MME Form 9
Rev. Nov. 65

UNITED STATES
DEPARTMENT OF THE INTERIOR
Geological Survey

OFFICIAL DOCKET FILE Contract No. _____ Docket No. 6581

Application
- [x] Denied
- [ ] Withdrawn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
- [x] On-site Exam. Report (Tab) 8-1-67
- [ ] 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

Salmon, Idaho
Jan. 10, 1967

OFFICIAL
COPY
O. M. E.
RECEIVED
JAN 16 1967
SECRETARY'S COPY

Mr. Frank E. Johnson
Chief Office of
Minerals Exploration
Washington D. C.

RE: OME 6581 (Copper, Gold, Silver)
Thomas L. Green
Cardinal Claims
Lemhi County, Idaho

Dear Mr. Johnson:

Following will be the information you have requested in regards to my application for financial assistance to explore the property assigned to Docket No. OME 6581.

1. Financial Eligibility:

(a) Application for loan was made in person, which was taken under advisement, and at a later date, loan refusal letters were sent, of which same were sent with loan application.

(b) Application is for an individual. Partnership must have been checked by mistake.

(c) My share of finances for the project, would come from present lease operation at Cobalt, Idaho, of which I am working with Mr. Sims, of Salmon, Idaho.
He is well known with Mr. D. R. MacLaren. My income off this operation ranges from $1,500.00 to $2,000.00 per month. If further assistance would be needed Mr. Sims would back me on this project.

Copy sent to Region I

2. Applicants Rights in Land:

(c) Lien and subordination agreement forms enclosed.

3. Physical Description:

(g) Yes, the two maps are the reports referred to, by me under this item.

5. Exploration Work:

Claim map showing boundaries and relation of present mine workings and proposed work is included.

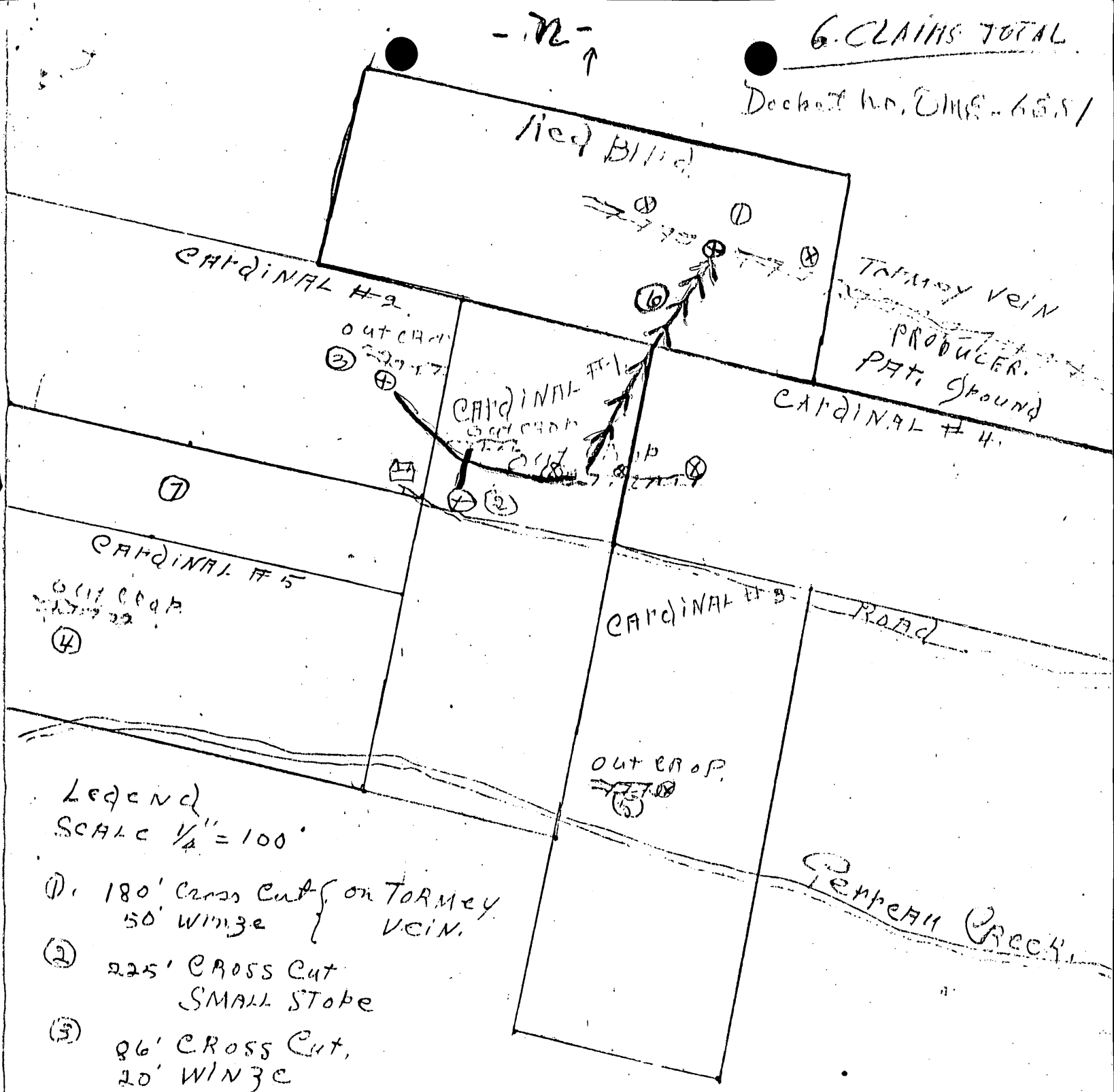
Sincerely Yours,

Thomas L. Green

Thomas L. Green
Box 1061
Salmon, Idaho

6. CLAIMS TOTAL

Docket No. OMS-65.51



Legend
SCALE 1/4" = 100'

(1). 180' Cross Cut } on TORMEY
50' Winze } VEIN.

(2) 225' CROSS Cut
SMALL Stope

(3) 86' CROSS Cut,
20' WINZE

(4) 50' CROSS Cut

(5) 75' CROSS Cut.

(7). Junction of claim, to be located in spring

(2) CROSS Cut to Be Reconditioned.
DRIFT APPROX. 500' ON OUT CROPS.

(6) Future CROSS Cut.

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION
GEOLOGICAL SURVEY
So. 157 Howard Street
Spokane, Washington 99204
October 26, 1966

OFFICIAL COPY
O. M. E.
RECEIVED
OCT 28 1966
INITIALS | CODE

Memorandum

To: Chief, Office of Minerals Exploration

From: Field Officer, Region I

Subject: Transmittal of Application for Financial Assistance
Thomas L. Green (Copper-Gold-Silver)
Cardinal Group
Lemhi County, Idaho

Enclosed is an application from Thomas L. Green for OME assistance to explore for copper-gold-silver ore on the Cardinal claim group, Copper Mountain District, Lemhi County, Idaho.

There are several interesting copper assays shown on one map, but the assay reports are for shipments of ore and concentrates. Of about 22 tons shipped, 3 sample assays average 7.59 percent copper, 0.7 ounce silver and 0.011 ounce gold per ton. Three assays of samples from concentrates average 15.9 percent copper, 2.4 ounces silver and 0.018 ounce gold per ton.

Missing from the application are:

1. Claim map
2. Copies of letters from the applicant to the banks
3. Lien and Subordination Agreements
4. Reports mentioned under item 3(g) - unless the two maps are supposed to represent the reports.

Presumably, the applicant is an individual, since he holds the property by lease and lists no partners; however, he has indicated by a checkmark that he is representing a partnership and under item 2(c) he indicates that no Lien and Subordination Agreement is in order, suggesting that the lessors are the partners.

The property is probably worth an on-site inspection, but before a field referral is made, it is recommended that the following data be obtained:

1. Claim map
2. Clarification as to whether the applicant is an individual or a partnership and whether a Lien and Subordination Agreement is required.

3. Does the applicant have sufficient funds to go with the "labor, equipment, and supplies" with which he proposes to furnish his share of the costs?

D. R. MacLaren

D. R. MacLaren

Enclosure

LEASE AND OPTION TO PURCHASE MINING PROPERTY

THIS LEASE AND OPTION TO PURCHASE MINING PROPERTY, Made and entered into this 21st day of October, 1966, by and between CHARLES KAPP, and SAMUEL E. WHITE, of Salmon, Idaho parties of the first part and hereinafter termed, "LESSORS", and TOM GREENE, of Salmon, Idaho, party of the second part and hereinafter termed "LESSEE",

WITNESSETH:

That the hereinabove Lessors, for and in consideration of the sum of ONE and NO/100 DOLLARS ($1.00), the receipt whereof is hereby acknowledged, and in further consideration of the covenants and agreements to be performed by the Lessee, have let and demised and do, by these presents, lease, demise and let unto the Lessee, the following described mining property situate in the Eureka Mining District, County of Lemhi, State of Idaho, to wit:

RED BIRD LODE Mining Claim;
CARDINAL LODE Mining Claim;
CARDINAL No. 1 Lode Mining Claim;
CARDINAL No. 2 Lode Mining Claim;
CARDINAL No. 3 Lode Mining Claim;
CARDINAL No. 4 Lode Mining Claim;
CARDINAL No. 5 Lode Mining Claim;

The location notices of which are recorded on the official records of Lemhi County, Idaho, In Book 3 of Mining Claims, at pages 348 and 348, and In Book 10 of Mining Claims, at pages, 354, 354, 355, 355 and 356, respectively, to which records reference is hereby made for a more particular description of said mining property.

Together with all water, water rights, ditches and ditch rights, roads and right-of-way, dips, spurs, and angles, metals, ores and products and any and all appurtenances thereunto belonging or used in connection therewith.

TO HAVE AND TO HOLD Unto the said Lessee for a term of ten(10) years beginning from the date hereof and expiring at twelve o'clock noon on the 21st day of October, 1976, unless sooner forfeited or determined by the agreements and stipulations herein contained.

IT IS HEREBY MUTUALLY CONVENANTED AND AGREED
BY THE PARTIES HERETO AS FOLLOWS:

1. That the Lessee shall have the right to immediate possession of the herein described mining property and shall have ten (10) days from above date to move on and take possession of said property, and will thereafter and during the full term of this lease, or so long as the same may be in full force and effect, work and mine said leased premises in a good and miner-like manner with due regard to the

safety, development and preservation of the mining premises as a workable mine, continually operating the same, which continuous operation shall be construed to mean the the Lessee shall perform at lease forty (40) man shifts of work upon the premises per month from the date hereof.

2. That the Lessee shall do and perform all necessary annual labor upon the unpatented mining claims herein leased on or before the due date required therefor and shall record the same where required in the names of the Lessors, provided, however, that the annual assessment year September 1, 1966, to September 1, 1967, the Lessee shall do and perform the annual assessment work on the RED BIRD and CARDINAL Lode mining Claims, recording the same on or before September 1, 1966.

3. That the Lessee shall pay to the Lessors, or their order, a royalty, or rent, for the herein described premises, of ten per cent (10%) of the "net smelter returns", which said net smelter returns shall be construed to mean the gross value of the products from the mining property, together with any and all Government bonuses, subsidies and mining inducement payments, less smelter and mint treatment charges thereon and less reasonable transportation charges from mine to market, whcih said rent or royalty shall be paid direct from the purchaser of the products of the mining premises to the Lessors, or their order, with a copy of the smelter or mint return per each shipment made, at the Idaho First National Bank, Salmon, Idaho.

4. That the Lessee shall keep an accurate record of all work done, products mined and shipped and all products sold, to which the Lessors, or their agent, may have access at all reasonable times for inspection.

5. That the Lessee will assume full responsibility in case of accident to the Lessee, his employees, or any other persons in and about the said mining premises, and will comply with the Idaho Workmen's Compensation, social security unemployment compensation and any and all other laws, both State and Federal, pertaining to the insurance and working of employees and pertaining to the mining of said mining premises.

6. All bills and expenses incurred by Lessee, or his assignees, shall be promptly paid by him, or them, and he shall prevent the filing of any liens of miners, merchants or material men against the said herein demised premises, or any interest therein, that the Lessee, or his assignee, or assignees, may have; and to keep posted, in at least two conspicuous places, on the premises, the notice as required by the laws of the State of Idaho for the protection of the

Lessors and for the information of the general public.

7. That the Lessee shall have the right to assign this lease but shall, within a period of thirty (30) days, inform the Lessors of any assignment made.

8. That the Lessors, or their designated agents, shall have the right and privilege of entering upon and in the said mining premises, or any part or portion thereof, at any and all reasonable time for purposes of inspection.

9. That the Lessee, or his assignees, shall not allow any person not privy with the parties hereto to hold possession of any of the herein described premises, or any part or portion thereof, under any pretext whatsoever.

