MME Form 9
Rev. Nov. 65

UNITED STATES
DEPARTMENT OF THE INTERIOR
Geological Survey

OFFICIAL DOCKET FILE

Contract No. _____ Docket No. 6593

Application
- [ ] Denied
- [x] Withdrawn

Contract
- [ ] Terminated - Not Certified
- [ ] Terminated - Certified
- [ ] Cancelled
- [ ] Royalty Agreement

The records contained in this file are marked (x) and arranged in this order:

Folder No. 1:

**Left Side**

- [ ] Royalty Audits
- [ ] Certification of Discovery
- [ ] Closing Letter
- [ ] Cost Audits
- [ ] Termination Notice or Agreement
- [ ] Recision Notice
- [ ] Assignment of Contract
- [ ] Contract Amendments
- [ ] Contract with all exhibits and annexes
- [ ] Owner's Consent to Lien and Subordination Agreement
- [x] Application and Attachments

**Right Side**

- [ ] Project Summary (final)
- [ ] Work Completed Analysis (final)
- All other material filed in chronological order including the following reports if checked:
- [ ] Field Team Semiannual Report for Certified Project
- [ ] Final Field Team Report (Tab)
- [ ] Operator's Final Report (Tab)
- [ ] Interim Field Team Reports
- [ ] Operator's monthly reports and all attachments
- [ ] On-site Exam. Report (Tab)
- [ ] Settlement Sheets
- [ ] Drill Logs

Additional Folders:

**Left Side**

Folders No. _____: Reports
- [ ] Analysis of Semiannual Inspection Reports
- [ ] Project Summary (Interim) by MME Engineers

**Right Side**

- [ ] Field Team Semiannual Report for Certified Project
- [ ] Field Team Interim Reports
- [ ] Operator's Monthly Reports with Transmittal, Narrative and Maps

Folders No. _____: Maps (Use pocket folder or envelope)

Folders No. _____: Settlement Sheets

Folders No. _____: Drill Logs

Folders No. _____: Royalty Material

72195-65

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION
GEOLOGICAL SURVEY
So. 157 Howard Street
Spokane, Washington 99204
January 26, 1967

OFFICIAL COPY
O. M. E.
RECEIVED
JAN 30 1967

Memorandum

To: Chief, Office of Minerals Exploration

From: Field Officer, Region I

Subject: Transmittal of two USBM reports relating to application of Alphie J. Cheff (Copper-Silver), Silver Creek Mine, Snohomish County, Washington

Enclosed are Thermo-Fax copies of two reports with maps just received from E. A. Magill, Bureau of Mines, Seattle, Washington. Apparently, the applicant has done little, if any, additional work since Schlagel's examination on October 9, 1956.

Of the five samples taken by Schlagel only one contained more than 0.10 percent copper. It was taken across 5 feet of dark, fine-grained rock that contained disseminated chalcopyrite, pyrite, and bornite; the assay was 0.01 ounce gold and 0.07 ounce silver per ton, and 1.28 percent copper. Silver values ranged from 0.07 to 0.83 ounce per ton and averaged 0.45 ounce per ton.

Schlagel mentions "a small rich pod of chalcopyrite and bornite in quartz can be seen along the (sic. east-west) fault." It is probable that the higher grade copper samples cited in the application came from this pod.

It is doubtful that an on-site inspection will result in any additional information. From the data in the enclosed reports, it is also doubtful if a discovery of a copper ore body having a value commensurate with the cost of the work proposed by the applicant will be made. If a report can be found in the R.F.C. files that supports the low grades and the generally narrow veins reported by Schlagel, it is recommended that the application be denied. As an alternative, perhaps a staged project starting with 300 feet of drifting along or parallel to the east-west fault with closely spaced long holes into the walls might be considered.

Please return the enclosed reports and maps for our files when they have served your purpose or if the application is referred to the field.

D. R. MacLaren

D. R. MacLaren

Enclosures

6-95 (Revised)
(April 1955)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

# REFERENCE SLIP

Return To Reg. I

| Route to: | Name | Room |
|---|---|---|
| 1. | | |
| 2. | | |
| 3. | MacLaran | |
| 4. | | |
| 5. | | |

For:

| | |
|---|---|
| ..... Action | ..... Record of ..... |
| ..... Approval | ..... Referring to ..... |
| ..... Comment | ..... Reply for signature of ..... |
| ..... Conference | ..... Rewriting |
| ..... Consideration | ..... See or call me |
| ..... Filing | ..... Signature |
| ..... Initials | ..... Suggestions |
| ..... Instructions | ..... Surname |
| ..... Investigation | ..... Your information |
| ..... Mailing | |
| ..... Note and return | |
| ..... Previous correspondence | |
| ..... Recommendation | |

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SPOKANE, WASH.

Remarks:

Here is the data on the Smith way apparently it was called the Double B at the time of the original claim. The first is out of an open file report the other is the regular claim.

From (Name) Mac Date 1/25/67

Division—Office—Address

Ext: Room:

U. S. GOVERNMENT PRINTING OFFICE: 1957—O-416832 869-682

## Smith-Way Prospect

The Smith-Way ~~property~~ prospect consists of a group of eight claims on the east side of Silver Creek (fig. 3). The property can be reached by going up the Silver Creek road 0.7 mile, thence, a trail leads eastward across Silver Creek and up Scott Mountain about 0.2 mile to a fork. The north fork is followed an additional 0.3 mile to the portal of a 70-foot adit on the Morning Glory claim. From there, a trail leads up the mountain 0.1 mile to the Gladys claim where a 105-foot and a 22-foot adit are located.

The portals of the three adits are located in a small intermittent stream channel which follows an east-west trending, sparsely mineralized, 0.2-foot-wide, vertical fault. All three adits (fig. 10) have been driven on this fault. The brownish-gray hornfels country rock adjacent to the fault is partially bleached, altered, stained with iron oxides, and contains sparsely disseminated pyrite and chalcopyrite.

In the Gladys adit there is a contact between dark, fine-grained hornfels to the south of the fault and brownish-gray hornfels to the north. Near the portal of the upper Gladys adit there is a small lens of chalcopyrite, bornite, and quartz, which lies in the fault. The lens has a width of 1.5 feet but appears to be very limited in length.

Other workings in the Smith-Way group include four adits on the Ione claim. Three are caved and the fourth could not be located.

References: 8, 90.

RECEIVED
JAN 26 1967
G.M.E.
SPOKANE, WASH.

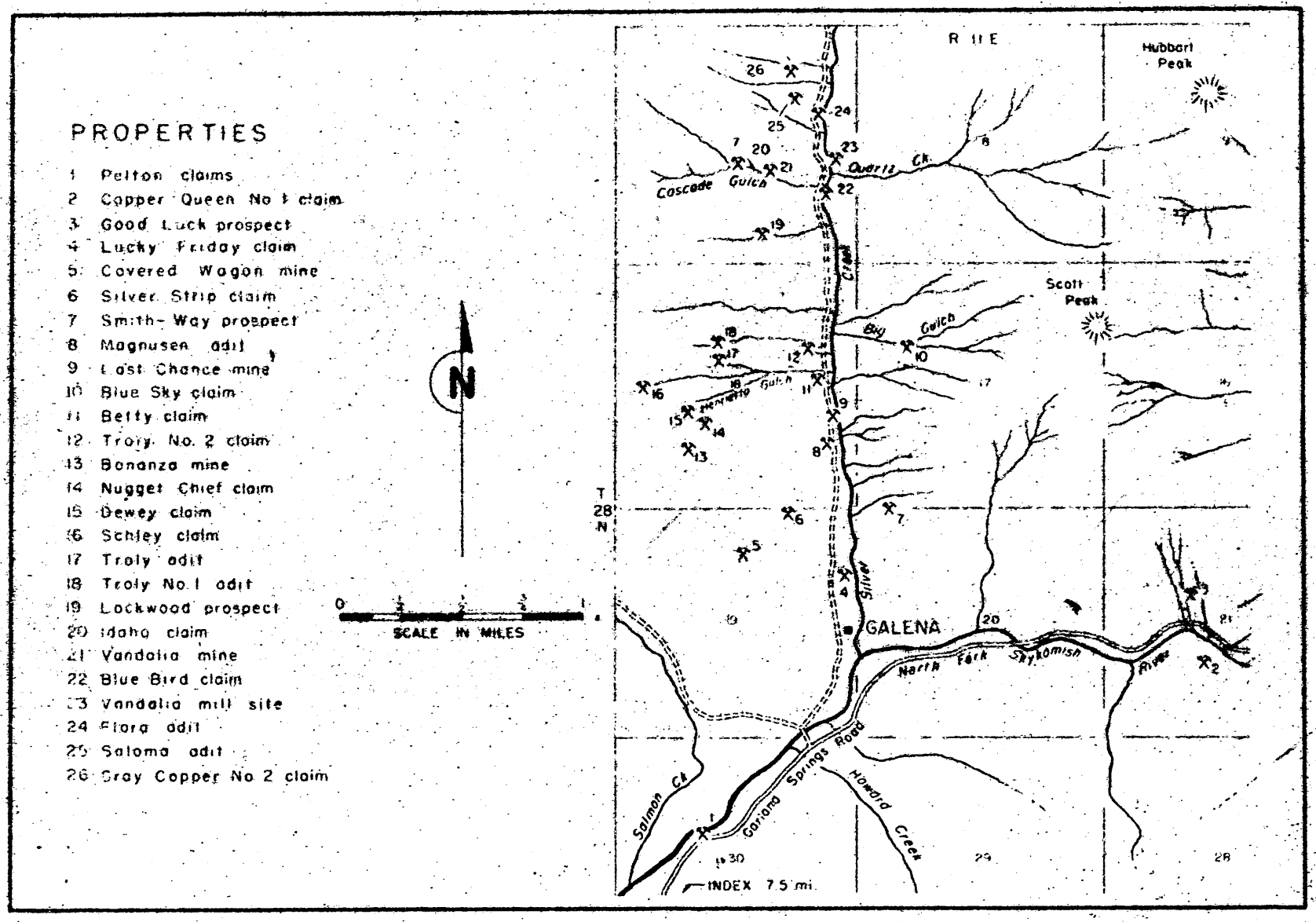
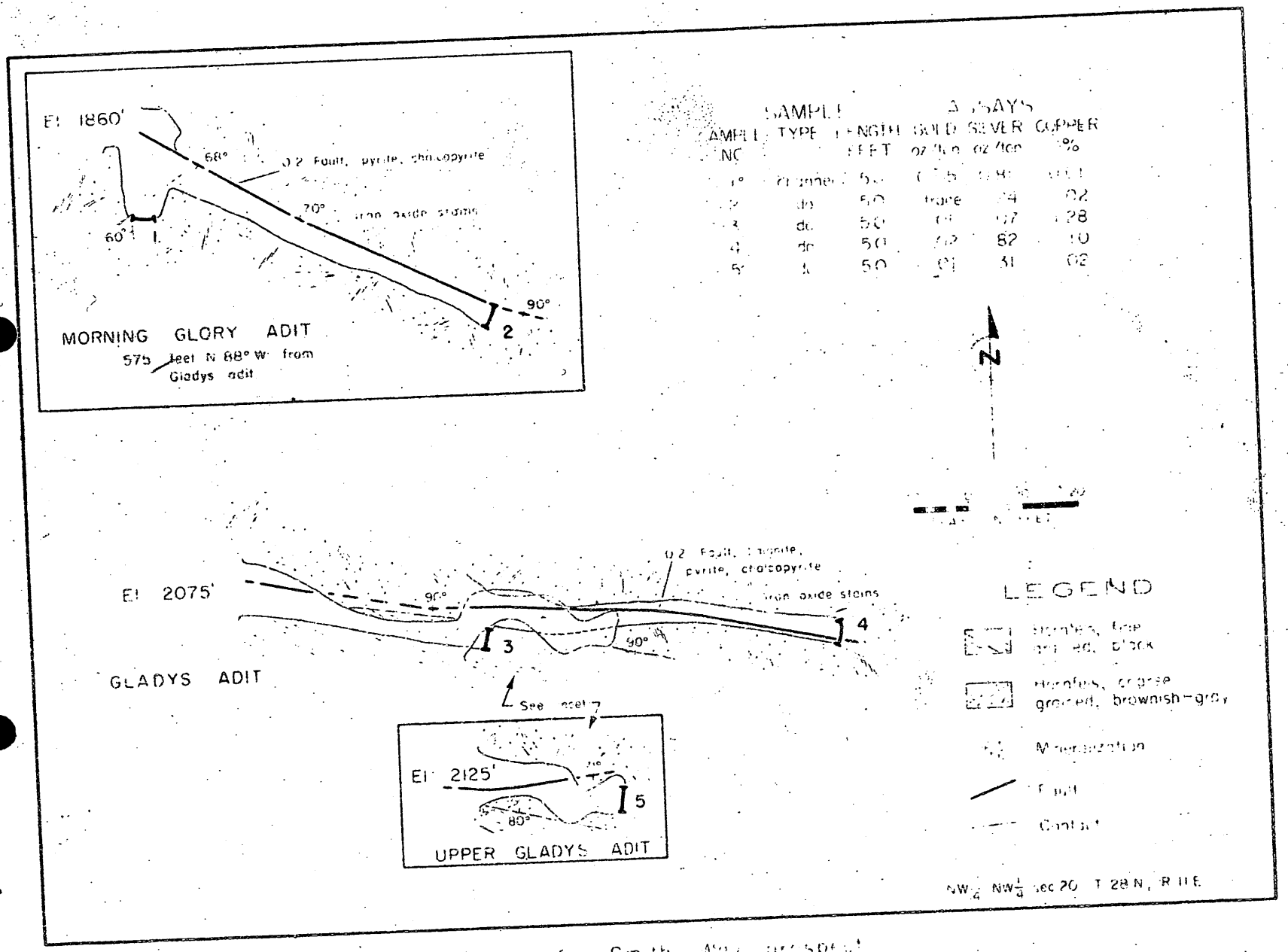



Figure 3 — Location map south portion Silver Creek area, Snohomish County Wash.




SAMPLES ASSAYS

| SAMPLE NO | TYPE | LENGTH FEET | GOLD oz/ton | SILVER oz/ton | COPPER % |
|---|---|---|---|---|---|
| 1* | channel | 5.0 | [illegible] | [illegible] | [illegible] |
| 2 | do | 5.0 | trace | [illegible] | .02 |
| 3 | do | 5.0 | [illegible] | [illegible] | .28 |
| 4 | do | 5.0 | [illegible] | .82 | .10 |
| 5* | do | 5.0 | [illegible] | .31 | .02 |

Figure [illegible] Smith Alley prospect

Return to Reg I

Wing G. Agnew, Chief, Spokane Field Office — January 2, 1957

John Schlagel, Mining Engineer

Preliminary Examination - Double B Mining Claims, Snohomish County, Washington

## INTRODUCTION

The Double B Mining Claims were examined on October 9, 1956 in company with Raymond C. Wells, one of the owners, and O. W. Esch, USBM, in connection with the "Investigation of Cascade Mountains Copper Deposits".

Three adits were mapped and samples taken, which covered all the important aspects of the property as claimed by the owner.

## LOCATION AND ACCESS

The Double B Mining Claims are located in the NW¼ sec. 20, T. 28 N., R. 11 E., W.M., Snohomish County, Wash.

