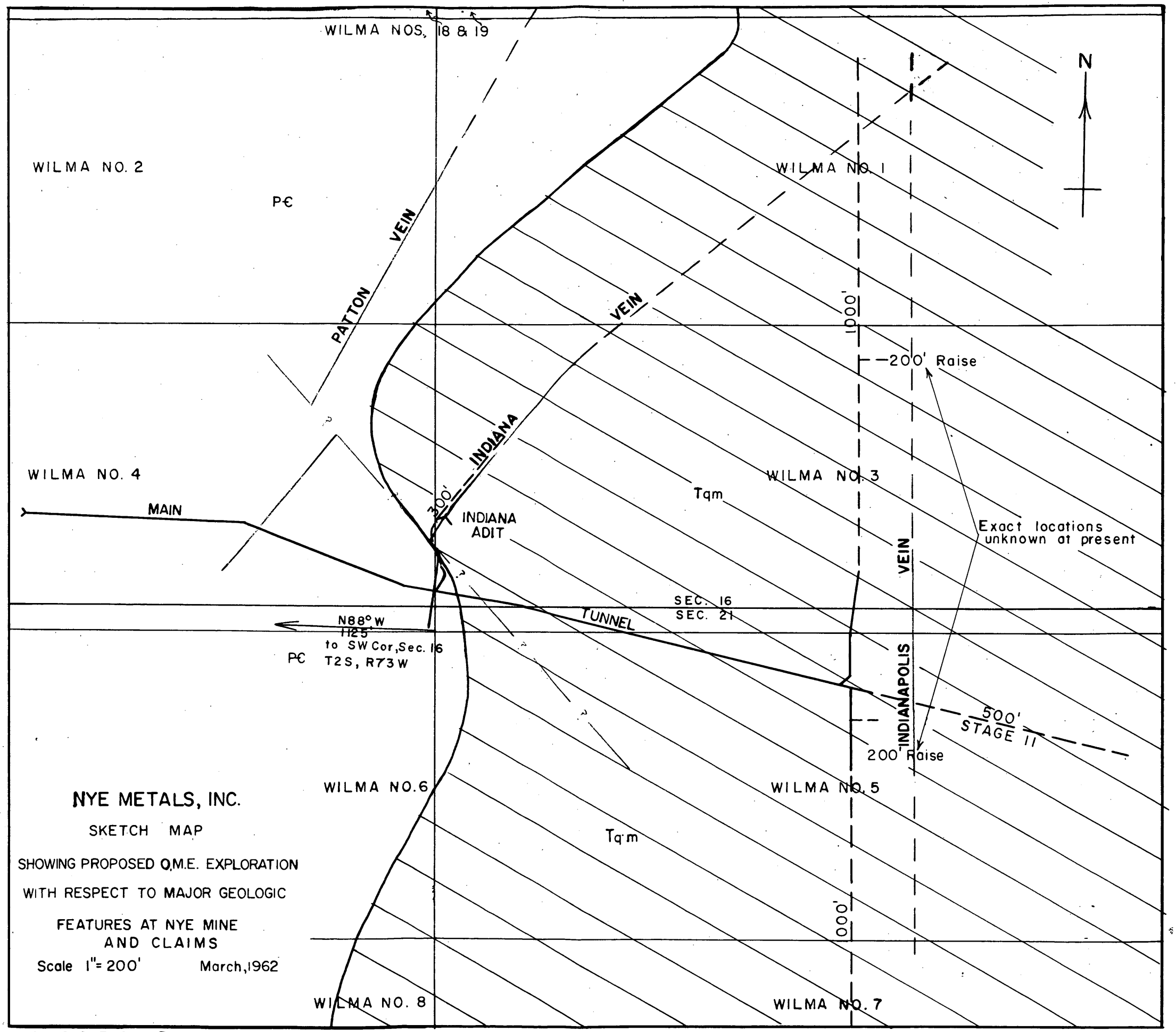


NYE METALS, INC.

SKETCH MAP

SHOWING PROPOSED O.M.E. EXPLORATION

WITH RESPECT TO MAJOR GEOLOGIC

FEATURES AT NYE MINE AND CLAIMS

Scale 1" = 200' March, 1962

C.E. MELBYE, Geol. E.

OME
DEPARTMENT OF THE INTERIOR
APR 1962
DENVER, COLORADO

APR 5 1962

Nye Metals, Inc.
General Delivery
Blackhawk, Colorado

Re: OMR-6231 (Molybdenum)
Nye Metals, Inc.
Nye Molybdenum Mine
Gilpin County, Colorado

Gentlemen:

The application for financial assistance in exploring the subject property has been reviewed by the Division of Minerals of the Office of Minerals Exploration and referred to Mr. H. M. Connors, Acting Field Officer, Region III, Office of Minerals Exploration, Building 20, Denver Federal Center, Denver 25, Colorado.

Will you kindly submit at least two copies of a map or sketch showing the location of each claim with respect to known section corners. This map should also show the location and extent of the exploratory work you have completed, the approximate elevations of the various vein outcrops at places along their strike and the portal elevations of the adits. These maps should be forwarded to Mr. Connors.

The Regional Office will notify you in case additional information concerning the application is needed.

Sincerely yours,

George Fumich, Jr.

Director

FMMurphy/gla 4-3-62
Rewritten: 4-5-62
cc to: Director's Reading File
Region III (2)
Docket

Building 20 - Federal Center
Denver 25, Colorado

April 13, 1962

Mr. Robert E. Nye
President
Nye Metals, Inc.
General Delivery
Blackhawk, Colorado

Re: OME-6231 (Molybdenum)
Nye Metals, Inc.
(Nye Molybdenum Mine)
Gilpin County, Colorado

Dear Mr. Nye:

Will you please advise when the surface of your property is entirely free of snow so that a field examination of the property can be scheduled.

Yours very truly,

Hugh M. Connors
Acting Field Officer, OME
Region III

HMC/lm
cc Chief, Division of Field Operations, OME
OME-6231
Chron

OME
DEPARTMENT OF THE INTERIOR
APR 5 1962
REGION III
DENVER, COLORADO

Nye Metals, Inc.
General Delivery
Blackhawk, Colorado

Re: GMR-6231 (Molybdenum)
Nye Metals, Inc.
Nye Molybdenum Mine
Gilpin County, Colorado

Gentlemen:

The application for financial assistance in exploring the subject property has been reviewed by the Division of Minerals of the Office of Minerals Exploration and referred to Mr. H. M. Connors, Acting Field Officer, Region III, Office of Minerals Exploration, Building 20, Denver Federal Center, Denver 25, Colorado.

Will you kindly submit at least two copies of a map or sketch showing the location of each claim with respect to known section corners. This map should also show the location and extent of the exploratory work you have completed, the approximate elevations of the various vein outcrops at places along their strike and the portal elevations of the adits. These maps should be forwarded to Mr. Connors.

The Regional Office will notify you in case additional information concerning the application is needed.

Sincerely yours,

George Fumich, Jr.

Director

FMMurphy/gla 4-3-62
Rewritten: 4-5-62
cc to: Director's Reading File
Region III (2)
Docket

Building 20 - Federal Center
Denver 25, Colorado

December 19, 1962

Mr. Robert E. Nye, President
Nye Metals, Inc.
Black Hawk, Colorado

Re: OME-6282 (Molybdenum)
Nye Metals, Inc.
(Nye Molybdenum Mine)
Gilpin County, Colorado

Dear Mr. Nye:

This has further reference to the captioned application for OME assistance.

Please submit another bid for drilling. Only two drill bids were submitted with your application but it was my understanding that you were contacting another drilling contractor for another bid on drilling.

The Arlington claim U. S. Survey No. 19595 mentioned in the new application was not previously subordinated under OME Contract No. 2149. Is this claim owned or leased? Also, please submit two copies of a map showing its location.

Your immediate attention to these two items will be greatly appreciated.

Yours very truly,

Initialed signed by

Hugh M. Commers
Acting Field Officer, OME
Region III

cc Mr. Charles E. Melbye
Consultant to Nye Metals, Inc.
2781 Lookout View Drive
P. O. Box 309
Golden, Colorado

Chief, Division of Field Operations, OME
Application OME-6282
Chron

8/24/89

I do not understand where the later docket # 6282 became involved; hence I am incl. it in #6231 files

Jane Spence

Building 20 - Federal Center
Denver 25, Colorado

December 19, 1962

Memorandum

To: George C. Selfridge, Chief
Division of Field Operations, OME
Washington 25, D. C.

From: Acting Field Officer, OME, Region III

Subject: OME-6282 (Molybdenum)
Nye Metals, Inc.
(Nye Molybdenum Mine)
Gilpin County, Colorado

On my regular monthly inspection yesterday on OME Contract 2149, Nye Metals, Inc., I noted a condition which should receive due consideration in the event you prepare a new contract on the subject property.

The Indianapolis vein south heading has encountered many cross fractures, splits, and possible new veins. About 20 feet north of the present south heading is a split in the vein bearing southwest on which the Operator has drifted about 15 feet where he intends to establish a switch. The vein in this heading is about 4 feet wide and has the same width and apparent high mineralization as the south heading. I suspect the presence of a number of unknown veins, especially in this south area which diamond drilling later will explore. What has me stymied is how to word a contract for drifting in this area which would prevent many amendments.

Original signed by

Hugh M. Connors
Acting Field Officer, OME

HMC/lm
cc OME6282
Chron

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

December 13, 1962

Rec'd Denver OME
DEC 17 1962

Mr. Robert E. Nye
President
Nye Metals, Inc.
Blackhawk, Colorado

Dear Mr. Nye:

Your application for exploration assistance, dated December 6, 1962 submitted to our office at Denver, Colorado has been assigned Docket Number OME-6282. Please identify all future correspondence relating to your application by this docket number.

Sincerely yours,

Allen S. Dakan, Chief
Division of Administrative
Management

Copy to:
Region III

NYE METALS, INC.
Formerly

EXTRA COPY
O. M. E
RECEIVED MAR 30

March 27, 1962

Office of Minerals Exploration
Department of the Interior
Washington 25, D. C.

Gentlemen:

We enclose an Application For Financial Assistance In Minerals Exploration (Form 40).

All the information requested on the back side of (MME Form 40) has been compiled and attached hereto, including a geological report by Charles E. Melbye, consulting geologist from Golden, Colorado, and a set of maps to which his report refers.

The request is for a program of approximately $175,000.00.

Your early review of this material and a visit to our property will be very helpful to us and much appreciated.

