MME Form 40
(Revised Nov. 71)

Form approved
Budget Bureau No. 42-R1368

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.)*

Charles H. Turner and Anne Z. Turner
d/b/a Hamilton Resources Corporation
P.O.Box 3224 HiMar Station
Boulder, Colorado 80303

APPLICANT DO NOT USE THIS BLOCK

DOCKET NUMBER

DATE RECEIVED

REGION

DIVISION CODE

BUSINESS ORGANIZATION *(Check one)*

INDIVIDUAL	
CORPORATION	X
PARTNERSHIP	
OTHER *(Specify)*	

STATE IN WHICH FIRM IS ORGANIZED: Colorado

LIST CORPORATE OFFICERS OR PARTNERS HERE, IF APPLICABLE

NAME	ADDRESS	TITLE
Charles H. Turner	P.O.Box 3224 HiMar Sta. Boulder, Colorado 80303	President
Anne Z. Turner	P.O.Box 3224 HiMar Sta. Boulder, Colorado 80303	Secretary

MINERAL(S) FOR WHICH YOU WISH TO EXPLORE: Silver and gold

ESTIMATED COST OF PROJECT: $35,796.20

PROPERTY NAME	LOCATION COUNTY	STATE
San Juan Mine	San Miguel	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. II). 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 Department of the Interior, U.S. Geological Survey, Office of Minerals Exploration, 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.

November 10, 1972
DATED

Charles H. Turner
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

(submit on accompanying pages)

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 (1) *true copies of your letters to credit sources* which show date of loan request, amount and terms requested, and proposed use of loan funds and (2) *true copies of 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 signed by owner on MME Form 52. If the agreements cannot be obtained, state reasons and whether you can furnish a performance bond.

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.

(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) 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. State your reasons for expecting to find ore.

(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, address, and telephone number 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 on maps also the relation of the proposed work to any existing mine workings and to *claim boundaries* or to the closest identifiable corner.

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(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 time and materials *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.

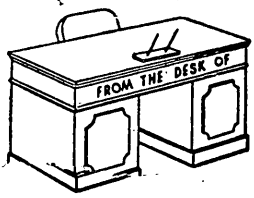
(c) Operating materials and supplies. List items of material and supplies giving quantity and price of each. Include under this heading power, water, and fuel, and units of equipment and tools costing less than $50 each.

(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 and mobilization charge. 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, and materials.

(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.)]



Charles H. Turner

3-25-79

Dear Bill:

Enclosed are originals and copies of the new bank correspondence.

Also, my letter and copy, pertaining to the revised total cost of the program.

Wd J

HAMILTON RESOURCES CORPORATION

P.O. BOX 3224 HIMAR STATION BOULDER, COLORADO 80303 (303) 499-3330

March 25, 1974

Security Bank of Boulder
825 South Broadway
Boulder, Colorado 80303

Gentlemen:

Hamilton Resources Corporation is planning a program of exploration for gold and silver, at its San Juan Mine, in San Miguel County, Colorado.

The total cost of the proposed program is estimated at $35,796.20, of which $26,847.15 must be borrowed.

Please advise as to your interest in financing this project.

Very truly yours,

HAMILTON RESOURCES CORPORATION

Charles H. Turner

Charles H. Turner
President

March 25, 1974

Mr. Charles H. Turner
President
Hamilton Resources Corporation
P. O. Box 3224 HiMar Station
Boulder, Colorado 80303

Dear Mr. Turner:

I regret to say that Security Bank of Boulder would not be able at this time to lend you $26,847.15 for the purpose of exploration of gold and silver. Therefore, your loan request is denied.

Sincerely,

SECURITY BANK OF BOULDER

Karen K. Williams
Cashier

KKW/jb

HAMILTON RESOURCES CORPORATION

P.O. BOX 3224 HIMAR STATION BOULDER, COLORADO 80303 (303) 499-3330

March 25, 1974

First National Bank
Boulder
Colorado

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Very truly yours,

HAMILTON RESOURCES CORP.

Chas H Turner

Charles H. Turner
President

FIRST NATIONAL BANK
IN BOULDER

1800 BROADWAY
BOULDER, COLORADO 80302

March 25, 1974

Mr. Charles H. Turner, President
Hamilton Resources Corporation
P O Box 3224 HiMar Station
Boulder, Colorado, 80303

Dear Mr. Turner;

Thank you for your letter of even date concerning your needs for $26,847.15 to assist in your program of exploration for Gold and Silver in San Miguel County Colorado.

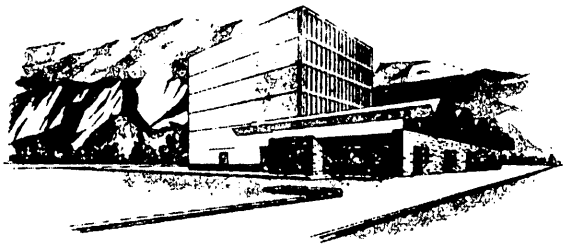
The tight money situation is still with us and we are not at this time advancing money for use out of our immediate area, and we are becoming more selective in the types of collateral we will accept.

We are sorry that we are not interested in your program at this time.

Respectfully,

Bernard R. Miles

Bernard R. Miles
Vice President



HAMILTON RESOURCES CORPORATION

P.O. BOX 3224 HIMAR STATION BOULDER, COLORADO 80303 (303) 499-3330

March 25, 1974

Mr. J. William Hasler
Field Officer, Region III
O M E, USGS
Denver Federal Center, Bldg.53, Room 28
Denver, Colorado 80225

Re: OME-6885 (Silver-Gold)
San Juan Mine - Revised Program

Dear Mr. Hasler:

This is to confirm that I am willing and able to provide my share (25%) of the cost of the revised program, estimated at $35,796.20.

My share of this amount is $8,949.05.

Very truly yours,

HAMILTON RESOURCES CORP.

Chas H Turner

Charles H. Turner
President

Received 2/20/74

FROM THE DESK OF

Charles H. Turner

2-19-74

Dear Bill

I am enclosing the new correspondence with two banks, together with the offer to do the bulldozer work.

I believe the requirements have all been taken care of.

OME Region III
RECEIVED
FEB 20 1974

FARMER'S CONSTRUCTION CO.
Box 58, Placerville, Colorado 81430

Feb.12, 1974

Hamilton Resources Corp.
Box 3224 HiMar Sta.
Boulder, Colo. 80303

Dear Sirs:

We hereby offer to perform up to thirty (30) hours of road building, using a D7 machine, at a price of $27.50 per hour, this work to be done at the San Juan mine property, at Matterhorn, San Miguel County, Colorado.

Very truly yours,

FARMER'S CONSTRUCTION CO.

R. L. Farmer

R. L. Farmer
Manager

HAMILTON RESOURCES CORPORATION

P.O. Box 3224 HiMar Station Boulder, Colorado 80303 (303) 499-3330

Feb.8, 1974

First National Bank
Boulder
Colorado

Gentlemen:

Hamilton Resources Corp. is planning a program of exploration for gold and silver at its San Juan mine property, in San Miguel County, Colorado.

This work will consist of diamond core drilling to intersect the downward extension of a previously mined orebody, at an estimated cost of $19,503.00.

Please advise as to your interest in financing this project, together with your terms.

Thank you for an early reply.

Very truly yours,

HAMILTON RESOURCES CORP.

Charles H. Turner
President

FIRST NATIONAL BANK
IN BOULDER

1800 BROADWAY
BOULDER, COLORADO 80302

February 12, 1974

Mr. Charles H. Turner, President
Hamilton Resources Corporation
P O Box 3224 HiMar Station
Boulder, Colorado 80303

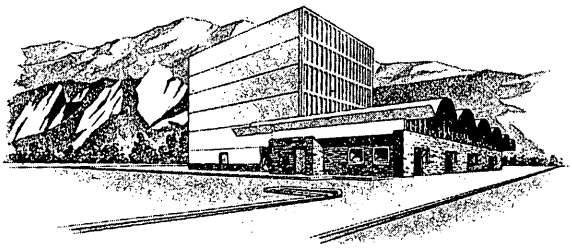
Dear Mr. Turner:

Your request for a loan in the amount of $19,503.00 for a two year period, to be used drilling and exploring your San Juan mining property in San Miguel County, has been declined. With this extremely tight money market we are not interested at this time in advancing funds for use outside of our immediate area.

Respectfully,

Bernard R. Miles

Bernard R. Miles
Vice President



HAMILTON RESOURCES CORPORATION

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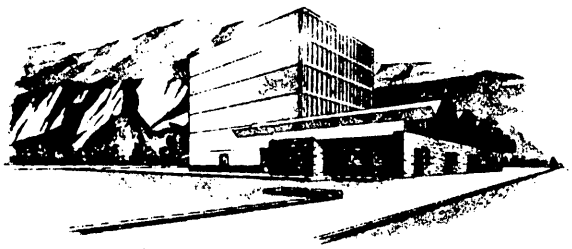

HAMILTON RESOURCES CORPORATION

P.O. Box 3224 HiMar Station Boulder, Colorado 80303 (303) 499-3330

February 8, 1974

Security Bank of Boulder
825 South Broadway
Boulder, Colorado 80303

Gentlemen:

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This work will consist of core drilling to intersect the downward extension of a previously mined orebody, at an estimated cost of $19,503.00.

Please advise as to your interest in financing this project, together with your terms.

Thank you for an early reply.

Very truly yours,

HAMILTON RESOURCES CORP.

Charles H. Turner

Charles H. Turner
President

February 15, 1974

Mr. Charles H. Turner
Hamilton Resources Corp.
P.O. Box 3224 High Mar Station
Boulder, Colorado 80303

Dear Mr. Turner:

Security Bank of Boulder is not interested in making any loan to you or your corporation for the purpose of mining exploration.

Sincerely,

Gary Lewien
Vice President

GL:rf

HAMILTON RESOURCES CORPORATION

P.O. Box 3224 HiMar Station Boulder, Colorado 80303 (303) 499-3330

February 8, 1974

Security Bank of Boulder
825 South Broadway
Boulder, Colorado 80303

Gentlemen:

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President

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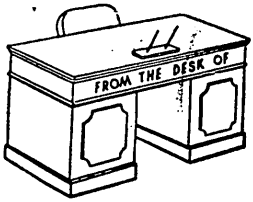

Charles H. Turner

FEB 11 1974

2-8-74

Dear Bill:

I am enclosing original and copy each of the revised application page and the Estimate of Costs.

The bank letters should be ready by the first of next week, but the letter pertaining to the bulldozer work will require more time since it will come from Placerville.

Neil

MME Form 40
(Revised Nov. 71)

Form approved
Budget Bureau No. 42-R1368

FEB 11 1974

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

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(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 and mobilization charge. 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, and materials.

(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.)]

MME Form 40
(Revised Nov. 71)

Form approved
Budget Bureau No. 42-R1368

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.)*

Charles H. Turner and Anne Z. Turner
d/b/a Hamilton Resources Corporation
P.O.Box 3224 HiMar Station
Boulder, Colorado 80303

APPLICANT DO NOT USE THIS BLOCK

DOCKET NUMBER

DATE RECEIVED

REGION

DIVISION CODE

BUSINESS ORGANIZATION *(Check one)*

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

STATE IN WHICH FIRM IS ORGANIZED Colorado

LIST CORPORATE OFFICERS OR PARTNERS HERE, IF APPLICABLE

NAME	ADDRESS	TITLE
Charles H. Turner	P.O.Box 3224 HiMar Sta. Boulder, Colo. 80303	President
Anne Z. Turner	P.O.Box 3224 HiMar Sta. Boulder, Colo. 80303	Secretary

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

ESTIMATED COST OF PROJECT
$19,503.00

PROPERTY NAME	LOCATION COUNTY	STATE
San Juan Mine,	San Miguel,	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. II). 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 Department of the Interior, U.S. Geological Survey, Office of Minerals Exploration, 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.

November 10, 1972
DATED

Charles H. Turner
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

(submit on accompanying pages)

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 (1) *true copies of your letters to credit sources* which show date of loan request, amount and terms requested, and proposed use of loan funds and (2) *true copies of 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 signed by owner on MME Form 52. If the agreements cannot be obtained, state reasons and whether you can furnish a performance bond.

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.

(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) 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. State your reasons for expecting to find ore.

(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, address, and telephone number 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 on maps also the relation of the proposed work to any existing mine workings and to *claim 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 time and materials *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 price 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 and mobilization charge. 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, and materials.

(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.)]

Office of Minerals Exploration
Building 53 Room 28

June 5, 1974

Memorandum

To: Chief, Office of Minerals Exploration

From: Field Officer, Region III

Subject: OME-6885 (Silver-Gold)
Charles H. Turner and Anne Z. Turner
d/b/a Hamilton Resources Corporation
San Juan Mine
San Miguel County, Colorado

Enclosed herewith is a revised estimated cost breakdown for the proposed contract pursuant to our telephone conversation Tuesday, June 4th. The costs are those I gave you on the telephone today, after having conferred with Mr. Turner in my office.

You indicated that our share at 75% participation would total $24,700.00, or a total estimated cost of $32,933.00, consequently I proposed only 250 feet of drifting so as to include some long hole drilling to test the footwall and the hanging wall for possible splits in the vein or any parallel structures. The Applicant also thought it wise to include prices for lead assays as well as for gold, silver and copper.

Even though the maximum footage of proposed drifting is reduced, the three month time in which to complete the work should remain the same and as you suggested allow a year from the date of the contract in which to complete the proposed exploration work, due to probable breakdowns or other delays that are inherent in mine exploration, projects at high elevations in the Rocky Mountains.

cc: OME-6885✓
Mr. Turner
OME chron
Mr. Hasler

J. William Hasler

J. William Hasler,
Field Officer, Region III
Office of Minerals Exploration

Estimated Costs of the Work

Fixed Unit Costs 1/ 2/

Drifting, including timbering, 250 feet at $87.00/ft	$21,750.00	
Long-Hole Drilling 800 feet at $1.50/ft	$1,200.00	
Supervision, 3 months at $1,500.00 per month	$4,500.00	
Outside Consultant, 3 days at $125.00	$375.00	
Per Diem, consultant, 3 days at $25.00	$75.00	
Transportation for consultant 2,167 miles at 0.12¢/mile	$260.00	
Office, Reporting and Accounting 3 months at $50.00/month	$150.00	
Payroll taxes 15% of $13,050.00	$1,958.00	
	$30,268.00	$30,268.00

Actual Costs

Bulldozing, D-7 caterpillar 30 hours at $27.50/hr.	$825.00	
Assaying and sampling		
150 samples (Au, Ag, Cu) $8.50/sample	$1,275.00	
150 samples (Pb) at $3.25/sample	$487.50	
	$2,587.50	$2,587.50

Total Estimated Cost of the Work $32,855.00

Government Participation at 75% $24,641.25

Operator's Participation at 25% $8,213.75

1/ Includes all costs whatsoever such as mobilization and demobilization, labor, equipment, materials and supplies, and services.

2/ The Government retains no equity in any of the equipment or materials used.