The nearest town is Index, Wash., a switching point on the Great Northern Railroad, 71 miles from Seattle, Wash., and 103 miles from the AS & R Smelter at Tacoma, Wash. Index is one mile north of All Weather, U. S. Highway #2 by paved highway.

Access to the property from Index, Wash. is 8 miles northeast on the Garland Springs Road, thence north, crossing a bridge over the North Fork of the Skykomish River and following the Mineral City Road up the left bank of Silver Creek 0.9 miles to the old sawmill site on east side of road. This site has been bulldozed clear, leaving only a large sawdust pile on the mountain side. Follow a trail down the sawdust pile then cross Silver Creek on a foot-bridge and continue on one switchback trail up the mountain about one mile to where the location notice may be seen alongside of the trail. From here a well marked trail leads to the adits which are located in the same small stream bed at the respective elevations of 1,860', 2,075', and 2,125'.

## HISTORY AND PRODUCTION

The three adits on the Double B Mining Claim are believed to have been driven about 1900. These adits are reported as having belonged to a man who lived in the old deserted mining town of Galena. Following this man's death several years ago the claims were abandoned and then relocated in May 1956 by the present owners.

There is no known production.

## PROPERTY AND OWNERSHIP

The Double B Mine Prospects consist of 8 unpatented lode claims owned by William G. Haring and Raymond C. Wells, 223 E. Hazel Street, Mt. Vernon, Wash. The property was not under lease or option at the time of examination.

## DESCRIPTION OF THE DEPOSITS

The workings on the Double B Mining Claims are located along a fault zone, which strikes between N. 60° W. and N. 80° W. and lies nearly vertical. Its width varies from 1' to 20'. On the north side of the fault the country rock is composed of a light-colored siliceous rock and on the south side it is a dark, fine-grained siliceous rock. Sparse disseminated chalcopyrite can be seen in the fault zone with chalcopyrite and pyrite occurring as small stringers in the adjacent dark, fine-grained siliceous rock to the south.

The three adits on the property are located in a small stream bed which has incised itself along the mineralized fault. The lower adit, elevation 1,660', has been driven 70 feet along this fault. A veinlet of chalcopyrite averaging 2 inches in width follows the fault. Both walls are highly siliceous showing sparse disseminated chalcopyrite. Near the portal a 13-foot crosscut has been driven on a fault which strikes north-south and dips 60° west. The north-south fault has four inches of gouge with no metallization. For a distance of 10 feet to the east of this north-south fault the ground is banded and brecciated. This 10-foot area shows very sparse mineralization, a 5-foot sample across the face of the crosscut gave only *0.01% Cu, 0.05 oz/ton Au, and 0.31 oz/ton Ag. Several tight joints occur along the 70-foot adit.

In the lower adit a 2-inch veinlet of sulfides represents the main mineralization. A 5-foot sample cut across the face of the adit gave 0.02% Cu, trace Au, and 0.24 oz/ton Ag.

The middle adit, elevation 2,075', is located about 300 feet east and 115 feet above the lower adit, this adit has been driven 105 feet along the fault. The first 40 feet is driven in dark, fine-grained siliceous rock on the south side of the fault, then after crosscutting the fault for 10 feet the adit continues another 65 feet along the north side of the fault through highly fractured light-colored siliceous rock. A veinlet of pyrite and chalcopyrite averaging 2 inches in width runs parallel to the plane of the fault at a distance of 2 to 4 feet north from the fault. The light-colored

*Analysis by USBM, Albany, Oreg.

siliceous rock to the north of the fault has very sparse mineralization as indicated by a 5-foot sample [illegible]-5 across the face of the adit which gave 0.10% Cu, 0.02 oz/ton Au, and 0.82 oz/ton Ag. Several malachite stains can be seen in the adit about 60 feet from the portal. The dark, fine-grained rock to the south of the fault shows disseminated chalcopyrite, pyrite, and bornite. A 5-foot sample of the dark, siliceous rock was taken at a point 40 feet from the portal where the adit crosscuts the fault. This sample gave *1.20% Cu, 0.01 oz/ton Au, 0.07 oz/ton Ag. Spectrographic analysis on this sample is as follows:

| Over 10% | 5% to 10% | 1% to 5% | 0.1% to 1% | 0.01% to 0.1% |
|---|---|---|---|---|
| Iron | Aluminum | Copper | Barium | Boron |
| Silica | | Magnesium | Calcium | Cobalt |
| | | | Manganese | Chromium |
| | | | Sodium | Nickel |
| | | | Lead | Vanadium |
| | | | Titanium | Zircon |

0.001% to 0.01%

Silver
Bismuth
Molybdenum

Not detected

Arsenic, gold, beryllium, cadmium, gallium, germanium, indium, lithium, columbium, phosphorus, palladium, platinum, antimony, tin, strontium, tantalum, tellurium, tungsten, and zinc.

The upper adit, elevation 2,125 feet, is located 40 feet east and 50 feet above the middle adit. This 22-foot adit was driven in the light-colored, siliceous rock on the north side of the fault. This first 13 feet of the adit follows a 2-inch vein of copper and iron sulfides, the remaining 9 feet cuts back to the fault where the dark, fine-grained siliceous rock containing chalcopyrite and bornite is seen, then leads back out into the light-colored siliceous rock. The light-colored siliceous rock shows very sparse disseminated chalcopyrite. A sample *OTE-5 which was cut across the face of the adit gave 0.02% Cu, 0.01 oz/ton Au, and 0.31 oz/ton Ag. Four feet to the south of the portal along the fault there is a small rich pod a half foot in width and 2 to 4 feet in length of chalcopyrite and bornite in quartz. Almost pure samples of chalcopyrite can be taken here but since there was little indicated tonnage no samples were taken.

*Analysis by USBM, Albany, Oreg.

Insufficient development work has been done to make an estimate of ore reserves.

All adits were checked by mineral light and Geiger counter with no results.

## OWNERS' PLANS

The owners hope to develop the property to the point where there would be sufficient tonnage to interest some mining company.

## CONCLUSIONS

The Double B deposit is in an east-west fault zone which was traced 400' up the mountain side and can be assumed to be of greater length, the light-colored siliceous rock to the north of the fault has very sparse disseminated copper. Three 5-foot samples of this rock taken from the three adits averaged 0.05% Cu, 0.01 oz/ton Au, and 0.46 oz/ton Ag. The brecciated zone in the lower adit also has very sparse disseminated copper, a 5-foot chip sample gave <0.01% Cu, 0.05 oz/ton Au, and 0.81 oz/ton Ag. The dark, fine-grained siliceous rock to the south of the fault has disseminated chalcopyrite, bornite, and pyrite. A 5-foot sample taken from the dark siliceous rock in the middle adit gave 1.26% Cu, 0.01 oz/ton Au, and 0.07 oz/ton Ag. In the upper adit about 50 feet directly above the place where the sample was taken in the middle adit a small rich pod of chalcopyrite and bornite in quartz can be seen along the fault. All three adits show a veinlet of chalcopyrite and pyrite averaging 2 inches in width and in a plane parallel to the fault.

On the basis of five samples the best mineralization occurs in the black, fine-grained siliceous rock to the south of the fault. In the middle adit disseminated chalcopyrite, pyrite and bornite can be seen in this rock along the fault for a distance of 40 feet. In the upper adit, 50 feet above, the same mineralized dark siliceous rock is seen to the south of the fault near the portal and in the adit at a point 13 feet from the portal. The dark, siliceous rock was not seen in the lower adit. The width of the mineralized dark, siliceous rock is undetermined.

Mineral content is speculative since only one 5-foot sample was cut across the dark, siliceous rock, but it is felt that further sampling along the exposed surfaces would give better than 0.50% copper although the average of the sample would not be as high as the 1.26% obtained in the single sample.

Further exploration work could be undertaken by drifting or drilling in the dark, fine-grained siliceous rock along the south side of the high zone with the hope of uncovering a rich pod of copper, thus the possibility of eventually proving a significant tonnage of low-grade material.

No further work by the Bureau of Mines is recommended at this time.

John Schlagel

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION
GEOLOGICAL SURVEY
So. 157 Howard Street
Spokane, Washington 99204
January 25, 1967

OFFICIAL
COPY
O. M. E.
RECEIVED
JAN 30 1967

Memorandum

To: Chief, Office of Minerals Exploration

From: Field Officer, Region I

Subject: Transmittal of Application for Assistance,
Alphie J. Cheff (Copper-Silver)
Silver Creek Mine
Snohomish County, Washington

Enclosed is a copy each of two applications for OME aid to explore for copper-silver ore in Snohomish County, Washington.

The first application was received August 9, 1966, but was returned to the applicant for reasons recounted in our covering letter of August 12, 1966. The second application was received January 19, 1967, with most of the points raised in our letter clarified, at least partially.

Although many of the statements made in the first application are repeated in the second one, copies of both are included to cover those points not repeated. For your convenience, all the material first received has been stapled together as has that accompanying the second one. As none of the material, accompanying the first application, except the MME Form 40, was received in duplicate, kindly return it if the application is referred to the field. Also, please return the two-sheet map which accompanies the second application as that also was not submitted in duplicate.

Still missing are copies of letters the applicant has written to the banks although the banks' replies are included. Our letter to the applicant specifically pointed out that this requirement could not be waived. Also, our request relative to how he proposes to finance his share of the cost is still not too clear, but apparently he has an idea he can do so by shipping ore. The requested drilling bids have not been submitted.

I doubt that we can obtain a better map, and all the other points we raised are probably answered as well as we can expect. However, it should be noted that the applicant expects to find ore because "the area is excessively mineralized," but he presents only two assay reports showing respectively 0.08 ounce gold and 14.3 ounces silver

? widths

per ton and 10.8 percent copper; and 0.03 ounce gold and 8.17 ounces silver per ton and 9.5 percent copper. At $0.36 a pound for copper and $1.29 an ounce for silver, there should be about 5 ounces silver per ton for each percent of copper in order that the silver would make up 50 percent of the dollar value. Therefore, on the basis of present information, there appears to be no justification for considering this as a 75 percent Government participation project.

I note that the Location Notices were made out as of August 1961 but were not recorded until May 10, 1966. Locations should be filed within 90 days but may be filed at any later date providing no other locator has recorded locations on the same ground during the interval. I suppose the applicant's statement, relative to his rights to the land, made on pages 1 and 2 of the narrative accompanying the first application can be accepted as indicating that his filing is valid.

Apparently, a war production loan application was made in 1941 or 1942 to the Reconstruction Finance Corporation as there are no reports of such an examination in the Survey files nor in the Bureau of Mines files in either the Spokane or the Seattle offices. If there is such a report in the R.F.C. morgue, it might be very helpful with respect to maps and assays if it could be retrieved. At one time these claims were also known as the Smith and Way Groups.

The labor costs are based on union rates. As the applicant is a construction contractor, he may have a regular group from which his labor will be drawn, but I believe he is counting on a slightly larger staff than has ordinarily been considered as necessary for an exploration project. At most two miners and a helper-trammer operator should suffice at the face; one mechanic-shop man should be able to keep the compressor running, repair mining equipment, and help the trammer operator on the surface; one engineer-geologist-supervisor should be able to direct the work, map and sample the workings, and "run errands." This can be discussed during the examination if one is requested.

Regarding the project, I am wondering if diamond drilling from the surface to determine if the surface showings continue at depth might be more feasible than to start right off with a crosscut some 1,000 feet long. The terrain in this area is rugged with steep heavily timbered slopes which may support the applicant's suggestion that drilling from the surface is impractical. However, it might be feasible to drill 3 or 4 flat holes from the road. This would require "pumping" the wire-line core barrel down the hole and would make the drilling more costly than for an angle hole. Also, if the

drilling showed ore at or near the horizon of the crosscut, the latter would have to be driven anyhow. I would appreciate your comments on this approach before suggesting it to the applicant.

D. R. MacLaren

Enclosures

OME Form 40
Jan. 65

RECEIVED
JAN 19 1967
O.M.E.

Supplemental Application

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION

Budget Bureau No. 42-R1368
Approval expires Dec. 31, 1968

OFFICIAL COPY
RECEIVED
JAN 30 1967

# APPLICATION FOR FINANCIAL ASSISTANCE IN MINERALS EXPLORATION

Pursuant to Public Law 85–701 (72 Stat. 700; 30 U.S.C. 641)

NAME OF APPLICANT *(Full legal name and mailing address as they should appear on contract if one is executed.)*

Alphie J Oleff
2700 So 133rd St
Seattle Wash. 98168

APPLICANT DO NOT USE THIS BLOCK

DOCKET NUMBER: 6593

DATE RECEIVED: 1-30-67

REGION: 1

DIVISION CODE:

BUSINESS ORGANIZATION *(Check one)*

- INDIVIDUAL ☐
- CORPORATION ☐
- PARTNERSHIP ☐
- OTHER *(Specify)* ☐

STATE IN WHICH FIRM IS ORGANIZED

LIST CORPORATE OFFICERS OR PARTNERS HERE, IF APPLICABLE

| NAME | ADDRESS | TITLE |
|---|---|---|
| Alphie J Oleff | 2700 So 133rd St Seattle Wash. Phone Ch. 3-8024 | Sole Owner |

MINERAL(S) FOR WHICH YOU WISH TO EXPLORE: Copper Silver Gold

ESTIMATED COST OF PROJECT: $ 200,000.00

PROPERTY NAME: Silver Creek Mines

LOCATION COUNTY: Snohomish

STATE: Wash.

## GENERAL INSTRUCTIONS

Before filling out this application, please read the *OME Regulations for Obtaining Federal Assistance in Financing Explorations for Mineral Reserves* (30 CFR Chap. III). To assure prompt action, your application must provide all applicable material and information specified on the back of this application form. Avoid unnecessary correspondence and delays by submitting complete and accurate information. *Please submit two copies of this application and all accompanying papers* except as otherwise noted. Place your name and address on each sheet. Each item of information, maps, and reports required as a part of this application is described on the back of this form. Identify each attached statement by the item number to which it applies. If an item does not apply to your application, show the item number on your statement and after it write "not applicable." Maps or sketches should be used to supplement narrative descriptions of the property location and boundaries in item 2, existing mine workings and geology in item 3, and the proposed exploration work in item 5. When this information is not too complex, all of it may be shown on one map or sketch. All documents and other attachments submitted as a part of this application, except those in item 3(g) which you mark to be returned, become the property of the Government and will not be returned to the applicant. Send true copies, *not originals*, of leases, contracts, and other documents which are an essential part of your business records. *File this application with the Office of Minerals Exploration, Department of the Interior, Washington 25, D. C., or with the nearest OME Field Office.*

## 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, and that he would not ordinarily undertake the proposed exploration under current conditions and circumstances at his sole expense.

Jan 12-66.
DATED

A. J. Oleff
BY *(Signature)*
Owner
TITLE
Developer

A wilfully false statement or certification to any Department or Agency of the United States Government is a criminal offense. U. S. Code, Title 18, Sec. 1001.

# INFORMATION REQUIRED WITH THIS APPLICATION

## 1. Financial Eligibility:

(a) Submit evidence of efforts made within 90 days preceding the filing of this application to obtain credit from your bank of account and at least one other banking institution or other private source of credit. Such evidence shall include true copies of correspondence which show: (1) date of loan request, (2) amount and terms requested, (3) proposed use of loan funds, and (4) the replies from credit sources. If the loan was offered under terms which you consider unreasonable, state why you consider them so.