Yours very truly,

Robert E. Nye

Robert E. Nye
President

NYE METALS, INC.

REN/mm

Enc:

MME Form 40
Dec. 1958

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION

Budget Bureau No. 42-R1368
Approval expires Dec. 31, 1963

MAR 30 1962
O.M.E.

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.)*

NYE METALS, INC.
(FORMERLY NYE-MATHEWS MINING, INCORPORATED)
Room 711
Merchants Bank Building
Indianapolis, Indiana

Note: Please forward all mail to the General Delivery, Blackhawk, Colo.

APPLICANT DO NOT USE THIS BLOCK

DOCKET NUMBER 6231

DATE RECEIVED 3/30/62

REGION 111

DIVISION CODE

BUSINESS ORGANIZATION *(Check one)*

INDIVIDUAL
CORPORATION XXX
PARTNERSHIP
OTHER *(Specify)*

STATE IN WHICH FIRM IS ORGANIZED Indiana

LIST CORPORATE OFFICERS OR PARTNERS HERE, IF APPLICABLE

NAME	ADDRESS	TITLE
See attachment		

MINERAL(S) FOR WHICH YOU WISH TO EXPLORE: molybdenum

ESTIMATED COST OF PROJECT: $ 175,000

PROPERTY NAME	LOCATION COUNTY	STATE
Nye Molybdenum Mine	Gilpin County	Colorado

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 four copies of this application and all accompanying papers* except as otherwise noted. Place your name and address on each sheet. Each item of information, maps, and reports required as a part of this application is described on the back of this form. Identify each attached statement by the item number to which it applies. If an item does not apply to your application, show the item number on your statement and after it write "not applicable." Maps or sketches should be used to supplement narrative descriptions of the property location and boundaries in item 2, existing mine workings and geology in item 3, and the proposed exploration work in item 5. When this information is not too complex, all of it may be shown on one map or sketch. All documents and other attachments submitted as a part of this application, except those in item 3(g) which you mark to be returned, become the property of the Government and will not be returned to the applicant. Send true copies, *not originals*, of leases, contracts, and other documents which are an essential part of your business records. *File this application with the Office of Minerals Exploration, Department of the Interior, Washington 25, D. C., or with the nearest OME Field Office.*

CERTIFICATION

The undersigned, whether as an individual, corporate officer, partner, or otherwise, both in his own behalf and acting for the applicant, certifies that the information set forth in this form and accompanying papers is correct and complete, to the best of his knowledge and belief, and that he would not ordinarily undertake the proposed exploration under current conditions and circumstances at his sole expense.

3/26/62
DATED

Robert E. Nye
BY *(Signature)*

President
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. 50399

NYE METALS, INC.

formerly

NYE-MATHEWS MINING, INCORPORATED

BLACK HAWK,
COLORADO

ROOM 711, MERCHANTS BANK BLDG.
INDIANAPOLIS, INDIANA

1. Financial Eligibility

   (a) See attached letters from The Indiana National Bank, Indianapolis, Indiana and the Denver United States National Bank, Denver, Colorado.

   (b) None

   (c) Our share of the exploration cost will be provided by corporate funds.

March 20, 1962

Mr. John H. Ferry
Denver United States National Bank
Denver, Colorado

Dear Mr. Ferry:

This Corporation, now known as Nye Metals, Inc., has located a substantial deposit of a mineral called molybdenum, on its property in Gilpin County, Colorado. For several years, this deposit has been explored by us to determine its size and nature on a limited scale primarily because of a lack of capital.

Now, we wish to accelerate our exploration of the deposit and hereby request a loan of $175,000.00 to do this. At the completion of our exploration program, we expect to construct a mill and enter upon production and marketing of the metal. Currently, a short supply situation exists and customers are readily available.

We feel that the loan should mature in one (1) year at which time you will be better able to guage our progress for negotiating a repayment procedure. Interest should be consistent with that granted on loans of a similar nature.

An early reply will be helpful and appreciated.

Sincerely,

Robert E. Nye
President

Nye Metals, Inc.

REN/mm

JOHN H. FERRY
ASSISTANT VICE PRESIDENT

DENVER UNITED STATES NATIONAL BANK

DENVER U. S. NATIONAL CENTER • DENVER 17, COLORADO • CH 4-8811

March 21, 1962

AIR MAIL

Mr. Robert E. Nye
President
Nye Metals, Inc
Room 711, Merchants Bank Bldg.
Indianapolis, Indiana

Dear Mr. Nye:

Thank you very kindly for your letter of March 20, requesting a loan of $175,000 for the purpose of completing your exploration and development program for your molybdenum company in Gilpin County, Colorado.

We would like to be helpful to you in this enterprise, although I am sure you will recognize that at this time your needs are primarily for venture, or risk, capital. Inasmuch as commercial banking institutions are not in a position to provide this type of financing, we are unable to take care of your request. We would suggest that you approach private individuals who may have this type of capital available, or various investment groups who specialize in handling your type of request. In addition, it is my understanding that various Federal agencies are sometimes in a position to provide some or all of the moneys you may need for your program.

Thanking you again for your inquiry, I am

Very truly yours,

John H. Ferry

Assistant Vice President and
Petroleum Engineer

JHF/vs

March 20, 1962

Indiana National Bank
3 Virginia Avenue
Indianapolis, Indiana

Gentlemen:

This corporation, now known as Nye Metals, Inc., has located a substantial deposit of a mineral called molybdenum on its property in Gilpin County, Colorado. For several years, this deposit has been explored by us to determine its size and nature on a limited scale primarily because of a lack of capital.

Now, we wish to accelerate our exploration of the deposit and hereby request a loan of $175,000.00 to do this. At the completion of our exploration program, we expect to construct a mill and enter upon production and marketing of the metal. Currently, a short supply situation exists and customers are readily available.

We feel that the loan should mature in one (1) year at which time you will be better able to guage our progress for negotiating a repayment procedure. Interest should be consistent with that granted on loans of a similar nature.

An early reply will be helpful and appreciated.

Sincerely,

Robert E. Nye
President

Nye Metals, Inc.

REN/mm

THE INDIANA NATIONAL BANK
OF INDIANAPOLIS
INDIANAPOLIS 9, INDIANA

Mr. Robert E. Nye, President
Nye-Mathews Mining, Incorporated
Room 711, Merchants Bank Building
11 South Meridian Street
Indianapolis, Indiana

March 26, 1962

Dear Mr. Nye:

We received your letter of March 20, 1962, in which you requested a $175,000 loan for exploration of property located in Gilpin County, Colorado. You requested a one year maturity with repayment program to be negotiated at that time. Donald O'Mara told me today that the company does not have sufficient collateral with which it can secure a loan of this size.

Due to the speculative purpose of the loan, the indefinite repayment program and the lack of collateral, we would not be able to grant you this loan at the present time.

In the future, if there is any way that we can be of service to you, please call on us.

Very truly yours,

M. M. Zook

Morgan M. Zook
Assistant Vice President

MMZ-c

NYE METALS, INC.
formerly

NYE *MATHEWS MINING, INCORPORATED

2. Applicant's Rights in Land:

(a) Owner; no liens, mortgages or other encumbrances.

(b) The below locations were made by Nye-Mathews Mining, Inc. as locations and all are in Sections 9, 10, 15, 16, 21 and 22, Township 2 South, Range 73 West of the 6th P.M. Gilpin County, Colorado.

Unpatented Mining Claims Recorded Gilpin County, Central City, Colorado.

Name	Page No.	Book No.
Wilma No. 1	226	43
Wilma No. 2	226	42
Wilma No. 3	226	44
Wilma No. 4	226	46
Wilma No. 500	226	45
Nettie Hazel No. 6	226	47
Nettie Hazel No. 7	226	48
Nettie Hazel No. 8	226	49
~~SixtxxNxxxNinx~~	~~226~~	~~97~~
Nine	226	97
Ten	226	96
Eleven	226	95
Twelve	226	94
Thirteen	226	93
Fourteen	226	92
Fifteen	226	91
Sixteen	226	90

NYE METALS, INC.
formerly

NYE-MATHEWS MINING, INCORPORATED

Name	Page No.	Book No.
Seventeen Lode	226	107
Eighteen	226	108
Nineteen	226	111
Twenty	226	112
Twenty Two	226	114
Twenty One	226	113
Alvin No. 1	226	318
Alvin No. 2	226	317
Alvin No. 3	226	316
Alvin No. 4	226	315
Alvin No. 5	226	314
Alvin No. 6	232	79
Ni's No. 1	239	426
Ni'S No. 2	239	427
Ni's No. 3	239	428
Ni's No. 4	239	429
Ni's No. 5	239	430
Ni's No. 6	239	431
Ni's No. 7	239	432
Ni's No. 8	239	433
Ni's No. 9	239	434
Ni's No. 10	239	435

NYE METALS, INC.
formerly

NYE-MATHEWS MINING, INCORPORATED

Name	Page No.	Book No.
Ni's No. 11	239	436
Ni's No. 12	239	437
Ni's No. 13	239	438
Ni's No. 14	239	439
Ni's No. 15	239	440
Ni's No. 16	239	441
Ni's No. 17	239	442
Ni's No. 18	239	443
Ni's No. 19	239	444
Ni's No. 20	239	445
Ni's No. 21	239	446
Ni's No. 22	239	447
Ni's No. 23	239	448
Ni's No. 24	239	449
Ni's No. 25	239	450
Ni's No. 26	239	451
Ni's No. 27	239	452
Ni's No. 28	239	453
Ni's No. 29	239	454
Ni's No. 30	239	455
Nye's No. 1	239	456
Nye's No. 2	239	457

NYE METALS, INC.
formerly

NYE-MATHEWS MINING, INCORPORATED

Name	Book No.	Page No.
Nye's No. 3	239	458
Nye's No. 4	239	459
Nye's No. 5	239	460
Nye's No. 6	239	461
Nye's No. 7	239	462
Okey No. 1	239	463
Okey No. 2	239	464
Okey No. 3	239	465

Patented Mining Claims Recorded Gilpin County, Central City, Colorado

The below patented claims are located in Sections 9, 10, 15, 16, 21 and 22, Township 2 South, Range 73 West of the 6th P.M. Gilpin County, Colorado.