United States Department of the Interior
GEOLOGICAL SURVEY
Denver Federal Center
Denver, Colorado 80225
Central Mineral Resources

IN REPLY REFER TO:

AE Region III
RECEIVED
MAR 5 - 1973
Denver Colorado

March 1, 1973

MEMORANDUM

TO : Bill Hasler

FROM : Cal Bromfield

SUBJECT : Informal comments on the San Juan claims, San Miguel Co., Colo.

The San Juan claims are located on a vein that is but one of several westerly trending veins that cut the intrusive and adjacent country rocks in the Trout Lake and adjoining Iron Springs mining districts. The veins are all relatively narrow fissure veins of steep dip. Production from individual veins has ranged from a few hundred or thousand tons to 100,000 tons or more. Production has ranged in value from a few thousand to over a million dollars. The chief product has been silver together with lead, copper, and gold. The mines have had a history of intermittent activity during times of favorable economic conditions, none has been a continuous producer. The largest mines were the Butterfly-Terrible (about a half mile north of the San Juan claims) with a production of $1.42 million; the Silver Bell, east of the Butterfly, with a production of $1.65 million, and the San Bernardo, west of the San Juan claims, with a production of about $1 million.

I visited the San Juan claims about ten years ago while mapping the Mt. Wilson quadrangle. Most of the levels were inaccessible at that time; the vein itself is concealed under a cover of colluvium on the steep wooded slopes. My observations, which were restricted to the lower level and outcrops at several portals, are reported in Bulletin 1227, p. 87. As noted there, the vein is typically quite narrow--3 to 8 inches in width--though anastomosing stringers may locally increase the width to 2-3 feet. The assay widths submitted by Turner no doubt give a reasonable picture of the vein widths. Stoped areas were probably somewhat wider.

The San Juan vein is approximately on strike with the San Bernardo vein system on the west side of the valley and it is probable that both are along the same fracture system. Between 1902-1928 the San Bernardo had a modest production of 1520 oz. Au, 607,000 oz. Ag, 2,830,000 lbs. of lead and 240,000 lbs. of Cu. In addition between its discovery in 1877 and 1902 there was certainly a considerable production. Purington who visited the property in 1896 comments in unpublished Survey field notes that during 1891-95 the mine produced ore valued at $130,000, chiefly in silver. No production of record is known for the San Juan claims, but a very meager production is indicated by a small amount of stoping.

My general impression at this distance in time is that the San Juan vein was similar in its strength and general characteristics to the San Bernardo,

but obviously no strong ore shoot has yet been developed. The optinum target that might be hoped for is an ore body similar to the San Bernardo or the Butterfly-Terrible. Records of production from these mines suggest that the tenor of a newly discovered ore body would most likely be in the range of .02-.06 ounces of gold, 6-7 ounces of silver, 1-2 percent lead, and about .2-1.5 percent copper.

.04 oz Au @ $111.18/oz	=	$4.44
6.50 oz Ag @ $3.24/oz.	=	21.06
1.5% Pb = 30# lb @ .18c/lb	=	5.40
1.0% Cu = 20# lb @ .68¢/lb	=	13.60
		$44.50

1/15/74

.04 Au – $125.00/oz Au	—	5.00
6.50 Ag $3.47/oz Ag	—	22.55
1.5 Pb Pb (30#) 0.19¢/lb Pb	—	5.70
1.0% Cu (20#) 0.68¢/lb Cu	—	13.60
		$46.85

Illegible
12

121

Fixed Unit Costs

Drifting including timbering
350 feet @ $87.00 / ft. $31,750.00

Long-Hole Drilling
800 feet @ $1.50 / foot 1,200.00

Supervision 4,500.00

Outside Consultant 3 days @ $125.00 375.00
Ron Dunn, Consultant 3 days @ 25.00 75.00
Transportation for Consultant
2,167 miles @ .12¢ / mile 260.00

Office, Engineering & Accounting 150.00

Payroll Taxes 15% of $13,050.00 = 1,958.00
$30,268.00

30,268.00

Actual Costs

Bull Dozing, D-7 Caterpillar
30 Hrs @ 22.50 / Hr 825.00

Assaying & Sampling
150 Samples (Au, Ag, Cu) @ $8.50 / sample 1,275.00
150 samples, Pb @ $3.25 / sample 487.50
$2,587.50

Gov't Part at 75% $24,641.25
Op at 25% 8,213.75
$32,855.00

$32,855.00

24,700 Gov't
8,233 Op
$32,933.00

St Vincent
Kay Barnett
Buffalo Creek Co
Art Kimball

Plot
Bar graph
Assaying
150
300

$32,933.00 Total Est Cost Allowable

H 21

Fixed Unit Cost

Drilling including Footage
Depth 260 feet @ 87.00/foot 22,620.00
Long Holes Drilling 800'@ 1.50 1,200.00
1 - Supervision 4,500.00
1 Outside Consultant 375.00
Geo. Drilling Consultant 75.00
Transportation, Consultants
2,667 miles @ 12 cents 260.00 rounded
Office, Typing, Clerical 150.00
Payroll Taxes 15% @ 13,050.00 1,958.00
8,518.00
$31,138.00

Actual Costs

Bull Dozing D-7 Cat
30 Hrs @ 27.50 825.00
Assaying & Sampling - 180 samples
@ 8.50/sample (Au, Ag, Cu) 1,275.00
2,100.00

Total Est Costs $33,238.00
Overrun Cost 24,737.00

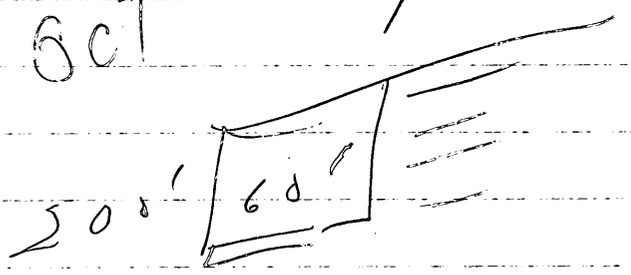
2500

1

July 15 1
30 1

Aug — 1

Oct 1



Drafting

2 juniors.	$ 6,000.00
1 helper	2,550.00

Operating Mat. Supplies	7,164.50
Operating Equipment	7,380.00
Miscellaneous	780.00
Services (Power, etc)	2,250.00
	$ 26,124.50
	− 2,864.50
	$ 23,260.00

(300) $ 87.00 / 26,124.50

267,35

1/4

287.00

300

23.259

26,12000

26,125.00

87

182875.00 Fixed Cost $ 8,668.00

Actual Cost 2,355.00

Drafting: 300 287.0 / $ = 26,124.50

37,147.50

Dry Hole < 1,350.00

35,797.50

32,933.00

$ 2,864.50

75% 24,700.00 Cost Price

25% 8,233.00

₱32,933.00

9250

87.00

1750.00

2000

2,175.00

35,297.00

32,933.00

₱2,364.00

8.50

150

4250

850

1275.00

87.08

300) 26,124.50

₱23,260.50

87.00

2675

600

4.50

8

12.00

23,260.50

5,100.00

3) 15300

10

3) 180

60

12

200

800

150

4000

800

12,000

850

120

1700

850

102

6.50

12

18.00

60

120

60

3) 180

Bal. - Contd to approved applications for no funds 6/4/74

Tuesday

Actual -

> Call:

Costs - Cost / foot.

Recalculated

$ 24,700.00

no feet of Drill - w/ 4 3/7

Bull Dog.

Fixed Chart

Bulk

Actual -

Supervisor - Head Eng. Asst. - cost Drill: pd 260.00 Firm

assaying -

Bull Dog

Miscellaneous

Drill

Misc

Pendarvis 75.00

Bulk Bar - 375.00

Sup. Eng -

$ 87.00

Balance = actual work

Drafting X

Assay

Truck out

Bull Dog -

Supervisor 4,500

Eng.

Asst. Drill Crew 375

$ 24,700.

Bulk 825.00

Ass 2,115.00

Misc 150.00

Fig 1,958.00

10,258.7

15 $ 24,700.00 75%

8 233.00

$ 32,933.00

26,847.15 : 75 = 8,949

7

24,700.00 : 75 = 100.00 : X

26,847.15 : 75 = 24,700.00 : X

75X

3,293.33

24 700.00

$ 27,993.33

2,164

.12 ⟌ 260.00

24

20

12

80

72

80

12

8

96

2,164

.12

4328

2164

259.92

Assaying

Cost of Drying - D

2,167

.12

4334

2167

260.04

Office of Minerals Exploration
Building 53 Room 28

April 10, 1974

Memorandum

To: Chief, Office of Minerals Exploration

From: J. William Hasler, Field Officer, Region III

Subject: OME-6885 (Silver-Gold)
Charles H. Turner and Anne Z. Turner
d/b/a/ Hamilton Resources Corporation
San Juan Mine
San Miguel County, Colorado

Transmitted herewith is the applicant's chain of title on the S. B. Kenrick and San Juan lode claims, including copies of the instruments of conveyance for your use, should a contract be prepared.

In the estimate of costs for the proposed exploration work the assays for samples, lead was inadvertently omitted, and should have been included. Therefore, assays for Au, Ag, Cu and Pb should be allowed. Allow for 180 determinations for Pb at $3.25 each, for a total estimated cost of $585.00. This will bring the total estimated cost for the entire exploration program to $36,381.20, instead of $35,796.20.

J. William Hasler

J. William Hasler,
Field Officer, Region III
Office of Minerals Exploration

Enclosures

cc: OME-6885
OME chron
Mr. Hasler

HAMILTON RESOURCES CORPORATION

P.O. BOX 3224 HIMAR STATION BOULDER, COLORADO 80303 (303) 499-3330

April 4, 1974

Mr. J. William Hasler
Field Officer, Region III
O M E, USGS
Denver Federal Center
Denver, Colorado 80225

Re: Chain of Title,
S.B.Kenrick and San
Juan lode claims.

Dear Mr. Hasler:

The S.B.Kenrick lode claim (Surv.2683) was owned and operated by certain of my ancestors, since well before the beginning of this century. However, taxes on the property eventually became delinquent, due to deaths in the family. I redeemed the property in 1944, and received a Treasurer's Deed, dated January 19, 1944.

Subsequently I acquired title to the San Juan lode and millsite (1167 A and B), by virtue of deeds from San Miguel County, dated July 21, 1947 and May 11, 1948.

On May 31, 1949 I conveyed the property to The San Juan Mining & Developing Co., which was under my control.

On October 31, 1969 the San Juan M & D. Co. was sold to new interests, who conveyed the property back to Charles H. Turner, Anne Turner and George E. Otten., on Nov.14, 1969.

George Otten then conveyed his interest (if any) in the property, to Charles H. Turner and Anne Turner, by Quit Claim deed dated November 19, 1969.

On April 23, 1973, Charles H. Turner and Anne Turner conveyed the property to Hamilton Resources Corporation, the present owner.

I am the sole owner of Hamilton Resources Corporation.

Copies of the various conveyances are attached hereto.

Very truly yours,

HAMILTON RESOURCES CORP.

Chas H Turner

Charles H. Turner

Correspondence

Office of Minerals Exploration
Building 53 Room 28

January 8, 1974

Mr. Charles H. Turner
P. O. Box 3224 - HiMar Station
Boulder, Colorado 80303

Re: OME-6885 (Silver-Gold)
Charles H. Turner and
Anne Z. Turner
San Juan Mine
San Miguel County, Colorado

Dear Mr. Turner:

Enclosed are the cost figures that I calculated yesterday, and discussed with you during our visit concerning a proposed diamond drilling at the San Juan Mine.

As soon as you have obtained what you think are the most nearly correct costs, please let me know and I'll submit them with my report as soon as possible, with new bank letters.

Sincerely yours,

J. William Hasler

J. William Hasler,
Field Officer, Region III
Office of Minerals Exploration

Enclosures

cc: Chief, OME
OME-6885
OME chron
Mr. Hasler

OME-6885

Charles Turner

San Juan Mine, San Miguel Co., Colo.

Estimated Costs of the Work

Fixed Unit Costs

Supervisor

1 Supervisor	
3 months @ $1,000.00/month	$3,000.00
1 Sampler	
3 months @ $700.00/month	$2,100.00
1 Outside Consultant	
3 days at $125.00/day	$375.00
Per diem -- outside consultant	
3 days @ $25.00/day	$75.00
Transportation for outside consultant	
2,160 miles at $0.12/mile	$260.00
Payroll taxes, insurance	
5,100 00 ~~$3,400.00~~ at 15%	$765.00 ~~$510.00~~
Office expense	
3 months @ $50.00/month	$150.00
Total Fixed Unit Costs	~~$6,470.00~~ $6,725 00

Actual Costs

Category (1) Independent Contracts

Drilling

Mobilization and demobilization		$200.00
Bulldozer		
D-7(?)	50 hrs. at $22.00	$1,100.00
Drill site preparation underground		$100.00
Collar pipe NX or NC		
100 feet @ $8.90/ft.		$890.00
Diamond core drilling,		
1,000 feet		$7,950.00

	NX	BX	AX
0 - 250 ft.	$7.95	$7.50	$7.20

Lost casing in completed holes	
60 feet	$216.00
NX @ $3.60/ft.	
BX @ $2.40/ft.	
Cement, drill mud, additives and hole plugging agents	$500.00
Cementing and redrilling	
13 hours at $16.20/hr.	$210.60
Reaming and installing casing	
13 hours at $14.40/hr.	$187.20
Standby time,	
25 hrs. at $16.20/hr.	$405.00

Category (7) Miscellaneous

None except:

Cardboard core boxes	
80 @ $1.50 each	$120.00
Assaying 110 samples	
110 samples Au, Ag, Cu at $5.50/sample	$605.00
Total Actual Costs	$12,483.80
Total Fixed Unit Costs	$6,725.00 ~~$6,470.00~~
Total Estimated Cost	~~$18,953.80~~ $19,208.80

SKYLINE LABS, INC.
SPECIALISTS IN EXPLORATION GEOCHEMISTRY
12090 WEST 50TH PLACE • WHEAT RIDGE, COLORADO 80033 • TEL.: (303) 424-7718

OMC Rec
JAN 4 -

REPORT OF ANALYSIS

Job No. M-2308
January 3, 1974

Mr. Bill Hasler
U.S. Geological Survey
Office of Minerals Exploration
Building 53
Denver Federal Center
Denver, Colorado 80225

3 Rock Chip Samples

Item	Sample No.	Fire Assay Au (oz/T)	Ag (oz/T)	Cu (%)	Pb (%)
1.	OME-6885-1	.011	3.5	.23	.48
2.	OME-6885-2	.013	3.3	.35	.195
3.	OME-6885-3	<.005	.06	<.005	.005

for Edwin V. Post
Charles E. Thompson
Chief Chemist

SKYLINE LABS, INC.
SPECIALISTS IN EXPLORATION GEOCHEMISTRY
12090 WEST 50TH PLACE • WHEAT RIDGE, COLORADO 80033 • TEL.: (303) 424-7718

JAN 4 -

REPORT OF ANALYSIS

Job No. M-2308
January 3, 1974

Mr. Bill Hasler
U.S. Geological Survey
Office of Minerals Exploration
Building 53
Denver Federal Center
Denver, Colorado 80225

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JAN 4 - 1974
Denver, Colorado

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January 3, 1974

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Office of Minerals Exploration
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Denver, Colorado 80225

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Charles E. Thompson
Chief Chemist

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION
GEOLOGICAL SURVEY
National Center, Mail Stop 920
12201 Sunrise Valley Drive
Reston, Virginia 22092

November 30, 1973

DEC 10 1973
Denver, Colorado

Memorandum

To: Field Officer, Region III

From: Chief, Office of Minerals Exploration

Subject: OME-6885 (Silver-Gold)
Charles H. Turner and
Anne Z. Turner
San Juan Mine
San Miguel County, Colorado

The subject application is referred to you for review, a field examination when the mine is accessible for entry, and your recommendations.