(b) List names and addresses of affiliated, parent, or controlling companies or organizations and state extent and nature of their interest.

(c) State how you propose to furnish your share of the cost of the exploration work.

## 2. Applicant's Rights in Land:

(a) State your interest in the land and mineral rights, whether owner, lessee, purchaser under contract, or other. If you are not the owner, submit one true copy of the lease, contract, or other document (with address of owner) under which you control the property. Describe all liens, mortgages, or other encumbrances on the land and state book and page number and official place where recorded.

(b) State the legal description (section, township, and range; metes and bounds; patent number of claims) of the land upon which you wish to explore and all adjacent land which you own or control. Describe any part of the land or workings which should not be subject to Government royalty and liens. If the land consists of unpatented claims, state book and page number for each recorded location notice, including amended locations, and official place where recorded. State all the names by which you know the property.

(c) For all land or mineral rights encumbered or not owned, submit five copies of Lien and Subordination Agreements on MME Form 52. If the agreements cannot be obtained, state reasons and provide copies of letters of refusal.

## 3. Physical Description:

(a) Describe in detail and illustrate with maps or sketches all mining or exploration operations which you know have been or are being conducted upon the land. Include existing mine workings and all production facilities.

(b) State your interest, if any, in operations described in (a).

(c) State, if you know, the past and current production, supporting your statement with copies of settlement sheets, mine records, or published data if available.

(d) Describe known ore reserves, giving quantities and grades and sampling methods used. Support your statement with copies of assay certificates and assay maps if available.

(e) Describe by narrative and maps or sketches the geologic features of the property, including ore minerals, geologic formations if known, and type of deposit (vein, bedded, etc.).

(f) State your reasons for expecting to find ore, and if you have sampled the area you propose to explore, show where the samples were taken, describe sampling methods used, and provide copies of assay certificates.

(g) Send with your application at least *two* copies of all geologic or engineering reports, assay maps, or technologic information which you have, indicating whether you require their return.

## 4. Accessibility of Property:

(a) To aid the OME representative who may examine the property, state name and address of person who will meet him; give directions for reaching the property; and describe accessibility of property and of any mine workings.

(b) Name the shipping and supply points and state the distances to the property.

## 5. Exploration Work:

(a) Describe fully the proposed exploration work giving individual footages and sizes of openings *for each item of work.* Use narrative, maps, plans, and sections as necessary. Show location of the proposed work as related to geologic features such as veins, ore-bearing beds, contacts of rock formations, etc. Show also the relation of the proposed work to any existing mine workings and to *land boundaries* or to the closest identifiable corner.

(b) If an access road must be built, show the proposed location on the property map and state the length, type and construction methods proposed.

(c) If an OME contract is executed, state how soon thereafter work would be started and finished. State your anticipated average daily or monthly rate of progress for each type of work.

## 6. Experience:

State your operating experience and background to conduct this exploration work and also that of the person who will supervise the work.

## 7. Estimate of Costs:

Furnish detailed estimates of the necessary costs *for each item of the work proposed in 5(a)* under the headings listed below with a total for each heading and the estimated total cost of the work. Costs for any work to be performed by an independent contractor should be listed separately under category (a) below. Costs for any work that is not to be performed by an independent contractor should be listed under categories (b) through (g).

(a) Independent contracts. State the total cost of any proposed independent contract for all or any part of the work, and the number of units and the unit cost for each type of work, such as per foot of drilling, per foot of drifting, per hour of bulldozer operations, or per cubic yard of material moved. Cost estimates should be supported by bids from three contractors if possible. (*Note*—If none of the work is to be contracted, write "none" after this item.)

(b) Personal services. The cost of supervision, engineering and geological services, outside consultants, and labor should be itemized by numbers and classes of employees; rates of wages, salaries or fees; and periods of employment. State whether these services are available.

(c) Operating materials and supplies. List items of material and supplies giving quantity and cost of each. Include under this heading power, water, and fuel, and units of equipment and tools costing less than $50 each.

(d) Operating equipment. List items of equipment and tools costing $50 or more per unit. Give specifications and indicate how each item is to be acquired—i.e., rented, purchased or provided by the applicant. If rented or purchased, state the estimated rental or purchase price. If furnished by the applicant, state condition and present fair market value.

(e) Initial rehabilitation and repairs. Describe the type and the cost of *initial* rehabilitation or repair of existing buildings, fixtures, installations (exclusive of mine workings), and movable operating equipment now owned by the applicant which will be used in the exploration work.

(f) New buildings, fixtures, installations. Describe each building, fixed improvement, and installation to be purchased, constructed, or installed for the exploration work, stating specifications and cost including labor, materials, and supervision.

(g) Miscellaneous. Describe the type and estimate the cost of repairs and maintenance of the operating equipment listed in 7(d). Do not repeat initial repairs listed in 7(e). Show also the costs of analytical work, accounting, workmen's compensation and employees' liability insurance, payroll taxes, and other required costs that do not fall within the previous categories. [*Note*—The Government will not contribute to costs incurred before the date of the contract, or to costs of or incident to: (1) acquiring, using, or possessing land and any existing improvements, facilities, buildings, installations, and appurtenances, or the depreciation and depletion thereof; (2) general overhead, corporate management, interest and taxes (other than payroll and sales taxes); (3) insurance (other than employees' liability insurance); and (4) damages to persons or property (other than authorized repair to or replacement of equipment or other property used in the work).]

-DUP. SEC., WASH., D.C

# SEATTLE-FIRST NATIONAL BANK

ESTABLISHED 1870

SEATTLE, WASHINGTON 98124

WESLEY V. OGG
Vice President

August 10, 1966

Mr. A. J. Cheff
10054 West Marginal Way
Seattle 88, Washington

Dear Mr. Cheff:

This is to advise you that we are unable to consider a loan for mining development such as you propose.

We are not in a position at this time to provide money for the type of development that you are considering which, as we see it, would be primarily of a capital nature.

Very truly yours,

Wesley V. Ogg
Vice President

WVO/w

The National Bank of Commerce of Seattle

2265 FIRST AVENUE SOUTH
MAin 2-0101

*First South-Stacy Branch*....P. O. BOX 3646, SEATTLE, WASHINGTON 98124

January 11, 1967

Mr. A. J. Cheff
10054 West Marginal Way
Seattle, Washington 98188

Dear Mr. Cheff:

Thank you for discussing the possibility of a loan of approximately $100,000 for the development of mining properties.

This bank is not able to consider such a loan at this time due to the general speculative nature of the loan and the continuing relative tightness of loan funds.

Sincerely yours,

James B. Hathaway
Assistant Manager

JBH/jj

PHONE LANDER 7554

RES. GARFIELD 3219

Supplemental Letter to Original Application and Letter.

A. J. CHEFF CONSTRUCTION CO.
GENERAL CONTRACTORS
10054 WEST MARGINAL WAY
SEATTLE 88, WASHINGTON

U S Dept of Interior
Office of Mineral Exploration.
Mr D.R. Mac Laren C.M.E

Jan 11-66

I enclose supplemental information to your letter dated Aug 12-66 in respect to my application for financial assistance for Silver and Copper exploration in Snohomish County Washington.

In the attached American Smelter assay the copper is considerably high. This sample was approximately 150 lbs. A metalurgical test on this one went 11.5% Cu. and other samples that are now lost were around 11% Cu. We are of the opinion that an exploration is a vital necessity. The Kennecott Copper Corp is now in the area and are planning extensive developement.

We submit letter from our bank refusing developement loan. We also enclose copies of Location Claim Notices as last filed with Snohomish County.

PHONE LANDER 7554 RES. GARFIELD 3219

A. J. CHEFF CONSTRUCTION CO.
GENERAL CONTRACTORS
10054 WEST MARGINAL WAY
SEATTLE 88, WASHINGTON

2

Item 1/c

The silver assay of the past has been quite constant with the accompanying assay. However we wish to make an exploration program on copper to do justice to the area and claims, due to the appearance of copper ore at quite a number of places. As indicated by assay report the ore analysis is sufficient for shipment. However no volume of ore is now explored to warrant mining and shipping. No evaluation can be made without a developement exploration program. A copper smelter exists only 80 miles from mining area with roads now, right on the property.

Item 3A We enclose an added map of the mining claims on an enlarged plan showing the deposits, and outcrops.

3B For the past 30 years we have opened, made cuts and pits, short tunnels and shafts, during assessment work. The Tacoma Smelter sample is a bulk sample.

PHONE LANDER 7554 RES. GARFIELD 3219

A. J. CHEFF CONSTRUCTION CO.
GENERAL CONTRACTORS
10054 WEST MARGINAL WAY
SEATTLE 88, WASHINGTON



3D. There has been no bulk smelter shipment from these claims. But there has been a very successful mine and mill in close proximity call the Index Mine on Front Creek where high grade ore was shipped to 1941 and was a going mine in 1917, before and after. There are no reserves on this property but needs extensive exploration.

3E The nature of deposits on these 8 claims show vein matter and gangue with silver content along with copper. The copper does blotch out in mass but has a vein of 4 ft wide X 11.5% Copper Value. The overburden being excessively thick with slide rock and coverings that the deposits can be properly explored by Tunnels in the very steep pitch of the mountain. There are a number of veins, but the gangue is too close to surface to contain the values of silver and copper. It is significient that the outcrops of copper are

P. O. Box 148 Telephone 273-8408

A. J. CHEFF CONSTRUCTION CO.
GENERAL CONTRACTORS
214 West Main Street - Grass Valley, California



enmass rather than vein and a significant dyke of copper ore is very possible. As I say we have an exposure of very massive copper chalcopyrite ore as reported in the Tacoma Smelter Assay about 4 to 5 ft Wide with the values as reported on this assay. This assay has been done repeatedly in the past 30 years, sometime assaying to 11.5 % Cu. We claim to one body is very impressive but there is not enough exploration to warrant any mining until more ore has been found. This is the first ore body we wish to explore, on the Morning Glory and Gladys Claims 3E. We should like to discover ore of the nature exposed, at depth and width below the existing exposures. Very good indications are, from a mining standpoint.

~~PHONE LANDER 7-554~~
Ch 3 8024

RES. GARFIELD 3219

A. J. CHEFF CONSTRUCTION CO.
GENERAL CONTRACTORS
10054 WEST MARGINAL WAY
SEATTLE 88, WASHINGTON



3F.

The very specific reasons for expecting to find ore is that the area is excessively mineralized. There has been producing mines in the area, and they have not been mined out. The rock is a pre cambrian rock, old rocks, that usually are mineralized, shists, granites, quartz, porphry, gniess, and country rocks. There is a small amount of basalt capping which is above the old rocks. The new forest road going across the claims has cut a few mineralized veins ~~and~~ overburden and surface crust. They assay in silver and gold but not commercial content. A few miles to the west is the Monte Cristo area which has not been mined since 1895. There is vital indications in this area for copper discoverys with very commercial values. But explorations must be done. The individual cannot stand too much of it without government help. The copper ore exposure on the Gladys and Morning Glory claims

PHONE LANDER 7554 RES. GARFIELD 3219

A. J. CHEFF CONSTRUCTION CO.
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SEATTLE 88, WASHINGTON



if found to be in continuity as a vein structure in the chalcopyrites as indicated can create a substantial mine, if properly explored. A vein structure in silver exists.

An enlarged map is here attached.

Item 4A. 4B. Our phone number is ~~[illegible]~~ Cherry 3-8024 Area 206 Seattle Wash. Address A. J. Cheff 2700 So 133rd St. Seattle. We will meet you in Seattle and drive your O. Mo E Representative 80 miles on paved road to the mining site or we can meet you in the town of Index Washington at a small store ~~[illegible]~~ this small town. With a telephone call to set the meeting place and time.

Under Item 5A. Our proposal is to drive a 5 X 7 Tunnel into the steep hill from Forest Road on the Morning Glory Claim for an unspecified distance up to 1000 ft. This is far enough to reach the vertical area of the 11% Copper Ore discovered with a width of 4 to 5 ft. This contains a silver vein structure also.

PHONE LANDER 7554 RES. GARFIELD 3219

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The Tunnel would have 4 to 5 hundred feet of backs if the ore was penetrated at this distance. Two or three X cuts would be necessary if values should be encountered. Diamond drilling should be done from the interior. If the results of this exploration work is favorable If it is, in this particular area the ore body should be the same as above or better to 4 to 6 ft in width with the same pitch it has indicated near surface. We are presenting the anticipated amount of X cutting and diamond core drilling NX on the attached maps

Your letter, Second Paragraph Under Item 5A? If the work is favorable in the primary explorations and ore is discovered of substantial commercial value and volume, it is then necessary to explored the other areas of outcroppings from the developed X cut I believe. To unify

PHONE LANDER 7554 RES. GARFIELD 3219

A. J. CHEFF CONSTRUCTION CO.
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SEATTLE 88, WASHINGTON



the whole development into one mine and one haulage. And further to x cut veins which are indicated along the forest road. By drifting westerly it would be more economical I believe and more chance to cut mineral veins.

Item 5B No access road is required

Item 5C The starting date can be when we are assured with financial help to do this exploration. We have all the necessary mining equipment. And the mining orginaziop. The area is an all year work area with possibly a few days of bad weather. We would plan a 5 day week 8 hr shifts on 2 shift basis, if necessary.

Item #7 Your last 2 paragraphs of your letter. We think a 5-X7 is good enough but modern mining equipment is some what larger. Our cost estimate are essentially 5 X 7 costs and smaller bore means shorter rounds, which would reduce our average drill cycle to 5 ft instead 7 ft.

PHONE LANDER 7554 RES. GARFIELD 3219

A. J. CHEFF CONSTRUCTION CO.
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SEATTLE 88, WASHINGTON

9

We enclose supplemental information which I hope is enough to interest you for a visit.

We have a copper smelter in Tacoma. There is a 9,000,000 dollar expansion program at the smelter. The smelter people whom I have talked too are fond of this ore analysis, due to its high silica content. Our shipping costs can be quite low.

Under war production of 1942-43 our first application was a loan for developement from your office in Spokane whatever name it then was called. Your man made this visit and took considerable assays, in the various deposits and outcrops. These assays would now be of great help to you I am sure. Please try and find them.

Yours Truly

A J Cheff

RECEIVED
JAN 19 1967
O. M. E.
SPOKANE, WASH.

PHONE LANDER 7554

A. J. CHEFF CONSTRUCTION CO.
GENERAL CONTRACTORS
10054 WEST MARGINAL WAY
SEATTLE 88, WASHINGTON

№ 2339

DATE

Total Cost of Project per linial feet of Tunnel and Total Overall Cost;

The foregoing costs have been estimated on an overall hourly and footage basis in order to simplify bookkeeping and payment for work accomplished.

| | | | |
|---|---|---|---|
| 1# | Surface Exploration Mobilization | 44,500.00 = | 22 15/ per ft. |
| 2# | Tunnel Labor Costs | 99,176.00 = | 49 59/ per ft. |
| 3# | Materials Maintainence Repairs | 39400.00 = | 19 70/ per ft. |
| 4# | Equipment Rentals = | 38784.00 = | 29 40/ per ft. |
| | Total Costs = | 221,860.00 | 120 94/ per ft. |

CREDIT MEMO

Estimator
A. J. Cheff

~~PHONE LANDER 7554~~

Phone Ch-3-8024

# A. J. CHEFF CONSTRUCTION CO.

GENERAL CONTRACTORS
10054 WEST MARGINAL WAY
SEATTLE 88, WASHINGTON

№ 2334

DATE

1.