Name	U.S. Patented No.
Smart No. 2	16584
Ideal	17185
Klondyke	17185
Dawson	17185
St.Patrick No. 2	9881
Black Hawk	9881
Duke	11854
Wellington	11854
Dolly Varden	11854
Jumbo	19595
Arlington	19595

NYE METALS, INC.
formerly

NYE-MATHEWS MINING, INCORPORATED

Name	U.S. Patented No.
Becktell	12420
Belcher	12420
Balmoral	12420
Crown Point	12420
Cordova	12420
David B.	12420
Hildalgo	12420
Kimberly	12420
Pacific	12420
Tioga	12420
Magdalena	12420
Fairview No. 1	19021
Fairview No. 2	19021
Fairview No. 3	19021
J. H. B.	19021
H. C. B.	19021
Hoosier Boy	11355
Josephine	13873
Aurora	13873
Annex No. 1	13873
Annex No. 2	13873
Annex No. 3	13873
Edna	14955

NYE METALS, INC.
FORMERLY

NYE-MATHEWS MINING, INCORPORATED

Name	U. S. Patented No.
Golden Forest	14955
Water Lily	14955
Columbine	14955
Iron Shoe	14955
Leon Boy	14955
Little Topsy	14955
Redemption	12627
Mattie D.	12627
Eliza M.	12627
Little Bennie	12627
Golden Cliff	12627
Sun Flower	12627
Hard Pan	12292
Exchequer	12292
Gold Belt	12292
E. G. R.	12292
American	12530
Yankee Doodle	12413
Prospect	12413
Hope	12413
Union	13873
Missing Link No. 2	13873
Fly	13873
Intersection	13873

NYE METALS, INC.

formerly

NYE-MATHEWS MINING, INCORPORATED

Name	U. S. Patented No.
Home	13873
Home No. 1	13873
Home No. 2	13873
Home No. 3	13873
Home No. 4	13873
Beatrice No. 4	13873
Brightside No. 1	13873
Brightside No. 2	13873
Brightside No. 3	13873

3. Physical Description

a) Earliest work on the property consisted of scattered prospect pits for gold-silver exploration, the exact history of which is unknown. Nye-Mathews Mining, Inc. was organized on July 29, 1954 and proceeded with location of 22 claims for molybdenum. Since July, 1956 the company has carried on exploration by geochemical soil sampling, surface bulldozer cuts and underground openings and has acquired considerable additional land holdings.

The earliest underground work consisted of 130-foot adit on the Indiana vein. This was followed by the main 1,07-foot crosscut tunnel together with 393 feet of drift on the Indianapolis vein and 50 feet of drift on the Indiana vein. (See Plates 1 and 2.) Work is presently proceeding at the mine to rerail the tunnel, install vent pipe, and generally rehabilitate the workings after 8 months' inactivity. Upon completion of this, drifting will be commenced again on the Indianapolis vein.

In order to better facilitate future mine development, the mine surface plant has been improved by the addition of two buildings, 500 kva Diesel power plant 1200 cfm compressor, and various other equipment items. Although there has been no production and none is anticipated for a period of time, equipment-wise, the mine is nearly equipped for a 50-100 ton per day operation. There is no mill on the property.

b) Nye Metals, Inc., formerly Nye-Mathews Mining, Inc., has a 100% interest in all operations conducted since 1954.

c) There has been no production, although some development ore has been stockpiled on the dump.

d) No ore reserves are claimed at this time, although the 393-foot drift on the Indianapolis vein has disclosed a substantial vein for which at least indicated ore reserves could be calculated.

e) (Copy Geology section from Melbye Economic Evaluation report.) (Attached)

f) We expect to find ore for the main reason that drifting on the Indianapolis vein has already exposed a 280-foot ore shoot with the south end not yet delineated. The same vein is similarily present and mineralized at the surface, 400 feet above. Since the vein systems are very persistent for many hundreds of feet, especially within the intrusive, the possibility of additional ore shoots along the vein is reasonably expected. Assays by the writer and by American Metal Climax, Inc. are shown in red on Plate 2. In addition, samples taken by company

Submitted by Nye Metals, Inc. formerly Nye-Mathews Mining, Incorporated, Room 711, Merchants Bank Building, Indianapolis, Indiana, and of Black Hawk, Colorado.

personnel from the first 100 feet of drift south of the main tunnel assayed 5.11%, 3.62%, 3.05%, 4.77%, and 3.03% MoS_2. Geological mapping has shown vein widths in the ore shoot to vary from 1-5 feet with additional well-mineralized quartz-molybdenite stringers in the walls, which contribute appreciable values.

In addition, we expect to find ore on other similar veins, such as the Indiana and Patton, which are less explored but are very similar in width and character. The Indiana adit has followed a 3-foot vein which is very highly mineralized, as evidenced by dump material, and one sample by W. F. Moenke, former consulting mining engineer to the company, assayed 6.11% MoS_2. Surface cuts on each of these veins show molybdenite-bearing quartz vein material.

Sampling procedure by the writer and by American Metal Climax personnel has been a channel or continuous chip sample across the vein.

g) Nearly all pertinent data from two recent reports by Charles E. Meltye, consulting geologist, are included in this application. Reports by W. F. Moenke, Registered Mining Engineer, are on file with the Securities and Exchange Commission office in Denver and may be consulted, if desired.

4. Accessibility of Property:

a) Either of two people will meet the OMM representative:

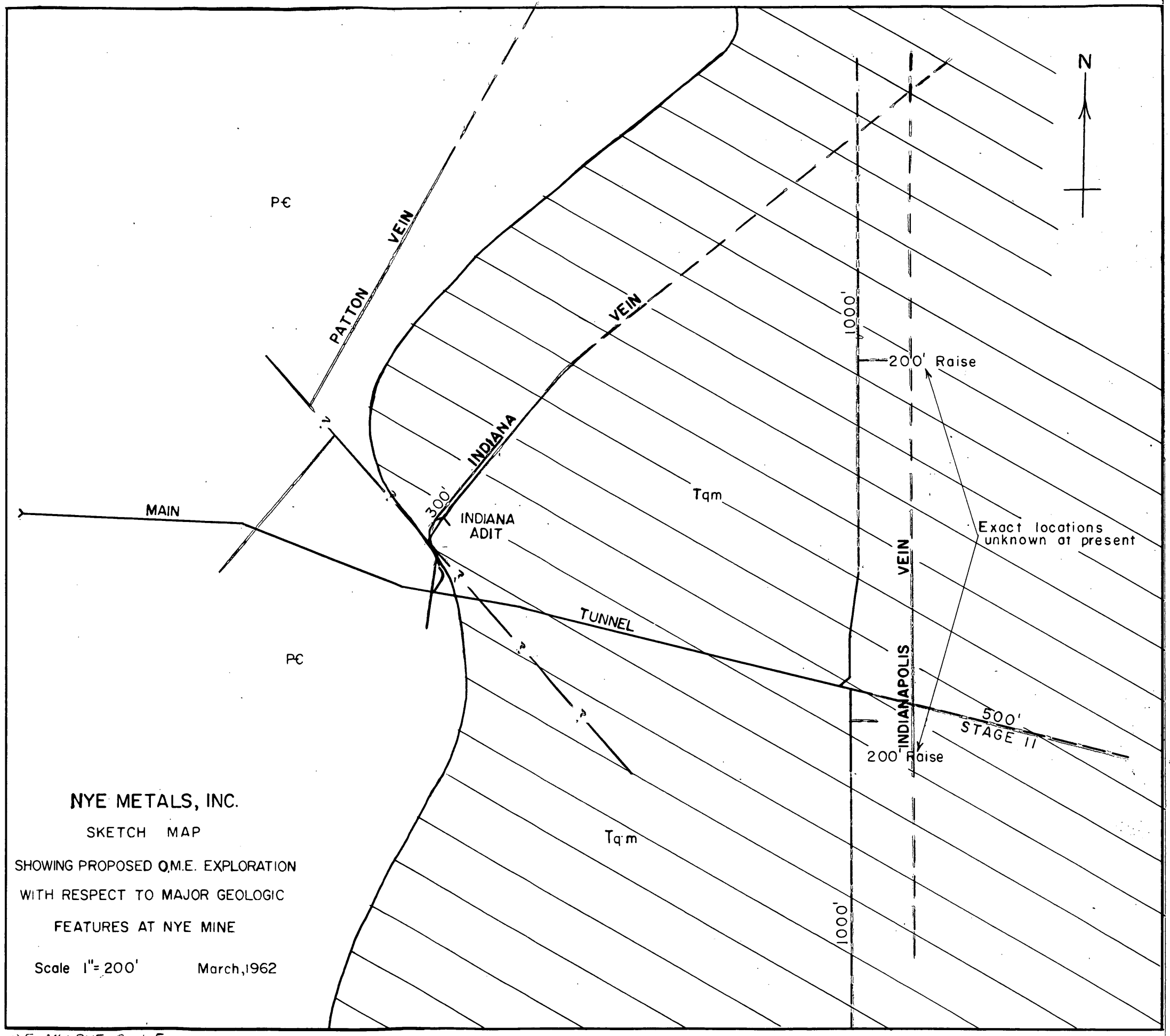
Robert E. Nye Blackhawk, Colorado Telephone: 2604	or	Charles E. Meltye 2721 Lookout View Drive Golden, Colorado CR9-1542

The property may be reached by traveling north from Blackhawk on paved State Highway #119 for 2 miles, thence 7 miles westerly on a good gravel road to Apex, a cluster of houses occupied only in the summer. The mine is then one mile northeast of Apex over a good winding dirt road.

The main mine workings are completely accessible. Only the shallow surface adits and cuts are caved or sloughed.

b) The nearest supply points are the small towns of Central City and Blackhawk, 10 miles away. Limited small mining operations are usually in progress in the area at all times. The city of Denver is 44 miles away. Nearest rail shipping point is Golden, 30 miles distant

Submitted by Nye-Metals, Inc. formerly Nye-Mathews Mining, Incorporated, Room 711, Merchants Bank Building, Indianapolis, Indiana, and Black Hawk, Colorado.



C.E. MELBYE, Geol. E.

5. Exploration Work:

a) The proposed exploration work is as follows and is outlined on the sketch map, Plate 3:

STAGE I

Bulldozer Cuts 270 hours

Based on geological mapping, cuts will be located along the Indianapolis, Indiana, and Patton veins; the area east of "500" cut where surface outcrops indicate other veins; and at the intersection of the Indianapolis and Indiana veins.

A D-8 Caterpillar bulldozer owned by the company will be used.

Drifting

1. Indianapolis vein 2000 feet
The amount of drifting north and south from the present drift will depend on progressive results, but the present estimate is 1000 feet north and 1000 feet south. This drifting will all be within the favorable quartz monzonite intrusive host rock. Furthermore, the north drift will intersect the Indianapolis-Indiana vein intersection at from 900-1000 feet. The value of vein intersections is as yet undetermined, but mineralization is directly related to intensity of fracturing, and very little gouge is ever present along the faults which might act as a barrier to ore deposition.