Harold Kirkemo

Harold Kirkemo

GEOLOGICAL SURVEY
National Center, Mail Stop 920
12201 Sunrise Valley Drive
Reston, Virginia 22092

OME Region III
RECEIVED
DEC 4 - 1973
Denver, Colorado

November 30, 1973

Mr. Charles H. Turner
P.O. Box 3224 HiMar Station
Boulder, Colorado 80303

Re: OME-6885 (Silver-Gold)
Charles H. Turner and
Anne Z. Turner
San Juan Mine
San Miguel County, Colorado

Dear Mr. Turner:

Thank you for your letter of November 19, 1973, concerning access to Level A and the possibility of an examination by Mr. J. W. Hasler, OME Field Officer, Region III.

We have referred the application to Mr. Hasler for consideration, and he will make arrangements with you regarding such an examination.

Sincerely yours,

Harold Kirkemo, Chief
Office of Minerals Exploration

Copy to: Region III, OME

cc:
DRF
MR Rdg.
OME Rdg.
OME Files
Mr. Kirkemo

HKirkemo/gpw

Charles H. Turner
Mining Engineer

11/20/73

P.O.Box 3224 HiMar Sta.
Boulder, Colo. 80303

November 19, 1973

Mr. Harold Kirkemo, Chief
Office of Minerals Exploration
U.S.G.S. National Center, Mail Stop 920
12201 Sunrise Valley Drive
Reston, Virginia 22092

Re: OME-6885 (Silver-Gold)
Charles H. Turner and
Anne Z. Turner
San Juan Mine
San Miguel County, Colo.

Dear Mr. Kirkemo:

COPY

This will acknowledge receipt of your letter of Nov.1, 1973 in which you state that my application is considered as having been withdrawn, as of the date of your letter.

Unfortunately I did not keep you advised of progress in opening the mine portal. This has now been completed, within the past two weeks, and the main level, "A", is now accessible.

Weather has been favorable up to the present, and except for a brief period of uncertainty, the forecast is for a warming trend and more fair weather.

In view of this, it would be possible to complete an examination before winter sets in. If this could be arranged within the next two or three weeks, I would be available to accompany Mr. Hasler, and to assist him in making his examination.

Major exploration programs are presently being conducted, in the immediate area, by two of the major oil companies. In addition, I have been assured by Silver Bell Mines, a close neighbor, that full cooperation will be given by them, in keeping access open, etc., should the expected orebody be indicated. The Silver Bell interest stems from the fact that they need the San Juan ore to help maintain their mill operation.

Very truly yours,

Charles H. Turner

cc: Mr. Hasler

November 1, 1973

NOV 5 X 1973
Colorado

Mr. Charles H. Turner
P. O. Box 3224 HiMar Station
Boulder, Colorado 80303

Re: OME-6885 (Silver-Gold)
Charles H. Turner and
Anne Z. Turner
San Juan Mine
San Miguel County, Colorado

Dear Mr. Turner:

You wrote us on June 14, 1973, to request an extension into July for consideration of your application for financial assistance to explore the San Juan mine. You expected to reopen the portal of Level A and to gain entry into the mine.

We have not heard from you since then so we assume that you are not interested in proceeding with the application. Accordingly, we are considering it as having been withdrawn effective this date.

Please refer to our letter to you dated June 8, 1973, for guidance if, at some time in the future, you wish to reactivate the application.

Sincerely yours,

Harold Kirkemo

Harold Kirkemo, Chief
Office of Minerals Exploration

cc:
Region III
DRF
MR Rdg.
OME Rdg.
OME Files
Mr. Kirkemo

HKirkemo/gpw

HAMILTON RESOURCES CORPORATION

P.O. Box 3224 HIMAR STATION BOULDER, COLORADO 80303 (303) 499-3330

June 14, 1973

OME Region III
RECEIVED
JUN 18 1974
Denver, Colorado

U. S. Dep't of the Interior
Geological Survey
Washington, D.C. 20242

Att'n: Mr. Harold Kirkemo, Chief
Office of Minerals Exploration

Re: OME-6885 (Silver-Gold)
Charles H. Turner and
Anne Z. Turner
San Juan Mine
San Miguel County, Colorado

Dear Mr. Kirkemo:

Referring to your letter of June 8th, 1973.

My reason for not replying earlier was the fact that the San Juan property has been under 8 feet of snow, and the portal of A Level will probably not be accessable for another two weeks.

Consequently, I have not been able to open the portal. However, I expect to have the opening cleaned out by the end of June.

I would appreciate your extending the deadline into July, in order that an examination may be made.

Very truly yours,

Chas H Turner

Charles H. Turner
Mining Engineer

cc: Mr. Hasler
Field Officer, Reg.III

RECEIVED
JUN 12 1973
Denver, Colorado

Mr. Charles H. Turner
P. O. Box 3224 Hilar Station
Boulder, Colorado 80303

Re: OMM-4885 (Silver-Gold)
Charles H. Turner and
Anne E. Turner
San Juan Mine
San Miguel County, Colorado

Dear Mr. Turner:

We wrote to you on March 16, 1973, stating that if you rehabilitated A Tunnel and any other workings, we would be glad to examine the property and complete our review of your application. If you decided not to do this, we suggested that you consider withdrawing the application, and asked that you advise us of your decision.

As of the date of this letter, we have not heard from you.

If we do not receive a reply from you by June 30, 1973, we must assume that you are no longer interested in proceeding with your application at this time, and we shall consider it as having been withdrawn on that date. If sometime in the future you should rehabilitate the mine so that an examination can be made, and you wish to reactivate the application you may do so by referring to this docket number and furnishing up-to-date information, items such as bank letters, maps, project plans, and cost estimates necessary to complete the application.

Sincerely yours,

Harold Kirkham

Harold Kirkham
Chief, Office of
Minerals Exploration

cc: Director's reading file
Mineral Resources
OME reading file
Region III
Mr. Kirkham
HKirkham/cac 6/8/73

AIRMAIL

MAR 16 1973

OME Region III
RECEIVED
MAR 19 1973
Denver, Colorado

Mr. Charles H. Turner
P. O. Box 3234 Hiker Station
Boulder, Colorado 80303

Re: GME-4685 (Silver-Gold)
Charles H. Turner and
Anne E. Turner
San Juan Mine
San Miguel County, Colorado

Dear Mr. Turner:

Your application for exploration assistance, dated November 10, 1972, and received in this office on March 12, 1973, has been assigned Docket No. 4685. Please identify all future correspondence relating to the application by this docket number.

We enclose for your information a copy of Exhibit A entitled "Notice to Prospective Federally Assisted Construction Contractors" which describes certain additional regulations and requirements not included in the application form. This should be filed with your copy of the application.

We note in the application that most of the levels are caved and inaccessible. In order for us to examine the target vein and evaluate the potential for a worthwhile target, Level A and Drifts 1 and 2 should be accessible for inspection by the GME Field Officer. Because rehabilitation work for this purpose is not eligible for assistance under the GME program, you would have to do this work entirely on your own account. Providing access for the purpose of an examination should not be construed to indicate that an exploration contract would be offered. Approval of an application depends mainly on the geologic probability of a significant discovery being made by the proposed work.

It would be desirable also to examine the vein exposed in the workings in B Tunnel and other levels, but in view of the time that has passed since that work was done, it probably is not feasible to rehabilitate any of these levels.

If you should rehabilitate A Tunnel and any other workings, we would be glad to examine the property, and complete our review of the application. Otherwise, we suggest that you consider withdrawing the application. Please advise us of your decision.

Sincerely yours,

Harold Kirkham

Harold Kirkham
Chief, Office of
Minerals Exploration

Enclosure

Cc: Director's reading file
Mineral Resources
BLM reading file
Region III
Mr. Kirkham

HKirkham/cac 3-16-73

United States Department of the Interior
GEOLOGICAL SURVEY
Denver Federal Center
Denver, Colorado 80225
Central Mineral Resources

IE Region III
RECEIVED
MAR 5 - 1973
Denver Colorado

IN REPLY REFER TO:

March 1, 1973

MEMORANDUM

TO : Bill Hasler

FROM : Cal Bromfield

SUBJECT : Informal comments on the San Juan claims, San Miguel Co., Colo.

The San Juan claims are located on a vein that is but one of several westerly trending veins that cut the intrusive and adjacent country rocks in the Trout Lake and adjoining Iron Springs mining districts. The veins are all relatively narrow fissure veins of steep dip. Production from individual veins has ranged from a few hundred or thousand tons to 100,000 tons or more. Production has ranged in value from a few thousand to over a million dollars. The chief product has been silver together with lead, copper, and gold. The mines have had a history of intermittent activity during times of favorable economic conditions, none has been a continuous producer. The largest mines were the Butterfly-Terrible (about a half mile north of the San Juan claims) with a production of $1.42 million; the Silver Bell, east of the Butterfly, with a production of $1.65 million, and the San Bernardo, west of the San Juan claims, with a production of about $1 million.

I visited the San Juan claims about ten years ago while mapping the Mt. Wilson quadrangle. Most of the levels were inaccessible at that time; the vein itself is concealed under a cover of colluvium on the steep wooded slopes. My observations, which were restricted to the lower level and outcrops at several portals, are reported in Bulletin 1227, p. 87. As noted there, the vein is typically quite narrow--3 to 8 inches in width--though anastomosing stringers may locally increase the width to 2-3 feet. The assay widths submitted by Turner no doubt give a reasonable picture of the vein widths. Stoped areas were probably somewhat wider.

The San Juan vein is approximately on strike with the San Bernardo vein system on the west side of the valley and it is probable that both are along the same fracture system. Between 1902-1928 the San Bernardo had a modest production of 1520 oz. Au, 607,000 oz. Ag, 2,830,000 lbs. of lead and 240,000 lbs. of Cu. In addition between its discovery in 1877 and 1902 there was certainly a considerable production. Purington who visited the property in 1896 comments in unpublished Survey field notes that during 1891-95 the mine produced ore valued at $130,000, chiefly in silver. No production of record is known for the San Juan claims, but a very meager production is indicated by a small amount of stoping.

My general impression at this distance in time is that the San Juan vein was similar in its strength and general characteristics to the San Bernardo,

but obviously no strong ore shoot has yet been developed. The optinum target that might be hoped for is an ore body similar to the San Bernardo or the Butterfly-Terrible. Records of production from these mines suggest that the tenor of a newly discovered ore body would most likely be in the range of .02-.06 ounces of gold, 6-7 ounces of silver, 1-2 percent lead, and about .2-1.5 percent copper.

USGS Bull 1227, Geology of the Mt Wilson Quadrangle Western San Juan Mtns, Colo Cal. Bromfield.

.04 oz Au @	$100.00/oz	= $4.00
6.0 oz Ag @	3.00/oz	= 18.00
1.5 % Pb = 30# @	.1650¢/lb	4.95
1.0 % Cu = 20# @	.6025¢/lb	12.05
		$39.00

12/7/73

Office of Minerals Exploration
Building 53 Room 28

March 8, 1973

Memorandum

To: Chief, Office of Minerals Exploration

From: Field Officer, Region III

Subject: Application from Charles H. Turner for financial assistance in minerals exploration at the San Juan Mine, Trout Lake Mining District, San Miguel County, Colorado

Transmitted herewith is an application for financial assistance to explore from underground drill sites for new and undiscovered portions of the San Juan vein from the San Juan Mine, in the Trout Lake Mining District, San Miguel County, Colorado.

The applicant proposes costs for rehabilitation and opening the "A" tunnel level, prepare a drill site at the present face, then diamond drill five holes in an easterly direction to intersect the downward extension of San Juan vein from the "B" level. Total cost of the proposed exploration program is estimated at $10,903.00.

The applicant was advised by the Field Officer, Region III, that the reopening of the "A" tunnel and its rehabilitation would have to be done on his account in order to make the workings available for a field examination, so the property may be appraised relative to the amount and kind of exploration proposed by him. The application was reviewed by Calvin Bromfield, Geologist, U. S. Geological Survey, as he is familiar with the general area, having mapped the Mount Wilson quadrangle, and prepared USGS Bulletins 1227 and 1353-A, in which the subject property is located. Mr. Bromfield's comments are enclosed.

The San Bernardo Mine, located across the canyon to the southwest, may be an extension of the San Juan Vein system. The San Bernardo Mine has been the subject of three earlier DMA and DMEA reports of examinations: DMA docket 542, DMEA docket 2521, and DMEA docket 2723.

A review of these reports of examination on the San Bernardo indicates that there may be sufficient ore to justify a limited exploration program on the San Bernardo vein. The grade of the ore produced from the San Bernardo Mine is not unlike the grade of ore expected from the San Juan Mine as suggested by Bromfield. At current prices the ore would gross some $33.55 per ton as follows:

0.04 oz. Au @ $80.00/oz. =	$3.20
6.00 oz. Ag @ $2.45/oz. =	$14.70
1.5% Pb = 30 lbs. Pb @ 15.50¢ lb. =	$4.65
1.0% Cu = 20 lbs. Cu @ 55.00¢ lb =	$11.00
Total value per ton	$33.55

The applicant's samples, A-1 through A-7 would gross $34.00 per ton. Samples B-1 through B-15 would gross $60.43 per ton and samples C-1 through C-7 would gross $48.75 at current prices as shown above. The applicant would be hoping to mine ore ranging between $33.00 and $60.00 per ton, but in reality the ore will assay nearer $30.00 per ton, which is hardly ore-grade considering current mine costs, costs of shipping ore to distant smelters, etc. etc. Considerably higher grade silver values must be consistently mined in order for the mining to be profitable. Vein widths sampled range from 1 foot to 2.14 feet thick.