Revised and Added Breakdown - Exploratory Costs.
Silver Creek Mining Claims.

Mobilization Freighting of Mining Equipment & Materials for Period of Construction Costs 5,000.00

Plant Construction, Layout Facilities etc 7,500.00

Surveying Assaying Engineering. 24 Mo. = 10,000.00

Supervision, of Complete Work. 24 Mo. = 12,000.00
500.00 per month.

Bull Dozing, Trenching, Cutting Clearing, Pitt and open-pitte exploration of surface area.
500 dozer hours, minimum at 20.00 = 10,000.00

Total. 44,500.00

Mobilization, plant setup, Engineering
Surface Exploration - Surveys } =

44,500.00 ÷ X 2000 Lin ft = 22.25 per Tunnel Lin ft.

CREDIT MEMO

PHONE LANDER 7554

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GENERAL CONTRACTORS
10054 WEST MARGINAL WAY
SEATTLE 88, WASHINGTON

№ 2335

2

DATE

Tunnel Exploratory Costs

Tunnel Labor and Operating Costs.

Drift on veins, cross cuts, diamond drill blockout Exploration raises & ventilation Raises Total 2000 Li ft. Operating 5 day week, Advance 5 ft per day, or per shift. = 400 Work Shifts plus 10% contingency = 440 shifts. Labor Breakdown = 1 Compressor-Mechanic Shop Man at 3.50 per hr. 1 Mucking Machine Operator & Miner at 3.50 per hr. 2 Miners at 3.50 per hr. 1 Tunnel & Track Laborer at 3.00 hr. 1 Motorman & miner & dumpman. Truck Driver at 3.50 hr 1 Foreman & Utility Powder man. at 4.00 hr.

Total = 196.00 per shift.

Labor Insurance, Workmen Compensation 15% = 29.40 per Shift.

440 Shifts at 225.40 per Shift 225.40 per Shift Labor Cost

=

440 Shifts at 225.40 per day = 99,176.00

CREDIT MEMO

Total Labor Cost in Tunnel Exploration

99,176.00 ÷ x 2000 ft = 49.59 per Tunnel Li ft.

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A. J. CHEFF CONSTRUCTION CO.
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SEATTLE 88, WASHINGTON

№ 2336

3

DATE

Breakdown of Materials Supplies Repairs Fuels, Power, Maintainances Timber Lumber Drill Supplies Explosives

Explosives 5 lb per Ton of excavation, 4 Ton per ft. =
= 20 lb per ft at 30¢ per lb = 6.00 per ft.
Detonators = 20% = 1.20 per ft
Drill Bits ~~=~~ 25 Lineal ft of drilling per lin ft of Tunnel
at .06 ¢ per drill bit foot = 1.50 per ft
Drill Rods and Drill Repairs = 1.50 per ft
Timber = 50 BM ft of Timbers & Lumber per Li ft of Tunnel
at 80.00 per MBM ft in 1/2 of Tunnel Construction = 2.00 per ft.
Compressor Supplies at 3.00 per ft 3.00 per ft.
General Maintainence & Parts = at 3.00 per ft.
Ventilation Electrical Lighting. = at 1.50 per ft.

Total Maintainence Repairs Materials = 19.70 per ft.
2000 Li ft Tunnel Exploration at 19.70 per ft
= 39,400.00

CREDIT MEMO

PHONE, LANDER 7554

4

A. J. CHEFF CONSTRUCTION CO.
GENERAL CONTRACTORS
10054 WEST MARGINAL WAY
SEATTLE 88, WASHINGTON

№ 2337

DATE

Breakdown of Necessary Equipment

| | |
|---|---|
| 1 - 600 Cu ft Compressor. = | 15,000.00 |
| 2 - Automatic Pneumatic Drills Jibs on Jumbo. | 11,000.00 |
| 1 Mine 24 gauge Locomotive - 2 Batteries. = | 10000.00 |
| 1 Charging Storage Battery Set, Switchpanel. = | 1500.00 |
| 1 - 75 KW Power Plant = | 7500.00 |
| 1 - Gas Driven Welder & Assessories. = | 1200.00 |
| 3 - Misc Transformers = | 1000.00 |
| 1 Misc Lot Electrical Switches & Gearing = | 1000.00 |
| 2000 ft 12" Ventilation Line. at 2.00 ft. = | 4000.00 |
| 1 Axial Ventilation Blower Elec Motor = | 1400.00 |
| 1 Eimco #24 Tunnel Mucking Machine. = | 5000.00 |
| 1 Out Side Loader & Car Dumper. = | 7500.00 |
| 4 Tunnel Mine Cars. 800.00 ea = | 3200.00 |
| 2 Tunnel Car Passers 600.00 ea = | 1200.00 |
| 4000 Lin ft Mine Rails at 1.00 per ft. = and assessories. | 4000.00 |
| | 74500.00 |

CREDIT MEMO

PHONE LANDER 7554

Also Part 4

A. J. CHEFF CONSTRUCTION CO.
GENERAL CONTRACTORS
10054 WEST MARGINAL WAY
SEATTLE 88, WASHINGTON

№ 2338

DATE

Breakdown Equipment

Carry over 74500.00

2000 Lin ft Air Lines 3 & 4" at 1.00 ft. = 2000.00

2000 L ft Water Lines at 50¢ ft = 1000.00

Air & Water fittings & hoses, = — — 1000.00

1000 track ties at 1.00 ea = 1000.00

1 - CP Diamond Drill New, 4000.00

drill rods all types = — — — 1000.00

1 - Flat Truck - 2 Ton — — — 3500.00

2 - Pickup Trucks 1500.00 ea = 3000.00

Stoper Drills Raise Drills, Jack Hammers = 2000.00

Misc Tools Shop Equipment etc, 3000.00

Total Equip = 97,000.00

Monthly Rental $\frac{97000}{60} = 1616.00 \times 24$ Month $= 38,784.00$

CREDIT MEMO

$38784.00 \div \times 2000$ ft $= 29.40$ per Lineal ft.

# J. M. Kniseley Engineering Company

PArkway 5-3939
24 hour Service
P.O. Box 3724 - Seattle 98124
5807 4th Ave. So. - Seattle 98108



STAFF MEMBERSHIPS

AMERICAN CHEMICAL SOCIETY AMERICAN INSTITUTE OF CHEMISTS INSTITUTE OF FOOD TECHNOLOGISTS MARINE CHEMISTS' ASS'N
AMERICAN WOOD PRESERVERS ASS'N AMERICAN INSTITUTE OF CHEMICAL ENGINEERS NATIONAL FIRE PROTECTION ASS'N
AMERICAN OIL CHEMISTS SOCIETY AMERICAN INSTITUTE OF MINING, METALLURGICAL & PETROLEUM ENGINEERS


Report No. 12648

January 13, 1967

Mr. A. J. Scheff
2700 - South 133rd
Seattle, Washington

Dear Sir:

We hereby certify that we have analyzed a sample of

ORE

submitted to us by you on January 11, 1967 and we have to report as follows:

Results:

Gold (Au) - - - - - - - - - - - - - - - - - 0.08 oz./ton

Silver (Ag) - - - - - - - - - - - - - - - - 14.3 oz./ton

Copper (Cu) - - - - - - - - - - - - - - - - 10.8 Percent

Respectfully submitted,

J. M. KNISELEY ENGINEERING CORPORATION

By: Ernest Street

ES/rp

North East Corner Gladys Claims.
The silver content is quite high. We should like this loon on the basis of silver.

AMERICAN SMELTING AND REFINING COMPANY

ASARCO

P.O. BOX 1605, TACOMA, WASHINGTON 98401

R. E. SHINKOSKEY
MANAGER

M. C. TEATS
ASSISTANT MANAGER

C. H. RANDT
GENERAL SUPERINTENDENT

BEN R. PETRIE
ACCOUNTING MANAGER

August 9, 1966

Mr. A. J. Cheff
2700 South 133rd Street
Seattle, Washington

Dear Sir:

As requested, enclosed is a copy of my letter of June 3, 1966, to you concerning your property near Index, Wash.

Yours very truly,

M. C. Teats

M. C. TEATS

MCT:S
Fu

Tacoma Smelter Assay
American Smelting & Refining Co.

June 3, 1966

Mr. A. J. Cheff
2700 South 133rd
Seattle, Washington

Dear Sir:

We have assayed the sample of ore from your property near Index, Washington, with the following results:

| Ounces/Ton | | Percent | | | | | |
|---|---|---|---|---|---|---|---|
| Au | Ag | Cu | As | $SiO_2$ | Fe | S | $Al_2O_3$ |
| 0.03 | 8.17 | 9.5 | 0.3 | 53.6 | 14.9 | 13.0 | 2.3 |

Ore with the above analysis would have sufficient value for shipment. I suggest as you proceed with your development work that you take a larger representative sample of the ore that can be mined in quantity for shipment so that we can make a proper treatment schedule and evaluation of the mine.

Very truly yours,

M. C. TEATS

MCT:S
Fu

PHONE LANDER 7554
RES. CARFIELD 3219

RECEIVED
AUG 9 1966
OMB

Ch 38024

A. J. CHEFF CONSTRUCTION CO.
GENERAL CONTRACTORS
10054 WEST MARGINAL WAY
SEATTLE 88, WASHINGTON

Aug 7-66

Office of Mineral Exploration

Enclosed is Application for financial assistance in Minerals Exploration, and attached information. Also costs of 1st Tunnel Exploration Program which approximate 157,954.00 The second Tunnel Program should cost about 65% of the original Tunnel.

On the basis of 1st Tunnel cost the per foot cost basis for 1000 lineal ft. plus 8 laterals and diamond drilling should be about $1,160.00 for labor cost. 10,000.00 for mobilization 60,000.00 for equipment and 56000.00 for materials & supplies and repair parts and fuels.

The basis of these costs are estimated below our contractual costs in general construction. The high costs of these times makes this exploration costs mount.

Yours Truly A. J. Cheff.

Copy 14 pp to R-I

MME Form 40
Jan. 65

RECEIVED

AUG 9 1966

Aug 9-66

Budget Bureau No. 42-R1368
Approval expires Dec. 31, 1968

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION

# APPLICATION FOR FINANCIAL ASSISTANCE IN MINERALS EXPLORATION

Pursuant to Public Law 85–701 (72 Stat. 700; 30 U.S.C. 641)

NAME OF APPLICANT *(Full legal name and mailing address as they should appear on contract if one is executed.)*

Alphie Joseph Cheff,
2700 So 133rd St,
Seattle Washington
98168

APPLICANT DO NOT USE THIS BLOCK

DOCKET NUMBER

DATE RECEIVED

REGION

DIVISION CODE

BUSINESS ORGANIZATION *(Check one)*

INDIVIDUAL [X]
CORPORATION [ ]
PARTNERSHIP [ ]
OTHER *(Specify)* [ ]

STATE IN WHICH FIRM IS ORGANIZED

LIST CORPORATE OFFICERS OR PARTNERS HERE, IF APPLICABLE

| NAME | ADDRESS | TITLE |
|---|---|---|
| Alphie J Cheff | 2700 So 133rd Seattle Wash | Owner and sole Developer. |

MINERAL(S) FOR WHICH YOU WISH TO EXPLORE: Copper Silver Gold.

ESTIMATED COST OF PROJECT: $ 200,000.00

PROPERTY NAME: Silver Creek Mines

LOCATION COUNTY: Snohomish County

STATE: Washington

## GENERAL INSTRUCTIONS

Before filling out this application, please read the *OME Regulations for Obtaining Federal Assistance in Financing Explorations for Mineral Reserves* (30 CFR Chap. III). To assure prompt action, your application must provide all applicable material and information specified on the back of this application form. Avoid unnecessary correspondence and delays by submitting complete and accurate information. *Please submit two copies of this application and all accompanying papers* except as otherwise noted. Place your name and address on each sheet. Each item of information, maps, and reports required as a part of this application is described on the back of this form. Identify each attached statement by the item number to which it applies. If an item does not apply to your application, show the item number on your statement and after it write "not applicable." Maps or sketches should be used to supplement narrative descriptions of the property location and boundaries in item 2, existing mine workings and geology in item 3, and the proposed exploration work in item 5. When this information is not too complex, all of it may be shown on one map or sketch. All documents and other attachments submitted as a part of this application, except those in item 3(g) which you mark to be returned, become the property of the Government and will not be returned to the applicant. Send true copies, *not originals*, of leases, contracts, and other documents which are an essential part of your business records. *File this application with the Office of Minerals Exploration, Department of the Interior, Washington 25, D. C., or with the nearest OME Field Office.*

## 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, and that he would not ordinarily undertake the proposed exploration under current conditions and circumstances at his sole expense.

Aug 7-66
DATED

A. J. Cheff
BY *(Signature)*

Owner.
TITLE

A wilfully false statement or certification to any Department or Agency of the United States Government is a criminal offense. U. S. Code, Title 18, Sec. 1001.

# INFORMATION REQUIRED WITH THIS APPLICATION

## 1. Financial Eligibility:

(a) Submit evidence of efforts made within 90 days preceding the filing of this application to obtain credit from your bank of account and at least one other banking institution or other private source of credit. Such evidence shall include true copies of correspondence which show: (1) date of loan request, (2) amount and terms requested, (3) proposed use of loan funds, and (4) the replies from credit sources. If the loan was offered under terms which you consider unreasonable, state why you consider them so.

(b) List names and addresses of affiliated, parent, or controlling companies or organizations and state extent and nature of their interest.

(c) State how you propose to furnish your share of the cost of the exploration work.

## 2. Applicant's Rights in Land:

(a) State your interest in the land and mineral rights, whether owner, lessee, purchaser under contract, or other. If you are not the owner, submit one true copy of the lease, contract, or other document (with address of owner) under which you control the property. Describe all liens, mortgages, or other encumbrances on the land and state book and page number and official place where recorded.

(b) State the legal description (section, township, and range; metes and bounds; patent number of claims) of the land upon which you wish to explore and all adjacent land which you own or control. Describe any part of the land or workings which should not be subject to Government royalty and liens. If the land consists of unpatented claims, state book and page number for each recorded location notice, including amended locations, and official place where recorded. State all the names by which you know the property.

(c) For all land or mineral rights encumbered or not owned, submit five copies of Lien and Subordination Agreements on MME Form 52. If the agreements cannot be obtained, state reasons and provide copies of letters of refusal.

## 3. Physical Description:

(a) Describe in detail and illustrate with maps or sketches all mining or exploration operations which you know have been or are being conducted upon the land. Include existing mine workings and all production facilities.

(b) State your interest, if any, in operations described in (a).

(c) State, if you know, the past and current production, supporting your statement with copies of settlement sheets, mine records, or published data if available.

(d) Describe known ore reserves, giving quantities and grades and sampling methods used. Support your statement with copies of assay certificates and assay maps if available.

(e) Describe by narrative and maps or sketches the geologic features of the property, including ore minerals, geologic formations if known, and type of deposit (vein, bedded, etc.).

(f) State your reasons for expecting to find ore, and if you have sampled the area you propose to explore, show where the samples were taken, describe sampling methods used, and provide copies of assay certificates.