2. Indiana Vein 300 feet
In drifting to the northeast, the favorable quartz monzonite intrusive should be intersected in about 10 feet. An additional 100 feet will carry the drift directly under the Indiana adit, which shows a highly mineralized 3-foot vein. Part of this 300 feet may be cross cutting since a post-mineral fault ahead of the face is suspected.

All drifts will be 5' x 7' where untimbered and 7' x 8' where timbered. However, it is anticipated that all drifts will necessitate timbering, and the larger size is used in all cost calculations. Timbers will be 8" x 8" with 3" lagging, and on 5-foot centers. Rail will be 30# at an 18" gauge. Vent pipe will be 12" in diameter, air pipe 4" diameter, and water pipe 1" in diameter.

Raising

Indianapolis Vein 400 feet

Two 200-foot raises are proposed, the location of these to be determined from results of drifting, as they should each be located in different ore shoots. No vertical exploration has been carried on above the tunnel level, and this is essential for a better understanding of the nature of ore occurrence.

Submitted by Nye Metals, Inc. formerly Nye-Mathews Mining, Incorporated, Room 711, Merchants Bank Building, Indianapolis, Indiana, and of Black Hawk, Colorado.

6. Experience:

Technical supervision will be provided by Charles E. Melbye, Consulting Geologist and Engineer, Golden, Colorado. Mr. Melbye graduated from the Colorado School of Mines in 1950 with a Geol. E. degree. He later completed 3 years of study toward a Doctor of Science degree. His experience includes both mine operation and exploration for the Anaconda Company, Telluride Mines, Inc., and Colorado Exploration Company, as Instructor in Geology at the Colorado School of Mines, and as consultant to such companies as Phelps-Dodge Corporation, Kennocott Copper Corp., Southern Pacific Railroad, Susquehanna-Western, Inc., Anschutz Drilling Company, Oklahoma Gas and Electric Company, American Metal Climax, Inc., and numerous other companies and individuals.

General Supervision:

Robert E. Nye, president of the corporation, has been general manager of the exploratory operations to date, commencing in 1954. He will supervise the miners and others involved in the exploration program. Mr. Nye is the discover of the deposit. He was in charge of the construction of the Indiana adit and the Indiana vein as herein described. Additionally, since its construction, he has been in charge of the construction of the main tunnel which is 1700 feet in length and has supervised the drifting on the Indianapolis vein as herein described. Surface exploration has also been carried on under Mr. Nye's supervision. Mr. Nye, therefor has in excess of seven year's experience in mining and exploration.

Mr. Nye also has been responsible for the purchasing of mining equipment such items described herein, tools, buildings and so forth.

Submitted by Nye Metals, Inc. formerly Nye-Mathews Mining, Incorporated, Room 711, Merchants Bank Building, Indianapolis, Indiana, and Black Hawk, Colorado.

7. Estimate of Costs:

a) Independent contracts — None

b) Personal services

STAGE I		Unit Cost	Total Cost
1	Superintendent	$650/mo	$3900.00
1	Foreman	$575/mo	3450.00
1	Shift boss	$2.60/hr	3369.60
10	Miners	$2.50/hr	32400.00
2	Outside labor	$$.25/hr	5832.00
1	Consulting geologist-engineer	$500/mo	3000.00
		TOTAL	$51,951.60

STAGE II

One-third of Stage I — $17,299.88

c) Operating materials and Supplies

STAGE I

Purchased New:

45	Drill steel, 7/8" x 6'	$19.30	$ 868.50
5	Drill steel, 7/8" x 30"	18.35	91.75
5	Drill steel, 7/8" x 4'	19.90	99.50
2	Air hoses, 50'	18.00	36.00
18	Wheat lamps	34.10	613.80
2 Kegs	Track spikes	30.00	60.00
1150	Ties	.50	575.00
27,000#	Powder, Hercal	24.55/100#	6628.50
10,000	Caps, regular, #6	3.20/100	320.00
108,000'	Fuse	42.75/3000'	1539.00
1 Roll	Lead spitter	1.10	1.10
3,500	Electric caps	.23	805.00
1	Blasting machine	104.00	104.00
119,360 B.F.	Timber	80.00/M'	9548.80
84,840 gal.	Diesel fuel, power plant	.105	8908.20
2,400 gal.	Diesel fuel, light plant	.105	252.00
600 gal.	Gasoline, misc.	.279	167.40
1,020 gal.	Oil-power plant	.95	969.00
690 gal.	Oil-compressor	.65	448.50
300 gal.	Oil-rock drill	.78	234.00
100#	Grease	.35	35.00
3000'	Water pipe, 1" Black	.30	1000.00
540 sets	Nails and wedges for timber	1.00/set	540.00
250'	Cable for air tugger, 1/2"	.145	36.25
		Total	$33,881.30

Submitted by Nye Metals, Inc. formerly Nye-Mathews Mining, Incorporated, Room 711, Merchants Bank Building, Indianapolis, and Black Hawk, Colorado.

d) Operating Equipment

STAGE I

Purchased New:	Unit Price	Total Cost
2 Jackleg drills, Atlas Copco	$ 985.00	$ 1,970.00
3 Wheatlamp chargers	156.00	468.00
1 Gould battery set for Mancha trammer	2384.00	2,384.00
1 Thor air tugger hoist	820.00	820.00
1 Hydraulic Jim Crow	205.00	205.00
1 15 hp electric motor (used)	200.00	200.00
1 Water pump, air-driven 300 gph	450.00	450.00
	Total	$ 6,497.00

Used - Furnished by Nye Metals, Inc.

	Unit Present Value	Unit Deprec. Per Month	Total Cost
2 Jackleg drills, Atlas Copco	$ 600.00	$ 10.00	$ 120.00
1 Stoper, Atlas Copco	600.00	10.00	60.00
2 Simco muckers, 12B	2500.00	41.67	500.04
20 Mine cars. 30 cu ft. rocker d.	300.00	5.00	600.00
1 Mancha trammer, 4T	7500.00	125.00	750.00
1 Jeffrey trammer, 2T	4500.00	75.00	450.00
2 Joy Axivane fans, 1000 Series	1500.00	25.00	300.00
1 Compressor, 1200 cfm, twin, G-D	20000.00	333.33	1,999.98
1 Power plant, cat. Diesel D-397 w/ switch b. & transformers	39000.00	650.00	3,900.00
1 Kurz and Root light plant, 18.75 kva	1800.00	30.00	180.00
1 Air saw	350.00	5.83	34.98
1 Electric welder	300.00	5.00	30.00
1 Acetylene welder	300.00	5.00	30.00
2 Hoists for vent pipe	80.00	1.33	7.98
		Total	$ 8,962.98

1 GMC Pickup truck, 1956, 4-wheel	10 ¢/mi	800 mi/mo	$ 960.00
1 International Pickup truck, 1961 4-wheel drive	10¢/mi	800 mi/mo	960.00
1 Dodge Custom sedan, 1956	10¢/mi	800 mi/mo	960.00
1 Boom truck and winch		$25/mo	300.00
1 Caterpillar bulldozer, D-8	$16/hr	270 hours	4,320.00
		Total	7,500.00
		GRAND TOTAL	22,959.98

Submitted by Nye Metals, Inc.
formerly Nye*Mathews Mining,
Incorporated, Room 711,
Merchants Bank Building, Indianapolis,
Indiana, and Black Hawk, Colorado.

Purchased Used:

2200'	Vent pipe, 12" steel inc. couplings	$ 2.00	$ 4,400.00
165	Hangars (strap iron)	.50	82.50
2400'	Air pipe, 4" black inc. couplings	1.00	2,400.00
4600' (23 T)	Rail, 30#	150/ton	3,450.00
4 switches		60.00	240.00
230 pr.	Fish plates	1.15	264.50
1 Keg	Track bolts	50.00	50.00
1700'm	Underground cable, #4,3-cond	2.00	3,400.00
		Total	14,287.00
		Grand Total	48,168.30

STAGE II

Purchased New:

10	Drill steel, 1" x 6'	$ 23.25	$ 232.50
250	Ties	.50	125.00
5000#	Powder, Hercal	24.55/100#	1,227.50
2500	Caps, regular, #6	3.20/100	80.00
21,000'	Fuse	42.75/3000'	299.25
21,600 B.F.	Timber	80.00/M	1,728.00
14,040 gal	Diesel fuel - power plant	.105	1,474.20
400 gal	Diesel fuel - light plant	.105	42.00
170 gal	Oil - power plant	.95	161.50
115 gal	Oil - compressor	.65	74.75
100 gal	Oil - rock drill	.78	78.00
450'	Water pipe, 1" black	.30	135.00
10 sets	Nails and wedges for timber	1.00/set	10.00
		Total	$ 5,667.70

Purchased Used:

400'	Vent pipe, 12" steel inc. couplings	2.00	800.00
30	Hangars	.50	15.00
400'	Air Pipe, 4" inc. couplings	1.00	400.00
1000'(5 T)	Rail, 30#	150.00	750.00
50 pr.	Fish plates	1.15	57.50
1	Switch	60.00	60.00
		Total	$ 2,082.50
		Grand Total	$ 7,750.20

Submitted By Nye Metals, Inc. formerly Nye-Mathews Mining, Incorporated, Room 711, Merchants Bank Building, Indianapolis, Indiana, and Black Hawk, Colorado.

STAGE II

		-0-
Purchased New		
Used- Furnished by Nye Metals, 1/3 of Stage I		$ 5,969.34
Vehicles except for caterpillar, 1/3 of Stage II		1,058.94
GRAND TOTAL		$ 7,028.28

e) Initial rehabilitation and repairs:

Extend end of trestle 30 feet and extend double track to end of trestle, Stage I only		$ 1,000.00
f) New buildings, fixtures, installations:		None
g) Miscellaneous:		
1080 Assays for MoS_2	$4.00 each	$ 4,320.00
Accounting	$75.00 month	450.00
Workmens Compensation and unemployment insurance	7.08% x $45,051.60	3,189.65
GRAND TOTAL		$ 8,959.65

STAGE II

One-third of cost for Stage I	Total	$ 2,650.56

SUMMARY:

STAGE I

a) Independent contracts	-0-
b) Personal services	$ 51,951.60
c) Operating materials and supplies	48,168.30
d) Operating equipment	22,959.98
e) Initial rehabilitation	1,000.00
f) New buildings, fixtures, and installations	-0-
g) Miscellaneous	8,959.65
TOTAL	$ 133,039.53

STAGE II

a) Independent contracts	-0	-0-
b) Personal services		17,299.88
c) Operating materials and supplies		7,750.20
d) Operating equipment		7,028.28
e) Initial rehabilitation		-0-
f) New buildings, fixtures, and installations		-0-
g) Miscellaneous		2,650.56
TOTAL		$ 34,728.92
GRAND TOTAL		$ 167,768.45

Submitted by Nye Metals, Inc.
formerly Nye-Mathews Mining,
Incorporated, Room 711, Merchants
Bank Bldg., Indianapolis, Ind.
and Black Hawk, Colorado

All raises will be two compartment and 5' x 9' in size. Timbering will be required throughout, using 6" x 6" timbers. It is anticipated that permanent water and air line will be carried up 100 feet in each raise, and hoses used beyond. Manway compartment will be 2½' x 4' and the hoisting compartment 5' x 4', inside dimensions.