J. William Hasler

J. William Hasler,
Field Officer, Region III
Office of Minerals Exploration

Enclosure

cc: Application file
OME chron
Mr. Hasley

United States Department of the Interior
GEOLOGICAL SURVEY
Denver Federal Center
Denver, Colorado 80225
Central Mineral Resources

IN REPLY REFER TO:

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RECEIVED
MAR 5 - 1973
Denver, Colorado

March 1, 1973

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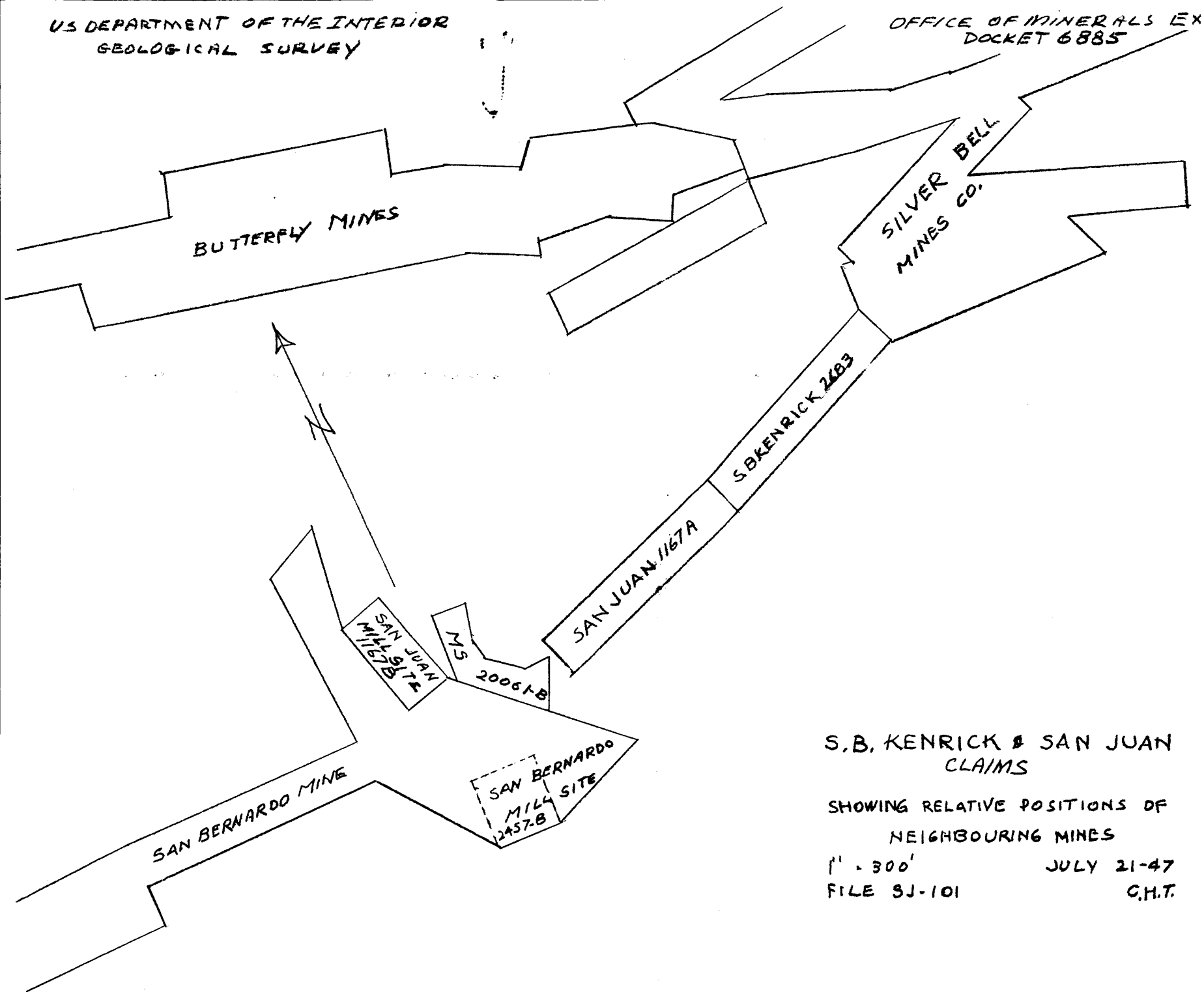
US DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

OFFICE OF MINERALS EXPLORATION
DOCKET 6885



S.B. KENRICK & SAN JUAN
CLAIMS

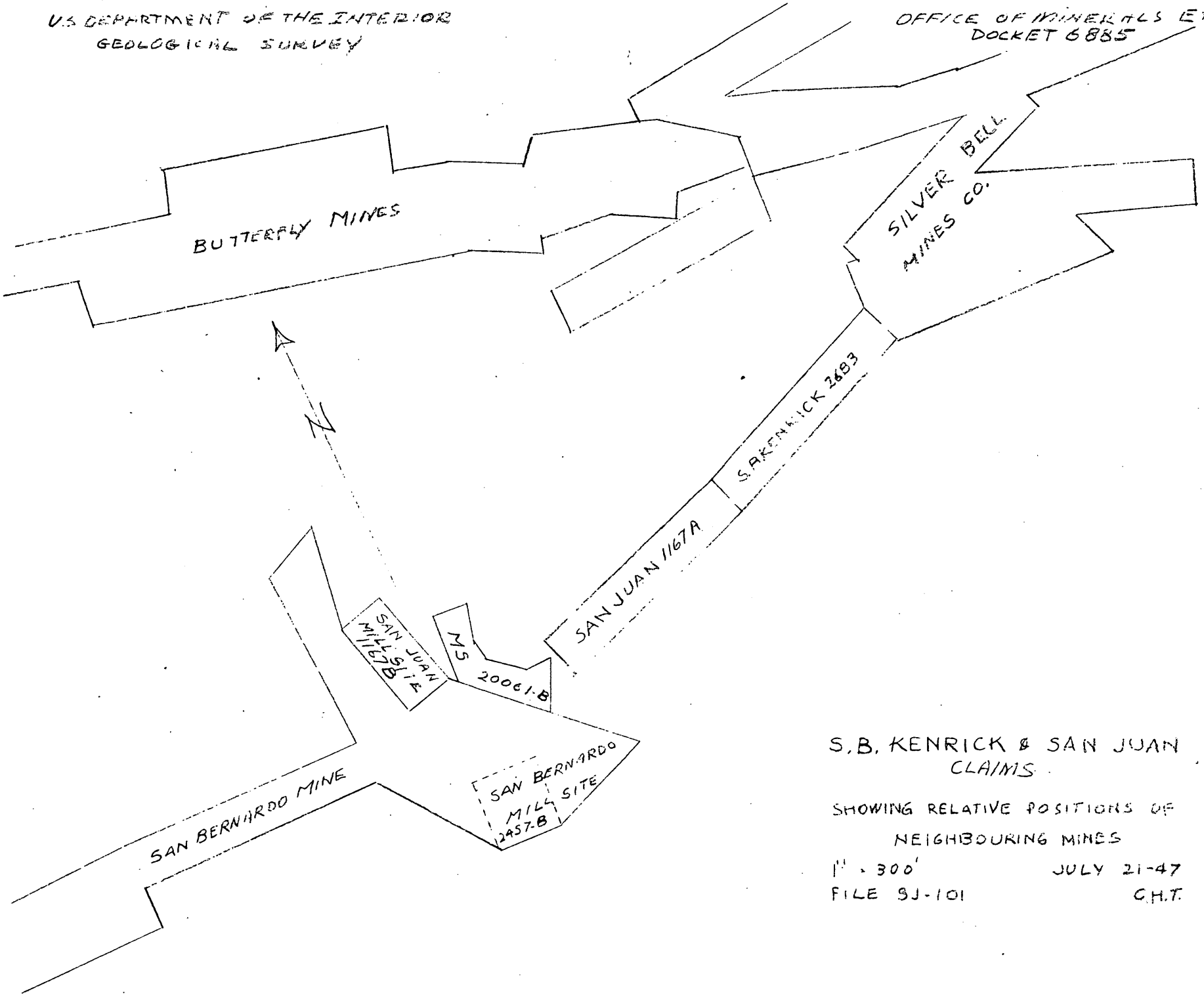
SHOWING RELATIVE POSITIONS OF
NEIGHBOURING MINES

1" = 300' JULY 21-47
FILE SJ-101 C.H.T.

FIGURE I

U.S. DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

OFFICE OF MINERALS EXPLORATION
DOCKET 6885



S.B. KENRICK & SAN JUAN CLAIMS

SHOWING RELATIVE POSITIONS OF NEIGHBOURING MINES

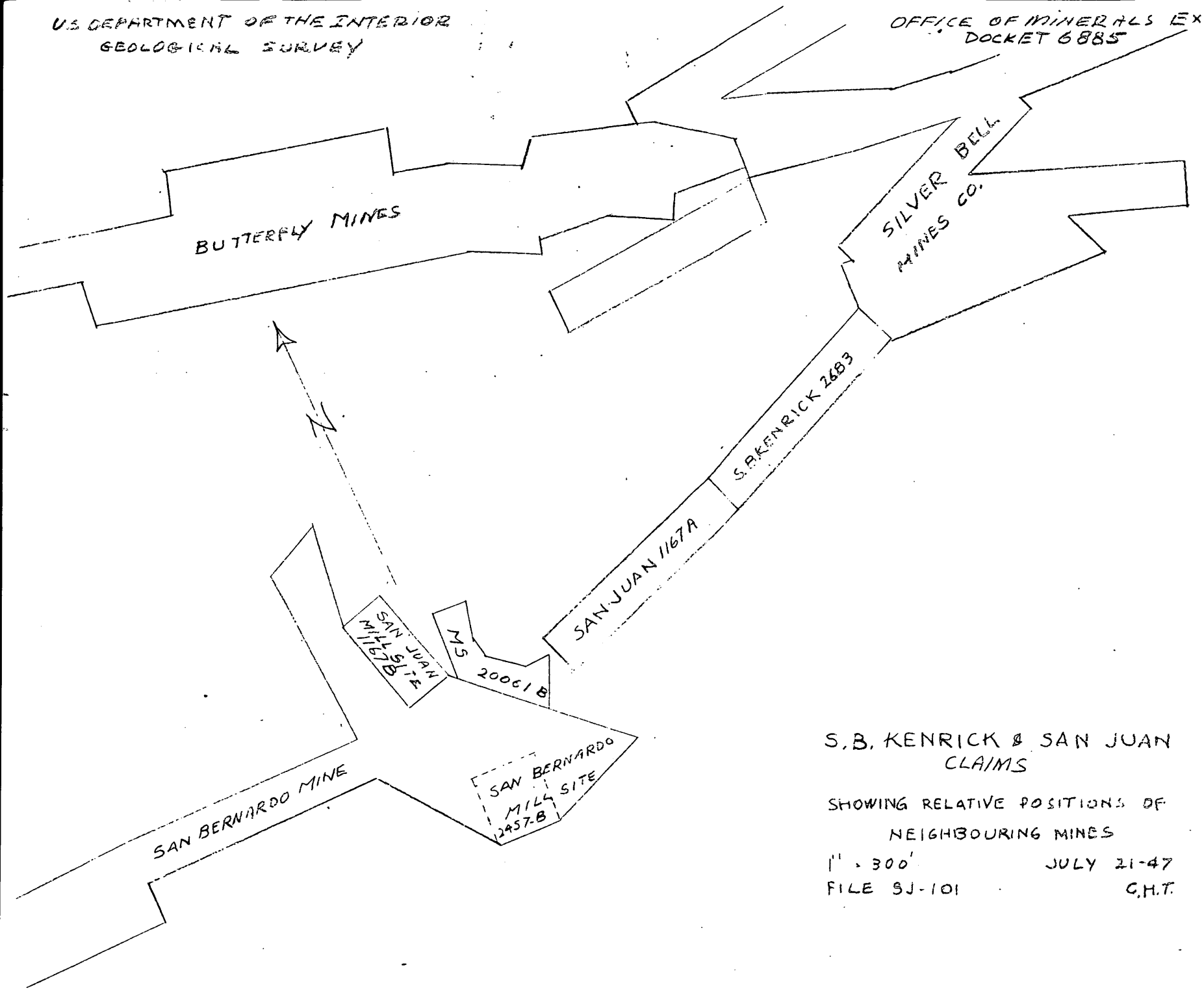
1" = 300' JULY 21-47

FILE SJ-101 C.H.T.

FIGURE 1

U.S. DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

OFFICE OF MINERALS EXPLORATION
DOCKET 6885



S.B. KENRICK & SAN JUAN CLAIMS

SHOWING RELATIVE POSITIONS OF NEIGHBOURING MINES

1" = 300' JULY 21-47

FILE SJ-101 C.H.T.

FIGURE I

region it appears justifiable to explore the San Juan vein for a distance of 300 feet. It is therefore recommended that a contract be prepared to explore the San Juan vein for 300 feet for gold, silver, copper and lead, northeastward from the lowermost A tunnel. Figure 2. Total estimated costs of the project are $35,796.20. Government participation at 75% would be $26,847.15. The applicant's share at 25% would be $8,949.05. The applicant informs us that his share will be met without difficulty. He intends to complete the work on his own, without contracting the work to another company.

Estimated costs are as follows:

(a)	Independent Contracts		
	Access road work - D7 bulldozer, 30 hrs. @ $27.50		$825.00
(b)	Personal Services		
	Supervision & engineering - 3 months @ $1,500.00/month	$4,500.00	
	2 miners - 3 months	$6,000.00	
	1 helper - 3 months @ $850.00/month	$2,550.00	
	1 outside consultant - 3 days @ $125.00	$375.00	
	Per diem/consultant - 3 days @ $25.00	$75.00	
	Transportation/consultant - 2160 miles @ 12¢/mile	$259.20	$13,759.20
(c)	Operating Materials & Supplies		
	Explosives, per foot - $7.00 (x 300')	$2,100.00	
	Pipe - 700' 3" airline @ $1.25/foot	$875.00	
	700' 1" water line @ .46/foot	$322.00	
	Ventube - 100' x 18" (flex.) @ $7.90/foot	$790.00	
	Galvanized vent pipe 650' x 18" @ $2.75	$1,787.50	
	Steel & bits, per foot - $3.30 (x 300')	$990.00	
	Small tools (est.)	$300.00	
			$7,164.50

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1 outside consultant - 3 days @ $125.00	$375.00	
Per diem/consultant - 3 days @ $25.00	$75.00	
Transportation/consultant - 2160 miles @ 12¢/mile	$259.20	$13,759.20
(c) Operating Materials & Supplies		
Explosives, per foot - $7.00 (x 300')	$2,100.00	
Pipe - 700' 3" airline @ $1.25/foot	$875.00	
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(b) Personal Services		
Supervision & engineering - 3 months @ $1,500.00/month	$4,500.00	
2 miners - 3 months	$6,000.00	
1 helper - 3 months @ $850.00/month	$2,550.00	
1 outside consultant - 3 days @ $125.00	$375.00	
Per diem/consultant - 3 days @ $25.00	$75.00	
Transportation/consultant - 2160 miles @ 12¢/mile	$259.20	$13,759.20
(c) Operating Materials & Supplies		
Explosives, per foot - $7.00 (x 300')	$2,100.00	
Pipe - 700' 3" airline @ $1.25/foot	$875.00	
700' 1" water line @ .46/foot	$322.00	
Ventube - 100' x 18" (flex.) @ $7.90/foot	$790.00	
Galvanized vent pipe 650' x 18" @ $2.75	$1,787.50	
Steel & bits, per foot - $3.30 (x 300')	$990.00	
Small tools (est.)	$300.00	
		$7,164.50

Estimated Costs are as follows: (Continued):

(d) Operating Equipment

Compressor - 600 cfm electric, 3 months rental @ $850.00/month	$2,550.00	
Loader - diesel powered with scrubber, 3 months rental @ $1,000.00	$3,000.00	
Gardner-Denver jackleg drill - 3 months rental @ $300.00/month	$900.00	
Electric pump - 3 months rental @ $100.00	$300.00	
FWD pick-up 3 months rental rental @ $110.00	$330.00	
Mobilization & Demobilization	$300.00	
		$7,380.00

(e) Initial Rehabilitation & Repairs
250' of road (see (a) above)

(f) New Buildings, Fixtures, Installations
None

(g) Miscellaneous

(i) Pick-up truck		
Gasoline - 300 gals. @ .50/gal	$150.00	
Oil - 15 gals. @ $3.00/gal.	$45.00	
Maintenance & service-3 months	$90.00	
Diesel loader		
Diesel fuel - 600 gals. @ .45/gal.	$270.00	
Oil - 25 gals. @ $3.00/gal.	$75.00	
Maintenance & service-3 months	$150.00	
		$780.00
(ii) Assaying - 180 samples @ $8.50 (Au, Ag, Cu)	$1,530.00	
Office - Reporting & Accounting, 3 months @ $50.00/month	$150.00	
Payroll taxes, insurance, etc. $13,050.00 x 15%	$1,957.50	
		$3,637.50
(iii) Services		
Electric power for compressor, blower, pump, 3 months @ $750.00 (est.)		$2,250.00
TOTAL		$35,796.20

1/ Include all costs whatsoever such as mobilization and demobilization, labor, equipment, materials, and supplies and services.