(g) Send with your application at least *two* copies of all geologic or engineering reports, assay maps, or technologic information which you have, indicating whether you require their return.

## 4. Accessibility of Property:

(a) To aid the OME representative who may examine the property, state name and address of person who will meet him; give directions for reaching the property; and describe accessibility of property and of any mine workings.

(b) Name the shipping and supply points and state the distances to the property.

## 5. Exploration Work:

(a) Describe fully the proposed exploration work giving individual footages and sizes of openings *for each item of work.* Use narrative, maps, plans, and sections as necessary. Show location of the proposed work as related to geologic features such as veins, ore-bearing beds, contacts of rock formations, etc. Show also the relation of the proposed work to any existing mine workings and to *land boundaries* or to the closest identifiable corner.

(b) If an access road must be built, show the proposed location on the property map and state the length, type and construction methods proposed.

(c) If an OME contract is executed, state how soon thereafter work would be started and finished. State your anticipated average daily or monthly rate of progress for each type of work.

## 6. Experience:

State your operating experience and background to conduct this exploration work and also that of the person who will supervise the work.

## 7. Estimate of Costs:

Furnish detailed estimates of the necessary costs *for each item of the work proposed in 5(a)* under the headings listed below with a total for each heading and the estimated total cost of the work. Costs for any work to be performed by an independent contractor should be listed separately under category (a) below. Costs for any work that is not to be performed by an independent contractor should be listed under categories (b) through (g).

(a) Independent contracts. State the total cost of any proposed independent contract for all or any part of the work, and the number of units and the unit cost for each type of work, such as per foot of drilling, per foot of drifting, per hour of bulldozer operations, or per cubic yard of material moved. Cost estimates should be supported by bids from three contractors if possible. (*Note*—If none of the work is to be contracted, write "none" after this item.)

(b) Personal services. The cost of supervision, engineering and geological services, outside consultants, and labor should be itemized by numbers and classes of employees; rates of wages, salaries or fees; and periods of employment. State whether these services are available.

(c) Operating materials and supplies. List items of material and supplies giving quantity and cost of each. Include under this heading power, water, and fuel, and units of equipment and tools costing less than $50 each.

(d) Operating equipment. List items of equipment and tools costing $50 or more per unit. Give specifications and indicate how each item is to be acquired—i.e., rented, purchased or provided by the applicant. If rented or purchased, state the estimated rental or purchase price. If furnished by the applicant, state condition and present fair market value.

(e) Initial rehabilitation and repairs. Describe the type and the cost of *initial* rehabilitation or repair of existing buildings, fixtures, installations (exclusive of mine workings), and movable operating equipment now owned by the applicant which will be used in the exploration work.

(f) New buildings, fixtures, installations. Describe each building, fixed improvement, and installation to be purchased, constructed, or installed for the exploration work, stating specifications and cost including labor, materials, and supervision.

(g) Miscellaneous. Describe the type and estimate the cost of repairs and maintenance of the operating equipment listed in 7(d). Do not repeat initial repairs listed in 7(e). Show also the costs of analytical work, accounting, workmen's compensation and employees' liability insurance, payroll taxes, and other required costs that do not fall within the previous categories. [*Note*—The Government will not contribute to costs incurred before the date of the contract, or to costs of or incident to: (1) acquiring, using, or possessing land and any existing improvements, facilities, buildings, installations, and appurtenances, or the depreciation and depletion thereof; (2) general overhead, corporate management, interest and taxes (other than payroll and sales taxes); (3) insurance (other than employees' liability insurance); and (4) damages to persons or property (other than authorized repair to or replacement of equipment or other property used in the work).]

INT. PRIN. SEC., WASH., D.C

PHONE ~~LANDER 7554~~

RES. ~~GARFIELD 3218~~

Ch. 3-8024

A. J. CHEFF ~~CONSTRUCTION CO.~~
GENERAL CONTRACTOR
~~10054 WEST CARDINAL WAY~~
SEATTLE 88, WASHINGTON
2700 So 133rd St.

Aug 7-66

Dept of Interior
Office of Mineral Exploration

We are enclosing Application for Financial Assistance in Mineral Exploration MME Form 40

This property is located in Snohomish County in the Index Mining Area. It consists of 8 Claims in Quartz and One Placer on Silver Creek on the North Fork of the Skykomish River, in Section 17 - T 28 - R 11.

I have been concerned with this property since 1940. At that time I had it under lease and option from a Mr Smith who has had this property on the record books of Snohomish County since the 20s.

Since Mr. Smith has passed away I have refiled and recorded these claims in my own name A. J. Cheff.

PHONE LA~~NDER 7254~~

~~REG. CAMPBELL 3219~~
CH 3-8024.

A. J. CHEFF CONSTRUCTION CO.
GENERAL CONTRACTORS
10054 WEST MARGINAL WAY
SEATTLE 88, WASHINGTON



These Claims are now recorded on Snohomish County Recorder and Auditor and are rerecorded from old Survey #1268 by Mr. Smith and are essententally and exactly relocated both on the old locations and as recorded for so many years by Mr Smith and by recorded lease by myself with Mr Smith on Snohomish Records.

The legal description of these nine claims are attached to this letter of information.

In 1941 or 1942 when I first had this property under lease, in the beginning of World War 2, I made application to your minerals office in Spokane for a loan for mining of copper ore.

Your office made a visit to this property (of which you should have records of that

PHONE LANDER 7554 RES. GARFIELD 3219

A. J. CHEFF CONSTRUCTION CO.
GENERAL CONTRACTORS
10054 WEST MARGINAL WAY
SEATTLE 88, WASHINGTON



investigation in your old files. From that investigation you regarded this property as being in the exploration stage and also due to difficult access it could not meet requirements for substantial and immediate shipments of ores. Since then the Forest Service has built a new Forest and Mine Road across the property, now being a very economical transportation and access, with paved roads as near as 1½ miles and good graded wide road within easy access for ore exploration and developement.

Copper Silver & gold ore showings are chalcopyrite and boronite and show in very substantial mass, at places. The area has had a good producer of copper boronites and chalcopyrites known as the

Sun Rise Mine or Index Mine at the time of the first World War. The Monte Cristo Mining Area lies to the west, but roads are needed.

The Index mine had a 14ft stope of boronite ores in which this mine prospered until it was flooded by breaking surface drainage into the mine. The Howe Sound Mine is over the Range to the east from this area.

These claims need an exploration program now that the roads are in. I have been in mining and smelters with Anaconda Copper Mining Co in Butte and have wide knowledge of copper mining.

I am firmly convinced from the plan and pattern the ore lies, that some bodies of a good massive nature, can be discovered by exploration drifts. The Tacoma Smelters has assayed this ore in volume quantities and averages 9½% Copper 11oz in Silver and 5oz in gold.

The Tacoma Smelters are only approximately 75 miles from this mining area. The character of these ores are highly suitable for processing at their plant and by letter, They have declared that ~~they are~~ hopeful we can be successful in an exploration and developement program.

Under the new exploration programm, copper, is now included, which urges me to forward this application, but the silver content is quite influential also. I wish to explore on the basis of silver.

For exploration financing, the banks which I bank with have already denied me financing for mineral developement, let alone exploration, on this property.

I am financially able to furnish my part of the costs especially in the equipment end as I am a mining contractor. Documentary letters on denial are being sent to me by my bank, but I have been denied by my banks on a verbal notice.

PHONE LANDER 7554

Attached to letter.

~~REG. GARFIELD 3210~~

Ch-3-8024

A. J. CHEFF CONSTRUCTION CO.
GENERAL CONTRACTORS
10054 WEST MARGINAL WAY
SEATTLE 88, WASHINGTON

The following are the descriptions of these claims.
all located in Sec 17 - T28 - R 11.

Morning Glory Claim.
Recorded Vol 56 - Page 143 Snohomish County #1865280

Gladys Lode Mining Claim.
Recorded Vol 56 Page 142 Snohomish County #1865279

The Florence Lode Mining Claim
Recorded Vol 56 Page 144 Snohomish County #1865281

The Vivian Mining Claim
Recorded Vol 56 Page 145 Snohomish County #1865282

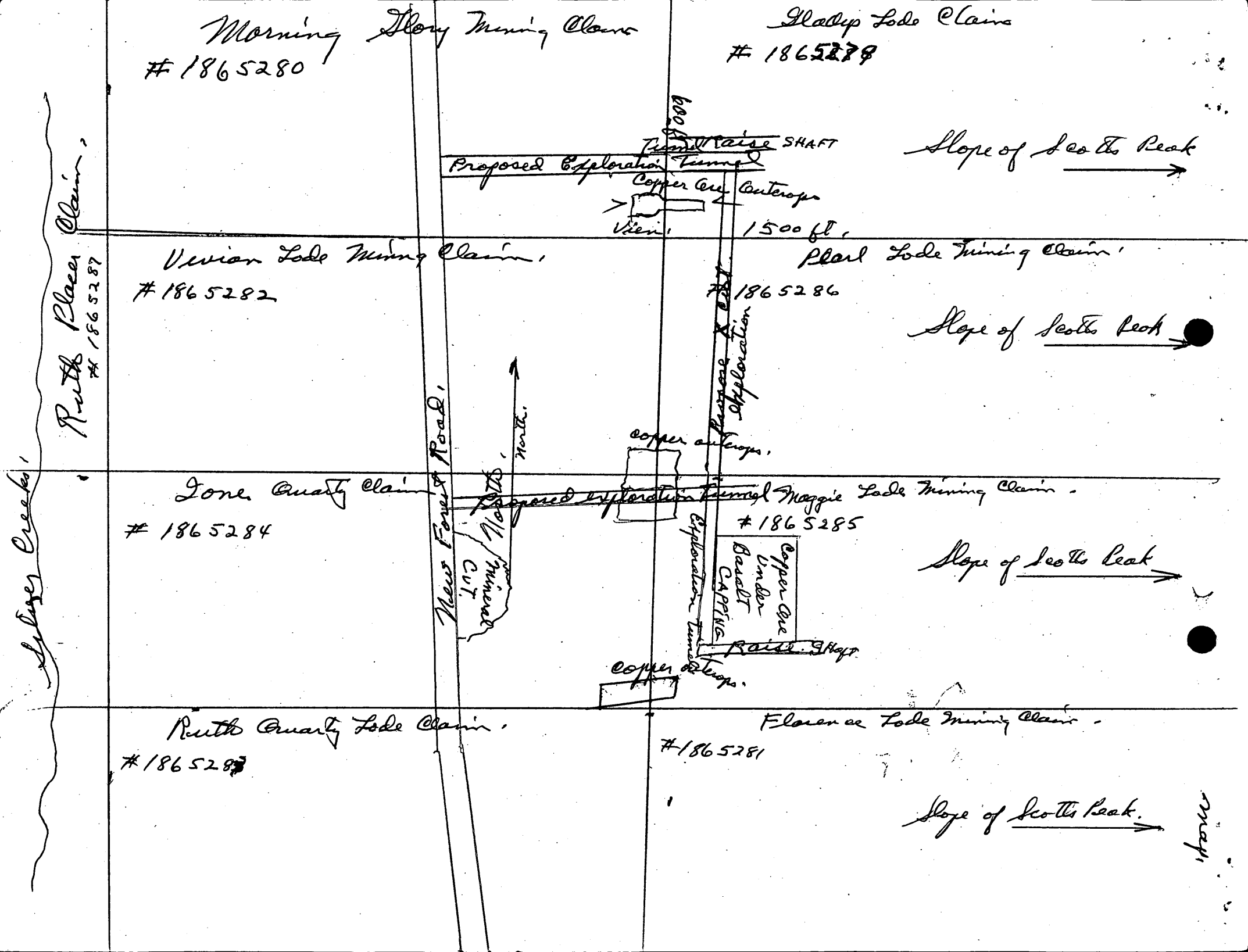
The Ruth Lode Quarty Mining Claim
Recorded Vol 56 Page 146 Snohomish County #1865283

The Pearl Lode Mining Claim
Recorded Vol 56 Page 149 Snohomish County #1865286

The Maggie Lode Claim
Recorded Vol 56 Page 148 Snohomish County #1865285

The Jane Quarty Claim
Recorded Vol 56 Page 147 Snohomish County #1865284

The Ruth Placer Claim.
Recorded Vol 56 Page 150 Snohomish County #1865287


Morning Glory Mining Claim
#1865280
Gladys Lode Claim
#1865278
600 ft.
Raise SHAFT
Proposed Exploration Tunnel
Slope of Scotts Peak
Copper Ore Outcrops
Vein.
1500 ft.
Ruth Placer Claim
#1865287
Vivian Lode Mining Claim.
#1865282
Pearl Lode Mining Claim.
#1865286
Slope of Scotts Peak
Proposed Exploration
copper outcrops.
Silver Creek.
Zone Quartz Claim
#1865284
Proposed exploration Tunnel
Maggie Lode Mining Claim.
#1865285
Mars Tower & Road.
North.
Gold Mineral Cut.
Exploration Tunnel
Copper Ore Under Basalt CAPPING
Slope of Scotts Peak
Raise Shaft
copper outcrops.
Ruth Quartz Lode Claim.
#1865283
Florence Lode Mining Claim.
#1865281
Slope of Scotts Peak.
North.

attached to letter. Sheet 1

The exploration program from a sound mining determination will be to drive an Exploratory Drift, from the Morning Glory Claim into the Gladys Claim where a good copper vein now exists that assays 9± to 11% copper in hard massive chalcopyrite with some values of boronite. The pitch and dip of this body must be explored and found and its extensions in an easterly direction as well as westerly. Cross exploration with diamond drill will be necessary in this drift exploration. Diamond drilling is not very feasible and practical along this area from surface due to the rough & steep terrain. This drift should go in a thousand feet if indications warrant it from the new Forest Road or just above it. The owner has much faith that a very strong body of copper, silver, gold, chalcopyrites and boronites of substantial value will be discovered

in this area.

About a thousand feet southerly from the first proposed Exploration, On the Done Quarty Claim and the Maggie Lode to the east up the mountain are mineral exposures which we propose to explore under the basalt cappings and the near area are lower grade mineral exposures and strong extrusions which needs explorations by a tunnel between these two claims and some diamond drilling.

An exploratory x cut is planned from the Gladys Lode Tunnel southerly to the Maggie Lode Claim due to the strong indications of mineral in between. If the first thousand feet of Tunnel, and diamond drilling plus a raise shaft, bring results it is the plan to do the rest of the exploration work which will cost at least two hundred thousand dollars or more, to the government, on a 75% basis.

PHONE LANDER 7554

Attached to letter,

RES: ~~GARFIELD 0870~~
Sheet # 1

A. J. CHEFF CONSTRUCTION CO.
GENERAL CONTRACTORS
10054 WEST MARGINAL WAY
SEATTLE 88, WASHINGTON

Estimated Cost 1st Drift 1000 ft.

The owner of this mining property is a mining contractor by trade and constructs tunnels and rock projects. Estimates from a contractor basis are hereby submitted in the light of present day costs.

The proposed drift on the Morning Glory Claim shall be approximate 8x8 without support for 1000 ft. Due to new & modern mining method small drifts are no more desireable or feasible due to larger mining equipment. A 5x7 drift is now more costly than an 8x8 drift. A larger drift or exploration tunnel can then be converted to diamond drill exploration and haulage.