STAGE II

Crosscutting

End of Main Tunnel	500 feet

This crosscut is proposed as Stage II and will depend on results from bulldozer cuts east of the Indianapolis vein. If another promising vein is encountered, this crosscut would explore the vein at a depth of 400 feet as well as explore the disseminated molybdenite in the sheeted zone at the present tunnel face.

Crosscut size will be 5' x 7' where untimbered and 7' x 8' where timbered. It is estimated that 10% will require timber or a total of 10 sets. Timbers, rail, vent pipe, air pipe, and water pipe will be the same as specified for drifting.

SUMMARY

Stage I	Bulldozer work	270 hours
	Drifting	2300 feet
	Raising	400 feet
Stage II	Crosscutting	500 feet

b) No access roads will be required

c) If a contract is executed we would expect to complete the work within three years. However, while work is being carried on, the anticipated rate of progress would be as follows:

Bulldozing	9 hours/day
Drifting	400 feet/month
Raising	160 feet/month
Crosscutting	200 feet/month

Submitted by Nye Metals, Inc. formerly Nye-Mathews Mining, Incorporated, Room 711, Merchants Bank Building, Indianapolis, Indiana, and Black Hawk, Colorado.

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ECONOMIC EVALUATION

NYE MOLYBDENUM MINE

North Gilpin County District

Colorado

Charles E. Melbye

CHARLES E. MELBYE AND ASSOCIATES

MINING - GEOLOGICAL - GEOPHYSICAL
METALLURGICAL ENGINEERS

1117 WASHINGTON AVE. CRestview 9-1542
GOLDEN, COLORADO

March 14, 1962

ECONOMIC EVALUATION

NYE MOLYBDENUM MINE

North Gilpin County District

Colorado

INTRODUCTION

This report summarizes the findings resulting from geological studies of the mine during the first two weeks of March, 1962. These studies consisted of detailed surveying and geological mapping of the underground workings and mapping of a portion of the surface workings where snow cover was not excessive. All of these data have been integrated in a set of operation maps for the mine, which can be used in accurately planning and mapping future exploration and development work.

PROPERTY

Although the writer has not had the opportunity to examine the entire claim holding, the 1600 acres held outright or by lease obviously cover the entire known district and no additional acquisitions need be contemplated in the foreseeable future.

COMPLETED DEVELOPMENT

Since the mine surveying is now brought up to date, it is well to summarize the total footage of completed development. The main crosscut tunnel is presently 1707 feet long. Drifting on the Indianapolis vein totals 393 feet, and a short drift on the Indiana vein is 50 feet long. The grand total of completed development, then, is 2150 feet.

GEOLOGY

Rock Types:

The oldest rock is predominantly a quartz monzonite gneiss of pre-Cambrian age. It is quite dark in color from abundant biotite and hornblende and might be termed a quartz-biotite or hornblende gneiss. Foliation is often obscure but appears to strike predominantly N-S with dips varying from 50° - 80° W. Occasional pegmatite dikes may be considered as part of the gneiss unit.

Intruding this is a Tertiary quartz monzonite, the sharp intrusive contact between the two being visible just past the Indiana vein in the main tunnel. Its dip is irregular and varies from vertical to 65° W. Although there are undoubtedly smaller offshoot dikes from the intrusive, the main mass appears to comprise the center of Dakota mountain. The typical quartz monzonite is comprised mainly of quartz and feldspar with varying amounts of needle-like crystals of hornblende.

In addition, light colored sugary aplite dikes may occasionally be seen cutting the quartz monzonite. Marked variations in the intrusive were seen but snow cover did not permit any reliable conclusions at this time.

Structure:

The most important structural features are the north and northeast fault zones along which the quartz-molybdenite veins have been emplaced. These are discussed under Ore Deposits.

Another important feature is the intersection of major north and northeast faults at station T-6, which has caused the caved heavy ground. Numerous other minor faults and fractures are mapped in the tunnel, which strike at all directions. However, the predominant strike is about N-S and occasionally these fractures may be only a few inches apart and comprise sheeted zones from 50-80 feet wide.

Ore Deposits:

Very simple mineralogy is a characteristic of the deposit, consisting mainly of molybdenite, pyrite, and quartz, with occasional chalcopyrite, vein feldspar, and biotite. The oxide, ferri-molybdite is present in the veins at the surface. Alteration is noticeable only near the vein and consists of silicification over 1'- 2' widths and chloritization over a wider zone. Certain fault zones in the quartz monzonite are accompanied by argillic alteration, but this seems to bear no relationship to molybdenum mineralization.

Vein Deposits - The two veins of present economic interest are the N-S Indianapolis vein (at the end of the tunnel) and the N 15°-45° E Indiana vein. The molybdenum-bearing quartz veins each vary from a few inches to 5 feet in width, but additional quartz stringers with molybdenite are usually present in the walls. The Indianapolis vein has been emplaced at an acute angle to a pre-existing mineralized fracture zone striking N 35° E. The greater intensity of fracturing on both sides of the tunnel has determined the location of the ore shoot. In addition, the structural features of a flatter dip, about 78°-80° W, rather than 85° W and a change in strike from N 10° E to N-S seem to be important ore controls. In addition, the quartz monzonite wallrock appears to be a more favorable host rock than the gneiss. As an example, the Indiana

vein in the upper short adit (in the intrusive) is 3' wide and well mineralized, whereas the vein in the main tunnel with gneiss wallrock is only a few inches wide. The veins usually split into narrow quartz stringers away from an ore shoot. Sloughing of pit walls and snow prevented examination of the Indianapolis vein on surface, but the vein previously exposed in the "500" cut is undoubtedly the same.

Another significant northeast vein is the Patton vein, exposed in the shaft near the top of Dakota mountain. Snow has filled the shaft and pits, but vein material on the dump is well mineralized. A small pit 380' NW of the Indiana tunnel has exposed a vein which appears to be on the Patton structure. This vein projects to the major fault zone exposed at Station T-6 in the tunnel, where some molybdenite can be seen.

Disseminated Deposits - This type cannot be regarded as economic with the present state of exploration, but the number of substantial zones, 50'- 80' wide, would encourage some further exploration as finances permit. A noteworthy feature is that nearly every fracture or fault in the quartz monzonite underground shows some molybdenite. Three sheeted zones with molybdenite values are present at about 1250 and 1530 feet from the portal, and from the Indianapolis vein to the end, with the zone at the end appearing the most favorable. An 80' composite chip sample of the second above-mentioned zone assayed .092% MoS_2. A more intensely faulted zone must be found in the intrusive which could provide the location for higher-grade disseminated ore.

MARKETS

Markets for molybdenite concentrates will present no problem to the company as molybdenum is in short supply, and consumers are presently being allocated by American Metal Climax, Inc., the largest producer. No new large deposits are being developed in the world which could change this situation for at least a few years. A substantially higher price could conceivably bring into production large known deposits, presently too low-grade, such as at Questa, New Mexico and Mestersvig, Greenland.

CONCLUSIONS

1. Vein Systems - Three substantial vein systems are presently known on the property, the N-S Indianapolis and the northeast Indiana and Patton veins. From geochemical soil sampling and scattered prospect pits, others are indicated, but their extents are unknown. The N-S Indianapolis vein appears the strongest, and since this has also seen the most development, it justifies the most exploration development at present.

2. Indianapolis Vein - An ore shoot at least 280 feet long is presently indicated. Its south end is yet to be determined. Additional sampling must yet be done, to determine ore-grade, but four samples by the writer (2.39%, 1.90%, .963%, and 1.45% - MoS_2) average 1.675%. An average grade of at least 1.5% MoS_2 over 3-4 foot width can be expected. About 400 feet of "backs" are present between the tunnel and surface, which affords an adequate favorable zone in which to develop sufficient ore reserves. No blocked out or positive ore reserves can be calculated at this time.

3. Indiana Vein - An additional 10 feet of drifting in this vein from the main tunnel should intersect the intrusive. Based on the vein, 215 feet above and 100 feet ahead, in the Indiana adit, substantially greater widths and grade are almost certainly expected. The development of this vein is important to provide a number of stopes from which a smooth flow of ore to a mill can be provided.

4. Disseminated Deposits - Present exposed disseminated deposits in the tunnel are too low-grade to be of economic interest, but the possibility of more highly-fractured zones, with attendant higher-grade values, should be kept in mind during future exploration. The zone at the end of the tunnel is the most interesting to date and further study of this is warranted.

5. Mine Plant - The surface and mine plant, with recent acquisition of buildings, 2 - 600 cfm compressors, light plant, trammer, cars, and other items, is quite adequate for a small mine operation.

6. General - Past exploration at the Nye mine has indicated the beginnings of an ore reserve. Further exploration and development along the three vein systems, and particularly the Indianapolis vein, has an excellent chance of developing sufficient ore reserves for a profitable operation. It is imperative that this development be done before a mill is constructed. Present goal should be development of enough ore reserves for a 100 ton per day operation, as per ton costs for a smaller mill are too high. Required tonnage would be 150,000 tons for an assumed 5-year operation, which is adequate for amortization of mill costs. Future market outlook for molybdenum is unusually favorable.

RECOMMENDATIONS

1. The following underground exploration is recommended:
   a. Indianapolis Vein - 2000 feet of drifting and 200 feet of raise.
   b. Indiana Vein - 300 feet of drifting.
   c. An additional 500 feet of crosscutting ahead in the main tunnel if surface bulldozing shows a substantial vein.

2. Limited surface bulldozing should proceed at certain selected points on all the vein systems.

3. All the above work should be accompanied by the maximum of sample and assay data, together with progressive geological studies.