2/ The Government retains no equity in any of the equipment or materials used.

Estimated Costs are as follows: (Continued):

(d) Operating Equipment

Compressor - 600 cfm electric, 3 months rental @ $850.00/month	$2,550.00	
Loader - diesel powered with scrubber, 3 months rental @ $1,000.00	$3,000.00	
Gardner-Denver jackleg drill - 3 months rental @ $300.00/month	$900.00	
Electric pump - 3 months rental @ $100.00	$300.00	
FWD pick-up 3 months rental rental @ $110.00	$330.00	
Mobilization & Demobilization	$300.00	
		$7,380.00

(e) Initial Rehabilitation & Repairs
250' of road (see (a) above)

(f) New Buildings, Fixtures, Installations
None

(g) Miscellaneous

(i) Pick-up truck		
Gasoline - 300 gals. @ .50/gal	$150.00	
Oil - 15 gals. @ $3.00/gal.	$45.00	
Maintenance & service-3 months	$90.00	
Diesel loader		
Diesel fuel - 600 gals. @ .45/gal.	$270.00	
Oil - 25 gals. @ $3.00/gal.	$75.00	
Maintenance & service-3 months	$150.00	
		$780.00
(ii) Assaying - 180 samples @ $8.50 (Au, Ag, Cu)	$1,530.00	
Office - Reporting & Accounting, 3 months @ $50.00/month	$150.00	
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1/ Include all costs whatsoever such as mobilization and demobilization, labor, equipment, materials, and supplies and services.

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Estimated Costs are as follows: (Continued):

(d) Operating Equipment

Compressor - 600 cfm electric, 3 months rental @ $850.00/month	$2,550.00	
Loader - diesel powered with scrubber, 3 months rental @ $1,000.00	$3,000.00	
Gardner-Denver jackleg drill - 3 months rental @ $300.00/month	$900.00	
Electric pump - 3 months rental @ $100.00	$300.00	
FWD pick-up 3 months rental rental @ $110.00	$330.00	
Mobilization & Demobilization	$300.00	
		$7,380.00

(e) Initial Rehabilitation & Repairs
250' of road (see (a) above)

(f) New Buildings, Fixtures, Installations
None

(g) Miscellaneous

(i) Pick-up truck

Gasoline - 300 gals. @ .50/gal	$150.00	
Oil - 15 gals. @ $3.00/gal.	$45.00	
Maintenance & service-3 months	$90.00	
Diesel loader		
Diesel fuel - 600 gals. @ .45/gal.	$270.00	
Oil - 25 gals. @ $3.00/gal.	$75.00	
Maintenance & service-3 months	$150.00	
		$780.00

(ii)

Assaying - 180 samples @ $8.50 (Au, Ag, Cu)	$1,530.00	
Office - Reporting & Accounting, 3 months @ $50.00/month	$150.00	
Payroll taxes, insurance, etc. $13,050.00 x 15%	$1,957.50	
		$3,637.50

(iii) Services

Electric power for compressor, blower, pump, 3 months @ $750.00 (est.)		$2,250.00
	TOTAL	$35,796.20

3/28/74
SILVER BELL

0.024 oz Au	@ $172.55/oz	= $	4.14
8.7 oz Ag	5.00/oz	=	43.50
0.16 % Cu = 3.20 lbs Cu	@ .6815¢/lb	=	2.18
6.99 % Pb = 139.8 lbs Pb	@ .1900¢/lb	=	26.56
4.7 % Zn = 94.0 lbs Zn	@ .3150¢/lb	=	29.61
		$	105.99

29.9012

4,500,000 100000

Silver Bell Mine

Colton 3927

1907-1941

101,662 | 2,488,000 g | 0.024

101,662 | 885,501 g Ag | 8.71

172.55
.024
69020
34510
4.14120

5.00
8.7
3500
4000
43.500

139.8
.1900
98200

139.8
.19
12582
1398
26.562

68.15
3.2
13630
20445
21808

31.50
94
12600
28350
29.610

27
8
5

4
.750
12500
350

Butterfly Mine

For 3 year period 1938-1940, 51,000 Tons
of ore mined Average
.0605 oz Au / ton
7.7 oz Ag / ton
1.5 % Pb / ton
0.23 % Cu / Ton.

1937-1940 about $500,000 prod from USBM records
Comparison San Bernardo

	Butterfly	San Bernardo
Au oz	0.0605	0.0171
Ag oz	7.7	6.38
Pb %	1.15	1.59
Cu %	0.23	0.14

Base 51,000 Tons Base 88,781 Tons

Value 1937-1940 production at average prices
then prevailing is ≈ $556,000 for 61,000 Tons
Assuming similar production in period
1896-1936 total value $1,000,000
or assuming similar production each decade
the perhaps $2,000,000.

Butterfly – 1.48 million
+ Silver Ball 1.65 million
San Bernardo 1.42 million
4.55

9,000' Carbonero
10 000' Butterfly
10 000'

30,000' 4 miles

$100,000 Tons – $4.5 ~~mill~~

Carbonero 48,776 Tons
6.9 % Pb
2.0 % Zn
1.9 % Cu
0.025 oz Au
9.3 % Ag

47
2
94

6.99
2
13.98

1951 San Bernardo

3.05
2
610

1.59
2
3.18
31.8000
6200
28.8200
3.4
Oconite - Molybdenite

3.13
.6815
2.74
27260
47705
13630
1.86

.137
2
.274

6.34
5.00
31.70.00
31.70.33
4172.55
.016
103530
17255
2760.80

5th level 1-3 feet under

.016 oz Au	3/28/74	$172.55/oz	= 2.76
6.34 oz Ag		5.00/oz	= 31.70
.137 % Cu = 2.74 lbs ∂		.6815¢/lb	= 1.86
1.59 % Pb = 31.8 lbs ∂		.1900¢/lb	= 6.04
			$ 42.36

19

8 -

$45.00

100,000

200

Silver Bell Mine Production

Year	Tons	Au oz	Ag oz	Cu %	Pb %	Zn %
1907-1941	101,622	.024	8.7	0.16	6.99	4.7

San Juan Vein + Butterfly Mine
in Ophir Stock

3/12/74

Butterfly Mine $
62,670 Tons - 52.00/Ton

0.055 oz Au @ $165.80/oz = 9.11
7.0 oz Ag @ 5.20/oz 36.40
1.04 % Pb = 20.8# @ .19¢/lb = 3.95
.186 % Cu = 3.72# @ .6815/lb = 2.53
$51.99

Bromfield Estimate on Average Sale

.04/oz Au @ $165.80/oz = 6.63
6.00 oz Ag @ 5.20/oz = 31.20
1.5 % Pb = 30 lbs/Ton @ .19¢/lb = 5.70
1.0 % Cu = 20 lbs @ .6815¢/lb = 13.63
$57.16

North Drift TUNNEL A

0.05 oz Au @ $165.80/oz = $8.29
6.57 oz Ag @ 5.20/oz = 34.16
0.89 % Cu = 17.8# @ .6815¢/lb = 6.06
1.35 % Pb = 27# @ .19¢/lb = 5.13
$53.64

TUNNEL B

0.13 oz Au @ $165.80/oz = 21.55
12.38 oz Ag @ $5.20/oz = 64.37
1.79 % Cu = 35.8 # @ .6815 ¢/lb = 24.39
$110.31

TUNNEL C

0.06 oz Au @ $165.80/oz = $9.94
11.43 oz Ag @ $5.20/oz = 59.43
1.46 % Pb = 29.2 lbs @ .6815 ¢/lb = 19.89
$89.26

All TUNNELS Average Grade (Pb only in "A" Tunnel).

0.089 oz Au @ $165.80/oz = $14.75
8.92 oz Ag @ $5.20/oz = 46.34
1.26 % Cu = 25.2 # @ .6815 ¢/lb = 17.17
1.35 % Pb = 27 # @ .19 ¢/lb = 5.13
$83.39

3/27/74 —

"A" TUNNEL

0.05 oz Au	@ $172.55/oz	= $8.62 OK
6.57 oz Ag	@ 5.00/oz	= 32.85 OK
0.89 % Cu = 17.8 lbs	@ .6815 ¢/lb	= 12.13 OK
1.35 % Pb = 27 lbs	@ .19 ¢/lb	= 5.13 OK
		58.73

"A" "B" & "C" TUNNEL AVERAGE

0.089 oz Au	@ $172.55/oz	= 15.35
8.92 oz Ag	@ 5.00/oz	= 44.60
1.26 % Cu 25.2 = lbs	@ .6815 ¢/lb	= 17.17
1.35 % Pb 27.0 = lbs	@ .1900 ¢/lb	= 5.13
		$ 82.25

172.55
.05
$8.62 27.5

.6815
17.8
54.0
47.5
12.13

6.57
32.85

8.92
44.60

27
.19
5.13

172.55
.089
15.35

.6815
25.2
17.17

27
.19
5.13

3/27/74

Copper .6815 ¢/lb

Lead .1980 ¢/lb

Zinc .3150

Gold $172.55

SILVER $5.01

C Samples

0.06 oz Au	@ $172.55/oz	=	10.35 OK
11.43 oz Ag	@ 5.00/oz	=	57.15 OK
1.46 % Cu = 29.2 lbs @ .6815 ¢/lb		=	$19.89 OK
			87.39 OK

B Tunnel

0.13 oz Au	@ $172.55/oz	=	22.43
12.38 oz Ag	@ 5.00/oz	=	61.90
1.79 % Cu = 35.8 lbs @ .6815 ¢/lb		=	24.40
			$ 118.73

Butterfly Mine

62,670 Ton

0.055 oz Au	@ $172.55/oz	=	9.49
7.00 oz Ag	@ 5.00/oz	=	35.00
0.186 % Cu = 3.72 lbs Cu	@ .6815¢/lb	=	253
1.04 % Pb = 20.8 lbs Pb	@ .1900¢/lb	=	3.95
			50.97

0.093 oz Au	@ $172.55	=	16.04
32.5 oz Ag	5.00	=	162.50
10.0 % Pb = 200#	@ .1900¢/lb	=	38.00
1.12 % Cu = 224# = lbs	@ .6815	=	15.26
			231.80

.186
2
3.72

1.04
2
2.08

$325.00
5.00
$1625.00

3.

200
.1900
18.0000
200
38.0000

1.12
2
2.24

325
10

Tunnel "A"	Au oz	Ag oz	Cu %	Pb %
2.14 ft wide	0.05	6.57	0.89	1.35

0.05 oz Au @ $111.18/oz = $5.55
6.57 oz Ag @ $3.24/oz = 21.28
0.89% Cu = 38# Cu @ 0.68¢/lb = 12.10
1.35% Pb = 27# Pb @ 0.18¢/lb = 4.86
$43.79

TUNNEL B	Au oz	Ag oz	Cu %
1.0 feet wide	0.13	12.38	179

0.13 oz Au @ $111.18/oz = $14.45
12.38 oz Ag @ $3.24/oz = 40.11
1.79% Cu = 35.8# @ 0.68¢/lb = 24.34
$78.90

TUNNEL "C"	Au oz	Ag oz	Cu %	Pb %
1.10 feet	0.06	11.43	1.46	—

0.06 oz Au @ $111.18/oz = $6.67
11.43 oz Ag @ $3.24/oz = 37.03
1.46% Cu = 29.2# @ 0.68¢/lb = 19.85
$63.55

All Tunnels (Average) Pb only found in "A"

	Au oz	Ag oz	Cu %	Pb %
1.41 feet wide	0.089	8.92	1.26	1.35

$60.76

$5592 [illegible]

No Sample	"A" Tunnel Samples width	Au oz	Ag oz	% Cu	% Pb	% Zn
"A" Tunnel 7	2.14 feet ave	0.05	6.57	0.89	1.35	

No	"B" Tunnel width	Au oz	Ag oz	Cu %	Pb %	Zn %
15	1.0 ft.	0.13	12.38	1.79		

No	"C" Tunnel	Au oz	Ag oz	Cu %	Pb %	Zn %
7	1.10 ft	0.06	11.43	1.46	—	—

Dec. 1973 Average Price for metals

Au = $118.18

Ag $3.24

Cu .68 ¢/lb

Pb .18 ¢/lb

Zn .28 ¢/lb

"A" Tunnel

Old Tunnel Grange

.089 oz Au — @ 111.18/oz = 9.89

8.92 oz Ag — 3.24/oz = 28.90

1.26% Zn = 25.2 #/ton — @ .68 lb = 17.13

1.35% Pb = 27 #/ton — @ .18 lb = 4.86

~~Total~~ 5.02

59.20

~~1.21~~

111.18	8.92
.089	3.24
100062	3568
88944	1784
$9.89.40	2676
	$28.9008

25.2	27
68	18
2016	216
1512	27
17.13	$4.86

30 cost

30,000 ton

$55.00/ton

150000.00

150000

$1650,000.00

3.00

1,650,000.00

900,000.00

750,000.00

min melg

1,800,000.00

at 60.00/ton.