10. That the Lessee, or his assignees, shall have the right at any and all times to remove any and all equipment, pipe and other property placed upon the herein described premises by them, always providing, however, that all frame structures, frame buildings, and mine rails shall remain always upon the premises as property of the Lessors; and further provided, however, that upon termination of this lease by forfeiture, surrender, or otherwise, the Lessee, or his assignees, shall have the right and privilege of removal of said pipe or other property for a period of ninety (90) days and such property left upon the premises after such ninety-day period shall be and become the property of the Lessors as a part and portion of their mining premises.

11. That the Lessee shall at all times have the right and privilege of surrendering the premises to the Lessors by giving the Lessors a thirty (30) day written notice of his desire so to do and such surrender shall become fully effective at the end of such thirty (30) day period.

12. That in consideration of the terms hereof the Lessors hereby give to the Lessee an option to purchase all of said properties for the sum of sixty thousand dollars ($60,000.00). All royalties previously paid hereunder shall be credited on said purchase price; and after notice of election of this option is given all royalties shall continue at the same rate as above set forth and shall be credited against the purchase price. After the 1st day of July, 1969, The Lessee shall pay a minimum royalty of($4,000.00) four thousand dollars per year, to be applied to the purchase price of the mine. If during the duration of this lease, the Lessee should sell or transfer his interest to another party, a payment of($15,000.00) fifteen thousand dollars shall be paid to the Lessors. Upon full payment of said purchase price, the Lessorsshall forthwith make, execute, acknowledge and deliver a good and sufficient mining deed to the herein described mining property, conveying

the same free and clear of all liens and encumbrances, excepting those placed thereon by the Lessee, or his assignees, but the subject to the paramount title of the United States of America, as shown by a merchantable abstract of title.

IT IS ALSO HEREBY FURTHER MUTUALLY AGREED That time is the essence of this agreement and should this lease and option to purchase, for any reason whatsoever, terminate or become forfeited for failure of the Lessee to make payments as herein specified, or to carry out the terms and conditions herein stated to be done and performed by him, then all monies paid upon the purchase price, by royalty or otherwise, shall be and remain the property of the Lessors as and for rent for the demised premises and for liquidated damages for the breach hereof, and the Lessors shall have the right or re-entry, evicting the Lessee, or any persons found upon the premises, with or without legal action; provided, however, the Lessee shall have a period of thirty (30) days from and after written notice, directed to him at Salmon, Idaho setting forth wherein he is in default hereunder, the date of a receipt for certified mail from a United States Post Office to be the first day of said thirty (30) day period, and should the Lessee not fully correct all breaches set forth in said notice the Lessors shall take quiet and peaceful possession of the premises, as aforesaid, and the Lessee shall be obligated to pay upon demand any and all reasonable attorney fees the Lessors shall incur in enforcing their rights hereunder.

IT IS FURTHER MUTUALLY AGREED That any waiver of any of the terms, covenants or conditions herein set forth by the Lessee, or his assigns, to be performed, shall not be construed as a waiver of the future performance of any of such terms, covenants or conditions of the Lessee or of said option.

IT IS ALSO MUTUALLY UNDERSTOOD AND AGREED That the rights, terms and conditions of the herein agreement shall be binding upon the inure to the benefit of the heirs, executors, administrators, successors and assigns of the respective parties hereto.

IN WITNESS WHEREOF, The parties hereto have hereunto set their hands and seals the day and year first above written.

Charles Hiff (SEAL)

Lessors

Thomas L. Green (SEAL)

Lessee

Box 1054 SALMON. IDAHO.
Oct 17/66
PHONE 756-2228

OFFICE OF, MINERALS. EXP.
GEOLOGICAL. SURVAY.
S. 157 HOWARD. ST.
SPORIAE. WASH.

DEAR MR. MACLAREN
FIELD OFFICER. G.M.E. I AM. THIS DAY SENDING YOU
APPLICATION FOR. MY. COPPER. PROPERTY,
WE. THESE FORMS ARE FILLED. OUT. TO. YOUR. SATISFACTION,
WE. HAVE DONE OUR BEST. HOWEVER. IF. YOU. WANT MORE
INFORMATION. WE WILL BE GLAD. TO. COMPLY.
I. DO HOPE YOU. CAN INSPECT. THIS DIGGINS. SOME
WE CAN. GET. MOVED IN BEFORE. SNOW.

Respt
CHARLES DAPP

RECEIVED
OCT 21, 1966
O.M.E.

MME Form 40
Jan. 65

RECEIVED

OCT 31 1966

Budget Bureau No. 42-R1308
Approval expires Dec. 31, 1968

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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.)*

Thomas L. Green
Box 1061
Salmon, Idaho

APPLICANT DO NOT USE THIS BLOCK

DOCKET NUMBER: 6581

DATE RECEIVED: 10/28/66

REGION: 1

DIVISION CODE:

BUSINESS ORGANIZATION *(Check one)*

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

STATE IN WHICH FIRM IS ORGANIZED: Idaho

LIST CORPORATE OFFICERS OR PARTNERS HERE, IF APPLICABLE

NAME	ADDRESS	TITLE

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

ESTIMATED COST OF PROJECT: $ 23,000.00

PROPERTY NAME: Cardinal Group Copper Mt.

LOCATION COUNTY: Lemhi

STATE: Idaho

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.~~ Washington, D. C., 20242, 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.

10/15/66
DATED

Thomas L. Green
BY *(Signature)*

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

APPLICATION FOR FINANCIAL ASSISTANCE IN MINERALS EXPLORATION

1. Financial Eligibility
   a. 1. Idaho First National Bank, Salmon, Idaho, refused loan October 4, 1966.
      Custer County Bank, Challis, Idaho, refused loan October 17, 1966.
      2. Amount $23,000.00, Mortgage on property.
      3. Exploration and Development - Drift.
      4. Letters of refusal included in Government Loan Request.
   b. Charles Kapp and Earl White, owners.
   c. Labor, equipment and supplies.
2. Applicant's Rights in Land
   a. Lease and option from owners.
      No liens or mortgages or encumberances.
   b. Red Bird, one claim, and Cardinal Group, six claims. Recorded in the official records of Lemhi County, Idaho, in Book 3 of Mining Claims at pages 348 and 348, and in Book 10 of Mining Claims at pages 354, 354, 355,355 and 356. Sec. 32 and 33 Township 21 N. Range 21 E.
   c. None.
3. Physical Description
   a. Refer to map
      1. 505 feet of drift
      2. 145 winds.
      3. No raises.
      Some track, ore car, ore bin.
   b. Lessee
   c. Approximately 100 ton of ore shipped.
      Settlement sheets included.
   d. Gosin outcrop on Red Bird, on Extensive known vein. Assay returns on outcrops included.
      Outcrop on Cardinal extends fro approximately 500 feet. Refer to Smelter and Assay returns for grade.
   e. Refer to U.S. Geological Survey, Bulletin 774, by Clyde P. Ross. Copper deposits near Salmon, Idaho. Page 32, under description of Tormey and Rattle Snake Mines.
   f. From surface and gosin outcrops, samples taken from outcrops, and 8 open cuts along vein. Ore values showing in all cuts. Assay Reports included.
   g. Reports included. Return if loan is refused.
4. Accessibility of Property
   a. Charles Kapp, Box 1054, Phone 756-2228, Salmon, Idaho 83467.
      Road from U.S. 93 to property.
      Drifts, cross-cuts and winds all open.
   b. Supply points Salmon, Idaho, 12 miles.
      Shipping point, Anaconda, Montana, 175 miles.
5. Exploration Work
   a. 5'x7' drift, 500' under surface out crop, extension of cabin cross cut along vein. Approximately 100 feet E. of quarter section corner 32.
   b. None.
   c. Start at once, and completed within five months.
      100 feet per month, at five days per week.
6. Experience
   Underground mining for 25 years.
   Underground supervisor at Cobalt, Idaho for 5 years.
   Work will be supervised by Lessee.

7. Estimate of Costs
$46.00 per foot, of drifts. No independent contractor.

a. None.

b. Supervision. Engineering, geological services and outside consultants and two drift miners at $24.00 per foot. Services are available.

c. Fuel
Gas and oil, $1.50 per foot
Powder, caps and fuse, $5.00 per foot
Timber, $5.00 per foot
Track, spikes and nails, $.50 per foot
Water pipe, $.50 per foot
Air pipe, $1.00 per foot
Rail, $2.40 per foot
Hand tools, $.50 per foot
Vent line, $1.00 per foot

d. Mucking machine, slusher, drilling equipment, compressor, ore cars, trammer changer, mine lamps, air fan and motor, truck, electric power plant, provided by lessee. Condition good. Fair market price, approximately $20,000.00.

e. Cabin for miners.
Compressor House to be constructed. Cost $3,000.00.
Ore bin to be enlarged. Estimated cost, $1,000.00.

f. Compressor House, 24'x40'. Gable roof. Sheetmetal roof and sides.
Ore Bin, 200 ton. Timbered.
Supervision by Lessee.

g. Repair and maintance of equipment, $5.00 per foot.
No analytical work.

SALMON OFFICE

The Idaho First National Bank

ESTABLISHED 1867

SALMON, IDAHO

October 17, 1966

Mr. Thomas L. Green
Salmon, Idaho

Dear Mr. Green:

Your application for a loan in the amount of $23,000.00 has been declined.

We are not able to approve a loan of this nature at the present time due to the lack of term money.

Yours very truly,

Duane L. Rice

Duane L. Rice
Asst. Manager

applicant aware?

OFFICIAL COPY
O. M. E.
RECEIVED
OCT 28 1966
INITIALS | CODE

SETH BURSTEDT, PRESIDENT
N. W. HANSEN, VICE-PRESIDENT
FRANK BURSTEDT, EXEC. VICE-PRES.
ADRIAN BURSTEDT, CASHIER
MARY MEYERS, ASST. CASHIER

Custer County Bank

92-297

CAPITAL AND SURPLUS $150,000.00

Challis, Idaho

10-17-66

Mr. Thomas L. Green
Salmon, Idaho

Dear Mr. Green:

We do not lend money for mining purposes so your application for a loan of $23,000.00 must be turned down.

We do not finance any mining development.

Very truly yours,

Frank Burstedt

Frank Burstedt

Applicants letter?

F. 608--9-57--2M--McKES

The Anaconda Company, Washoe Sampler

RECEIVED FROM Mr. A. J. Bigley — BUTTE, MONTANA, November 22, 1957

ADDRESS P. O. Box 1131, Salmon, Idaho — SAMPLER LOT # 4756

MINE Red Bird Mine Copper Ore — SMELTER LOT

	CAR NUMBER	WEIGHTS			ASSAYS			TREATMENT CHARGE	PRICE PER TON	VALUE	Draft No.
		Pounds Gross	Per Cent Water	Pounds Dry	Per Cent Copper	Ounces Silver	Ounces Gold	Dollars	Dollars	Dollars	
BAP	2087	12000	3.2	11616	7.01	0.8	0.015	5.50	24.61	142.93	
	Sampling Charge									5.00	
										137.93	
	Owne Jensen haul									100.00	
										37.93	
	Charles Kapps - Royalty 10%									3.79	
										34.14	

Please Return these Papers on Bring Alongside.

Coffin Jill. Location. 11 Miles South on Nat. Salmon. Ark.

SILICA	60.4
ALUMINA	6.0
IRON	11.6
CaO	—

PAYMENT FOR METALS

Copper less .5 @ 26.500¢ Less 3½c $29.95

Silver @ Less 6c

Gold less .010 oz @ $32.81625 0.16

Date of Quotations 11/13/57

TREATMENT

BASE

Add—12c for each 1% Iron

Add—10% of sum of metal payments in excess of $15.00

Deduct—2.5c for each 1% Silica in excess of Alumina

NET TREATMENT

An extra charge of $5.00 made for sampling all lots under ten tons.

Rates subject to change without notice.

Extensions and footings correct.

COPY over

The Anaconda Co., Washoe Sampler

By

SUPERINTENDENT

F. 605--9-57--500--McKEE

The Anaconda Company, Washoe Sampler

RECEIVED FROM Thomas Green, Ora Stetler, Don D. Flick, Wayne Wood & Harold Moos

ADDRESS P. O. Box K-3, Salmon, Idaho

MINE Copper Hill Mine Ore

BUTTE, MONTANA, June 27, 1953

SAMPLER LOT 5944

SMELTER LOT

	CAR NUMBER	WEIGHTS			ASSAYS			TREATMENT CHARGE	PRICE PER TON	VALUE	Draft No.
		Pounds Gross	Per Cent Water	Pounds Dry	Per Cent Copper	Ounces Silver	Ounces Gold	Dollars	Dollars	Dollars	
DAP	XXX1	16600	6.5	15521	8.11	0.00	0.000	9.50	26.22	203.48	
	Charles Kapp, Royalty 10% (P.O. Box 1054, Salmon, Idaho)									20.35	
										183.13	

SILICA 53.6
ALUMINA 12.7
IRON 11.7
CaO 0

PAYMENT FOR METALS				TREATMENT	
Copper less .5	@ 24.344	Less Silica	$30.72	BASE	25.50
Silver	@	Less Oz		Add—12c for each 1% Iron	
Gold	@			Add—10% of sum of metal payments in excess of $15.00	
				Deduct—2.5c for each 1% Silica in excess of Alumina	
Date of Quotations 6/4/53				NET TREATMENT	9.50

An extra charge of $5.00 made for sampling all lots under ten tons.