For the 1st 1000 ft Tunnel, Diamond Drill Exploration and Raise Exploration, with auxiliary lateral exploratory X cuts, will take about 52 weeks.

PHONE LANDER 7554

RES. ~~GAR[illegible]~~

Sheet # 2

# A. J. CHEFF CONSTRUCTION CO.

GENERAL CONTRACTORS
10054 WEST MARGINAL WAY
SEATTLE 88, WASHINGTON

Estimated Costs

Labor Breakdown on Contractor Basis,

| | | |
|---|---|---|
| 1 | Compressor, Mechanic & Shop Man. - 3.50 hr. = | 28.00 |
| 1 | Mucking machine man & miner, at 3.50 hr = | 28.00 |
| 2 | Miners at ---- 3.50 hr. | 56.00 |
| 1 | Tunnel & Track Laborer at 3.00 hr. = | 24.00 |
| 1 | Motorman & miner at 3.50 hr. = | 28.00 per shift. |
| 1 | Foreman at 4.00 per hr. = | 32.00 |
| | | 196.00 per shift. |

Equipment Breakdown for 8 [illegible] drift, 1st Tunnel

| | |
|---|---|
| 1100 ft of 2" Water Line at 40¢ ft = | 440 00 |
| 1100 ft of 3" Air Line at 80¢ ft = | 880 00 |
| Air & Water Line fittings and Hoses, = | 350 00 |
| 12" Ventilation Line 1100 Li ft at 2 40 = | 2640 00 |
| 18" Radial Fan & Blower & 40 hp Electric Motor = | 1400 00 |
| 1400 Li ft of track ties = 600 Ties at 90¢ ea = | 540 00 |
| 2800 Li ft 40 lb Rails, = 37320 lb at 6¢ lb = | 2239 20 |
| Rail & Track Accessories Switches etc, 2500 lb. 15¢ = | 375 00 |
| Electrical Wiring power & lighting J.S. | 1,750 00 |
| Transformers for power & lighting 3 Phase & Single Phase, J. Sum, = | 1,500 00 |
| 75 K.W Power Plant Used plant, | 8,250 00 |
| Switches & Relays & Magnetics, | 700 00 |
| 600 cu ft Diesel Portable Compressor, Used | 10,000 00 |
| 1 Used Loader and Utility hoist, Used | 7,500 00 |
| 1 Tunnel Mucking Machine, #24 Eimco, Used | 5,000 00 |
| 1 Battery Locomotive with 2 Batteries, | 6,500 00 |
| 1 AC & DC Charging Set & Panel | 1,400 00 |
| 1 Shop Chain Block and Monorail, | 350 00 |
| 2 Shop Welders 300 Amp Gas & Elec, | 1200 00 |
| 5 Tunnel Mine Cars 800 ea = | 4000 00 |
| 2 Tunnel Car Passers, 600 each | 1200 00 |

Equipment & Supply Breakdown. 1st Tunnel.

| | |
|---|---|
| 1 Tunnel & Mine Jumbo - Drilling Carriage. | 1500 00 |
| 3 Tunnel Jibs used 800 00 ea = used | 2400 00 |
| 4 Tunnel 93 Drifters 8ft Stelly or Equivalent. used 800 00 ea. | 3200 00 |
| 4 Auxiliary #48 Jackleg Drills 300 00 ea = | 1200 00 |
| 2 Stopers drills - - - - 700 00 Used = | 1400 00 |
| 1 C.P. Diamond Drills. New = | 4800 00 |
| 2 Jack Hammer Drills Used. 150 00 ea | 300 00 |
| 100 - 8ft drill rods, 1¼ rounds. at 18 00 ea = | 1800 00 |
| 50 Hex drill rods 1" hex at 14 00 = | 700 00 |
| 50 Stoper drill rods. - - 14 00 = | 700 00 |
| 50 Jack hammer 1" hex rods. at 12 00 = | 600 00 |
| 250 Carbide Drill bits at 18 00 ea 1¼" = | 4500 00 |
| 100 Carbide H thread bit at 14 00 ea = | 1400 00 |
| 40 000 lbs 40% Explosives at 25 00 c = | 10000 00 |
| Misc Repair Parts Lump Sum = | 5,000 00 |
| Misc Fuel Cost & Oils. 150 00 per Wk - 52 | 5980 00 |
| 1 dump Truck | 3500 00 |
| 1 Flat Truck | 2500 00 |
| 1 Pickup Truck. | 1000 00 |

1865280

# NOTICE OF LOCATION MINING

OF THE

Morning Glory Quartz Mining Claim Placer Mining Claim

~~Discovered~~ 19____, Located Sec 17-T28-R11 19____

Notice is hereby given that the undersigned, having complied with the Mining Act of Congress, approved May 10, 1872, and with all subsequent Acts, and with local laws, customs and regulations, has this 20th day-twentieth day of August 1961 19~~6~~1 located and claimed 600 ft X 1500 ft acres of placer quartz mining ground, situated in the Silver Creek Mining District described as follows, to-wit: At the Northeast Corner of Section 19 Township 28 N. R. 11 E, W.M. The Corner the N.W. Corner of the Morning Glory Claim is approximately 400 ft N.W. from the N.E. Corner of Section 19 in Section 18 and follows east 1500 ft towards Scott Peak. and 600 ft wide. Al Survey # 1268

This notice is posted on the North West Corner Post corner-post of said claim and from said point bears 1500 ft East bears in direction about distant

Witness:

Filed for record MAY 10 1966 3:14 ~~AM~~ PM

Request A. J. Cheff

Stanley Dubuque, Snohomish County Auditor

Located by

A. J. Cheff

Mining

VOL 56 PAGE 143

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A. J. Cheff

1966 MAY 10 PM 3 24

STANLEY DUBUQUE, AUDITOR
SNOHOMISH COUNTY, WASH.
DEPUTY

Adelaide Martens

2.00

2700 So. 133rd St
Seattle 88, Wash

# MINING

# NOTICE OF LOCATION

## OF THE

The Gladys Lode Quarty Claim ~~Placer~~ Mining Claim

Discovered _____ 19____, Located Sec 17 - T 28 - R 11 19____

Notice is hereby given that the undersigned, having complied with the Mining Act of Congress, approved May 10, 1872, and with all subsequent Acts, and with local laws, customs and regulations, has this 20th Twentieth day of August, 1965 located and claimed The Gladys Quarty Mining Claim acres of placer mining ground, situated in the Silver Creek Mining District described as follows, to-wit: Bordering East of the Eastern end line of the Morning Glory Quarty Claim, and following eastward on slope of Scott Peak Mountain for a distance of 1500 feet long and 600 ft Wide. The Gladys Lode Claim situated on S Section Township 28 N. Range 11 E W.M. Old Survey #1268

This notice is posted on the West End of Gladys Claim about 200 ft east corner-post of said claim and from said point of West Line of Claim at Discovery Location bears in _____ direction about _____ distant

Witness:

Filed for record MAY 10 1966 3:24 P.M.

Request A. J. Cheff

Stanley Dilbeck, Snohomish County Auditor

Located by

A. J. Cheff

Mining

VOL 56 PAGE 142

1865279

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A. J. Cliff
1966 MAY 10 PM 3 24

STANLEY DUBUQUE, AUDITOR
SNOHOMISH COUNTY, WASH.
DEPUTY Lea Martin

2.00

2700 - So 133rd St
Lowell 88 Wy

1865281

MINING

# NOTICE OF LOCATION

## OF THE

The Florence Lode ~~Placer~~ Claim ~~Placer~~ Mining Claim

Discovered _____ 19____, Located Sec 17 - T 28 - R 11 19____

Notice is hereby given that the undersigned, having complied with the Mining Act of Congress, approved May 10, 1872, and with all subsequent Acts, and with local laws, customs and regulations, has this Twentieth day of August 19 61 located and claimed 1500 x 600 ft Florence Lode Claim of ~~placer~~ mining ground, situated in the Silver Creek Mining District described as follows, to-wit:

Lieing easterly from the Ruth Lode Claim extending 1500 ft east x 600 ft. Bordering the Maggie Lode Claim on the south. Beginning on Section 19 and extending east on Section ___ on slope of mountain.

Old Survey #1268

This notice is posted on the West Center line of Flo corner-post of said claim and from said point easterly 1500 ft bears in _____ direction about _____ distant

Witness:

Located by

A. J. Cheff

Filed for record MAY 10 1966 3:24 ~~AM~~ PM

Request A. J. Cheff

Stanley Dubuque, Snohomish County Auditor

Mining

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STANLEY DUBUQUE, AUDITOR
SNOHOMISH COUNTY, WASH.
DEPUTY Sheila Martin

2 ob

2700 So 133rd St
Seattle 88, Wash

MINING

# NOTICE OF LOCATION

## OF THE

The Ruth Lode Quartz Mining Claim ~~Placer~~ Mining Claim

Discovered _____ 19____, Located Sec 17 - T28 R 11 19____

Notice is hereby given that the undersigned, having complied with the Mining Act of Congress, approved May 10, 1872, and with all subsequent Acts, and with local laws, customs and regulations, has this twentieth day of August 1964 located and claimed 1500 x 600 ft acres of placer mining ground, situated in the Silver Creek Mining District. described as follows, to-wit:

The Ruth Claim borders the Jone Lode Claim on the South. The West line beginning on Section 19 running eastward 1500 ft X 600 ft Wide on Section and up slope of mountain,

Old Survey #1268

This notice is posted on the West Center line of Ruth Claim corner-post of said claim and from said point being 1800 ft South of North West Corner ~~bears~~ in of Morning Glory Claim a direction about 1500 x 600 ft eastward distant

Witness:

Located by

A J Cheff.

Filed for record May 11 0 1966 3:44 ~~AM~~ PM

Request A. J. Cheff

Stanley Dubuque, Snohomish County Auditor

Mining

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VOL 56 PAGE 146

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A. J. Cheff
1966 MAY 10 PM 3 24

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STANLEY DUBUQUE, AUDITOR
SNOHOMISH COUNTY, WASH.
DEPUTY Adeta Martin

2.00

2700 So 133rd St
Seattle 88, Wash

# NOTICE OF LOCATION MINING

## OF THE

The Maggie Lode Mining Claim, ~~Placer~~ Mining Claim

Discovered _____ 19____, Located Sec 17 - T28 - R11 19____

Notice is hereby given that the undersigned, having complied with the Mining Act of Congress, approved May 10, 1872, and with all subsequent Acts, and with local laws, customs and regulations, has this Twentieth day of August 19 61 located and claimed The Maggie Lode Mining ~~Placer of placer~~ mining ground, situated in the The Silver Creek Mining District described as follows, to-wit:

Being extended easterly from the Zone Claim and bordering to the south of the Pearl Lode Claim in Section and up the slope of Scotts Peak to the east.

Old Survey # 1268

This notice is posted on the West line of the Maggie Lode Claim and on the last there of the Zone Claim corner-post of said claim and from said point in an easterly direction about 1500 x 600 ft, bears in distant

Witness:

Located by

A. J. Cheff

Filed for record MAY 10 1966 3:24 AM—PM

Request A. J. Cheff

Stanley Dubuque, Snohomish County Auditor

Mining

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STANLEY DUBUQUE, AUDITOR
SNOHOMISH COUNTY, WASH.
DEPUTY Arlene Martin

2.00

2700 So 133rd St
Seattle 88, Wash

1865281

MINING

# NOTICE OF LOCATION

## OF THE

The Lone Lode Quartz Mining Claim ~~Placer~~ Mining Claim

Discovered _____ 19____, Located Sec. 17-T28-R.11 19____

Notice is hereby given that the undersigned, having complied with the Mining Act of Congress, approved May 10, 1872, and with all subsequent Acts, and with local laws, customs and regulations, has this twentieth day of August 19 6[illegible] located and claimed 1500 x 600 ft. acres of ~~placer~~ mining ground, situated in the Silver Creek Mining District, described as follows, to-wit:

Along and adjoining the Vivian Claim to the south. Beginning on west line on Section 19 running eastward 1500 ft x 600 wide on Section up the slope of mountain

Old Survey # 1268

This notice is posted on the S. Western Corner of corner post of said claim and from said point the Vivian & N Western Corner of the Lone Claim bears in an easterly direction about 1500 x 600 ft distant

Witness:

Located by

A. J. Cheff

Filed for record MAY 1 0 1965 3:24 AM—PM

Request A. J. Cheff

Stanley Dubuque, Snohomish County Auditor

Mining

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a. J. Cheff

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STANLEY DUBUQUE, AUDITOR
SNOHOMISH COUNTY, WASH.

DEPUTY Carlos Martinez

2.00

2700 So 133rd St
Seattle 88, Wash.

MINING

# NOTICE OF LOCATION

## OF THE

Vivian Mining Claim ~~Placer~~ Mining Claim

Discovered _____ 19____, Located Sec 17 - T 28 - R 11 19____

1865282

Notice is hereby given that the undersigned, having complied with the Mining Act of Congress, approved May 10, 1872, and with all subsequent Acts, and with local laws, customs and regulations, has this 20th day day of August 1964 located and claimed 600 ft X 1500 ft Situated acres of placer mining ground, situated in the along and adjoining South of Morning Glory Claim described as follows, to-wit: Situated in Silver Creek Mining District.

The Vivian Mining Claim Lode lies and is located on Section 19 and runs eastward on Section up the slope of Scotts Peak and borders the Morning Glory Claim to the south.

Old Survey #1268

This notice is posted on the West Line of the Vivian Claim corner-post of said claim and from said point the center line of Claim bears in an easterly direction direction about 1500 ft X 600 ft wide distant

Witness:

Filed for record MAY 10 1966 3:24 ~~AM~~ PM

Request A. J. Cheff

Stanley Dubuque, Snohomish County Auditor

Located by

A. J. Cheff

Mining

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a. J. Cheff

1966 MAY 10 PM 3 24

STANLEY DUBUQUE, AUDITOR
SNOHOMISH COUNTY, WASH.
DEPUTY
Cecilia Martinez

2.00

2700 So. 133rd St
Seattle 88, Wash

1865286

# NOTICE OF LOCATION MINING

## OF THE

The Pearl Lode Mining Claim Placer Mining Claim

Discovered _____ 19____, Located Sec 17-T28-R11 19____

Notice is hereby given that the undersigned, having complied with the Mining Act of Congress, approved May 10, 1872, and with all subsequent Acts, and with local laws, customs and regulations, has this twelfth day of August 1968 located and claimed The Pearl Lode Mining Claim 600 X 1500 ft X acres of placer mining ground, situated in the Silver Creek Mining District, The Pearl Lode Mining described as follows, to-wit: Claim extends eastward from the east line of the Union Claim a distance of 1500 ft X 600 ft wide The Pearl Lode Mining Claim is in Section extending eastward up the slope of Scott Peak Mountain and borders the Gladys Claim on the south.