30,000 ton

30.00/ton

900000.00

Butterfly Mine = 62,670 Tons

1901

0.055 oz Au	@ $164.30/oz	=	$9.04
7.0 oz Ag	@ $5.40/oz	=	37.80
1.04 % Pb = 20.8# @ .1900¢/lb		=	3.95
0.186 % Cu = 3.72# @ .6815¢/lb		=	2.53
			$53.32

1.04
2
2 0.8

Tonnage of Butterfly Mine in micrograms gabbro of the Ophir Stock based on a production of 62,670 Tons of ore mined between 1936-1940 averaged 0.055 oz Au, 7 ounces silver, 1.04 % Pb and 0.186 % Cu.

.186
2
3.72

Butterfly Production Bull. 1227

Year		Value
1877-1896	350 Tons	$3,000.00
1912 (Salyer)	16,620 Tons	
1935-1940	62,670 Tons	
	79,640	Total $1,000,000.00

(1907-1916) 80,000 Tons = $12.50

2.0 220,000 Tons 1901-1961

DMB A 2854 Monarch Mining Co.
Butterfly mine San Miguel Co., Colo
IdmE-572
50 assays - 22' avg width
over 350 feet

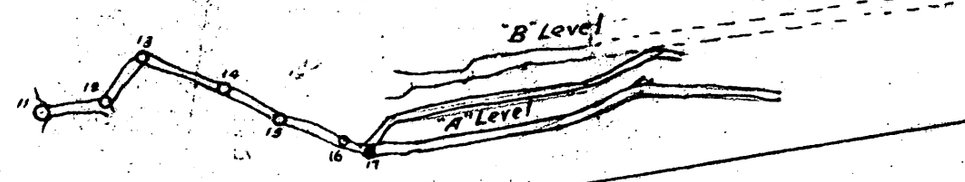
0.087 oz Au	@ $164.30/oz	=	$14.29
47.0 oz Ag	@ $5.40/oz	=	253.80
6.4% Pb = 128# Pb @ .3150 ¢/lb		=	40.30
0.58% Cu 11.6# Cu @ .6815 ¢/lb		=	7.90
			$316.29

1'x8'	200' Drilled @ 80.00/ft	16,000.00
	Sampler 120' - Au Ag Cu	1,020.00
	Trans.	100.00
	Supervision	2,000.00
	Office Admin	100.00
	~~Consultant~~	200.00

Drilling —	16,000.00	
Assaying	1,020.00	
Sampling —	100.00	23,220.00
Office	100.00	8,000.00
Payroll Taxes.	1,000.00	22000
Permanent.	5000.00	
	$23,220.00	
	16,000.00	
	7220.00	

SAN JUAN

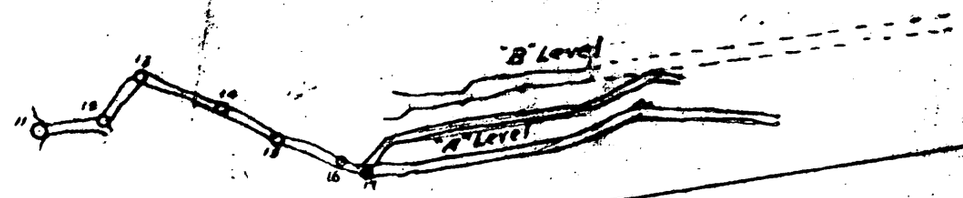
SAN JUAN Patent Claim 1167A



San Juan (ungeotaxted claims)

N

SAN JUAN



CLIFFORD R. WILFLEY
MINING ENGINEER
2233 GRAPE STREET
DENVER 7, COLORADO

Ophir, Colorado
June 10, 1947

Dear Mr. Turner:

Enclosed is my report on your S. B. Kenrick. The kodak photos mentioned are several general views taken from down on the highway in the valley. There are no facilities here for developing these, so I will have them finsihed when I return to Denver the end of this week, and send them on to you.

Not far below your No. 1 tunnel is a tunnel apparently going in on the S.B.K. vein, driving under your No.1. It looked like this is across the endline, starting on the San Juan. Dump indicates maybe 300 feet of drifting, hence it would be nearly all in your ground.

As a matter of fact, the San Juan is developed by a series of tunnels going right on down the hill, and these nearly all show good ore on the dumps. Sulfides appear to become more abundant as you go down the hill. In short, it looks like the two claims cover an ore deposit of considerable length, and the dividing line is in the middle of the deposit.

Yours very truly,

C R Wilfley

CLIFFORD R. WILFLEY
MINING ENGINEER
2233 GRAPE STREET
DENVER 7, COLORADO

Ophir, Colorado
June 10, 1947

Chas. H. Turner, M. E. ,
P. O. Box 265,
Bourlamaque, Quebec.

Dear Sir:

In conformity with the instructions in your letter of May 28, 1947 I made a reconnaissance examination of the S. B. Kenrick mine at Matterhorn, Colorado, on June 9, 1947.

Replying categorically to the instructions:

(a) Adits (See topographic map enclosed)

1...Adit at house Elevation 9,987
Completely caved at portal, and inaccessible.
Small hole above adit opens into open stope where air circulates, walls of stope stand well, but stope looks risky.
Volume of dump would indicate about 500 feet of 5x7-ft. drift, modified no doubt by muck from stoping.

2...At north sideline. Elevation 10,013
Open, in good condition, with track.
Runs N. 40*E. 60' thence N. 80*E. 60' to x, 80' to breast; from x, crosscut S. 50*E. 75'.
Tunnel follows a narrow gouge streak with occasional small amounts of mineral.

3...On middle (?) vein. Elevation 10,060
Caved at portal.
Volume of dump indicates about 300' of drift.
Not much ore on dump. Much manganese stain.

4...Probably S.B.Kenrick vein. Elevation 10,046
Caved at portal, very small hole at top.
Volume of dump indicates about 60' of drift.
Good sulfide ore on dump.
May connect with stope from lowest tunnel.

5...Very old, completely caved. Elevation 10,092
Altered rock, but little ore, on dump.
Volume of dump indicates about 250' of drift.

(b) Stoping

Series of slumped holes and one hole-thru to surface, where air circulates, are in line up the hill above No. 1 tunnel for a distance of about 150 feet. No indications how much farther the stoping extends, except possibly No. 4 tunnel as stated above.

(c) Internal sinking

In the only accessible tunnel, No. 2, there was no internal sinking.

(d) Veins

S. B. Kenrick vein as exposed at the hole-thru is a strong fissure, vein 4 or 5 feet wide, striking N. 65* E., dipping 72* N. Some gouge, indicating relative wall movement. Vein matter quartz carrying pyrite, galena, chalcopyrite, occasional specks sphalerite, and a little gray copper. Abundant manganese, probably rhodochrosite, which weathers blue-black on large chunks on dump.

Crossing the S. B. Kenrick vein at the portal of No. 1 tunnel is a fissure striking S. 2*-75* E., dipping 78* N. Crossing is naturally shattered ground, accounting for extensive caving at portal. Several little prospect cuts show this fissure was investigated a little, but evidently yielded nothing.

Nos. 2 and 3 tunnels indicate there may be a set of fissures and not a single vein. Area should be studied further, and mapped.

(e) Dumps

No ore dumps.

The dumps on the S. B. Kenrick vein all have small pieces of good ore scattered around over their tops. It is possible that the main bodies of the dumps contain enough ore to make them interesting, but only extensive sampling would determine this. As all the work was on the vein, there may be whole vein matter in the dumps.

(f) Buildings

The log-and-frame house, 1½-story, shown on the patent survey map is standing; structure in sound condition; shingle roof about gone. The log house shown on map has caved in and is destroyed.

No other buildings, and no evidence of a "Kenrick" settlement.

(g) Accessibility

On enclosed topographic map I have indicated the old road which reaches your property. I did not traverse thenupper part of this road, but observed that the lower part, tho slumped on the inside, is all in dirt and loose rock, and could readily be made usable by bull dozing.

(h) Timber

No timber observed on the claim, nor close by. The claim covers a steep grassy slope with an irregularly outlined stand of small aspen, not suitable for timber. Good spruce timber is abundant all around, near by.

(j) Water and power

No water on the property. Possibly a spring near by supplied the men living in the house.

Nearest water is an ample amount in Lake Fork of San Miguel River (see map).

The mine would doubtless supply ample water for mining purposes. The lowest tunnel on the Sam Juan claim adjoining yours on the west, flows a big stream; it probably drains considerable from your mine.

High-tension current is always available, from the high-tension line of Western Colorado Power Company at the foot of the hill. This line is shown on the map.

(k) Topography

The topography is shown onothe enclosed U. S. Geological Survey topographic map. Photographs which I will send later will also show the general topography--just a steep hillside. At Tunnel 5 the hill slopes 35 degrees.

Remarks

Found and practically identified Cors. 1 and 2. Found a post and mound of stone which corresponds to either Cor. 5 or 6, couldn't determine which.

The hillside faces the sunny side, from which the snow leaves earlier than elsewhere.

The "San Bernardo" of your map is now "Matterhorn".

The San Bernardo mine is now being reopened by the principal owner, Otto Beselack, who lives at Matterhorn. There are a number of dwellings and buildings at Matterhorn, untenated.

Yours very truly,

C. R. Wilfley

C. R. Wilfley
Mining Engineer

1879

located 1878; situated on Ruby mountain, Mount Sneffels mining district, seven miles from Ouray; vertical vein, trending northeast and southwest, width, 3 feet, pay vein, 8 inches; nature of ore, gray copper and galena; two adits, 10 and 15 feet in length respectively.

Roanoke. Owned by H. Le Clair and W. S. Stinson; office, Ouray; claim, 300 by 1500 feet; located 1875; situated on Engineer mountain, Uncompahgre mining district, six miles from Ouray; course of vein, east and west, width, 15 feet, pay vein, 3 feet, pitch, 25°; nature of ore, gray copper and galena, assay value, 125 ounces silver per ton; one tunnel, 25 feet and one level 10 feet in length.

Rob Roy. Owned by John C. Munn and W. B. Fonda; office, Ophir; claim, 300 by 1500 feet; located 1878; situated on Silver mountain, Upper San Miguel mining district, three miles from Miguel City and twelve miles from Ouray; vertical vein, trending northeast and southwest, width, 4 feet, pay vein, 18 inches, nature of ore, galena and sulphurets, average value, 150 ounces silver per ton; one shaft 15 feet deep.

Rocky Mountain Lion. Charles Josephs & Co., proprietors; office, Ouray; claim, 300 by 1500 feet; located 1878; situated on Uncompahgre creek, Uncompahgre mining district, five miles from Ouray; vertical vein, trending north and south, width, 30 feet; nature of ore, galena and gray copper; assay value, 250 ounces silver per ton; one shaft, 15 feet deep.

Safe Deposit. T. Resor & Co., proprietors; office, Ouray; claim, 300 by 1500 feet; located 1878; situated on Gold run, Upper San Miguel mining district, nine miles from Ouray; vertical vein, trending northwest and southeast, width, 9 feet, pay vein, 30 inches; nature of ore, galena and gray copper, assay value, 90 ounces silver per ton; one adit, 15 feet in length.

San Juan. Owned by Joseph Cuenin and C. J. Rouech and Howard Home; office, Del Norte; claim, 300 by 1500 feet; located, 1877; situated on Yellow Mountain, Iron Springs mining district, four miles from Miguel City and twelve miles from Ouray; vertical vein, trending northeast and southwest, width, 4 feet, pay vein, 18 inches; nature of ore, gray copper, average value, $245 per ton; one drift, 160 feet in length.

San Juan Hydraulic Mining Co., incorporated June 5, 1877; capital stock, $1,000,000 in 100,000 shares, $10 each; office, Denver; trustees, John A. Luce, Dennis B. Harris, Nicholas S. Snyder, William F. Shanks, Robert Connely, John M. Lord, Edward Ohio, R. T. Brown and Becker Folsom.

San Juan and St. Louis Mining and Smelting Co. Incorporated October 23, 1877; capital stock, $500,000, in 5,000 shares, $100 each; office, Ouray; Robert T. Long, pres., Claude P. Hardin, treas.

San Miguel Hydraulic Mining Co., incorporated June 7, 1877; capital stock, $12,000, in 1,200 shares, $10 each; office, Denver; trustees, Dennis B. Harris, Robert Connely, and William F. Shanks.

Santa Clara. W. H. Lilley & Co., proprietors; office, Ouray; claim, 300 by 1500 feet; located

1883

St. Louis and Lower San Miguel Placer Mining Company.—Incorporated under the laws of Colorado, in August, 1878; capital $200,000, in 2,000 shares of $100 each, non-assessable; president, Dr. Jno. Pitman; secretary, Henry T. Mudd; treasurer, Dr. ——— Hodges—all St. Louis; office Placerville; owns Bar No. 1 (placer), 160 acres; situated on the south side of San Miguel River, one and a fourth miles east of Placerville, Lower San Miguel district, and located in 1876; production probably twenty-eight cents per cubic yard; developed by three and five-eighths miles of fluming, three feet square, 380 feet of sluicing, 480 feet of iron pipe, forty-two inches at the head and narrowing to sixteen inches in width at the other end; worked by one Giant; output $1,200 in the nine days that the property was worked.

San Juan.—300x1500 feet; situated on the south-west slope of Yellow Mountain, a couple of hundred feet above Lake Fork Creek, convenient to the Rico and Ames wagon road, one mile north-east of Trout Lake, and one and a half miles south-east of Ames, Iron Springs district, and located in 1877; owners H. O. Horne, Trout Lake, Joseph Cuenin and Mrs. C. J. Rouech, both Gunnison City; vein a fissure nine feet wide of galena, gray copper, brittle silver, and sulphurets; ina quartz and spar gangue intermixed, milling, when sorted, twenty-five per cent copper, $17 in gold, and ninety ounces silver per ton; developments—four drifts, 280, 290, 120, and 30 feet in length, one sixty-foot shaft, and one twenty-foot drift, with some other workings, exposing large ore-reserves, the same improving with depth, there being apparently two mineral streaks converging together, one of which contains a galena and sulphuret ore, and the other a gray copper, both yielding well; improvement—ore-house, boarding-house, etc., and in addition an abundance of excellent timber.

San Miguel and Valley Placers.—Two claims, 160 acres each; situated on the San Miguel River, five miles west of Telluride, Upper San Miguel district, and located in August, 1880; owners Wm. H. Wheeler, Ames, Henry H. Hart and S. D. Batchelder, both Placerville, Chas. A. Wheeler and W. D. Wheeler, both Ouray, and F. C. Taylor, Denver; developed by one shaft forty feet deep and one-fourth mile of ditch; production probably twenty-five cents per cubic yard.

San Miguel Concession (The).—Incorporated under the laws of Great Britain in July, 1882; capital stock $30,000, in 1,200 shares of $25 each; board of directors: Geo. Reavely, Q. C., chairman, J. B. Akroid, M. E., Sam'l Roberts, Esq., A. H. Ruegg, Esq., and H. L. Vaughan, Esq., all London, Eng.; bankers, Alliance Bank, limited, London; consulting engineer, Thos. Curry Gregory, Eng.; solicitors, Francis & Johnson, 22 Austin Friars, London; secretary, L. K. Church; offices Queen's Building, 46 Queen Victoria street, London, E. C.; manager, Capt. Wm. Maclachlan, Pandora; owns the Little Mary Group, six claims, 300x1500 feet each, viz.: Star of the West, Little Mary, Whale, Little Annie, Bonny, and Pandy; situated in Marshall Basin, two miles north of Pandora, Upper San Miguel district, and located in July, 1881; vein a fissure from six to eight feet wide, pay streak from eighteen to twenty eight inches, containing a tellurium and gold ore in a quartz gangue, milling, when sorted, $500 per ton; developed by two shafts seventy and forty feet deep, four tunnels from twenty to forty feet in length; improvements—two shaft-houses; output twenty-five tons during the progress of development.