4. Submit an application for an Office of Mineral Exploration (OME) loan, which if approved, provides half the cost, and payable at 5% royalty out of production. (Note: This is in progress of submittal.)

Respectfully submitted,

Charles E. Melbye

Charles E. Melbye
Geological Engineer

December 6, 1962

Mr. John Ferry
Vice President
Denver-U.S. National Bank
Denver, Colorado

Dear Mr. Ferry:

Pursuant to the conclusions arrived at in our recent discussions, we hereby are writing to you regarding the availability of loan funds from the Denver-U.S. National Bank to be used for the purpose of exploring our property for a mineral deposit near Apex, Colorado.

For several years now we have been exploring our property to determine the size of a deposit of molybdenum, an important metal. Considerable underground work has been completed. We now plan an extensive core drilling program to determine the depth of the deposit.

We will appreciate your comments concerning the availability of funds for the above exploration work as promptly as possible.

Sincerely,

Robert E. Nye

Robert E. Nye
President

rf

JOHN H FERRY
ASSISTANT VICE PRESIDENT

DENVER UNITED STATES NATIONAL BANK

DENVER U. S. NATIONAL CENTER • DENVER 17, COLORADO • CH 4-8811

December 6, 1962

Mr. Robert Nye
President
Nye Metals, Inc.
Blackhawk, Colorado

Dear Mr. Nye:

In response to your recent letter and conversations we have had, I am setting forth our policy in regard to loans on mining properties. Unless collateralized by high quality listed stocks or bonds, or supported by the guarantee of an individual or a corporate entity acceptable to us, we do not make loans for the purpose of mining exploration. Until such time as exploration and development work proves up ore reserves which can be mined profitably and on which there is some minimal history of operations, we are unable to consider this type application. Where some operating history is available supported by some blocked out reserves, we are occasionally able to work out a term loan arrangement for such things as mill expansion or subsequent development work.

I would be pleased to help you approach private individuals or investment groups for equity or subordinated debt type financing. I understand that various Federal agencies are also in a position to provide funds for the exploration type program you have in mind.

I trust these suggestions will be of some help to you, and if we can be of any further service, please contact us.

Very truly yours,

John H Ferry

Assistant Vice President and
Petroleum Engineer

JHF/vs

THE FIRST NATIONAL BANK IN GOLDEN

GOLDEN, COLORADO

TELEPHONE
CRESTVIEW 9-3351

November 30, 1962

Nye Metals Inc.
Blackhawk, Colorado

Gentlemen:

The First National Bank in Golden is unable to make an exploration loan to the above-named corporation. Due to the speculative purpose for which the funds will be used, we are unable to consider the loan.

Yours very truly,

Wayne O. Tucker

Wayne O. Tucker
Assistant Cashier

WOT:em

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

JUN 27 1961

Hon. Carl Hayden
United States Senate
Washington 25, D. C.

Re: OME-6131 (Copper)
Frank A. Krupp, Sr.
Old Soldier Claim Group
Santa Cruz County, Arizona

Dear Senator Hayden:

Your letter of June 28 to Mr. Marling J. Ankeny, Director, Bureau of Mines, concerning the application of Mr. Frank A. Krupp, Sr., has been referred to me.

We received an incomplete application from Mr. Krupp on June 12. On June 14 we wrote him for additional information pertaining to his application (copies enclosed). To date, he has not replied to our letter.

Sincerely yours,

George Fumich, Jr.

Director

Enclosures

WRGriswold/gla
6-27-61
cc to: Director's Reading File
Region III (2) w/2 cys Senator Hayden's inquiry
Docket

OME
DEPARTMENT OF THE INTERIOR

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

JUN 27 1961

Hon. Carl Hayden
United States Senate
Washington 25, D. C.

Re: OME-6131 (Copper)
Frank A. Krupp, Sr.
Old Soldier Claim Group
Santa Cruz County, Arizona

Dear Senator Hayden:

Your letter of June 20 to Mr. Marling J. Ankeny, Director, Bureau of Mines, concerning the application of Mr. Frank A. Krupp, Sr., has been referred to me.

We received an incomplete application from Mr. Krupp on June 12. On June 14 we wrote him for additional information pertaining to his application (copies enclosed). To date, he has not replied to our letter.

Sincerely yours,

George Fumich, Jr.

Director

Enclosures

WRGriswold/gla
6-27-61
cc to: Director's Reading File
Region III (2) w/2 cys Senator Hayden's inquiry
Docket

OME
DEPARTMENT OF THE INTERIOR

Director.

Mr. [illegible]
[illegible]
Department of the Interior
Washington 25, D. C.

Dear Mr. [illegible]:

I am informed by Frank [illegible]
342 [illegible] Avenue, [illegible]
he [illegible] on [illegible]
in [illegible] the Old Soldier Mine.

In [illegible] I can give a suitable reply to Mr. [illegible] I would be [illegible] for your full advice on this [illegible].

Yours very sincerely,

[illegible]

[illegible]

[illegible]

RECEIVED

JUN 2 3 1961

BUREAU OF MINES,
Office of Director

Director

CARL HAYDEN, ARIZ., CHAIRMAN

[illegible] B. RUSSELL, GA.
[illegible] CHAVEZ, N. MEX.
[illegible] J. B. ENGER, LA.
[illegible] HILL, ALA.
JOHN L. MC CLELLAN, ARK.
WILLIS ROBERTSON, VA.
WARREN G. MAGNUSON, WASH.
SPESSARD L. HOLLAND, FLA.
JOHN STENNIS, MISS.
JOHN O. PASTORE, R.I.
ESTES KEFAUVER, TENN.
A. S. MIKE MONRONEY, OKLA.
ALAN BIBLE, NEV.
ROBERT C. BYRD, W. VA.
GALE W. MC GEE, WYO.
HUBERT H. HUMPHREY, MINN.

STYLES BRIDGES, N. H.
LEVERETT SALTONSTALL, MASS.
MILTON R. YOUNG, N. DAK.
KARL E. MUNDT, S. DAK.
MARGARET CHASE SMITH, MAINE
HENRY DWORSHAK, IDAHO
THOMAS H. KUCHEL, CALIF.
HERMAN L. HRUSKA, NEBR.
GORDON ALLOTT, COLO.
ANDREW F. SCHOEPPEL, KANS.

EVERARD H. SMITH, CLERK
THOMAS J. SCOTT, ASST. CLERK

United States Senate

COMMITTEE ON APPROPRIATIONS

June 20, 1961

Mr. Marling J. Ankeny, Director
Bureau of Mines
Washington [illegible]

Dear Mr. Ankeny:

I am informed by Frank A. Krupp, Sr., 342 Grand Avenue, Nogales, Arizona, that he has sent an application to your office in connection with his desire to develop the Old Soldier Mine.

In order that I can make a suitable reply to Mr. Krupp, I would be obliged for your full advice on this matter.

Yours very sincerely,

Carl Hayden

U.S.S.

P.S. Please address reply to me sending me original and one copy.

RECEIVED

JUN 23 1961

BUREAU OF MINES,
Office of Director

Region III

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

JUN 14 1961

OME
DEPARTMENT OF THE INTERIOR
JUN 20 1961
REGION III
DENVER, COLO.

Mr. Frank A. Krupp, Sr.
6 Anza Drive
Nogales, Arizona

Re: OME-6131 (Copper)
Frank A. Krupp, Sr.
Old Soldier Claim Group
Santa Cruz County, Arizona

Dear Mr. Krupp:

We have your application, dated May 31, 1961, for Government assistance in minerals exploration. In that your application is not complete, we require the following additional material:

1.(a) We have the letters from two banks, but we also require copies of your letters to the banks in which you requested the loan. Also, please provide us with a financial statement showing your assets and liabilities, unless this was already included in your letters of request to the banks.

1.(c) You state that you propose to provide your share of the exploration costs by supervising the project. Experience has shown that such services will not cover an operator's share of the total exploration costs. In addition, the Government does not advance funds for its share of the costs under a contract. An operator pays all of the first month's costs and then submits a voucher on forms furnished by the Government. After approval, the operator is reimbursed for the Government's share of the costs. As it usually takes from two to three weeks to reimburse an operator, he should have sufficient funds at hand to cover all costs for at least the first two months. Thereafter, normally, reimbursement is received by an operator at monthly intervals.

2.(b) We must have a map or adequate sketch showing the claims pertaining to the application.

3.(a) We understand that you propose to excavate an open cut about 150 yards in length along the outcrop, yet the assay submitted for this material does not indicate commercial ore. What would be the purpose for making the excavation?

7. You give little in the way of costs, other than a lump sum. Please provide a full breakdown of these costs; show independent contracts (if any), labor and supervision, the various items of materials and supplies, such as timber, fuel, explosives, track,

OME
DEPARTMENT OF THE INTERIOR
JUN 20 1961
REGION III
DENVER, COLORADO

pipe, steel and bits, et cetera; also power and equipment charges. You may charge depreciation on equipment owned by you which is necessary for the work under the exploration project. The allowed depreciation charge is on a five-year base; you should, therefore, estimate a present fair market value of such equipment. All of the various cost items should be expressed in terms as applied to foot of advance of heading. Give expected rate of advance per shift. We require a minimum of two bids for diamond drilling and any other work to be contracted.

Sincerely yours,

W. R. Griswold (gla)

W. R. Griswold, Chief
Division of Minerals

WRGriswold/gla
6-13-61
cc to: Director's Reading File
Region III (2) w/one copy MMK Form 40 only
Docket

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

JUN 1 4 1961

Mr. Frank A. Krupp, Sr.
6 Anza Drive
Nogales, Arizona

OME
DEPARTMENT OF THE INTERIOR
JUN 20 1961
REGION III
DENVER, COLORADO

Re: OME-6131 (Copper)
Frank A. Krupp, Sr.
Old Soldier Claim Group
Santa Cruz County, Arizona

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2.(b) We must have a map or adequate sketch showing the claims pertaining to the application.

5.(a) We understand that you propose to excavate an open cut about 150 yards in length along the outcrop, yet the assay submitted for this material does not indicate commercial ore. What would be the purpose for making the excavation?