Rates subject to change without notice.

Extensions and footings correct.

COPY

The Anaconda Co., Washoe Sampler

By

SUPERINTENDENT

F. 1568—3-62—5M.
Standard.

The Anaconda Company, Anaconda Sampler

RECEIVED FROM **E. T. Carlow and George Hammon** ANACONDA, MONTANA,

ADDRESS **Salmon, Idaho** July 31, 1962

MINE **Red Bird Mine - Ore** SMELTER LOT **B-636 (July a/c)**

CAR NUMBER	WEIGHTS			ASSAYS			TREATMENT CHARGE	PRICE PER TON	VALUE	Draft No.
	Pounds Gross	Per Cent Water	Pounds Dry	Per Cent Copper	Ounces Silver	Ounces Gold	Dollars	Dollars	Dollars	
1 Truck	16,800	1.50	16,548	7.52	0.55	.009	5.25	32.80	271.39	
Sampling Charge									5.00	
									266.39	
Lowell Nichol, Haul @ $10.00 per ton									84.00	
									182.39	
Charles Copp, Royalty @ 10%									18.24	
									164.15	

SILICA 60.9
ALUMINA 4.4
IRON 11.7
CaO 0.3

COPY

PAYMENT FOR METALS					TREATMENT	
Copper	Less .5%	@ 30.60¢	Less 3½c	30.05	BASE	5.25
Silver	None	@	Less 6c		Add—12c for each 1% Iron	
Gold	None	@			Add—10% of sum of metal payments in excess of $15.00	
					Deduct—2.5c for each 1% Silica in excess of Alumina	
Date of Quotations	7/20/62				NET TREATMENT	5.25

An extra charge of $5.00 made for sampling all lots under ten tons.

Rates subject to change without notice.

Extensions and footings corect.

The Anaconda Co., Anaconda Sampler

By J. H. McCann

METALLURGIST

F. 15154-B—7-57—5UM—7M.
Standard.

THE ANACONDA COMPANY

ANACONDA REDUCTION DEPARTMENT

ASSAY OFFICE

DATE [illegible]

[illegible]

[illegible] J. Dougherty

Order	Date of Sample	Lot	% H_2O	% Zn	% Pb	% Cu	Ozs. per Ton Ag	Ozs. per Ton Au	SiO_2		
1	7/30	[illegible]				[illegible]	[illegible]	[illegible]	[illegible]		
2	[illegible]	655				11.7	[illegible]	[illegible]	20.0		
3	[illegible]	655				17.6	3.10	.030	29.6		
					J	47.7	7.20	.054	124.6		
						15.9	2.40	.018			
Earl White											
Box 504											
Salmon, Idaho											

Chief Chemist

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

U.S. Government Messenger Envelope

65-106

NAME (OR TITLE) OF ADDRESSEE, AGENCY, ORGANIZATIONAL UNIT, ADDRESS, AND ROOM		NAME (OR TITLE) OF ADDRESSEE, AGENCY, ORGANIZATIONAL UNIT, ADDRESS, AND ROOM	
~~3PC~~ ~~2044 PCB~~	STOP		STOP
Mr. Zimmerki - PC Rm 3341 GS Bldg.	STOP	Mr. Rickerson Ontario Rm. 4460	STOP 43
~~Mr. Freeman LB~~	STOP		STOP
[redacted]	STOP		STOP
WM Ken Johnson Bldg. Room 10H [redacted]	STOP		STOP
MR. RON RESH - FA GS Bldg 5139	STOP		STOP
~~Chief Central Office Personnel Br. 1111 GS Bldg.~~	STOP		STOP
~~PMDS Administrative Officer DH~~	STOP		STOP
~~Mr. Hill GSA 5130~~	STOP		STOP
[illegible] DDRM	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.

INSTRUCTIONS FOR USE

1. Void Previously Used Block
2. Identify Agency of Addressee
3. Write Clearly
4. Send Surplus Envelopes to Supply Room for Reissue

NAME (OR TITLE) OF ADDRESSEE, AGENCY, ORGANIZATIONAL UNIT, ADDRESS, AND ROOM		NAME (OR TITLE) OF ADDRESSEE, AGENCY, ORGANIZATIONAL UNIT, ADDRESS, AND ROOM	
	STOP		STOP
	STOP		STOP
	STOP		STOP
	STOP		STOP
	STOP		STOP
	STOP		STOP
	STOP		STOP
	STOP		STOP
	STOP		STOP
	STOP		STOP

Use other side first

☆ U.S. GOVERNMENT PRINTING OFFICE: 1964—O-723-679

MME Form 52
Jan. 1959

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION

FOR GOVERNMENT USE ONLY
Operator
Docket No. OME –
Contract No. 14-23-090–
Contract Date

LIEN AND SUBORDINATION AGREEMENTS[1]

To the United States of America:

That certain land in the County of Lemhi, State of Idaho,

described as follows:[2] Described in lease — Dated and recorded in book 10, page 354, 354, 355, 355, and 356, Red Bird claim listed under Instrument No: 102634 (microfilm record)

~~Thomas L. Green~~

hereinafter called the "land", is the subject of a proposed exploration contract, hereinafter called the "Contract", between the United States of America, hereinafter called the "Government" and

Thomas L. Green[3]

hereinafter called the "Operator". In consideration for and as an inducement to the Government executing the Contract, the undersigned:

1. (a) Being the owner of an interest in the land, hereby grants to the Government a lien upon all of his right, title, and interest in the land and upon any production of minerals therefrom to secure the payment to the Government of the royalty on production provided for by the Contract, and agrees if the Operator's interest should be surrendered or terminated at any time prior to the expiration of the rights of the United States under said Contract to pay royalty to the Government according to the terms of said Contract; or

(b) Being the holder of a claim, lien, or encumbrance against the land, hereby subordinates his claim, lien, or encumbrance in or against the land and in any production therefrom to the rights of the Government under the Contract with respect to royalty on production and liens to secure same.[4]

2. Undertakes and agrees that property in which the Government may acquire an interest or equity under the Contract may be dismantled, severed from the land, and removed as may be provided in the Contract; and the Government's interest and equity in such property shall be prior and superior to any adverse right or claim of the undersigned.

3. Represents and undertakes that there is no claim, lien, or encumbrance upon the undersigned's right, title, claim, or interest in or against the land other than the following: (If "none" insert the word "none". Do not leave blank.)

None

1/ Production from the land is not required, and in the absence of production there is no obligation to pay royalty to the Government.

2/ Either (a) insert the legal description of the land, or (b) strike out the words "as follows" and insert "in a lease /or contract, deed, or other document/ dated _____, and recorded in Book _____, Page ____, official records of said county". If (b) is used, the book and page of recordation must be inserted above. If the space provided is insufficient, use an Annex and refer to the Annex in the space.

3/ Insert name exactly as it appears in the Application MME Form 40.

4/ Subparagraph 1(a) does not apply to the holder of a claim, lien, or encumbrance.

4. Undertakes and agrees (a) neither to commit any act nor assert any claim in conflict with the provisions of this Agreement; and (b) to give advance notice of the Government's rights under this agreement to any subsequent transferee, mortgagee, encumbrancer, or lessee of any of the undersigned's right, title, claim, or interest in or against the land or any production therefrom, furnishing the Government with two true copies of such notice; and

5. Consents to all amendments (including an agreement of termination) and assignments of the Contract without notice thereof, and undertakes and agrees that this agreement shall extend and apply thereto.

6. Added provisions None (State "None" or "See Annex No. ____".)

Dated this 12 day of Dec, 1966.

S. E. White.	(Seal)	Box 702 (Street) Salmon, Ida. (City & State)
Charles Kapp	(Seal)	Box 1054 (Street) Salmon Idaho (City & State)
	(Seal)	(Street) (City & State)
	(Seal)	(Street) (City & State)
	(Seal)	(Street) (City & State)
	(Seal)	(Street) (City & State)

I, Chas. Kapp & S. E. White (Name) certify that I am the Owners (Title—Secretary, etc.) of the corporation named herein; that Chas. Kapp & S. E. White (Name), who signed this agreement was then Owners (Title—Pres., Vice-Pres., etc.) of said corporation; that said agreement was duly signed for and in behalf of said corporation by authority of its governing body, and was within the scope of its corporate powers.

None (Corporate Seal)

MME Form 52
Jan. 1959

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION

FOR GOVERNMENT USE ONLY
Operator
Docket No. OME –
Contract No. 14-23-090–
Contract Date

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That certain land in the County of Lemhi, State of Idaho,

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hereinafter called the "land", is the subject of a proposed exploration contract, hereinafter called the "Contract", between the United States of America, hereinafter called the "Government" and Thomas L. Green[3] hereinafter called the "Operator". In consideration for and as an inducement to the Government executing the Contract, the undersigned:

1. (a) Being the owner of an interest in the land, hereby grants to the Government a lien upon all of his right, title, and interest in the land and upon any production of minerals therefrom to secure the payment to the Government of the royalty on production provided for by the Contract, and agrees if the Operator's interest should be surrendered or terminated at any time prior to the expiration of the rights of the United States under said Contract to pay royalty to the Government according to the terms of said Contract; or

(b) Being the holder of a claim, lien, or encumbrance against the land, hereby subordinates his claim, lien, or encumbrance in or against the land and in any production therefrom to the rights of the Government under the Contract with respect to royalty on production and liens to secure same.[4]

2. Undertakes and agrees that property in which the Government may acquire an interest or equity under the Contract may be dismantled, severed from the land, and removed as may be provided in the Contract; and the Government's interest and equity in such property shall be prior and superior to any adverse right or claim of the undersigned.

3. Represents and undertakes that there is no claim, lien, or encumbrance upon the undersigned's right, title, claim, or interest in or against the land other than the following: (If "none" insert the word "none". Do not leave blank.)

None

1/ Production from the land is not required, and in the absence of production there is no obligation to pay royalty to the Government.

2/ Either (a) insert the legal description of the land, or (b) strike out the words "as follows" and insert "in a lease [or contract, deed, or other document] dated _____, and recorded in Book _____, Page ____, official records of said county". If (b) is used, the book and page of recordation must be inserted above. If the space provided is insufficient, use an Annex and refer to the Annex in the space.

3/ Insert name exactly as it appears in the Application MME Form 40.

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4. Undertakes and agrees (a) neither to commit any act nor assert any claim in conflict with the provisions of this Agreement; and (b) to give advance notice of the Government's rights under this agreement to any subsequent transferee, mortgagee, encumbrancer, or lessee of any of the undersigned's right, title, claim, or interest in or against the land or any production therefrom, furnishing the Government with two true copies of such notice; and

5. Consents to all amendments (including an agreement of termination) and assignments of the Contract without notice thereof, and undertakes and agrees that this agreement shall extend and apply thereto.

6. Added provisions None (State "None" or "See Annex No. ____".)

Dated this 12 day of Dec, 1966.

S. E. White	(Seal)	Box 702 (Street) Salmon, Ida. (City & State)
Charles Kapp	(Seal)	Box 1059 (Street) Salmon Idaho (City & State)
	(Seal)	(Street) (City & State)
	(Seal)	(Street) (City & State)
	(Seal)	(Street) (City & State)
	(Seal)	(Street) (City & State)

I, Chas. Kapp & S. E. White (Name), certify that I am the Owners (Title—Secretary, etc.) of the corporation named herein; that Chas. Kapp & S. E. White (Name), who signed this agreement was then Owners (Title—Pres., Vice-Pres., etc.) of said corporation; that said agreement was duly signed for and in behalf of said corporation by authority of its governing body, and was within the scope of its corporate powers.

None
(Corporate Seal)

MME Form 52
Jan. 1959

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION

FOR GOVERNMENT USE ONLY
Operator
Docket No. OME –
Contract No. 14-23-090–
Contract Date

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Thomas L. Green [3]

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(b) Being the holder of a claim, lien, or encumbrance against the land, hereby subordinates his claim, lien, or encumbrance in or against the land and in any production therefrom to the rights of the Government under the Contract with respect to royalty on production and liens to secure same.[4]

2. Undertakes and agrees that property in which the Government may acquire an interest or equity under the Contract may be dismantled, severed from the land, and removed as may be provided in the Contract; and the Government's interest and equity in such property shall be prior and superior to any adverse right or claim of the undersigned.