San Miguel Crushing and Sampling Works.—Situated in San Miguel City; owner W. H. Strout, San Miguel City; building 44x50 feet; containing ten Stamps, one Frue Vanner, Grinding mill for sampling, Dodge Crusher, and motive power supplied by an eight-horse-power engine and an eight-horse-power boiler; capacity ten tons per day; and one Water-jacket Blast-furnace; capacity ten tons, making a total capacity of twenty tons per day.

1879

Inter-Ocean. Ernest Galt and Charles B. Frye, proprietors; office, Ouray; claim, 300 by 1500 feet; located 1876; situated on Poughkeepsie mountain, Uncompahgre mining district, five miles from Ouray; course of vein, north and south, width, 7 feet, pay vein, 15 inches, pitch, 10°; nature of ore, galena and copper pyrites, assay value, 150 ounces silver per ton; one drift, 28 feet in length.

Inverness. John Billings, proprietor; office, Ouray; claim, 300 by 1500 feet; located 1876; situated 1876; situated on Mount Abram, Uncompahgre mining district, six miles from Ouray; course of vein, northeast and southwest, width, 10 feet, pitch, 30°; nature of ore, gray copper and brittle silver, assay value, 1500 ounces silver per ton; one shaft, 21 feet deep.

Iowa. J. W. Patterson and R. Kerns, proprietors; office, Ouray; claim, 300 by 1500 feet; located 1876; situated on Bear creek, Uncompahgre mining district, four miles from Ouray; course of vein, northwest and southeast, width, 8 feet, pay vein, 2 feet, pitch, 25°; nature of ore, galena and gray copper, assay value, 90 ounces silver per ton; one shaft, 7 feet deep, one adit, 12 feet in length, with 10-foot face.

Iron Sides. D. Durfee and J. R. Rounds, proprietors; office, Ophir; claim, 300 by 1500 feet; located 1877; situated on Silver mountain, Iron Springs mining district, two miles from town of Ophir, and twelve miles from Ouray; course of vein, east and west, width, 20 feet, pitch, 15°; nature of ore, gray copper and galena, assay value, 300 ounces silver per ton; one shaft, 4 feet deep.

Irving. J. B. Andrews and E. B. Cope, proprietors; office, Ouray; claim, 300 by 500 feet; located 1877; situated on Treasure hill, Mount Sneffels mining district, nine miles from Ouray; vertical vein, trending northwest and southeast, width, 6 feet; nature of ore, gray copper, assay value, 160 ounces silver per ton; one adit, 30 feet in length.

Josephine. Owned by W. Ingersoll and J. C. Rankin; office, Ouray; claim, 300 by 1500 feet; located 1877; situated on Uncompahgre creek, Uncompahgre mining district, five miles from Ouray; course of vein, north and south, width, 24 feet, pay vein, 3 feet, pitch, 25°; nature of ore, galena, zinc, copper and iron pyrites, assay value, 160 ounces silver per ton; one tunnel, 20 feet in length which interests the vein 25 feet from the surface.

Junction. Owned by M. N. Funk & Co.; office, Ouray; claim, 300 by 1500 feet; located 1875; situated on Hardin mountain, Uncompahgre mining district, three miles from Ouray; vertical vein, trending northwest and southeast, width, 8 feet, pay vein, 5 feet, nature of ore, gray copper and galena, assay value, 40 to 800 ounces silver per ton; one adit, 20 feet in length, with 25 foot face.

Kenrick, S. B. Owned by J. A. Beattie and A. A. Klingensmith; office, Ophir; claim, 300 by 1500 feet; located 1877; situated on Horn mountain, Iron Springs mining district, four miles from town of Ophir, and twelve miles from Ouray; vertical vein, trending northeast and southwest,

1879

Kenrick

width, 6 feet, pay vein, 18 inches; nature of ore, gray copper and sulphurets, average value, 106 ounces silver, per ton, one tunnel 25 feet in length, intersecting vein at a depth of 25 feet; yield, $400.

Kentucky Belle. Andrew Cumtons, proprietor; office, Ouray; claim, 300 by 1500 feet; located 1876; situated on Uncompahgre creek, Uncompahgre mining district, five miles from Ouray, course of vein, northeast and southwest, width, 20 feet, pitch, 15°; nature of ore, galena, assay value, 80 ounces silver per ton; one shaft 14 feet deep, one adit 20 feet in length, with 16 foot face.

Kentucky Giant. Owned by G. Purcells, J. A. White and P. Cusick; office, Ouray; claim, 300 by 1350 feet; located 1875; situated on Abraham mountain, Uncompahgre mining district, six miles from town of Ouray; course of vein, northeast and southwest, width, 12 feet, pay vein, 4 feet, pitch, 10°; nature of ore, brittle silver and Iron pyrites, average value, 65 ounces silver per ton; one shaft, 70 feet deep, two adits 12 and 18 feet in length respectively.

Keystone Placer. Situated on the north fork of the San Miguel river, three miles from town of San Miguel, and 23 miles from Silverton; comprises 60 acres of ground, worked by hydraulic pressure, has a flume 2,600 feet in length.

King of the Mountain. Owned by J. F. Robison and G. C. Horner; office, Silverton; claim, 300 by 1500 feet; located 1877; situated on Silver mountain, Iron Springs mining district, near town of Ophir, twelve miles from Ouray; course of vein, north and south, width, 2 feet, pay vein, one foot, pitch, 20° southeast; nature of ore, free gold, average value, $48 per ton; one drift, 25 feet feet in length and 18 feet from surface.

Lamar. Owned by L. B. Clay & Co.; office, Ouray; claim, 300 by 15 feet; located 1878; situated in Defiance gulch, Mount Sneffels mining district, nine miles from Ouray; vertical vein, trending north and south, width, 20 feet, pay vein, 2 feet; nature of ore, gray copper and galena; one drift, 30 feet in length and 30 feet from surface.

Last Chance. E. Morton, proprietor; office, Ouray; claim, 300 by 1500 feet; located 1877; situated on Bear creek, Uncompahgre mining district, four miles from Ouray; vertical vein, trending north and south, width, 5 feet, pay vein, 15 inches; nature of ore, galena and gray copper, average value, 80 ounces silver per ton; one shaft 20 feet deep.

Lawrence. Owned by J. L. Arnold, J. M. Mulholland & Co.; office, Ophir; claim, 300 by 1500 feet; located 1878; situated on Silver mountain, Iron Springs mining district, one mile from town of Ophir, and twelve miles from Ouray; course of vein, northeast and southwest, width, 7 inches, pitch, 20°; nature of ore, gray copper and galena; value, 18 ounces silver and 2 ounces gold per ton; one tunnel 20 feet in length.

Lincoln Boy. Owned by G. W. Strouse and S. S. Austin; office, Ouray; claim, 300 by 1500 feet; located 1875; situated on

Charles H. Turner
Mining Engineer

Box 3224 HiMar Sta.
Boulder, Colorado 80303

February 10, 1973

U. S. Department of the Interior
Geological Survey
Office of Minerals Exploration
Federal Center
Denver, Colorado

Gentlemen:

I enclose herewith two sets each of an Application for Financial Assistance in Mineral Exploration, and other items pertaining thereto, as follows:

1. Application (6 pages).
2. Copies of correspondence with First National Bank and National State Bank, both Boulder, Colorado.
3. Reports by Clifford R. Wilfley, Mining Engineer, and G. Carman Ridland, Geol. Engineer.
4. Excerpts from Colorado Mining Directories for years 1879 and 1883, describing the property, ore, and work carried on.
5. Maps as follows- Map A - workings and assays on fringes of old stopes.
   Map B - shows property, access, relative position of former producing mines.
   Map C - regional geology.
   Map D - sections thru proposed drill holes.
6. Assay price schedules from two assay offices.

Very truly yours,

Chas H Turner

Charles H. Turner

encls.

September 28, 1955

Jayson Associates
414 East 52nd Street
New York 22, New York

Gentlemen:

San Juan Mine, Matterhorn, Colorado

I made a very brief visit to the San Juan mining property near Matterhorn, Colorado, and I have received a report on the property by Charles H. Turner dated October 7, 1950.

In view of the current price of 43¢ per pound for copper, and the possibility that the price of copper may even go higher in the future, I believe the San Juan is an unusually attractive mining property.

Property - The property consists of two patented lode mining claims, each 300 feet wide by 1500 feet long, lying end to end, thus covering a prominent fissure for a distance of 3000 feet. As the claims possess apex rights, the veins are held and may be mined to unlimited depth even if they dip beyond the side lines of the two claims. A patented mill site claim is also part of the property.

Location - The property is located at Matterhorn on State Highway 134, a gravel road running between Telluride, 13 miles to the north, and Rico, 16 miles to the southwest. Denver is 333 miles by highway northeast of the property.

Large scale mining and milling operations are in progress at both Telluride and Rico. At the former, Idarado Mining Company, a Newmont Mining Corporation subsidiary, is reopening the Smuggler Mine with a 1,200-ton per day flotation and cyanide mill, and at the latter, the Rico Argentine Mining Company is operating a 250-ton per day flotation mill.

Just east of and adjoining the San Juan property, the Silver Bell Mining Company has temporarily suspended a 150-ton per day mill and mining operation at Ophir, and plan to start up again when they get their uranium properties going. It seems apparent that the Silver Bell is mining the easterly extension of the main vein of the San Juan property.

Only 6 miles east of the Smuggler Mine the Idarado Mining Company is operating a 350-ton per day mine and mill. Hence, the San Juan property is almost surrounded by some of the largest and most successful mining enterprises in Colorado.

Geology - The major, and a secondary, mineralized vein and related geology are described by Turner's report, a copy of which is attached. The writer observed only the area in the vicinity of the portals of three of the most westerly tunnels. Here the country rock is well covered by soil and grass, underbrush and evergreen trees. The dumps and outcrops expose a gray, fine-grained homogeneous sandstone.

Greater portions of the dumps examined contain mineralized material consisting mainly of vuggy and coarsely crystalline quartz and lesser amounts of pyrite, chalcopyrite, bornite, galena, sphalerite and other gray sulphide minerals. A grab sample taken by the writer of average mineralized vein material assayed the following:

	Assay	Value/ton	1/14/74
Gold ($110.18)	0.09 oz./t.	$3.15	10.00
Silver 3.24	4.11 oz./t.	3.70	13.31
Copper .68¢	2.32 %	19.95	31.55
	Value per ton	$26.80	54.86

(Gold @ $35 per oz., silver @ 90¢ per oz., copper @ 43¢ per lb.)

Turner quotes values of samples taken from the dump at "B" based on December, 1948 prices. Copper was 17¢ per pound. At today's price of 43¢ per pound for copper, the following approximate revision should be made to his sample values:

Sample	1948 Value	1955 Value	1974 Value
1	$10.35/ton	$17.50/ton	35.00
2	25.16	43.00	86.00
3	23.63	40.31	80.62
4	24.10	41.95	83.90

$111.18 Au
3.24 Ag
.68 Cu

According to Turner, approximately 50% of the value in 1948 was due to the presence of gold and silver, the balance was mostly copper. Today copper should constitute more than two-thirds the value of the ore.

Recommendations - I recommend the following program:

1. A limited amount of surface stripping by bulldozer or open-pit trenching of the lead-silver vein described by Turner.

2. A plane-table geological map of the surface.

3. Rehabilitate the portal of the lowest adit and advance the heading on the vein a distance of at least 400 feet.

Item 3, above, should be done by contract at a price of approximately

$30 per foot. Hence, the operator will not be investing in mining equipment.

Conclusions - From my examination, it appears this tunnel should encounter mineralization of commercial grade in approximately 150 feet or sooner, and it should continue for an additional 600 feet if the ore shoot mined in the levels above is found to extend downward. If ore is not encountered in 400 feet, a second look should be taken before further work is considered. The risk involved, therefore, is approximately $15,000.00, and the expectation, if the ore continues downward to the adit with the same length and width as it occurs in the upper levels, is the development of approximately 30,000 tons of ore grading $25 to $50 per ton.

Several mills, some in operation and some idle but available on a lease basis, are in the vicinity. Immediate concentration of the ore and sale of the concentrates, therefore, can be attained.

It is more than likely that ore of commercial grade will be encountered in 150 feet of tunneling so that further tunneling will produce ore which can be sold, thus reducing the above $15,000 risk. In fact, little more than $5,000 may be required to be spent before the operation is receiving a return from development ore.

The property, of course, holds promise of becoming just as big and as profitable as its neighbors, the Rico, Smuggler, Idarado, and Silver Bell mines.

Yours respectfully,

G. C. Ridland

G. C. Ridland

GCR:bh

Box 3224 HiMar Sta.
Boulder, Colorado 80303

February 3, 1973

First National Bank
Boulder
Colorado

Gentlemen:

I am planning a limited program of mineral exploration on my mining property, the San Juan Mine, at Matterhorn, in the Telluride district, of Colorado.

The program will include an estimated 550 feet of diamond core drilling, designed to intersect the downward extension of an orebody which was mined by previous operators.

The estimated cost of this work, together with related preparatory rehabilitation, is approximately $11,000.

I would appreciate your advising me as to your interest in financing this project, together with your terms.

Thank you for an early reply.

Very truly yours,

Charles H. Turner

Charles H. Turner

FIRST NATIONAL BANK
IN BOULDER

1800 BROADWAY
BOULDER, COLORADO 80302

February 8, 1973

Mr. Charles H. Turner
Box 3224, HiMar Station
Boulder, Colorado 80303

Dear Mr. Turner:

Thank you for your letter of the 3rd concerning your needs for $11,000 for mineral exploration in the Telluride district, but unfortunately with the money situation getting tighter all the time we are cutting back on our lending policies, restricting the use of funds to our local area, and being more selective in types of collateral we are accepting.

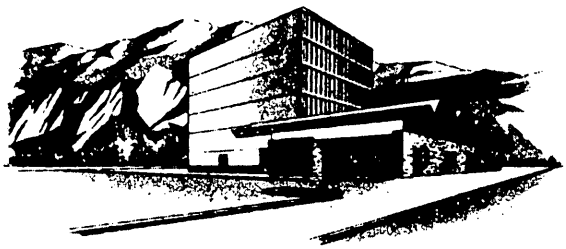
You might wish to contact a bank in the area where you intend to do your exploration.

Sorry that we are not interested in your program at this time.