Old Survey #1268

This notice is posted on the West Line of the Pearl Lode Claim corner-post of said claim and from said point in an easterly direction about 1500 ft X 600 wide bears in distant

Witness:

Filed for record MAY 10 1966 3:24 AM PM

Request A. J. Cheff

Stanley Dubuque, Snohomish County Auditor

Located by

A. J. Cheff

Mining

Vol. 56 Page 149

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A. J. Cheff

RECORDED

1966 MAY 10 PM 3 24

STANLEY DUBUQUE, AUDITOR
SNOHOMISH COUNTY, WASH.
DEPUTY
Adela Martin

2.00

2700 So 133rd St
Seattle, 88, Wash

MINING

# NOTICE OF LOCATION

## OF THE

The Ruth Placer Claim Placer Mining Claim

Discovered _____ 19____, Located Sec 17-T28-R11 19____

1865287

Notice is hereby given that the undersigned, having complied with the Mining Act of Congress, approved May 10, 1872, and with all subsequent Acts, and with local laws, customs and regulations, has this twentieth day of August 1966 located and claimed The Ruth Placer Claim acres of placer mining ground, situated in the for Mill Site on Silver Creek described as follows, to wit:

Being located Westerly from the Ruth Lode Claim for 600 ft and running 1500 ft Southerly down stream on South Bank of Silver Creek

Old Survey #1268

This notice is posted on the Northerly line of Ruth Placer Claim corner-post of said claim and from said point running south 1500 ft, bears in direction about distant

Witness:

Filed for record MAY 10 1968 3:24 AM PM

Request A. J. Cheff

Stanley Dubuque, Snohomish County Auditor

Located by

A J Cheff

Mining

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Washington Legal Blank Co., Seattle (Notice of Location - Placer - Short Form) Printing Date 10-31-40 Form No. 218

VOL 56 PAGE 150

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a J. Cheff

1966 MAY 10 PM 3 24

STANLEY DUBUQUE, AUDITOR
SNOHOMISH COUNTY, WASH.
DEPUTY
Anita Martin

2.00

2700 So 133rd St
Seattle 88, Wash

Standard Form No. 65
November 1961
General Services Administration
General Regulation No. 27

# U.S. Government Messenger Envelope

65-106

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| ~~Mr. Kudej, BPA~~<br>Rm. 5600 | STOP | | STOP |
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| ~~Gladys Smith~~<br>~~Legislative Department~~<br>~~Rm. 5323~~ | STOP | | STOP |
| ~~Mike [illegible]~~<br>~~Room 6244~~ | STOP | | STOP |
| Mr. John Ricca<br>Office of Oil & Gas<br>Room 5512 | STOP | | STOP |

Use other side

**Use STOP only when messenger service between Government buildings in Washington, D.C., is required or wherever a STOP system is used. Your mail room has STOP information.**

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MME Form 7
(2/63)

OFFICIAL FILE COPY

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September 18, 1967

Original

Memorandum

To: The File

From: Chief, Office of Minerals Exploration

Subject: OME-6593 (Copper, Silver, Gold)
A. J. Cheff
Silver Creek Mine
Snohomish County, Washington

The Applicant has not replied to our letter of August 18, 1967. Accordingly, the subject docket is referred to the inactive file and the application considered as having been withdrawn.

Frank E. Johnson
Frank E. Johnson

cc: Director's Reading File
Division File
Economic Geology File
OME Reading File
Region 1
120M

ECPeterson/bsl 9/18/67

23263

MME Form 7
(2/63)

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**AIRMAIL**

AUG 18 1967

Mr. Alphie J. Cheff
2700 South 133rd Street
Seattle, Washington 98168

Re: OME-6593 (Copper, Silver, Gold)
A. J. Cheff
Silver Creek Mine
Snohomish County, Washington

Dear Mr. Cheff:

We have not had a reply to our letter of July 17, 1967. If you require additional time to prepare the information previously requested, please let us know. If we do not receive a reply from you within thirty days from the date of this letter, we will assume that you are no longer interested in proceeding with your application and shall consider it as having been withdrawn.

Sincerely yours,

FRANK E. JOHNSON

Frank E. Johnson
Chief, Office of
Minerals Exploration

cc: Director's reading File
Division File
Econ. Geol. Rdg. File
OME docket
OME reading file
OME Region 1
Peterson

ECPeterson/gpw 8/18/67

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MME Form 7
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JUL 17 1967

AIRMAIL

Mr. Alphie J. Cheff
2700 South 133rd Street
Seattle, Washington 98168

Re: OME-6593 (Copper, Silver, Gold)
A. J. Cheff
Silver Creek Mine
Snohomish County, Washington

Dear Mr. Cheff:

We have not heard from you since your letter of May 10, 1967. Will you please advise us when we may expect to receive the necessary data so that we may continue processing your application. If you have decided not to pursue it further, please so inform us.

We wish to cooperate fully in allowing you ample time to obtain the requested data; however, we cannot indefinitely postpone action on an application.

Sincerely yours,

Frank E. Johnson (FJ)

for Frank E. Johnson
Chief, Office of
Minerals Exploration

cc: Director's reading file
Division file
Economic Geology file
OME ~~fixx~~ docket
OME reading file
OME Region I
Peterson

ECPeterson/bih 7/17/67

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MME Form 7
(2/63)

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AIRMAIL

Mr. Alphie J. Cheff
2700 South 133rd Street
Seattle, Washington 98168

MAY 12 1967

Re: OME-6593 (Copper, Silver, Gold)
A. J. Cheff
Silver Creek Mine
Snohomish County, Washington

Dear Mr. Cheff:

This will acknowledge receipt of your letter dated May 10 in which you state that heavy snows in the exploration area has prevented you from obtaining further information needed to process your application. Therefore, we shall continue to hold the application until the area is accessible and you have had time to obtain the data requested in our letter of February 6.

Sincerely yours,

FRANK E. JOHNSON (gfk)

Frank E. Johnson
Chief, Office of
Minerals Exploration

cc: Director's Reading File
Division File
Econ. Geol. File
OME Docket
OME Reading File
Region I w/cy incoming letter
Peterson

ECPeterson/mm (5/12/67)

23263

PHONE LANDER 7554

RES. GARFIELD 3219

A. J. CHEFF CONSTRUCTION CO.
GENERAL CONTRACTORS
10054 WEST MARGINAL WAY
SEATTLE 88, WASHINGTON

OFFICIAL COPY O. M. E. RECEIVED May 1 1967

May 10-67.

Frank E Johnson
2700 So 133rd
Office of Minerals Exploration

O.M.E 6593

Received your latest letter. We are getting the belief that your department is probably part of the Johnson deceit on the American people.

In respect to your last letter, contrary to your thoughts we think there is an economic feasibility to exploration.

Due to heavy snows we have not been able to do any more surface investigation. The snow, snow slides and heavy ground slides of the steep area have covered old surface excavations except the tunnels on the Gladys claim. Exploration will have to be from underground.

We again are in the belief that the Gladys area should be explored by tunnel from the forest road and that later, if initial exploration have been successful and ore is found, it will be the feasible and economic time to run a x cut to

PHONE LANDER 7554 RES. GARFIELD 3219

2700 So 133rd St

A. J. CHEFF CONSTRUCTION CO.
GENERAL CONTRACTORS
10054 WEST MARGINAL WAY
SEATTLE 88, WASHINGTON

Sheet 2 ⊙ ME 6593

the east as indicated on my map from underground to expose any mineral ores in this area. The overburden is 40 ft thick at places and very difficult to find surface croppings.

We think that the very good character of the copper, silver ores exposed on the Gladys, make it very worth while to run the tunnel as indicated on the map towards the Gladys, and find the continuity of this ore. From indications this ore probably is in blowouts called lenses along a vein or fault structure and could break out in quite massive lenses. The ore structure exposed is probably a part of a fractured lense But I am sure this massive type of rich boronite and chalpopyrite ore has some continuity

PHONE LANDER 7554 RES. GARFIELD 3219

Sheet 3

A. J. CHEFF CONSTRUCTION CO.
GENERAL CONTRACTORS
10054 WEST MARGINAL WAY
SEATTLE 88, WASHINGTON

O M E 6593

in the very immediate area. The Sunset Mine was a very successful small mine during the first World War until they flooded the mine by ground water; by mining areas too close to water drainage.

Regarding our application for O.M.E loan we would like to drive tunnel into the Gladys area. We think we have given you all geologic information we can find. Further evaluation of other mineral exposures will have to be done from underground.

It will possibly take 100,000.00 to develope the Gladys area, by tunnel + raise and diamond drill if necessary later. Discovery of the type of ore which has been exposed in body about 5 ft wide and running 90.00 per ton would be easily repayable. The good silver values should allow this loan on a silver basis of 3/4 %.

Yours Truly
A. J. Cheff

MME Form 7
(2/63)

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AIRMAIL

MAY 3 1967

Mr. Alphie J. Cheff
2700 South 133rd Street
Seattle, Washington 98168

Re: OME-6593 (Copper, Silver, Gold)
A. J. Cheff
Silver Creek Mine
Snohomish County, Washington

Dear Mr. Cheff:

We have not had a reply to our letter to you of February 17. Will you please inform us of your plans regarding the application. If you have decided not to pursue it further, will you please so advise us.

Sincerely yours,

FRANK E. JOHNSON

(RH)

Frank E. Johnson
Chief, Office of
Minerals Exploration

cc: Director's Reading File
Division File
Econ. Geology File
OME Docket
OME Reading File
Region I

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MME Form 7
(2/63)

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AIRMAIL
Mr. Alphie J. Cheff
2700 South 133rd Street
Seattle, Washington 98168

FEB 17 1967

Re: OME-6593 (Copper, Silver, Gold)
A. J. Cheff
Silver Creek Mine
Snohomish County, Washington

Dear Mr. Cheff:

Thank you for your letter of February 9 in which you express your desire to start exploration work on the Gladys claim immediately.

We regret that we cannot give full consideration to the proposal because of insufficient information. Regulations governing administration of the OME program require that each application fully describe the proposed exploration and include all of the detailed data called for by the application form. Without this information, it is impossible to evaluate all of the factors involved and to decide whether the Government should enter into an exploration contract with the applicant. It was for these reasons that we asked for additional information in our letter of February 6.

It is suggested that you review our letter wherein we cite specific information that should be submitted. Upon receipt of these data, we will be glad to continue the processing of the application. However, nothing in this letter should be construed as a commitment by the Government to grant an exploration contract.

Sincerely yours,

RM Smith

for Frank E. Johnson
Chief, Office of
Minerals Exploration

cc: Director's Reading File
Division File
Economic Geology File
OME Docket
OME Reading File
Region I w/cy inc. ltr
Peterson

ECPeterson/mm (2/17/67)

23263

PHONE LANDER ~~7554~~

RES. GARFIELD ~~3219~~

OFFICIAL COPY
O. M. E.
RECEIVED
FEB 14 1967
INITIALS CODE

Feb 9-66

A. J. CHEEF CONSTRUCTION CO.
GENERAL CONTRACTORS
10054 WEST MARGINAL WAY
SEATTLE 88, WASHINGTON

Silver Creek Mine.
Case 6593

Mr Frank Johnson
O.M.E.

I have your letter dated Feb.6-67 in responce to my application for loan for exploration of silver & copper ores.

We shall endeavor to comply with all requirements of your letter in the near future. Snows may prevent us from doing the assay work you require at this time.

The Gladys Claim outcrops is definately our immediate exploration plan. This could be started immediately without doing much on the rest till summer. We have assayed all we can assay on the Gladys claim until we do some exploration tunneling in the vicinity. We should like to get this tunnel exploration on the move. The tunnel could be started up the hill farther by bulldozing a dozer road and shorten the tunnel distance to the site of the ore deposit, as exposed. The Gladys vein structure has a hanging wall and is about 10 ft wide with 5 ft of definate massive copper silver ore having assay value of about 100.00 per Ton as reported on reports sent to you. This definately needs immediate exploration.

Yours Truly

A. J. Cheeff

MME Form 7
(2/63)

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**AIRMAIL**

Mr. Alphie J. Cheff
2700 South 133rd Street
Seattle, Washington 98168

Re: OME-6593 (Copper, Silver, Gold)
A. J. Cheff
Silver Creek Mine
Snohomish County, Washington

Dear Mr. Cheff:

One of the criteria we must consider in reviewing an application is the estimated cost of the exploration in relation to the size and grade of the potential deposit. In other words, does the deposit warrant the expense required to explore it? A review of your application indicates that several items presented need clarification and additional information is required before we can make this determination.

Although you have provided assay information relative to the target area in the northeast corner of the Gladys claim, no such information has been given of the other targets which you propose to explore or which constitute possible areas of exploration. These include the large mineralized mass shown on the central portion of your map, and the apparent target area of the second drift which you have proposed. As this information would help in determining the deposit's potential, we suggest you sample and assay these areas as well as any vein outcroppings in the vicinity. Information pertaining to the location of samples taken, how sampled, sampled widths, and copies of the assay certificates should be forwarded for our evaluation. Also, please given the estimated dimensions of the mineralized masses shown, vein locations, widths and distances traced, and their strike and dip.

It is not certain from the evidence submitted whether silver may be present on the property in sufficient quantity to qualify for Government assistance at 75 percent of acceptable costs allowed for silver in the event of a contract. The information suggests instead that the copper content would constitute a greater share of the ore value and, therefore, Government contribution to allowable costs would be limited to 50 percent. This difference in possible contribution by the Government may influence the total estimated cost of your project proposal because your share would be 50 percent instead of 25 percent as originally estimated.

In this connection, you have indicated that your share of the project costs would be contributed by the use of equipment and supplies that you own. Unfortunately, we find that allowances for these items usually are not sufficient to cover the operator's share of the costs. For each piece of his equipment used on an OME project the operator is compensated by allowing depreciation to the extent of 1/60th of the fair market value of the equipment or its book value, whichever is less, for each month used. Therefore, we must have some assurance that you have other means to furnish your share of the costs, besides allowances for the use of equipment, in the event that an exploration contract is granted.

For your information, the Government pays its share of the costs at the end of each month after a voucher for the costs incurred has been submitted and approved. It usually takes two or three weeks to process such a voucher. An applicant, therefore, should have sufficient funds readily available to pay for all the costs of the project for the first two or three months.

In the estimated cost section of your narration, please separate the costs or core drilling from the drifting and crosscutting costs. List the facilities to be included in the plant construction. How do you justify $44,500 of surface exploration? Costs should be detailed, not listed in lump sums.

Please note that the required information listed under Item 1(a) of the application form includes furnishing copies of the applicant's correspondence with two banking institutions. As we cannot waive this requirement, we suggest that you submit new applications to the banks and furnish us with copies of the correspondence involved.

We will be glad to consider your application further upon receipt of the requested information. Any material furnished will be given prompt and careful consideration. However, nothing in this letter should be construed as a commitment by the Government to grant an exploration contract.

Sincerely yours,

FRANK E. JOHNSON

Frank E. Johnson
Chief, Office of
Minerals Exploration

cc: Director's Reading File
Division File
Economic Geology File
OME Docket
OME Reading File
OME Region I w/incoming correspondence and 2 sketches
Mr. Peterson

ECPeterson/gla 2-6-67

January 30, 1967

Mr. Alphie J. Cheff
2700 South 133rd Street
Seattle, Washington 98168

Subject: OME-6593

Dear Mr. Cheff:

Your application for exploration assistance, dated January 12, 1966, submitted to our office at Seattle, Washington, has been assigned Docket No. OME-6593. ?