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3/ Insert name exactly as it appears in the Application MME Form 40.

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6. Added provisions None (State "None" or "See Annex No. ____".)

Dated this 12 day of Dec., 19 66.

S. E. White	(Seal)	Box 722 Salmon, Ida.	(Street) (City & State)
Charles Kapp	(Seal)	Box 1054 Salmon Ida	(Street) (City & State)
	(Seal)		(Street) (City & State)
	(Seal)		(Street) (City & State)
	(Seal)		(Street) (City & State)
	(Seal)		(Street) (City & State)

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None
(Corporate Seal)

MME Form 52
Jan. 1959

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION

FOR GOVERNMENT USE ONLY
Operator
Docket No. OME –
Contract No. 14-23-090–
Contract Date

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6. Added provisions None (State "None" or "See Annex No.____".)

Dated this 12 day of Dec., 19 66.

S. E. White (Seal)	Box 702 (Street) Salmon, Ida. (City & State)	
Charles Kapp (Seal)	Box 1054 (Street) Salmon Ida (City & State)	
(Seal)	(Street) (City & State)	
(Seal)	(Street) (City & State)	
(Seal)	(Street) (City & State)	
(Seal)	(Street) (City & State)	

I, Chas. Kapp & S. E. White (Name) certify that I am the Owners (Title—Secretary, etc.) of the corporation named herein; that Chas. Kapp & S. E. White (Name), who signed this agreement was then Owners (Title—Pres., Vice-Pres., etc.) of said corporation; that said agreement was duly signed for and in behalf of said corporation by authority of its governing body, and was within the scope of its corporate powers.

None
(Corporate Seal)

MME Form 52
Jan. 1959

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION

FOR GOVERNMENT USE ONLY
Operator
Docket No. OME –
Contract No. 14-23-090 –
Contract Date

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Thomas L. Green[3]

hereinafter called the "Operator". In consideration for and as an inducement to the Government executing the Contract, the undersigned:

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(b) Being the holder of a claim, lien, or encumbrance against the land, hereby subordinates his claim, lien, or encumbrance in or against the land and in any production therefrom to the rights of the Government under the Contract with respect to royalty on production and liens to secure same.[4]

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3/ Insert name exactly as it appears in the Application MME Form 40.

4/ Subparagraph 1(a) does not apply to the holder of a claim, lien, or encumbrance.

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5. Consents to all amendments (including an agreement of termination) and assignments of the Contract without notice thereof, and undertakes and agrees that this agreement shall extend and apply thereto.

6. Added provisions None (State "None" or "See Annex No. ____".)

Dated this 12 day of Dec., 1966.

S. E. White (Seal)	Box 702 (Street) Salmon, Ida. (City & State)	
Charles Kapp (Seal)	Box 1059 (Street) Salmon Idaho (City & State)	
(Seal)	(Street) (City & State)	
(Seal)	(Street) (City & State)	
(Seal)	(Street) (City & State)	
(Seal)	(Street) (City & State)	

I, Chas. Kapp & S. E. White (Name) certify that I am the Owners (Title—Secretary, etc.) of the corporation named herein; that Chas. Kapp & S. E. White (Name), who signed this agreement was then Owners (Title—Pres., Vice-Pres., etc.) of said corporation; that said agreement was duly signed for and in behalf of said corporation by authority of its governing body, and was within the scope of its corporate powers.

None
(Corporate Seal)

MME Form 7
(2/63)

OFFICIAL FILE COPY

Date	Surname	Code
10/18	Kirkemo	120
		120
		110
		220

AIRMAIL

OCT 18 1967

Mr. Thomas L. Green
Box 1061
Salmon, Idaho 83467

Re: OME-6581 (Copper, Gold, Silver)
Thomas L. Green
Cardinal Claims
Lemhi County, Idaho

Dear Mr. Green:

Enclosed is the material you wished returned in the event the application was denied. Included are the following documents:

1 - Geologic and Assay Map - Copper Hill Mine, Lemhi County, Idaho. Scale 1" = 20'.

2 - Sketch Map - Copper Hill Mine on Redbird - Cardinal No. 1 and Cardinal No. 2, Lemhi County, Idaho. Scale: 1" = 40'.

3 - Assay Certificates - The Anaconda Company

Washoe Sampler - Sampler Lot 4756, dated November 22, 1957, and Sampler Lot 5924, dated June 17, 1958.

Anaconda Sampler - Smelter Lot B-686, dated July 31, 1962.

Anaconda Reduction Department, Assay Office - Hand Sample, dated August 19, 1964.

We are returning also the Lease and Option to Purchase Mining Property, 4 pages, and a claim map submitted with Mr. Thomas L. Green's letter to Mr. Frank E. Johnson, dated January 19, 1967.

Mr. Charles Kapp in a letter to us received October 9, 1967 requested return of maps and records which you submitted with the application. Mr. Kapp will be informed through a copy of this letter that the material is returned herewith to you. Any subsequent requests for the material should be made directly to you.

Sincerely yours,

FRANK E. JOHNSON

Frank E. Johnson
Chief, Office of
Minerals Exploration

Enclosures
cc: Charles Kapp
Box 1054
Salmon, Idaho 83467

cc: Director's Reading File
Division File
Economic Geology File
OME Docket
OME Reading File
Mr. Kirkemo
Region I w/return of F.O. docket
136
HKirkemo/bsl 10/18/67

23263

GS Form 7
(2/63)

OFFICIAL FILE COPY

Date	Surname	Code
10/11/67		120
"	Johnson	110
		120M
		120

October 11, 1967

Memorandum

To: The File

From: Assistant Chief, Office of Minerals Exploration

Subject: OME-6581 (Copper, Gold, Silver)
Thomas L. Green
Cardinal Claims
Lemhi County, Idaho

Mr. Charles Kapp, owner and agent for the Cardinal Claims, sent a rather ill-advised, undated letter to Mr. Frank E. Johnson, received October 9, 1967, alleging poor service from D. R. MacLaren prior to and during the field examination of the subject property on May 24, 1967. I have discussed the facts in the case with MacLaren and have determined that on or about the evening of May 23, 1967, prior to the examination of the subject property, Mr. Howard Sims visited Mr. and Mrs. D. R. MacLaren at the Herndon Motel, Salmon, Idaho. The visit lasted about 20 minutes and was for the purpose of discussing Mr. Sims' application on the Pope-Shenon Mine (Docket OME-6651), after which Mr. Sims departed. No further contact was made with Mr. Sims that evening. The "politician" referred to by Mr. Kapp in his letter no doubt was Mr. Sims.

Mr. MacLaren will send to us his copy of the subject docket and the material requested by Mr. Kapp will be returned by this office from MacLaren's file.

In the event a contract is executed with Mr. Sims, it would not be surprising to receive further letters from Mr. Kapp decrying the fact that his application was denied.

Harold Kirkemo

Harold Kirkemo

cc: Director's Reading File
Division File
Economic Geology File
OME Docket
OME Reading File
Mr. Kirkemo

HKirkemo/gla

23263

DEPARTMENT OF INTERIOR.
WASHINGTON D,C,
FRANK E. JOHNSON.

Denied

OME: 658I cu, gold, silver.
THOMAS L. GREEN
GARDNELL CLAIMS. LEMHI, COUNTY

DEAR SIR WE RECIVED YOUR, LETTER OF AUG, IO- 67
of turning down our applivation, on this properity, notice as you state you had gave this carefull studie, i suppose you found out i did not, wine, dine, your field man and futher i suppose you found out your fiels man did, contact a politison from your partie, and on this nite this poltion did wine and dine your field man,.
i ask your field manD,R, MAC LAREN if this applaciton is turned dowm i wanted our papers back, now we have waited, since aug io. for theses papers to be returned to us. i suppose it will take you politact another year to send them back, or do you want to hold them, to wave them in some ones face to say we turned this small feppow down,.
you aay you carefull stuided, our papers, did you know, we werer on the same vein, as the old producer, TORMEY, that produced for years, 1920- I924 THEN GOT TIED UP IN LAW. AND STILL IS?. the goverment eingeers, gave our joying properity last yeara patent on the west end, then the tormey, is pateted on the east end joing. of course these eingeeres took samples, looked the claims omer good, tha is more than we can say for your field, man mac laren, he spent mabe, one hour, never took sample, did no making, in fact, i told m tom green, this fellow after last nite visit to said politison, he has in hismind not to give out properity a chance,.
we ask for about ,500 ft, mac laren said two hundred,. our eingeer, map shows we should go at some I500 to get under our best eleven ft outcrop. then he want to stop us at 200 it apears to us, it is not what an outcrop is it is who you are, if you are a good politi son and on the wright partie, you get, finance, if not@..?
i know of two properites in lemhi county, that you fellows, financed, one did not have aney outcrop, no shipping record, they got finance,for $ around 25,000. the other one got finance through your office, good politson, fr om out of state, he run slusher drift did not put down rail, however you fellows paid as completed.
hell its agin i say it is not what you havem it is who you are,helll,no wrightness left in our rotten politicks.
now i ask you agin to send back all our papers, maps,.

charles kapp owner of the mine and i have paid out good moneys for those maps and papers, i want them back.

CHAR LES KAPP. BOX I054
SALMON IDAHO

OFFICIAL COPY
O. M. E.
RECEIVED
OCT 9 1967

INITIALS	CODE
BH	120
T.	120
FEJ	110
	130

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MME Form 7
(2/63)

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Date	Surname	Code
8/8/67	Kirkemo	120
"	Johnson	110
8/9	Davis	220
8/9	Pirelo	
		110
		220

AUG 10 1967

AIRMAIL

Mr. Thomas L. Green
Box 1061
Salmon, Idaho 83467

Re: OME-6581 (Copper, Gold, Silver)
Thomas L. Green
Cardinal Claims
Lemhi County, Idaho

Dear Mr. Green:

We have carefully studied your application for financial assistance in exploring the Cardinal claims and other information available to us. These data indicate that the probability of disclosing significant ore reserves is not sufficiently promising to justify Government participation in the proposed project. We regret, therefore, to inform you that your application is denied.

Thank you for your interest in the OME program.

Sincerely yours,

FRANK E. JOHNSON

(FK)

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
Mr. Kirkemo
130

HKirkemo/gla 8-8-67

23263

MME Form 7
(2/63)

OFFICIAL FILE COPY

Date	Surname	Code
8/8/67		120
"	Johnson	110
		220

August 8, 1967

Memorandum

To: The File

From: Assistant Chief, Office of Minerals Exploration

Subject: OME-6581 (Copper-Gold-Silver)
Thomas L. Green
Cardinal Claims
Lemhi County, Idaho

Justification for Denial

The facts supporting the four conclusions in the Field Officer's field examination report on this property justify his recommendation to deny the application. These are as follows:

1. Small lenticular bodies of ore similar to those mined in the past are the best that can be expected with further exploration. The average grade of about 89 tons of material shipped in 1957, 1958, and 1962 was 0.001 ounce gold and 0.48 ounce silver per ton, and 4.64 percent copper.

2. Small lenses of chalcopyrite occur erratically along zones of shearing. The possibilities of significant tonnages occurring in this type of deposit are small.

3. There is little possibility of secondary ore being present in appreciable quantities.

4. The possibility that one of the Applicant's claims is in conflict with a pre-existing valid claim may invalidate the Applicant's rights in the land where the exploration is proposed.

I agree with the Field Officer's recommendation to deny the application.

Harold Kirkemo

Harold Kirkemo

cc: Director's Reading File
Division File
Economic Geol. File
OME Docket
OME Reading File
Mr. Kirkemo

HKirkemo/gla 8-8-67

23263

MME Form 7
(2/63)

OFFICIAL FILE COPY

Date	Surname	Code
8/4		110
		220

Mr. Charles Kapp
P. O. Box 1054
Salmon, Idaho 83467

Re: OME-6581 (Copper-Gold-Silver)
Thomas L. Green
Cardinal Claims
Lemhi County, Idaho

Dear Mr. Kapp:

Your letter of recent date to the Office of Information, General Services Administration, Washington, D. C., concerning the subject application has been referred to this office.

We regret any delay in processing this application, however, failure of the applicant to furnish necessary information and snow condition at the property did not permit a field examination to be made until the latter part of May. As soon as we have had an opportunity to review the examiner's report on the property, which was just received, we will notify the applicant of our decision.

Sincerely yours,

FRANK E. JOHNSON

Frank E. Johnson
Chief, Office of
Minerals Exploration

cc: Director's reading file
Dividion file
Economic Geology file
OME file
OME reading file

FEJohnson/bih 8/4/67

Region I w/cys inc. ltrs.