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OME
DEPARTMENT OF THE INTERIOR
JUN 20 1961
REGION III
DENVER, COLORADO

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Sincerely yours,

W. R. Griswold (gla)

W. R. Griswold, Chief
Division of Minerals

WRGriswold/gla
6-13-61
cc to: Director's Reading File
Region III (2) w/one copy MME Form 40 only
Docket

OMME Form 40
Dec. 1958

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION

Budget Bureau No. 42–R1368
Approval expires Dec. 31, 1963

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.)*

Frank A. Krupp, Sr.
6 Anza Drive, Nogales, Arizona

OME
DEPARTMENT OF THE INTERIOR
JUN 20 1961
REGION III
DENVER, COLORADO

APPLICANT DO NOT USE THIS BLOCK

DOCKET NUMBER: OME-6131

DATE RECEIVED: 6-12-61

REGION: III

DIVISION CODE: 500

BUSINESS ORGANIZATION *(Check one)*

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

STATE IN WHICH FIRM IS ORGANIZED

LIST CORPORATE OFFICERS OR PARTNERS HERE, IF APPLICABLE

NAME	ADDRESS	TITLE
My two sons, Frank, Jr., and Nils Krupp will wave their interest with me in case of a contract, but will resume their interest in case of my death.		

MINERAL(S) FOR WHICH YOU WISH TO EXPLORE: Gold, silver, copper

ESTIMATED COST OF PROJECT: $ Forty Five Thousand Dollars

PROPERTY NAME	LOCATION COUNTY	STATE
Old Soldier	Santa Cruz	Arizona

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 four copies of this application and all accompanying papers* except as otherwise noted. Place your name and address on each sheet. Each item of information, maps, and reports required as a part of this application is described on the back of this form. Identify each attached statement by the item number to which it applies. If an item does not apply to your application, show the item number on your statement and after it write "not applicable." Maps or sketches should be used to supplement narrative descriptions of the property location and boundaries in item 2, existing mine workings and geology in item 3, and the proposed exploration work in item 5. When this information is not too complex, all of it may be shown on one map or sketch. All documents and other attachments submitted as a part of this application, except those in item 3(g) which you mark to be returned, become the property of the Government and will not be returned to the applicant. Send true copies, *not originals*, of leases, contracts, and other documents which are an essential part of your business records. *File this application with the Office of Minerals Exploration, Department of the Interior, Washington 25, D. C., or with the nearest OME Field Office.*

CERTIFICATION

The undersigned, whether as an individual, corporate officer, partner, or otherwise, both in his own behalf and acting for the applicant, certifies that the information set forth in this form and accompanying papers is correct and complete, to the best of his knowledge and belief, and that he would not ordinarily undertake the proposed exploration under current conditions and circumstances at his sole expense.

5/31/1961
DATED

Frank A. Krupp Sr.
BY (Signature)

Owner of mine
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 exploration [redacted] cost.

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.

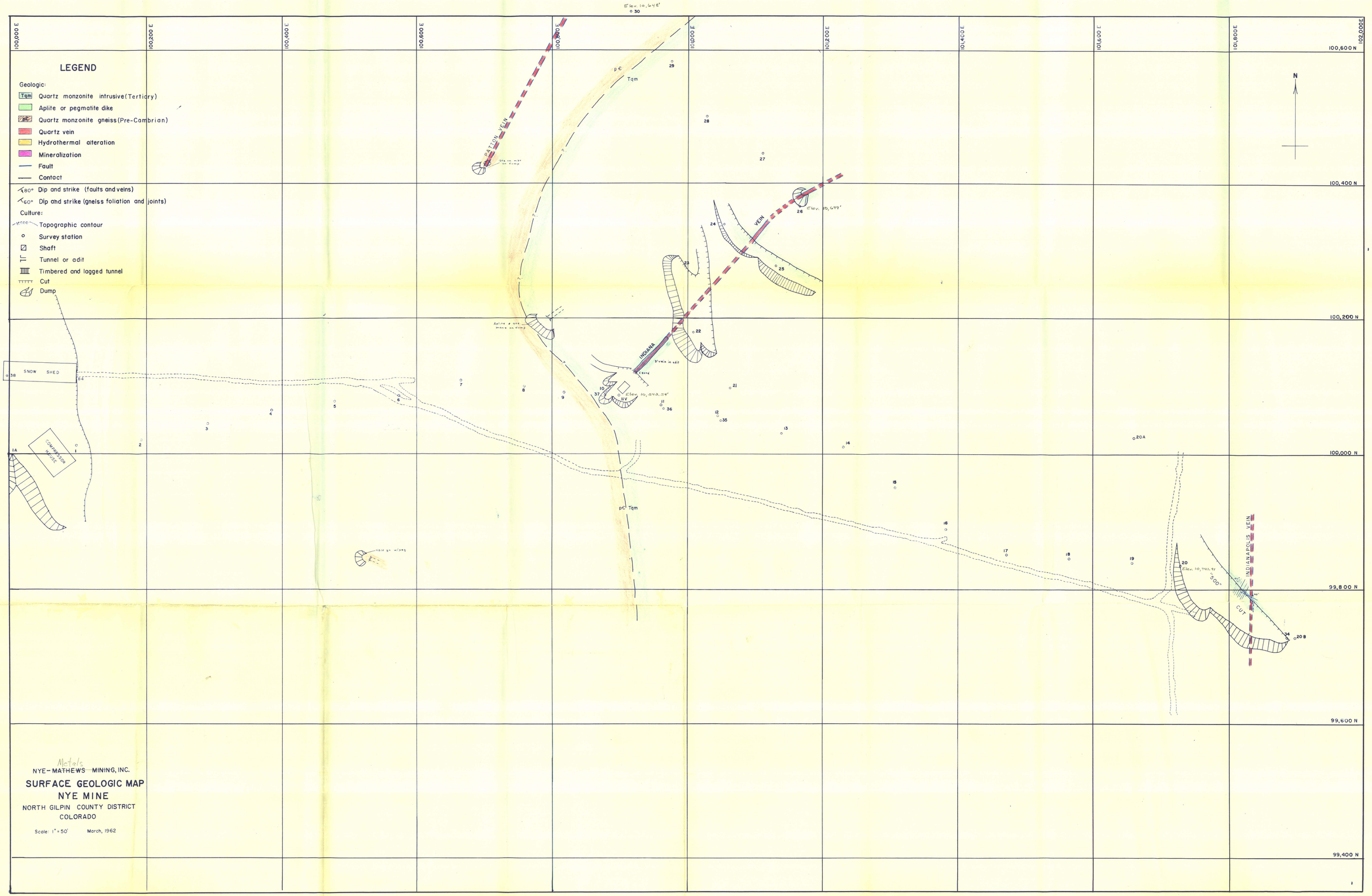
(d) Operating equipment. List items of equipment and tools costing $50 or more per unit. Give specifications and indicate how each item is to be acquired—i.e., rented, purchased or provided by the applicant. If rented or purchased, state the estimated rental or purchase price. If furnished by the applicant, 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. 48740



C.E. MELBYE, GEOLOGICAL ENGINEER

100,000 E | 100,200 E | 100,400 E | 100,600 E | 100,800 E | 101,000 E | 101,200 E | 101,400 E | 101,600 E | 101,800 E | 102,000 E

100,600 N

LEGEND

Geologic:

- Tqm — Quartz monzonite intrusive (Tertiary)
- Aplite or pegmatite dike
- Pzg — Quartz monzonite gneiss (Pre-Cambrian)
- Quartz vein
- Hydrothermal alteration
- Mineralization
- Fault
- Contact

80° Dip and strike (faults and veins)

60° Dip and strike (gneiss foliation and joints)

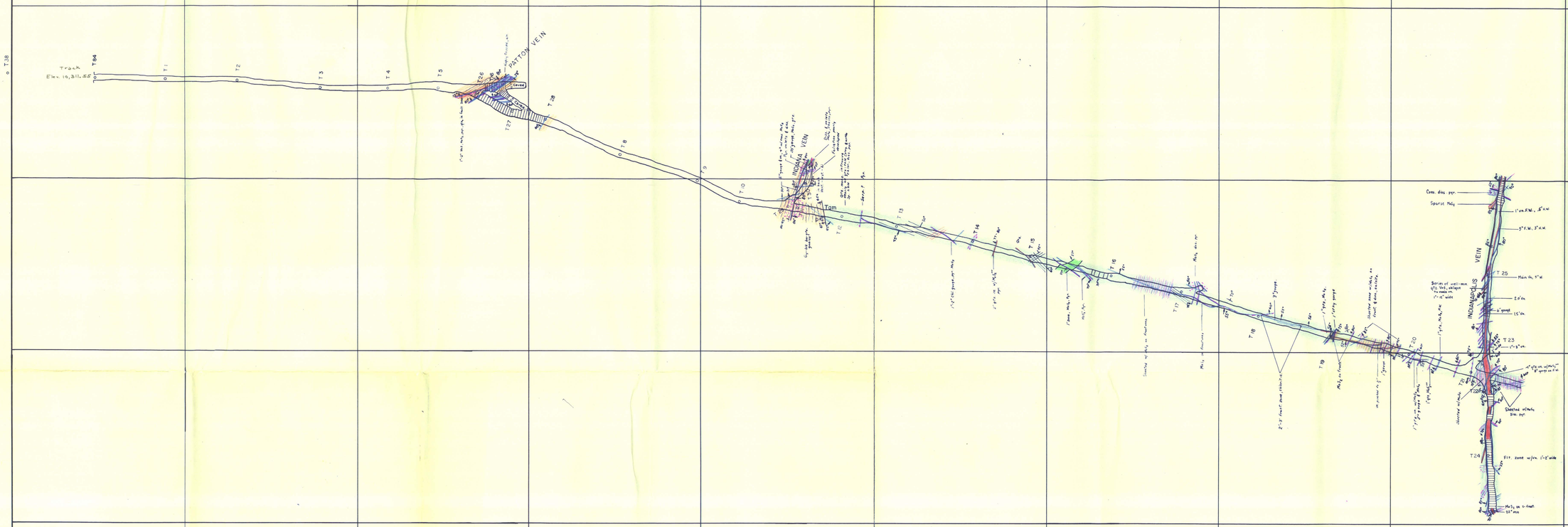
Culture:

- 10000 — Topographic contour
- Survey station
- Shaft
- Tunnel or adit
- Timbered and lagged tunnel

N

100,400 N

100,200 N



100,000 N

99,800 N

99,600 N

Metals

NYE- MATHEWS MINING, INC.