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

Sincerely yours,

Frank E. Johnson
Chief, Office of
Minerals Exploration

Copy to Region I

OMC

OFFICIAL COPY
O. M. E.
RECEIVED
AUG 15 1966

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| FEJ | 110 |
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GEOLOGICAL SURVEY
So. 157 Howard Street
Spokane, Washington 99204
August 12, 1966

Mr. A. J. Cheff
2700 So. 133d Street
Seattle, Washington 98168

Dear Mr. Cheff:

As the Defense Minerals Exploration Administration, to which the Office of Minerals Exploration is the successor, did not come into being until 1951, our files do not contain the prior application to which you refer. It probably went to the Reconstruction Finance Corporation or the Bureau of Mines. We certainly will attempt to get to see it. In the mean time we regret the necessity of returning herewith your OME application for completion and clarification. Although you properly submitted the application (MME Form 40) in duplicate, you included only one copy of the supporting information requested on the back of the form, and in several respects that submitted is inadequate. These forms are returned solely for your convenience and should be sent back to us with the other material when it is clarified.

Referring to the back of the application form, under item 1(a), all applicants are required to submit copies of letters they have written to two banks showing the date of loan request, the amount and terms requested, and the proposed use of loan funds. Copies of the banks' replies must also be submitted. This requirement cannot be waived.

Under item 1(c) from your statement at the bottom of page 5 apparently you propose to furnish your share of the cost by cash and allowance for use of equipment which would probably present no problem. However, equipment alone has never proven satisfactory on a 50 percent Government participation project. Also, based upon the only two assays you have mentioned, it is doubtful that your property would qualify for 75 percent support as a silver project. Additional assays might change this opinion however. The information required under items 2(a), (b), and (c) appears to be in order. Whether or not a quit claim deed from the Executor of Mr. Smith's estate or from his heirs will be requested is a legal question which I cannot answer at this time.

Under item 3(a) your sketch shows three areas labeled "copper outcrops," but you do not say what work, if any, has been done in the past to explore at or near these outcrops. Have any prospect pits, shafts, or tunnels been driven, and, if so, indicate on your sketch the approximate location of each.

Under item 3(b) how much of this work did you do? Under item 3(c) it is not clear whether the ore assayed by the Tacoma Smelter was from a sample or bulk shipment. If it was from a shipment, state how many tons were shipped and enclose copies of any settlement sheets relative thereto if available.

Under item 3(d) from your narrative it appears that there are no known ore reserves.

Under item 3(e) the only information given in your narrative is: "Copper, silver and gold ore showings are chalcopyrite and bornite and show in very substantial mass." Do you consider this as a large disseminated deposit or is it made up of one or several veins? If it is the latter, how wide are the veins, are they closely spaced, over how great a distance have they been traced, and how do they strike and dip? In what kind of rock do they occur? Indicate on a claim sketch where any samples were taken from outcrops, pits, or tunnels and indicate the sample widths and assays; if available, include copies of the assay certificates with a statement under item 3(f), of your reasons for expecting to find ore. Under item 3(g) if you have any private reports, maps, etc., include them signifying whether you wish them returned.

Under items 4(a) and (b) you have given most of the required information except for the name and address of the person who will meet the OME representative--a telephone number is often helpful.

Under item 5(a) apparently you propose to drive a drift easterly, 8' x 8' in section, and 1,000 feet long and starting at or near the Forest Service road on the Morning Glory claim. From the end of this drift you propose to drive a raise of unspecified section at an unspecified inclination, for an unspecified distance and to diamond drill an unspecified number of holes of an unspecified core size. The proposed drilling pattern, the number of drill stations, and the total number of feet of drilling is not given.

Apparently, depending upon the results of this work being favorable, you propose to crosscut southerly from the first drift for an unspecified distance, and from the end of the crosscut, to drive an unspecified amount of raise; simultaneously you propose to drive a second drift about 1,000 feet south of the first one. From your sketch the second drift will pass under the crosscut. Could not the indicated area labeled "copper outcroppings," which is the apparent target for the second drift, be explored at less cost by drifting westerly from the crosscut, if the crosscut can be justified by the geology?

Under item 5(b) apparently no access road is required.

Under item 5(c) you have given none of the information requested as to the starting date, and the anticipated daily average or monthly rate of progress for raising and for diamond drilling; for drifting and crosscutting apparently you expect an average of 7 feet per shift. How many shifts per day and how many days per month do you expect to operate?

Under item 7, your cost estimate seems complete, but some items are higher than usual. This can best be discussed if an on-site inspection is made. Only in exceptional cases have openings larger than 5' x 7' in section been approved; OME costs are usually based on that size opening which is ordinarily large enough to explore for an ore body. However, if an operator wishes to drive the openings larger, he can of course do so, but the extra cost is for his own account. As you are in the contracting business, presumably you own the Operating Equipment you have listed and presumably the prices shown are the present fair market value. In this case OME will allow for amortization over a 5-year period or one-sixtieth of the present fair market value per month for each month a given piece of equipment is being used on contract work. Even though you may plan to do the diamond drilling yourself, OME requires bids from three independent drill contractors for this type of work.

I hope that the above remarks, suggestions, and questions will help you to prepare an acceptable application and that OME will be able to assist you in an exploration project. However, nothing in this letter should be considered as any assurance that an exploration contract will be forthcoming.

Sincerely yours,

D. R. MacLaren
Field Officer, OME
Region I

Enclosures

DRMacLaren/mls

cc: OME w/cy incoming let. 8/7/66 w/c/MMB form 40

Director's Reading File

C O P Y C O P Y

CH 3 8024

A. J. CHEFF CONSTRUCTION CO.
GENERAL CONTRACTORS
10054 West Marginal Way
Seattle 88, Washington

Aug 7 - 66

Office of Mineral Exploration

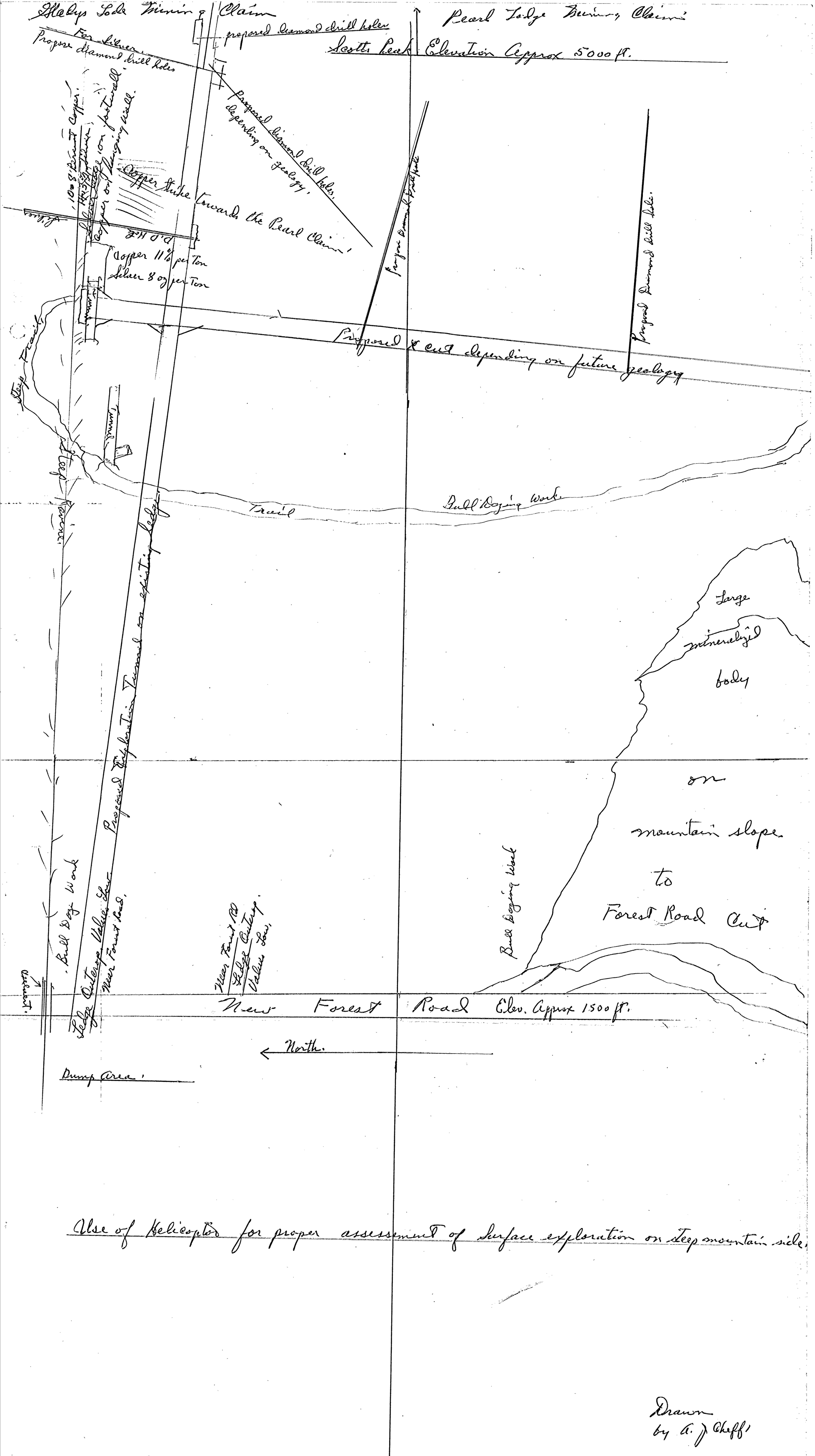
Enclosed is Application for Financial Assistance in Minerals Exploration and attached information. Also costs of 1st Tunnel Exploration Program which approximate $157,954.00. The Second Tunnel Program should cost about 65% of the original tunnel.

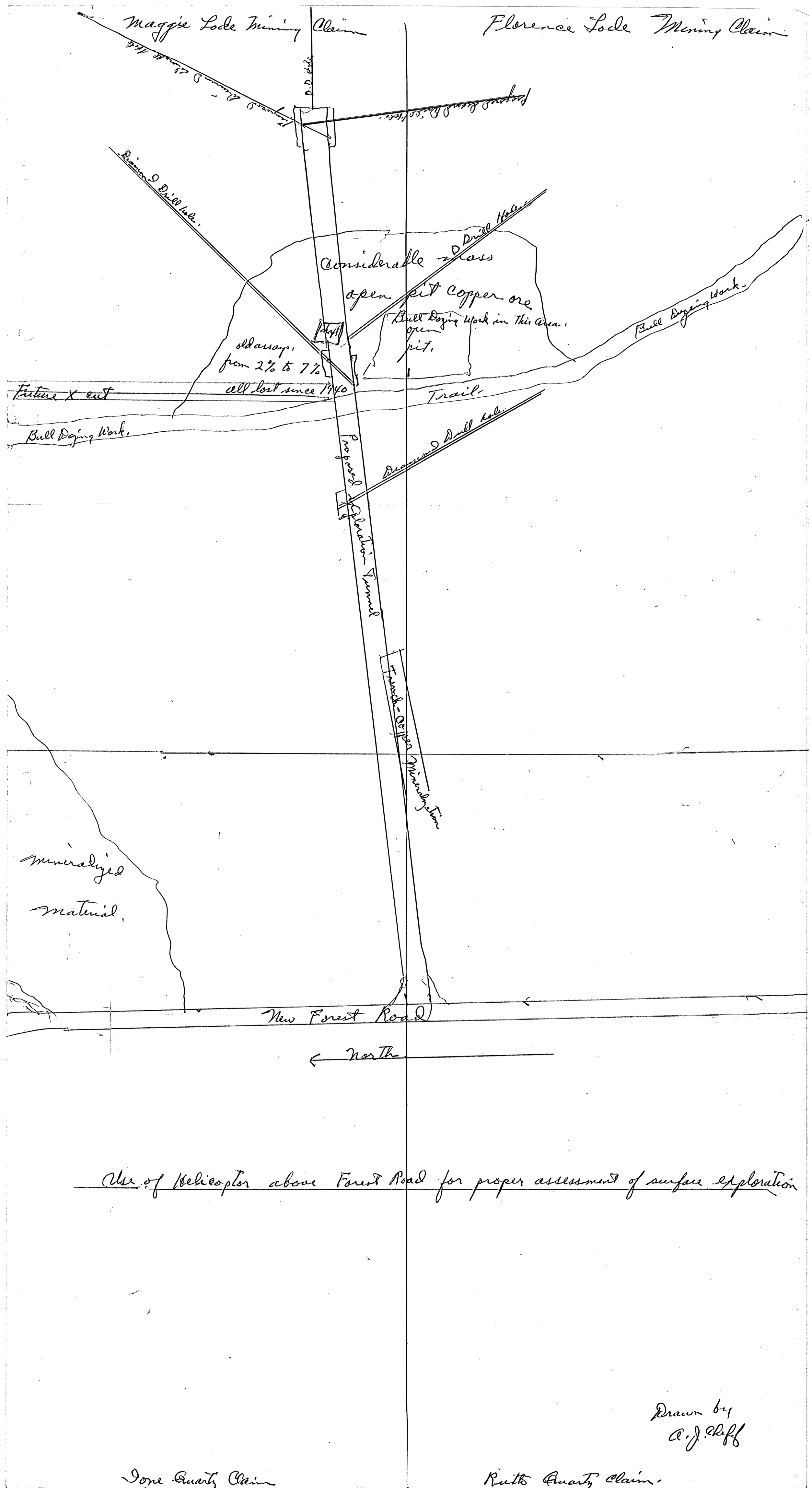
On the basis of 1st Tunnel Cost the per foot cost basis for 1000 Lineal ft. plus X laterals and diamond drilling should be about $41,160.00 for labor cost, $10,000.00 for mobilization, $60,000.00 for equipment and $56,000.00 for materials & supplies and repair parts and fuels.

The basis of these costs are estimated below our contractual costs in general construction. The high cost of these times makes this exploration cost mount.

Yours Truly,

/s/ A. J. Cheff


Ethelys Lode Mining Claim
Pearl Lodge Mining Claim
For Silver.
Propose diamond drill holes
proposed diamond drill holes
Scotts Peak Elevation Approx 5000 ft.
proposed diamond drill holes, depending on geology.
10 oz silver copper.
Copper Strike towards the Pearl Claim.
Copper 11% per Ton
Silver 8 oz per Ton
Proposed diamond drill hole
Proposed diamond drill hole.
Proposed cut depending on future geology
Steep Trail
Steep Trail
Bull Dozing Work
Trail
Proposed Exploration Tunnel on existing ledge
Large mineralized body on mountain slope to Forest Road Cut
Bull Dozing Work
Bull Dozing Work
Ledge Outcrop Values Show Near Forest Rd.
Near Forest Rd Ledge Outcrop Values Show.
Culvert.
New Forest Road Elev. Approx 1500 ft.
North.
Dump Area.
Use of Helicopter for proper assessment of surface exploration on steep mountain side.
Drawn by A. J. Cheff.
Morning Glory Claim
The Ruth Placer Claim
Vivian Lode Mining Claim.


Maggie Lode Mining Claim
Florence Lode Mining Claim
Diamond Drill holes.
Diamond Drill Holes.
Considerable glass
open pit copper ore
Bull Doging Work in This Area.
open pit.
Bull Doging Work.
old assays.
from 2% to 7%
all lost since 1940
Future X cut
Trail.
Bull Doging Work.
Diamond Drill holes.
Proposed Exploration Tunnel
Trench - Copper Mineralization
mineralized material.
New Forest Road
North.
Use of Helicoptor above Forest Road for proper assessment of surface exploration
Drawn by
A. J. Ashoff
Jone Quartz Claim
Ruth Quartz Claim.