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6581

John S
Dn.
7/24

CHARLES KAPP. OWNER OF, CARDINAL MINING CLAIMS.
BOX IO 54. SALMON IDAHO.
DEAR SLAKERS. COMMISE , OR GENTIALMEN.?.
THIS NOTE IS IN REGARD TO.OME-6581. COPPER, GOLD, SILVER. THOMAS L, GREEN.
CARDNIAL CLAIMS. LEMHI COUNTY. IDAHO.

OFFICE OF INFORMATION, GENERAL SERVIC ADMINSTRATION. WASHINGTON D.C. YOUR OFFICE ON MAY. 66. PUT OUT INFORMATION, ANE Y ONE INTERESTED OR HAVING COPPER, SHOULD APPLY FOR Q UESTI ONNAIR,. WE DONE SO, HOWEVER WE WERE INFORMED TO APPLY TO. OME, FOR FORMS. WE DONE SO ON SEPT, 1966. WE RECIVED FORMS, FILLED THEM OUT, HOWEVER, YOUR OFFICE FOUND, WE HAD NOT FIL LED THEM OUT SATISFACTORY, THEY WERE RETURNED TO US, WE DONE OUR BEST TO COMPLY TO YOUR SATSFACTORY,

FINALY, ON MAY, 26-67 THE SPOKANE OFFICE, CAME AND LOOKED OVER OUR, APPLACATION. CLAIMS. AND SO FORTH. WE WERE INFORMED . WE POSSIABLE WOULD HERE IN TWO WEEKS, MABE MONTH, NOW IT HAS BEEN, TWO MONTHS,JUST WHAT IS THE STALL. IF YOUR FELLOWS, WANT TO TURN THIS DOWN, WHY STALL, BE GENTALMEN, AND AT LEAST LET US KNOW, WHERE WE STAND,.

TTHE WAY I SEE THINGS IN OUR GOOD OLD U.S.A. IF WE WERE IN A FORN COUNTERY, OR IF LEMHI COUNTY WAS DECLAIRED A FORN NATION, CHRIST THE , OUR GOVERMENT WOULD PUT ON ALL KINDS OF PRESURE TO YOUTO NOT SLEEP NIGHTS, GET THIS MONEY OVER SEAS FAST THE COMMIES,NEED IT. AND FUTHER MORE. THIS LEMHI COUNTY IS MORE OR LESS A DEPREST AERA, SO EVEN A SMALL MINE EMPLOYMENT WOULD HELP.

WE FEEL AS THOUGH WE BEEN STALLED SINCE LAST SEPT, 1966,

we did not ASK FOR A LARGE AMOUNT OF MONEY, THINKING WE WERE HONEST TO APPLY FOR A SMALL AMOUNT, HOWEVER MABE WE WERE WRONG, IN THIS FOR THE GOVERMENT IS KIND OF LACKING, ON SMAL L AMOUNTS, IF WE HAD PRINTED FOR MILLIONS, IT PROBLEY WOULD OF WENT THROUGH FAST.

RESP, CHARLES KAPP. OWNER, AGENT FOR, CARDNELL MINES
TOM ,L GREEN.
BOX IB54
SALMON IDAHO

Charles Kapp

OFFICIAL COPY
O. M. E.
RECEIVED
AUG 4 1967
INITIALS | CODE
110

1968/69

RECEIVED
U. S. GEOLOGICAL SURVEY
AUG 2 9 05 AM 1967
OFFICE OF THE DIRECTOR

JUL 31 1967

Mr. Charles Kapp
Box 1054
Salmon, Idaho 83467

Dear Mr. Kapp:

Thank you for your letter concerning your application to the Office of Minerals Exploration for exploration assistance on your claims in Lemhi County. Since action on your application will be taken by the OME, we are referring your letter to that agency for reply.

Sincerely yours,

(Signed) Bob Ross

Bob Ross
Director
Operational Planning Division

GENERAL SERVICES ADMINISTRATION

Property Management and Disposal Service
Washington, D.C. 20405

JUL 31 1967

IN REPLY REFER TO:

Mr. William T. Pecora
Director
Geological Survey
Department of Interior
Washington, D. C. 20242

Dear Mr. Pecora:

We are forwarding for your direct reply the enclosed letter from Mr. Charles Kapp, concerning an application for copper, silver, and gold exploration assistance in the name of Thomas L. Green, Lemhi County, Idaho. A copy of our reply to Mr. Kapp of even date is also enclosed.

Sincerely yours,

Bob Ross

Bob Ross
Director
Operational Planning Division

Enclosure

Keep Freedom in Your Future With U.S. Savings Bonds

RECEIVED
U. S. GEOLOGICAL SURVEY
AUG 2 9 05 AM 1967
OFFICE OF THE DIRECTOR

OME

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION
GEOLOGICAL SURVEY
So. 157 Howard Street
Spokane, Washington 99204
August 1, 1967

OFFICIAL COPY
O. M. E.
RECEIVED
AUG 3 1967
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120
(Peterson)

Memorandum

To: Chief, Office of Minerals Exploration

From: Field Officer, Region I

Subject: Field Examination Report
OME-6581 (Copper-Gold-Silver)
Thomas L. Green
Cardinal Claims
Lemhi County, Idaho

LOCATION

The Cardinal claims are located in secs. 32 and 33, T. 21 N., R. 21 E. B.M., in the Eureka Mining District, near the crest of a high ridge north of Ferreau Creek. Adjacent to the east is the Torney mine.

PROPERTY AND PROPERTY RIGHTS

According to a Lease and Option Agreement dated October 21, 1966, the property comprises seven unpatented lode mining claims, recorded in the Lemhi County Courthouse as follows:

Claim	Book	Page
Red Bird	3	348
Cardinal	3	348
Cardinal No. 1	10	354
No. 2	10	354
No. 3	10	355
No. 4	10	355
No. 5	10	356

However, the position of the Cardinal claim within the group is not shown on a claim map submitted by the applicant with his letter of January 19, 1967. An attempt was made to clarify this matter with Messrs. Thomas L. Green and Charles Kapp, one of the lessors, who were both present during the inspection. Mr. Kapp was obviously confused and kept insisting there was no Cardinal claim. He agreed to

ON-SITE EXAM. RPT.

go to the courthouse and make a new claim map based on the location recordings. A new map was received May 31, 1967, with an undated letter from the applicant. The only difference between the two claim maps is that Cardinal Nos. 1 and 2 have changed places with each other--there is still no Cardinal claim.

Foreseeing something of this sort, the examiner spent about 1.5 hours at the Lemhi County Courthouse the morning of May 25, 1967. Locations of the Cardinal and Red Bird claims were recorded by Frank A. McCall on May 31, 1948. The descriptions indicate that the Cardinal claim is south of the Red Bird, extends 1,500 feet NW-SE and was "formerly known as the Rattle Snake claim and lies immediately south of the Red Bird."

Statements in the recordings are so confusing that a claim map cannot be constructed from them. For example: Cardinal No. 1 is said to be 400 feet in a westerly direction from the old Rattlesnake Creek, i.e., Cardinal claim, to be 1,500 feet long in a N-S direction with the Cardinal claim on the easterly side line. Cardinal No. 2 is said to be bounded by the Cardinal on the north and Cardinal No. 5 on the west. Cardinal No. 3 is said to be 1,500 feet long in a NW-SE direction, bounded by Cardinal No. 1 on the west and Cardinal No. 2 on the south. Of Cardinal No. 4 the recording states: "Adjoining claims are Cardinal Nos. 1, 2, 3, and Red Bird." Of Cardinal No. 5 it is said: "Adjoining claims are Cardinal on northerly side and Cardinal No. 2 on the easterly side." Some of these statements are found to be mutually exclusive and impossible to plot as described. The map is probably drawn as the locators intended the claims to relate one to another and the location recordings were carelessly prepared and for that reason may or may not be invalid.

Plate 1 is based on the applicant's claim map oriented so that the long axes of the E-W claims approximates the strike of the Kapp or Rattlesnake vein. In the field Kapp identified the center post of the Cardinal No. 1 east end line which was about 100 feet east of the center of the westernmost road curve shown on the applicant's Sketch Map of the Copper Hill Mine, scale 1" = 40'. This map is based on magnetic north and few, if any of the measured courses, were corrected for horizontal projections. His Geologic and Assay Map, scale 1" = 20', is based on true north and closely checks the Geologic Sketch and description of the Rattlesnake tunnel, given by Ross (1925, p. 34). Plate 1 is a composite compiled by starting at the known point on the east end line and plotting station 4 as found on the 1" = 40' sketch. The Rattlesnake Tunnel, called by the applicant the Cabin Tunnel, and by other operators the Copper Hill mine, was plotted from the 1" = 20' map, starting at station 40. All other features were taken from the 1" = 40' map and plotted on plate 1 using the portal of the Cabin Tunnel as a fixed reference point.

Plate 1 is therefore only approximately accurate but serves to show the general locations of various features relative to each other and to the claim boundaries.

GEOLOGIC SUMMARY

Rocks in the vicinity of the Cardinal claims and the adjacent Tormey mine are black and gray quartzitic slate and slaty quartzite. Bedding is indistinct but appears to have a general easterly dip and to be nowhere steeply inclined. There are two northwesterly striking shears, the Tormey shear which strikes N. 30° - 70° W. and dips 55° NE., and the Rattlesnake shear which strikes N. 60° W. and dips 50° SW. (Ross, 1925).

During the inspection the Earl Waite, Tom Green, and Cabin Tunnels were visited. Between the Tom Green and the Cabin Tunnel the bold outcrop shown on plate 1 was inspected. Due to the steepness of the slopes, in places between 30° and 35°, and the many blufflike outcrops, there was insufficient time to make a proper tie-in of the various tunnel portals.

The portal of the Earl Waite Tunnel is about 50 feet below a bold outcrop of quartzite in which there are copper-oxide stains in irregular patches and streaks. The Earl Waite Tunnel has been driven northerly for about 65 feet. Near the face in a sheared zone about 10 feet across there are lenses from 2 to 6 feet wide containing quartz, limonite, and copper oxide with some remnants of chalcopyrite. This structure strikes N. 75°-80° W. and dips 60° NE., and has been followed down by a 20-foot winze. A dump sample taken in August 1964 by J. J. Dougherty, assayed 0.02 ounce gold and 3.10 ounces silver per ton and 17.6 percent copper. About 25 feet above the Earl Waite is a tunnel 15 feet long that cut a shattered brecciated zone 2 or 3 feet wide, striking N. 35° - 40° W. and dipping 45° - 50° NE. The zone is well filled with limonite containing eyes of quartz and a few weak copper-oxide stains.

The Tom Green Tunnel cut a shear zone, believed to be the Tormey, near the face where a winze has been put down 50 feet. Bad ground around the winze prevented a close inspection of the mineral-bearing zone which appeared to have a northwesterly strike and a northerly dip. Considerable limonite and some copper-oxide staining were seen in the tunnel while on the dump some pieces were found to contain small remnants of pyrite and chalcopyrite.

At two places within a bold outcrop small lenses of quartz with light copper staining were seen in a shear zone of indeterminate width. No reliable strike and dip could be measured. Between this locality and the outcrop above the Earl Waite Tunnel is another bold outcrop in which limonite and copper-oxide stains can be seen. The

three outcrops appear to line up fairly well but that the copper-oxide stains are related to the structures whose attitudes were measured in the Earl Waite Tunnel or the one 25 feet above it is impossible due to differences in altitude and direction of strike and dip of the veins.

About 57 feet above the Cabin Tunnel a short crosscut exposes a copper-oxide stained shear zone that contains small veinlets and pods of quartz and occasional remnants of chalcopyrite. The shearing strikes N. 50°-55° W. and dips 55° NE. In 1958, 7.7605 SDT of ore are said to have been shipped from this tunnel; a Washoe Sampler settlement sheet shows this shipment had a grade of 0.01 ounce gold and 0.80 ounce silver per ton and 8.11 percent copper.

The Cabin Tunnel cuts three shear zones, one at 130 feet, one at 184 feet and one at 210 feet from the portal. The former strikes N. 50° W. and dips 50° NE. Six samples, each representing a width of 5 feet, were taken across a zone width of 30 feet by Claude E. Barren, Geologist, who mapped this tunnel and the one above it in 1962. The assays range in grade from 0.24 to 0.76 percent copper and indicated an average grade of 0.50 percent copper. There is little doubt that this is the same shear zone found in the tunnel 57 feet above this level.

The second shear zone in the Cabin Tunnel strikes N. 50° W. and dips 48° NE. A channel sample taken by Barren assayed 4.28 percent copper across a width of 1.4 feet. Neither this zone nor the first zone looked particularly impressive. Copper-oxide stains were limited to small patches and thin streaks irregularly scattered within the shear zones. No chalcopyrite was noted and the assays of samples from the first zone do not indicate its presence; that from the second zone suggests that some copper sulfide mineral was present in small amounts.