UNDERGROUND GEOLOGIC MAP
NYE MINE

NORTH GILPIN COUNTY DISTRICT

COLORADO

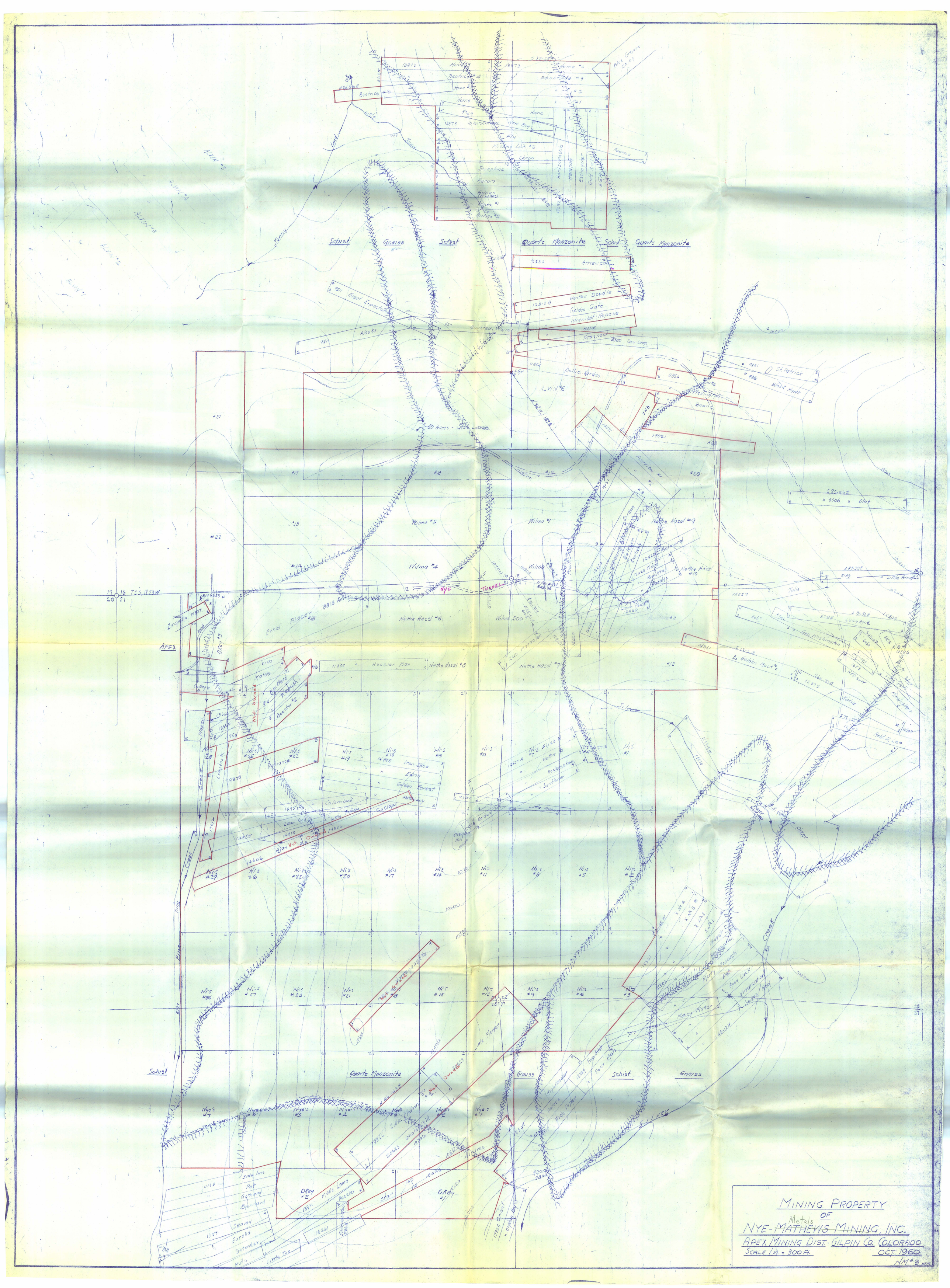
Scale 1" = 50' March, 1962

99,400 N

PLATE 2

C.E. MELBYE, GEOLOGICAL ENGINEER

MINING PROPERTY
OF
NYE-MATHEWS MINING, INC.
APEX MINING DIST. - GILPIN CO. COLORADO
SCALE 1 in. = 300 Ft.
OCT. 1960
NM #3
Schist
Gneiss
Schist
Quartz Monzonite
Schist
Quartz Monzonite
Quartz Monzonite
Gneiss
Schist
Gneiss
Schist
APEX
17 16 T2S, R73W
20 21
Nye
TUNNEL
80 Acres - State Lease
A-V-N #6
Jenny
Lind
Great Expectation
Alaska
Blighted Hope
American
Yankee Doodle
Golden Gate
Midnight Repose
Hope
Prospect
Dew Drop
Dollie Varden
Duke
Wellington
Boone
St. Patrick
Black Hawk
Olive
Julia
Little Anna
Lucy Anna
Geo. Washington
Golden Rock
Robt. E. Lee
Manhattan
Katie
Wilma #1
Wilma #2
Wilma #4
Wilma 500
Nettie Hazel #6
Nettie Hazel #7
Nettie Hazel #8
Nettie Hazel #9
Nettie Hazel #10
Ethel Placer #15
Hoosier Bar
Zingvilla 12807
OKey #3
Villa
Kate's
H.W. Mead
Wabash
Booster #2
Not Owned
Comstock
Reliance
Pine Creek Placer
Iron Shoe
Edna
Golden Forest
Columbine
Little Topsy
Cyclops
Lean Boy
Ajax
Oregon Hill
Hattie B
Redemption
Sunflower
Little Beone
Silver
Creek
Narragansett
Little Flower
Little Melvin
Omaha Hill
Nye's #1
Nye's #2
Nye's #3
Nye's #4
Nye's #5
Nye's #6
Nye's #7
Highlander
Palace
Pied Piper
Two Pint
Poor Man
Money Maker
Midget
Merry Monarch
Pet
Good Luck
Vindication
Golden Rod
Side line
Pat
Gathard
Bernard
Seavey
Eureka
Defender
Hula
Little Toe
Malla Loma
Puzzler
Star
OKey #1
OKey #2
Orient
Orphan Boy


MINING PROPERTY
OF
Metals
NYE-MATHEWS MINING, INC.
APEX MINING DIST. - GILPIN CO. COLORADO
SCALE 1 in. = 300 Ft.
OCT. 1960
NM #3
Schist
Gneiss
Quartz Monzonite
Apex
Wilma #2
Wilma #4
Wilma #1
Nettie Hazel #9
Nettie Hazel #6
Wilma 500
Nettie Hazel #8
Nettie Hazel #7
Nettie Hazel #10
Hoosier Bar
Alpha
Great Expectations
Alpha
Dollie Karden
A.V.I.N. #6
80 Acres - State Lease
Wellington
Boom 2
St. Patriot
Black Hawk
Olive
Little Bonnie
Julia
Lucy Ann
Geo. Hibbington
Golden Rock
Silver
Creek
Pine
Nye's #7
Nye's #6
Nye's #5
Nye's #4
Nye's #3
Nye's #2
Nye's #1
Nis #30
Nis #27
Nis #24
Nis #21
Nis #18
Nis #15
Nis #12
Nis #9
Nis #6
Nis #3
Nis #29
Nis #26
Nis #23
Nis #20
Nis #17
Nis #14
Nis #11
Nis #8
Nis #5
Nis #2
Nis #19
Nis #16
Nis #13
Nis #10
Nis #7
Nis #4
Nis #1
Not Owned
Okey #2
Okey #1
Malo Loma
Puzzler
Star
Little Flower
Poor Man
Pride Piper
Hindsander
Money Maker
Good Luck
Mary Monarch
Redemption
Sunflower
Iron Shoe
Edna
Golden Forest
Columbine
Cyclops
Little Topsy
Lean Bob
Ajax
Oregon Hill
Golden Crown
Little Bonnie
Aurora
Josepline
Fly
Midnight Lark #2
Church
Beatrice #5
Home #3
Beatrice #2
Home #2
Brian-Gold #3
Home
New Boy
Intersection
Blue Grouse Canon
Great Expectations
Alpha
Brighton Hope
Golden Gate
Midnight Repose
Hope
Prospect
Dew Drop
Dollie Karden
Wellington
Boom 2
Fairview #1
Fairview #2
Cordova
Belgian
Kentucky
Bellerophon
Pollard
Trojan
Bellerophon
Rudolph
Hindsander
Crown Point
Hoosier Bar
Nettie Hazel #8
Nettie Hazel #7
Nettie Hazel #10
Nettie Hazel #9
Nettie Hazel #6
Wilma 500
Ethel Placer #15
Ingville
Okey #3
Apex
Villa
Kates
Kit Head
Wabash
Booster #2
Not Owned
Alliance
Constitution
Iron Shoe
Edna
Golden Forest
Columbine
Cyclops
Little Topsy
Lean Bob
Ajax
Not Owned
Oregon Hill
Golden Crown
Little Bonnie
Aurora
Josepline
Fly
Midnight Lark #2
Church
Beatrice #5
Home #3
Beatrice #2
Home #2
Brian-Gold #3
Home
New Boy
Intersection
Blue Grouse Canon
Great Expectations
Alpha
Brighton Hope
Golden Gate
Midnight Repose
Hope
Prospect
Dew Drop
Dollie Karden
Wellington
Boom 2
St. Patriot
Black Hawk
Olive
Little Bonnie
Julia
Lucy Ann
Geo. Hibbington
Golden Rock
Silver
Creek
Pine
Nye's #7
Nye's #6
Nye's #5
Nye's #4
Nye's #3
Nye's #2
Nye's #1
Not Owned
Okey #2
Okey #1
Malo Loma
Puzzler
Star
Little Flower
Poor Man
Pride Piper
Hindsander
Money Maker
Good Luck
Mary Monarch
Redemption
Sunflower
Iron Shoe
Edna
Golden Forest
Columbine
Cyclops
Little Topsy
Lean Bob
Ajax
Not Owned
Oregon Hill
Golden Crown
Little Bonnie
Aurora
Josepline
Fly
Midnight Lark #2
Church
Beatrice #5
Home #3
Beatrice #2
Home #2
Brian-Gold #3
Home
New Boy
Intersection
Blue Grouse Canon
Great Expectations
Alpha
Brighton Hope
Golden Gate
Midnight Repose
Hope
Prospect
Dew Drop
Dollie Karden
Wellington
Boom 2
St. Patriot
Black Hawk
Olive
Little Bonnie
Julia
Lucy Ann
Geo. Hibbington
Golden Rock
Silver
Creek
Pine
Schist
Quartz Monzonite
Gneiss
Schist
Gneiss
Schist
Quartz Monzonite
Schist
Gneiss