The third shear zone strikes about N. 60° W. and dips 50°-55° NE. Ross (1925) indicates in his text and on his sketch that the dip is to the SW. In 1962 a small stope 15-20 feet long and up to 5 feet wide was mined to about 10 feet above the level, and clearly indicates a NE. dip. In the face of a short drift driven southeasterly from the tunnel there is a lenticular body of chalcopyrite not more than a foot wide and pinching out before it reaches the stope. A sample taken by Barren assayed 19.04 percent copper over a width of 0.7 foot.

The third shear zone is the strongest of the three and apparently contains the largest lens of chalcopyrite, and the least amount of copper oxides. Although the relative locations of the Earl Waite and Cabin Tunnels shown on plate 1 are known to be incorrect, it is still doubtful that the structures in each can be correlated.

Differences in strikes and dips are small enough to be correlated, but since the Earl Waite Tunnel is about 200 feet higher than the Cabin Tunnel, the latter would have to be between 120 and 170 feet farther north relative to the former before any correlation could be made. The error could be this much since Green and Kapp stated that they made their measurements mostly parallel to the surface without correcting for vertical angles, but I am unwilling to make such a correlation without more accurate maps.

The tunnel continues beyond the third shear zone but has either caved or been backfilled.

Where seen by the examiner, ore occurs in lenses and irregular thin bands of chalcopyrite associated with quartz and pyrite. The sulfides are oxidized near the surface, but oxidation is pretty well lacking at 75 to 100 feet below the surface.

Unfortunately, workings at the Tormey mine within about 0.5 mile of the Cabin Tunnel were caved tight and could not be entered. However, they were examined by Joseph B. Umpleby in 1910 and by Clyde P. Ross in 1923.

Umpleby (1913) says on page 154: "In general these deposits are poorly defined, within them scattered bunches and films of chalcopyrite, in many places changed to bornite, malachite, or azurite, constitute the principal mineralization." On page 159, referring specifically to the Tormey Group, he says: "Development consists of two tunnels, each about 225 feet deep, and several small prospect openings. The tunnels are about a half mile apart and on two different lodes . . . the ore occurring along a disturbed zone as small quartz veins, as fillings of the interstices, and as impregnations in the schist.

"The deposits strike N. 35°-60° W. and dip northeast at high angles. Rather sparsely and irregularly scattered through the lode material are pyrite usually changed to limonite, and chalcopyrite usually altered to malachite, azurite, or bornite."

Referring to the Greenhorn Tunnel Ross (1925, p. 33-34) says: "No ore is visible in the first 270 feet of the tunnel or in the face, but there are two stretches 50 feet and 40 feet long in which ore shows in the back of the tunnel. In the space between these stretches there are some bunches of ore. Stopes extend most of the way from a point near the face of the tunnel to a point 120 feet from the face and for a few score of feet above the tunnel. The stopes are nowhere more than a few feet wide, but the exposures in them and in the crosscut at the end of the tunnel appear to indicate that a considerably greater width of ore suitable for concentration may be found on further development. The ore consists of chalcopyrite

and pyrite in a gangue of quartz and altered slate . . . Some of the ore in surface exposures is oxidized. The oxidization and enrichment noted are so small in amount as to be of little commercial consequence."

PRODUCTION

Between 1911 and 1922 the entire production of copper ore from Lemhi County was 22,306 SDT yielding 1,027.87 ounces gold, 7,346 ounces silver, and 1,685,230 pounds copper. Of this, the Tormey mine produced 213 SDT yielding 0.69 ounce gold, 116 ounces silver, and 80,161 pounds copper. Production from the Tormey mine since 1922, recorded by the Bureau of Mines, is 1,120 SDT yielding 3.0 ounces gold, 373 ounces silver and 118,293 pounds copper. Bureau records also show some production from the Red Bird-Cardinal-Copper Hill mine (Cabin Tunnel area) for the years 1957 and 1962 in the amount of 81 tons yielding 1.0 ounce gold, 36.0 ounces silver, and 6,900 pounds copper.

Three settlement sheets accompanied the application and from the ore sources furnished by Green and Kapp the one dated November 22, 1957, accounts for 6 tons of hand-sorted ore collected from various surface dumps at pits, open cuts and the tunnel 57 feet above the Cabin Tunnel; it is included in the Bureau figures. The one dated June 17, 1958, accounts for 8.3 tons yielding 0.08 ounce gold, 6.64 ounces silver, and 1,346 pounds copper; this shipment apparently was not reported to the Bureau. The settlement sheet dated July 31, 1962, accounts for 8.4 tons of ore taken out of the stope in the third of the Cabin Tunnel shear zones and is included in the Bureau figures. Recorded shipments from the two adjacent claim groups are tabulated:

Year	Short Dry Tons	Ounces Gold	Ounces Silver	Pounds Copper	Source of ore
1918-1922	213.00	0.69	116.00	80,161	Tormey mine
1924	1,000.00	3.00	331.00	103,402	do.
1925	120.00	0.00	42.00	12,891	do.
1957	6.00	0.00	5.00	800	Sorted from dumps at pits, cuts, 57' above Cabin Tunnel.
1958	8.30	0.08	6.64	1,346	57' above Cabin Tunnel.
1962	75.00	1.00	31.00	6,100	Stope - Cabin Tunnel.
Total	1,422.30	5.77	531.64	206,700	Both properties
Total	89.3	0.08	42.64	8,246	Cardinal claims

On the basis of the recorded production, ore from the Tormey mine has an average grade of 0.004 ounce gold and 0.37 ounce silver per ton, and 7.27 percent copper; that from the applicant's claims has an average grade of 0.001 ounce gold and 0.48 ounce silver per ton, and 4.64 percent copper.

CONCLUSIONS

First, it is concluded that errors in the Notices of Location filed at the Lemhi County Courthouse may possibly have made the locations invalid. BLM tells me that the mere fact of confusing and mutually contradictory entries on the declarations would not necessarily make the claims invalid, but if, as the applicant's claim map indicates, his claims are staked over the Cardinal and the Cardinal claim is still valid, there could be grounds for invalidating Cardinal Nos. 1 through 5.

Second, it is concluded that although there are lenses of chalcopyrite occurring along zones of shearing, they occur erratically and are for the most part small.

Third, it is concluded that oxidation of sulfide minerals has not progressed sufficiently to suggest the formation of significant amounts of secondary ore.

Finally, it is concluded that the fact that only 89 tons of ore was mined, when attempts to mine were made in 1957, 1958, and 1962, indicates that small lenticular bodies of ore similar to those described by Umpleby (1913) and Ross (1929) are the best that could be expected, and that the chance of making a significant discovery of copper ore is less than fair.

RECOMMENDATIONS

It is recommended that the application be denied.

D. R. MacLaren

Enclosure
Distribution:
OME
USGS(SRO)
Docket
MacLaren

BIBLIOGRAPHY

Umpleby, Joseph B. (1913), Geology and ore deposits of Lemhi County, Idaho: U. S. Geol. Survey Bull. 528, p. 155-159.

Ross, Clyde P. (1925), The copper deposits near Salmon, Idaho: U. S. Geol. Survey Bull. 774, p. 32-34.

OME

OFFICIAL COPY
O. E.
REC
MAY 15
INTE
120 M
~~110~~
120 P

GEOLOGICAL SURVEY
So. 157 Howard Street
Spokane, Washington 99204
May 12, 1967

Mr. Charles Kapp
Copper Mt. Mine
P. O. Box 1054
Salmon, Idaho 83467

Re: OME-6581 (Copper-Gold-Silver)
Thomas L. Green
Cardinal Claims
Lemhi County, Idaho

Dear Mr. Kapp:

Thank you for your letter of May 9, 1967. I plan to be in the Salmon area during the week of May 22. With luck, I will be in Salmon the evening of the 23rd and will telephone you when I arrive to arrange for an inspection of the Cardinal Claims on the 24th.

Mr. Green as the applicant or you as his agent should accompany me.

Sincerely yours,

D. R. MacLaren
Field Officer, OME
Region I

DRMacLaren/mls

cc: OME w/cpy incoming

Director's Reading File

[illegible]

[illegible]

[illegible]

DEAR SIR

[illegible] O.M.B. APPLICATION FOR LOAN [illegible] CARDINAL GROUP [illegible] AS I HAVE THIS RETURNED FROM [illegible] IN LEARNING A CHARGE [illegible] YOU THIS DAY PLACED IN THE LINE [illegible] NOT [illegible] PHONE CALL INSTEAD.

THIS DATE, THE SURPLUS ON THE ABOVE CLAIMS ALL CLOSE OF SALES DO NOT [illegible] TO MEET [illegible] YOU TO SEE THE [illegible] SHOW. SO LOOK SEE.

[illegible] YOU PLEASE REPLY RETURN MAIL OR [illegible] COLL [illegible] SHOW NO 151 756 [illegible]

Deep

CHARLES [illegible]

RECEIVED
MAY 12 1967

OME

GEOLOGICAL SURVEY
So. 157 Howard Street
Spokane, Washington 99204
February 23, 1967

Mr. Thomas L. Green
Box 1061
Salmon, Idaho 83467

Re: OME-6581 (Copper, Gold, Silver)
Thomas L. Green
Cardinal Claims
Lemhi County, Idaho

Dear Mr. Green:

It will be advisable in order to make a proper examination relative to your OME application to look at some of the croppings of the structure you wish to explore.

If you will notify me when the snow is gone, I will arrange to visit the property as soon as possible thereafter.

Sincerely yours,

D. R. MacLaren
Field Officer, OME
Region I

DRMacLaren/mls

cc: OME

Director's Reading File

MME Form 7
(2/63)

OFFICIAL FILE COPY

Date	Surname	Code
2/16/67	Peterson	120
	On leave	120
		110
2/16	cal	220
		120M

FEB 16 1967

AIRMAIL

Mr. Thomas L. Green
Box 1061
Salmon, Idaho 83467

Re: OME-6581 (Copper, Gold, Silver)
Thomas L. Green
Cardinal Claims
Lemhi County, Idaho

Dear Mr. Green:

This will acknowledge receipt of Mr. Herndon't letter of February 13 enclosing additional data needed to continue the processing of the subject application.

As we notified you on January 18, the application has been referred to Mr. D. R. MacLaren, OME Field Officer in Spokane, Washington, for further processing. Mr. MacLaren will notify you in case additional information concerning the application is needed.

Sincerely yours,

FRANK E. JOHNSON

Frank E. Johnson
Chief, Office of
Minerals Exploration

Copy to: Mr. James C. Herndon
Herndon Hotel Block
Salmon, Idaho 83467

cc: Director's Reading File
Division File
Economic Geology File
OME Docket
OME Reading File
OME Region I w/cy Mr. Herndon's letter 2/13/67 and encls.
Mr. Peterson

ECPeterson/gla 2-16-67

23263

JAMES C. HERNDON
LAW OFFICES OF
~~XXXXXXXXXXXXXXXXXXXX~~
HERNDON HOTEL BLOCK
SALMON, IDAHO 83467

MAILING ADDRESS
POST OFFICE BOX 789

TELEPHONE 756-2412
AREA CODE 208

OFFICIAL COPY
O. M. E.
RECEIVED
FEB 16 1967

INITIALS	CODE
	120
	110
	120

Feb. 13, 1967

United States Department of the Interior
Office of the Minerals and Exploration - Geological Survey
Washington 25, D. C.

Attention Frank E. Johnson, Chief-Office of Minerals Exploration

Dear Mr. Johnson:

RE: OME-6581 (Copper, Gold, Silver)
Thomas L. Green-Cardinal Claims
Lemhi County, Idaho

Mr. Thomas L. Green has asked that I answer your letter of January 18, 1967.

The Cardinal Mining Claims are located some 2000 feet northeast of the saddle of the ridge between Perrault Creek and Williams Creek, in the Eureka Mining District, in Lemhi County, Idaho, and the vicinity of Section 33, Township 21 North, Range 21 East of the Boise Meridian.

The exact meets and bounds description is not immediately available but it can be furnished if requested.

Enclosed is the correspondence with two area banks showing that both banks were not willing to loan money for mining exploration. Enclosed are the following letters:

Letter requesting a loan from the Salmon Branch, Idaho First National Bank, Salmon, Idaho;

Letter of refusal for the loan from the Idaho First National Bank;

Letter to the Custer County Bank, Challis, Idaho, for a loan;

Letter of refusal from the Custer County Bank.

If any other information is needed, please contact me.

Very truly yours,

James C Herndon

JAMES C. HERNDON

JCH:FB

SETH BURSTEDT, PRESIDENT
N. W. HANSEN, VICE-PRESIDENT
FRANK BURSTEDT, EX. VICE-PRES.
ADRIAN BURSTEDT, CASHIER
MARY MEYERS, ASST. CASHIER

Custer County Bank

92-297

CAPITAL AND SURPLUS $150,000.00

Challis, Idaho

2-8-67

Mr. James C. Herndon
Attorney at Law
Salmon, Idaho

Dear Mr. Herndon: Re: Green-Kapp-White
Cardinal Group Mining Claims

It is not our policy to lend money for mining development. Therefore, your request for a loan for Mr. Earl White, Mrs. Charles Kapp and Mr. Thomas L. Green in the amount of $23,000.00 will have to be turned down.

Very truly yours,

Frank Burstedt

Frank Burstedt

JAMES C. HERNDON

LAW OFFICES OF
XXXXXXXXXXXXXXXXXXXX
CHARLES HERNDON

HERNDON HOTEL BLOCK

SALMON, IDAHO

P. O. BOX 209 SAY_INT 6-2402

Feb. 7, 1967

Idaho First National Bank
Salmon Branch
Salmon, Idaho

Attention Mr. W. G. Ferrier, Manager

Dear Mr. Ferrier: RE: Green-Kapp-White Cardinal Group Mining Claims

Mr. Earl White and Mr. Charles Kapp, owners of the above mentioned mining claims, and Mr. Thomas L. Green, Lessor, have asked me to contact you concerning a loan for development of the above claims, known as the Copper Mountain Mine.

My clients need a loan of $23,000.00 to put in about 500 feet of drift in connection with the Copper Mountain Mine.

Would your bank consider a loan with the proper collateral to develop this property? If. So, what would you consider as proper collateral?

Very truly yours,

JCH:fb

JAMES C. HERNDON

SALMON OFFICE

The Idaho First National Bank

BOX 100 83467

SALMON, IDAHO
February 8, 1967

Mr. James C. Herndon
Attorney-at-Law
Salmon, Idaho

Dear Jim:

Thomas Green inquired a few weeks ago regarding a development loan in connection with this property he and Mr. Kapps are interested in. The bank is not in a position to participate in development of mining property such as this, so we would not be interested in granting credit in the amount of $23,000.00 to help them put this drift in the Copper Mountain Mine.

We believe there are Government funds available for this sort of help and feel with this letter they will be in a position to ask for some of this aid. If something further is needed, will you please contact us?

Yours very truly,

W. G. Ferrier
Manager

WGF:ar

JAMES C. HERNDON

LAW OFFICES OF

~~XXXXXXXXXXXXXXXXXXXX~~

HERNDON HOTEL BLOCK

SALMON, IDAHO

P. O. BOX 206 SKYLINE 6-2422

February 7, 1967

Custer County Bank
Challis, Idaho

Attention Frank Burstedt, Manager

Dear Mr. Burstedt: RE: Green-Kapp-White Cardinal Group Mining Claims

Mr. Earl White and Mrs. Charles Kapp, owners of the above mentioned mining claims, and Mr. Thomas L. Green, Lessor, have asked me to contact you concerning a loan for development of the above claims, known as the Copper Mountain Mine.

My clients need a loan of $23,000.00 to put in about 500 feet of drift in connection with the Copper Mountain Mine.

Would your bank consider a loan with the proper collateral to develop this property? If, so, what would you consider as proper collateral?

Very truly yours,

JCH:fb

JAMES C. HERNDON

MME Form 7
(2/63)

OFFICIAL FILE COPY

Date	Surname	Code
1/18/67	Peterson	120
"	Kuhemann	110
1/19	cal	220
		120M

JAN 18 1967

AIRMAIL

Mr. Thomas L. Green
Box 1061
Salmon, Idaho 83467

Re: OME-6581 (Copper, Gold, Silver)
Thomas L. Green
Cardinal Claims
Lemhi County, Idaho

Dear Mr. Green:

Thank you for your letter of January 19, 1967, in which you forwarded additional information in response to our request of November 2, 1966.

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 note that the Cardinal claim was not shown on the sketch furnished. Please advise us of its location.

Your application is now being referred to Mr. D. R. MacLaren, Field Officer, Region I, Office of Minerals Exploration, U. S. Geological Survey, South 157 Howard Street, Spokane, Washington 99204.

Mr. MacLaren will notify you in case additional information, other than what we have requested, concerning the application is needed.

cc: Director's Reading File
Division File
Economic Geology File
OME Docket
OME Region I
OME Reading File
Mr. Peterson

Sincerely yours,

FRANK E. JOHNSON

Frank E. Johnson
Chief, Office of
Minerals Exploration

ECPeterson/gla 1-18-67

23263

MME Form 7
(2/63)

OFFICIAL FILE COPY

Date	Surname	Code
1/18/67	Peterson	120
1/18/67	Kirkemo	110
		220
		120M

AIRMAIL

JAN 18 1967

Memorandum

To: Field Officer, Region I

From: Chief, Office of Minerals Exploration

Subject: OME-6581 (Copper, Gold, Silver)
Thomas L. Green
Cardinal Claims
Lemhi County, Idaho

We are referring the subject application to you for further consideration, a field examination if warranted, and recommendations.

The Applicant has submitted most of the information requested in our letter of November 2, 1966. Still lacking, however, are copies of his correspondence with the two banks requesting an exploration loan. Also, the Cardinal Mining claim was not shown on the sketch submitted. We have again requested this information from Mr. Green.

We agree that the assay information listed on the smelter settlement sheets is interesting, and a field examination of the property is indicated. Estimated costs for the underground work appear to be high, and no allowance for analytical work was included in the estimate.

For your records, we are enclosing a copy of the material submitted by the Applicant in response to our letter of November 2.

FRANK E. JOHNSON

Frank E. Johnson

Enclosures

cc: Director's Reading File
Division File
Economic Geology File
OME Docket
OME Reading File
Mr. Peterson
130

ECPeterson/gla 1-18-67

23263

MME Form 7
(2/63)

OFFICIAL FILE COPY

Date	Surname	Code
12/30	Paterson	120
	On leave	120
		110
12/30		220
		120M

DEC 30 1966

AIRMAIL

Mr. Thomas L. Green
Box 1061
Salmon, Idaho

Re: OME-6581 (Copper, Gold, Silver)
Thomas L. Green
Cardinal Claims
Lemhi County, Idaho

See letter 1/19/67 reply left hand side

Dear Mr. Green:

On November 2, 1966, we wrote you outlining certain information which was necessary to continue the processing of your application. To date, we have not had a reply to our letter. Will you please inform us of your plans regarding the application. If you have decided not to pursue it further, will you please so inform us.

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 Region I
OME Reading File
Mr. Peterson

GLAult/a 12-30-66

23263

GEOLOGICAL SURVEY
So. 157 Howard Street
Spokane, Washington 99204
November 28, 1966

Mr. Charles Kapp
Copper Mt. Mine
P. O. Box 1054
Salmon, Idaho 83467

Re: OME-6581 (Copper, Gold, Silver)
Thomas L. Green
Cardinal Claims
Lemhi County, Idaho

Dear Mr. Kapp:

Upon receiving an application for OME assistance a check is made for its completeness and one copy is sent to our Washington office. It some times happens that an applicant submits three copies in which case the extra copy is retained in our files.

In the case of the application to which you refer in your letter dated November 17, 1966, it was necessary for us to make Thermo-Fax copies of some of the supporting documents including the lease and option. Had more than one copy been received, we would not have done this. There is no extra copy of the application in our files here.

A copy of your letter and this reply will be forwarded to our Washington office. If by chance there were extra copies of the lease and option and the application which might have been forwarded inadvertently, they will be returned.

On November 23, 1966, we sent you a set of six MME Form 52's and a set of three MME Form 40's as requested in your letter of November 19, 1966.

Sincerely yours,

D. R. MacLaren
Field Officer, OME
Region I

DRMacLaren/mls

cc: OME w/cy incoming

Director's Reading File

[illegible] MT MINE, BOX 1054
[illegible]ALMON IDAHO. 11-17-66

[illegible] GEOLOGY SURVEY
MR. [illegible], MAC, [illegible].
[illegible] WASHINGTON.

DEAR SIR, ON AUGUST [illegible] I [illegible] YOU IN REGARD TO GOVERNMENT [illegible] WE SENT [illegible] PAPERS TO OUR OFFICE [illegible]
[illegible] I TURNED THIS CONTRACT OVER TO A TOWAS [illegible], OF SALMO IDAHO HE FILLED [illegible] AND HE [illegible] MAIL THIS CONTRACT, TO OUR OFFICE.
[illegible] ALL PAPERS [illegible] FILLED OUT, INCLUDING, OUR LEASE, OPTION.
AND MR. [illegible] SENT ALL PAPERS TO YOUR OFFICE, WELL.
[illegible] OF THE LEASE [illegible] SENT ALL THREE COPYS, PLUS
[illegible] US., NOW I WONDER IF NOT [illegible] YOU COULD LOOK THIS UP
[illegible] LEASE OPTION. AND [illegible] FOR US TO KEEP ON HAND
[illegible] AND, [illegible] ISTAKES, [illegible].

[illegible] YOURS

/S/ Charles Kapp

P.S. Form 52 Wanted.

RECEIVED
NOV [illegible]

MMB Form 7
(2/63)

OFFICIAL FILE COPY

Date	Surname	Code
11/2	Peterson	120 P
11/2/66	Kirkemo	120
		110
11/2	Cole	320
		120 P

AIRMAIL

NOV 2 1966

Mr. Thomas L. Green
Box 1061
Salmon, Idaho

Re: OME-6581 (Copper, Gold, Silver)
Thomas L. Green
Cardinal Claims
Lemhi County, Idaho

Dear Mr. Green:

A preliminary review of your application for financial assistance to explore the subject property shows that additional information is required to continue its processing.

The information needed is listed below under the same headings as listed on the back of the application form (MME Form 40).

1. Financial Eligibility:

(a) Submit copies of your correspondence with the two banks requesting an exploration loan.

(b) Please clarify if the application is for an individual or a partnership. We note on the front of the application form under Business Organization that you have checked partnership. If this is correct, please furnish us with names, addresses, and titles of the partners.

(c) You indicate that your share of the project costs would be contributed by the labor furnished by you and 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. As the Government will participate only to the extent of 50 percent of the allowable costs of the proposed project, we must have some assurance that you have other means to furnish your share of the costs in the event of an exploration contract.

2. Applicant's Rights in Land:

(c) Submit five copies of Lien and Subordination Agreements (MME Form 52) signed by Charles Kapp and Samuel E. White, the owners of the subject group of claims.

23263

3. Physical Description:

(g) Clarify if the two maps included with the application are the reports referred to by you under this item.

5. Exploration Work:

Submit a claim map showing the claim boundaries and the relation of present mine workings and the proposed work to these boundaries.

This request for additional information should not 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
GME Docket
GME Reading File
Region I
Peterson

ECPeterson/mm (11/2/66)

October 28, 1966

Mr. Thomas L. Green
Box 1061
Salmon, Idaho

Subject: OME-6581

Dear Mr. Green:

Your application for exploration assistance, dated October 15, 1966, submitted to our office at Spokane, Washington, has been assigned Docket No. OME-6581.

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

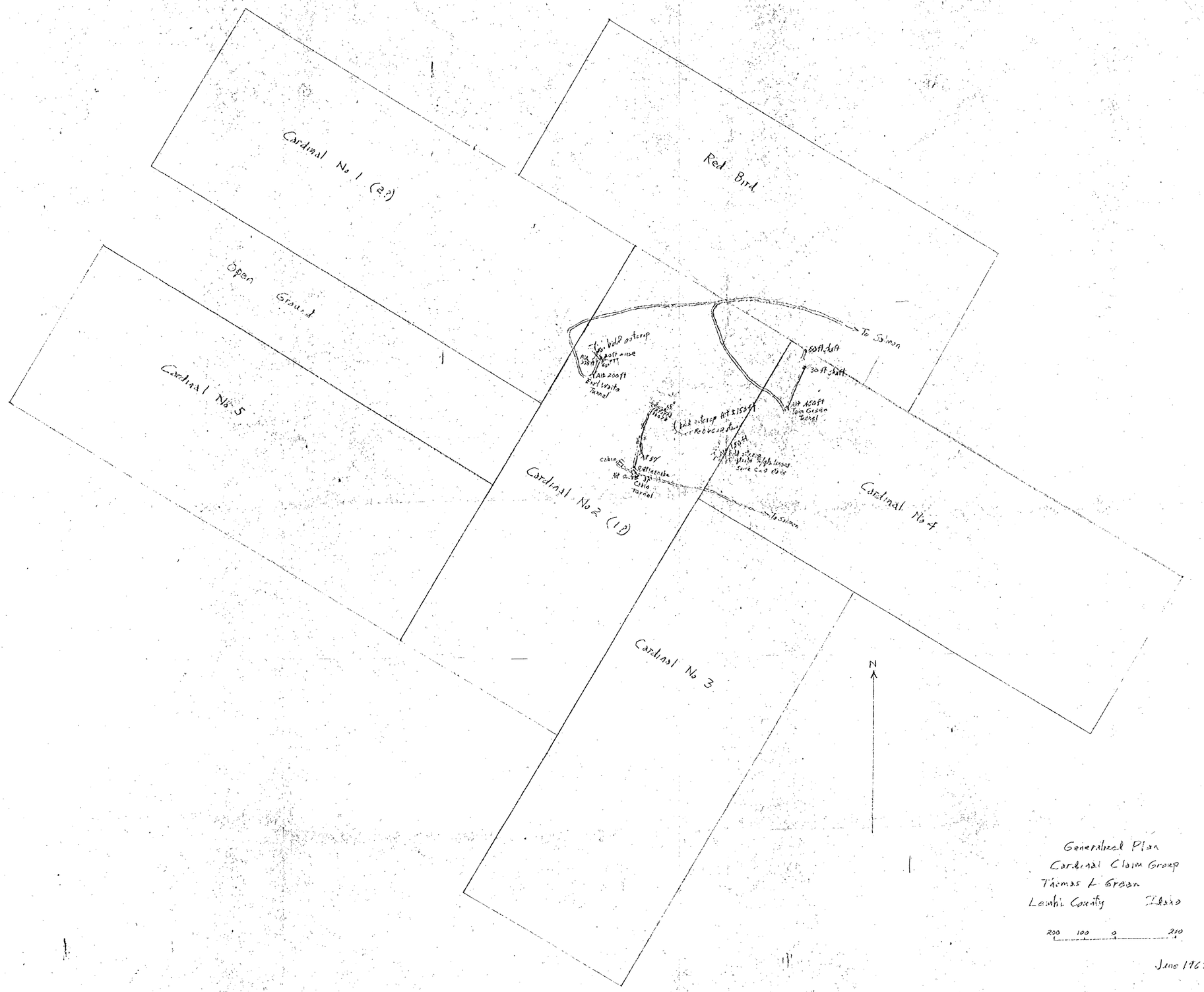
Sincerely yours,

Frank E. Johnson
Chief, Office of
Minerals Exploration

Copy t Region I

Department of the Interior
Geological Survey

OME-6581

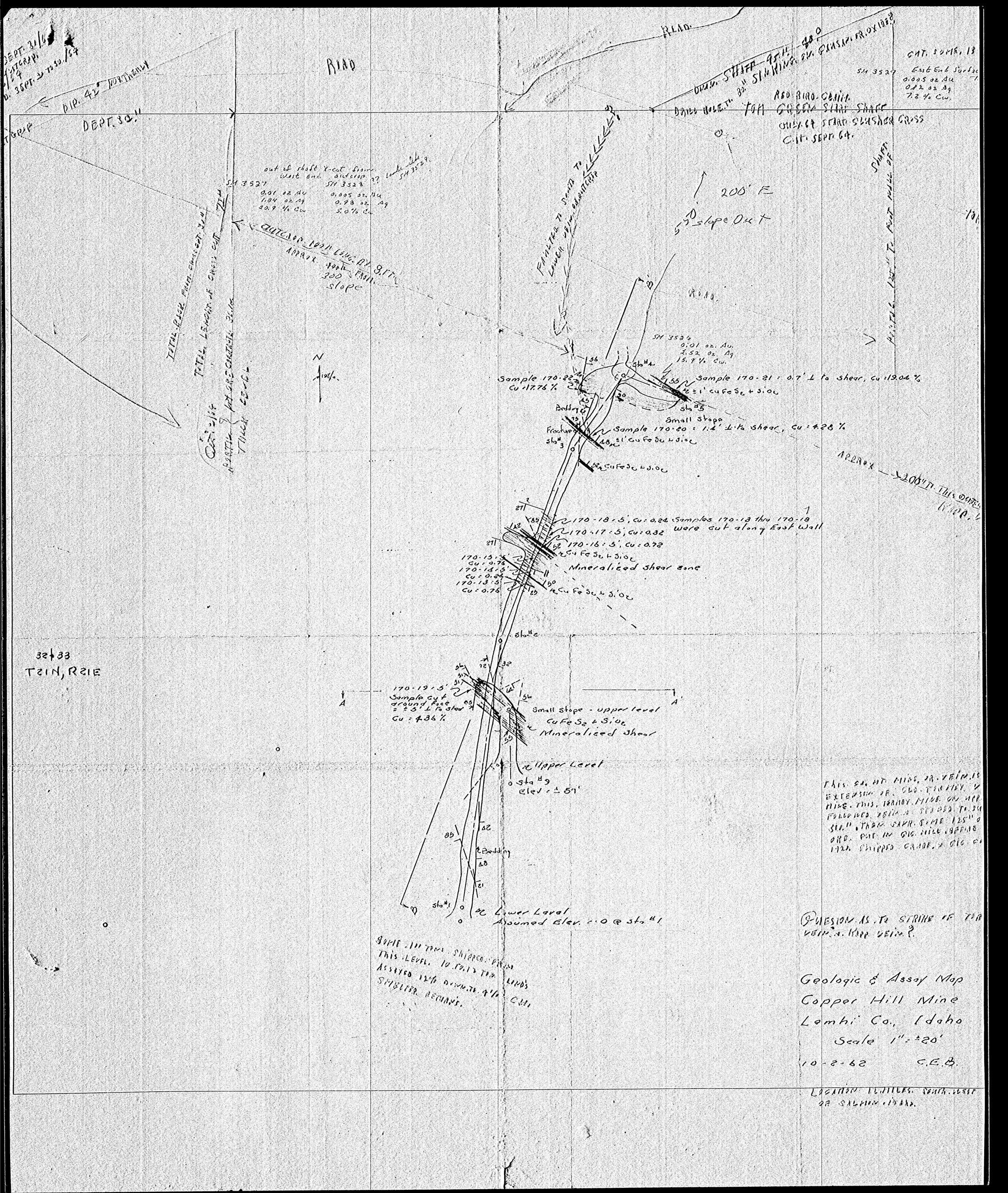


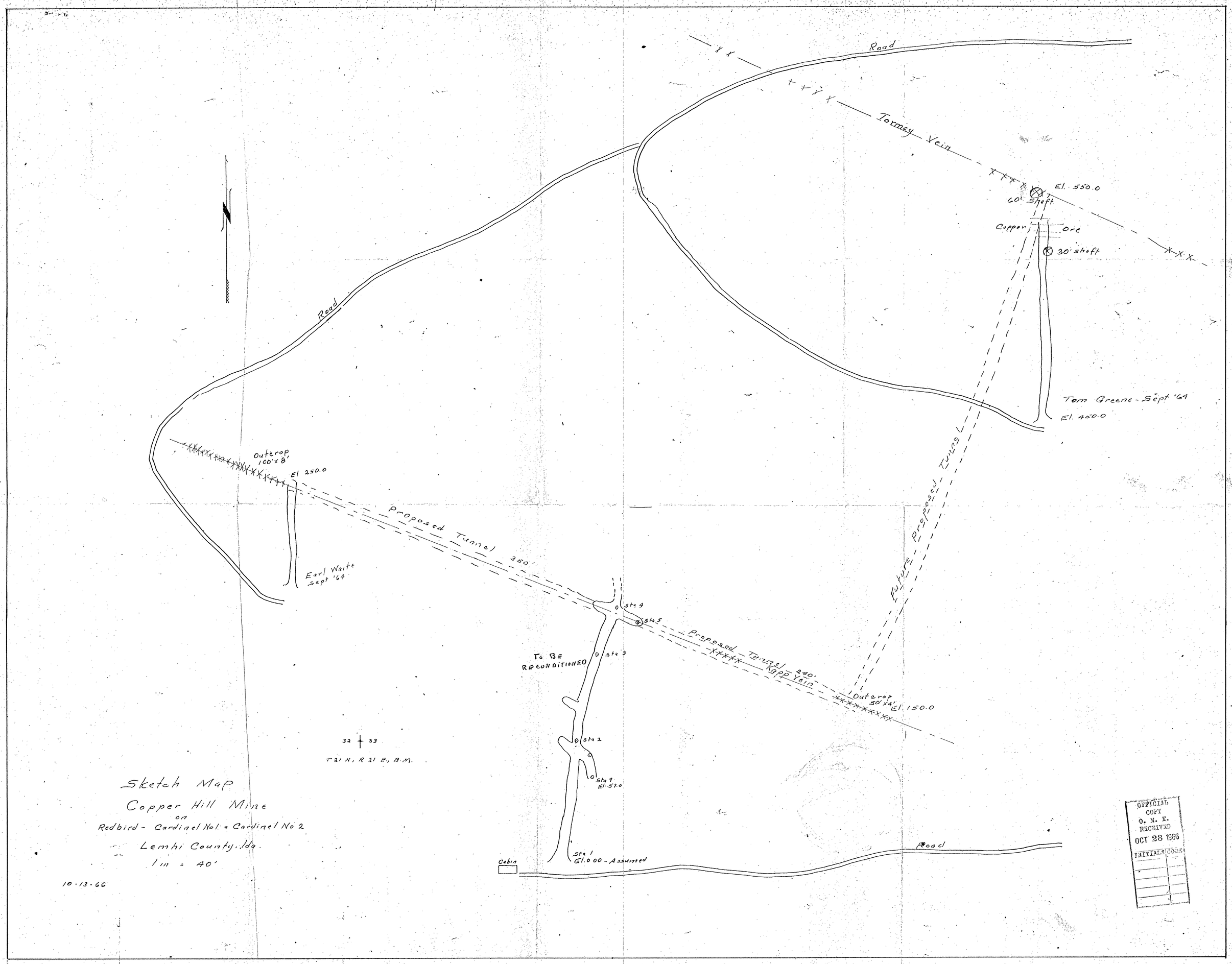
Generalized Plan
Cardinal Claim Group
Thomas L Green
Lemhi County Idaho

200 100 0 200

June 1967

Plate 1


ROAD
DIP. 42° NORTHERLY
DEPT. 30"
SH 3527
0.01 oz. Au
1.84 oz. Ag
20.9 % Cu
SH 3528
0.005 oz. Au
0.73 oz. Ag
5.0 % Cu
OUTCROP 100" LONG AT 8 FT
APPROX. 40 FT. FROM 300 LEVEL
SLOPE
TOTAL RISE FROM CROSS CUT 31'
TOTAL LENGTH OF CROSS CUT 36'
N
SHAFT 95" - 40°
30" SLANTING 2" PENSLAR PR. OX 102
DRILL HOLE
RED BIRD CLAIM
TOM GREEN START SHAFT
CHIEF 64 START SLASHER CROSS CUT SEPT. 64.
200' E
50' SLOPE OUT
FAULTED TO SOUTH LOWER LEVEL OUTCROP
SH 3524
0.01 oz. Au.
2.52 oz. Ag
15.9 % Cu.
Sample 170-22 Cu = 17.76 %
Sample 170-21 : 0.7' ⊥ to shear, Cu = 19.04 %
Sample 170-20 : 1.4' ⊥ to shear, Cu = 4.28 %
Small Stope
Bedding
Fractured
Sta #3
Sta #4
Sta #5
Sta #6
Sta #1
Sample 170-18 : 5', Cu = 0.24
170-17 : 5', Cu = 0.32
170-16 : 5', Cu = 0.72
Samples 170-13 thru 170-18 were cut along East Wall
Mineralized Shear zone
170-15 : 5' Cu = 0.76
170-14 : 5' Cu = 0.24
170-13 : 5' Cu = 0.76
170-19 : 5' Sample cut around face = ± 5' ⊥ to shear Cu = 4.36 %
Small Stope - upper level
Mineralized Shear
Upper Level
Sta #9 Elev = ± 57'
Bedding
Lower Level
Assumed Elev. = 0 @ sta #1
A
A'
B
B'
32 + 33
T21N, R21E
SOME 100 TONS SHIPPED FROM THIS LEVEL. 10.7% Cu. 12 TONS ASSAYED 12% DIRECT. 4% Cu. SMELTER RETURNS.
THIS CO. HAS MINE, OR VEIN, IS EXTENSION OF OLD TURKEY MINE. THIS TURKEY MINE ON APP. FOLLOWED VEIN A 50 FEET TO 50 SEC. II. THEN SAYS SOME 125" ORE. PUT IN OLD MILL BEFORE 1922. SHIPPED GRADE X OLD CO.
QUESTION AS TO STRIKE OF THE VEIN. A. KARR VEIN?
Geologic & Assay Map
Copper Hill Mine
Lemhi Co., Idaho
Scale 1" = ±20'
10-2-62 C.E.B.
LOCATION: 11 MILES SOUTH-WEST OF SALMON, IDAHO.



OFFICIAL
COPY
O. M. E.
RECEIVED
OCT 28 1966
INITIALS | COPY