Respectfully,

Bernard R. Miles

Bernard R. Miles
Vice President



Box 3224 HiMar Sta.
Boulder, Colorado 80303

February 3, 1973

National State Bank
1242 Pearl
Boulder, Colorado

Gentlemen:

I am planning a limited program of mineral exploration on my mining property, the San Juan Mine, at Matterhorn, in the Telluride district, of Colorado.

The program will include an estimated 550 feet of diamond core drilling, designed to intersect the downward extension of an orebody which was mined by previous operators.

The estimated cost of this work, together with related preparatory rehabilitation, is approximately $11,000.

I would appreciate your advising me as to your interest in financing this project, together with your terms.

Thank you for an early reply.

Very truly yours,

Chas H Turner

Charles H. Turner

The National State Bank of Boulder
Post Office Box 227
Boulder, Colorado 80302
Telephone 303 442-0351

National State of Boulder

February 7, 1973

Mr. Charles H. Turner
Box 3224 HiMar Sta.
Boulder, Colorado 80303

Dear Mr. Turner:

Thank you for your letter of February 3rd. First, let me say that it is not the policy of our bank to become involved with the ventures outside of our trade area. For this reason alone, it is doubtful that we can be of any help.

Alternatively, I would recommend contacting some "venture capital" sources or approaching the financial institution with whom you do business for guidance.

If there are some aspects to your proposal that were not outlined in your letter which you feel we still may be interested in, please call for an appointment with one of our Commercial Loan officers.

Sincerely,

Max R. Wiley
Commercial Loan Officer

MRW/lr

(1973 quoted)

$6.00

EFFECTIVE SEPT. 1, 1967

ASSAY CHARGES

GOLD & SILVER $3.50 **Gold $2.50** **Silver $2.50**
Copper ~~$6.50~~ 2. **Lead (Wet) $2.50** **Zinc $2.50**

Aluminum	$ 4.00	Nickel	$ 5.00
Antimony	4.00	Phosphorus	4.00
Arsenic	4.00	Platinum (fire)	3.50
Barium	3.00	Platinum (chemical)	10.00
Beryllium	15.00	Potassium	7.50
Bismuth	5.00	Silica (insoluble)	2.00
Cadmium	10.00	Silica (true)	3.00
Calcium, (Acid)	2.50	Silver (chemical)	5.00
Calcium (Fusion)	3.00	Sodium	7.50
Chromium	3.00	Strontium	10.00
Cobalt	6.00	Sulphur	3.00
Columbium	25.00	Tantalum	25.00
Fluorspar	4.00	Tellurium or Selenium	10.00
Graphite	3.00	Thorium	15.00
Iron (Acid)	2.00	Tin (chemical)	4.00
Iron (Fusion)	2.50	Titanium	5.00
Lithium	10.00	Tungsten	6.00
Magnesium	5.00	Uranium	7.50
Manganese	2.50	Vanadium	3.00
Mercury	3.00	Rare Earths & Thorium	5.00
Molybdenum	5.00	Total Rare Earths	15.00

Other Metals not mentioned $5.00 and up
Qualitative Analysis, for any one metal (rare or common), reporting the presence or absence of that metal Common $1.50 Rare $3.00
Bullion assays, Gold and Silver Double Minimum Rate

ENGINEER OR DUPLICATE ASSAYS

Gold or Silver $4.00
Gold and Silver 5.00

CONTROL ASSAY RATES

Gold, Silver, Copper, Lead, Zinc each $5.00
Gold and Silver 6.00

UMPIRE ASSAY RATES

Gold, Silver, Copper, Lead or Zinc each $7.00
Gold and Silver or Zinc 10.00

IDENTIFICATION REPORTS

This report will identify and name the minerals present in a specimen and list the principal elements composing same $2.50

Charges for work not listed furnished on request.

Free Mailing envelopes or shipping tags.

Write for free copy of our MINERALOGIST'S POCKET REFERENCE, a book giving detailed information on all the principal minerals.

THE COLORADO ASSAYING CO.

Assayers and Chemists

P. O. Box 298 2244 Broadway Denver, Colo. 80201

(OVER)

SPECIAL — GOLD AND PLATINUM ASSAYS ON SAME SAMPLE, $5.00

A 50c SAMPLE PREPARATION CHARGE IS TO BE ADDED FOR EACH SAMPLE ~~WITH ASSAYS TOTALING UNDER $5.00~~

CHARLES O. PARKER & CO.

CHEMISTS ASSAYERS ENGINEERS

2114 CURTIS ST., DENVER, COLORADO 80205

Phone 623-1852

ASSAY PRICE LIST APRIL, 1972

HAND SAMPLES

GOLD	$ 2.00
SILVER	2.00
GOLD & SILVER (SAME SAMPLE)	3.50
GOLD PLACER	1.50
COPPER, LEAD, ZINC, (EACH)	2.00
ALUMINUM	5.00
ANTIMONY	5.00
ARSENIC	5.00
BARIUM	5.00
BERYLLIUM	7.50
BISMUTH	7.50
CADMIUM	7.50
CHROMIUM	7.50
COBALT	7.50
FLUORSPAR (CaF_2)	5.00
IRON	2.50
INSOLUBLE	2.50
LIME	2.50
LOSS ON IGNITION	2.00
MAGNESIUM	5.00
MANGANESE	5.00
MERCURY	5.00
MOLYBDENUM	7.50
NICKEL	5.00
PHOSPHORUS	5.00
PLATINUM	7.50
SILICA	5.00
STRONTIUM	7.50
SULFUR (COMBINED)	2.50
SULFUR (ELEMENTAL)	5.00
TIN	7.50
TITANIUM	7.50
TUNGSTEN	7.50
URANIUM	7.50
VANADIUM	5.00
COMPLETE QUALITATIVE ANALYSIS	15.00
COMPLETE WATER ANALYSIS	PRICE LIST ON REQUEST

Au, Ag, Cu $5.50

DUPLICATE ASSAYS- 1½ TIMES QUOTED CHARGE
CONTROL ASSAYS--- 2 TIMES QUOTED CHARGE
UMPIRE ASSAYS---- 4 TIMES QUOTED CHARGE ON GOLD, SILVER, COPPER, LEAD & ZINC. ALL OTHER ELEMENTS- 3 TIMES QUOTED CHARGE.

WET SAMPLES & SAMPLES OVER 10LBS. ARE SUBJECT TO SMALL PREPARATION CHARGE.

Ken Richardson

Elko

Gold Gri 4.25
Cu 2.50
6.75
75
7.50
.50

(Jumbo Pics Cinnabar)

180
325
900
90
38
540
50
587

$8.50 Au, Ag + Cu
2.50 Pb.

180 Samples of
2.50 Per sample
900
360
$450.00

250 - Hour Pb
.75 Per Hr
2325
3180
2600

$585.00

Your Father's Sister —
Redemption Tax Cert.
$35,796-20
585.00
36381 20

250
75
2325
3180
2600
2650
3585
5

HAMILTON RESOURCES CORPORATION

P.O. BOX 3224 HIMAR STATION BOULDER, COLORADO 80303 (303) 499-3330

April 4, 1974

Mr. J. William Hasler
Field Officer, Region III
O M E, USGS
Denver Federal Center
Denver, Colorado 80225

Re: Chain of Title,
S.B.Kenrick and San
Juan lode claims.

Dear Mr. Hasler:

The S.B.Kenrick lode claim (Surv.2683) was owned and operated by certain of my ancestors, since well before the beginning of this century. However, taxes on the property eventually became delinquent, due to deaths in the family. I redeemed the property in 1944, and received a Treasurer's Deed, dated January 19, 1944.

Subsequently I acquired title to the San Juan lode and millsite (1167 A and B), by virtue of deeds from San Miguel County, dated July 21, 1947 and May 11, 1948.

On May 31, 1949 I conveyed the property to The San Juan Mining & Developing Co., which was under my control.

On October 31, 1969 the San Juan M & D. Co. was sold to new interests, who conveyed the property back to Charles H. Turner, Anne Turner and George E. Otten., on Nov.14, 1969.

George Otten then conveyed his interest (if any) in the property, to Charles H. Turner and Anne Turner, by Quit Claim deed dated November 19, 1969.

On April 23, 1973, Charles H. Turner and Anne Turner conveyed the property to Hamilton Resources Corporation, the present owner.

I am the sole owner of Hamilton Resources Corporation.

Copies of the various conveyances are attached hereto.

Very truly yours,

HAMILTON RESOURCES CORP.

Chas H Turner

Charles H. Turner

75 lbs back $31,057.70

279-2326 → $90 $100.

Turner — 499-3330 Bldgs

267 Silver Bell No contract

542 Paragon (San Bernardo) Pb-Zn

870

1297

2165 — Silver Bell E 312 - Carbonero

2521 Paragon.

2616

2723 Paragon

2854 Mariposa (Butterfly McDowell-McClellan
E-572

3354 Paragon -

Jack Frazer (
Bill Bridges

DMEA 2165 Silver Bell Mining Co.

IdmE. 312 Carbonero Mine

San Miguel County

Examination Report by Meek + McClellan 1952

Final Report by McBlane + Hanna 1956

Stanley Bell patented "King Lear"
San Bernardo.

Information ( ) $90-100.00
100' gon

$31,220.00
$31,057 70

Fix Unit Cost:
300' @ —

Tecla

300' 31,057 70

Thom Blake

Jakewood Equipment
237-0403

MME Form 40
(Revised Nov. 71)

Form approved
Budget Bureau No. 42-R1368

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.)*

Charles H. Turner and Anne Z. Turner
P.O.Box 3224 HiMar Station
Boulder, Colorado 80303

APPLICANT DO NOT USE THIS BLOCK

DOCKET NUMBER

DATE RECEIVED

REGION

DIVISION CODE

BUSINESS ORGANIZATION *(Check one)*

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

STATE IN WHICH FIRM IS ORGANIZED

LIST CORPORATE OFFICERS OR PARTNERS HERE, IF APPLICABLE

NAME	ADDRESS	TITLE

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

ESTIMATED COST OF PROJECT
$10,903.00

PROPERTY NAME	LOCATION COUNTY	STATE
San Juan Mine,	San Miguel,	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. II). 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 Department of the Interior, U.S. Geological Survey, Office of Minerals Exploration, 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.

November 10, 1972
DATED

Charles H. Turner
Anne Z. Turner
BY *(Signature)*

Owners
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

(submit on accompanying pages)

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 (1) *true copies of your letters to credit sources* which show date of loan request, amount and terms requested, and proposed use of loan funds and (2) *true copies of 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 signed by owner on MME Form 52. If the agreements cannot be obtained, state reasons and whether you can furnish a performance bond.

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.

(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) 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. State your reasons for expecting to find ore.

(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, address, and telephone number 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 on maps also the relation of the proposed work to any existing mine workings and to *claim 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 time and materials *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 price 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 and mobilization charge. 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, and materials.

(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).]

Charles H. Turner
Box 3224 HiMar Sta.
Boulder, Colo. 80303

1. Financial Eligibility:

   (a) Two copies of correspondence with First National Bank and National State Bank, both of Boulder, Colorado.

   (b) Not applicable.

   (c) Applicant's share of cost of the exploration work will be advanced by Charles H. Turner, co-owner of the property.

2. Applicant's Rights in Land:

   (a) Owner. No liens, mortgages or other encumbrances.

   (b) San Juan lode, Survey 1167A and S.B.Kenrick lode, Survey 2683, Sections 4 and 5, Township 41 North, Range 9 West, Trout Lake Mining District, San Miguel County, Colorado. Also owned - San Juan millsite, Survey 1167B. This should be exempt from Government royalty and liens. The property is known as the San Juan Mine, or the Matterhorn Drifts, or the Turner Mine.

   (c) Not applicable.

3. Physical Description:

   (a) See Map A, Underground Workings.
   Six adits have been driven on what appears to be the same vein, for a total of approximately 1600 feet advance. Caving has occurred in most of the levels, and they are inaccessible. "F" Level has been stoped for a length of 125 feet and a height of 50 feet. "B" Level has been stoped for a length of 200 feet and a height of about 50 feet. The vein is exposed at the east breast of "B" Stope, and in the drift back to the east of the stope. This was channel sampled, and the results are shown on Map A. "A" Level No.2 Drift was channel sampled, and returned assays as shown on Map A. Due to the change from massive pyritic mineralization in "B" Level, to lead-silver in "A" Level, it is believed that an intersection with a second vein may occur to the east of the present breast of "A" Level.

   "A" Level is equipped with track to the breast of No.2 Drift (in red). This level is serviced by a good access road from State Highway 145, which runs across the property a few hundred feet from the portal. There is also an electric power line to this portal.

Charles H. Turner
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Boulder, Colo. 80303

3. Physical Description (continued):

(b) Original development and production was done by the previous owners prior to 1912. "A" Level No.2 Drift was driven by a lessee, under direction of the applicant, and present owner.

(c) Accurate production data is not available. However, short accounts of the work being done in the San Juan claim, and the S.B.Kenrick claim were published in the Colorado Directory of Mines for the year 1879. In addition, similar synopses were published in the Colorado Mining Directory for the year 1883. It is probable that similar reports were included in the Directories for intervening and later years. These were not available to the applicant.

Copies of these brief reports are attached hereto, and the pertinent details are affixed to Map A, in their appropriate positions.

These reports would appear to provide a description of the ore stoped above "F" Level (S.B.Kenrick), and above "B" Level (San Juan).

There has been no production by the applicant.

(d) No known ore reserves.

(e) The following has been taken from Geological Survey Bulletin 1227, GEOLOGY OF THE MOUNT WILSON QUADRANGLE, WESTERN SAN JUAN MOUNTAINS, COLORADO, Pages 87-88:

"The San Juan claims, sometimes referred to as the Matterhorn drifts (pl.1), are on the east side of the Lake Fork of the San Miguel River, about 1½ miles south of Ames and opposite the San Bernardo mine. Claims were first staked at this site in 1877, and by 1883 the workings consisted of four adits, 280, 290, 120, and 30 feet long, and one 60-foot shaft or winze (Corregan and Lingane, 1883). Probably some additional workings have been driven since then. The lower adit is at an elevation of about 9,675 feet, the upper at 10,040 feet. Only the lower two levels were accessible in 1962. The value of the output is not known but apparently it was small. There had been no systematic stoping, only "gophering" on the lower two levels.

The San Juan vein, in the Ophir stock, follows a westward-trending fissure which may be the eastward continuation of the San Bernardo fissure. The fissure is near the contact with the Mancos Shale, which lies only a few tens of feet south of the lowermost adit, but all the workings were apparently in the stock. As observed at the surface and on the

Charles H. Turner
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3. Physical Description (continued):

two lower levels, the vein is typically 3-8 inches wide, but locally stringers in the walls increase the pay streak width to 2-3 feet. The gangue is of quartz, some of which is vuggy, a considerable amount of brown carbonate minerals, and some barite. In this gangue are bunches or streaks of pyrite, galena, sphalerite, and lesser chalcopyrite and gray copper. No data on the tenor of the ore are available."

The examination which resulted in the above report was made under adverse conditions, in 1962, since the two production levels, "B" and "F", were caved, and the two stopes were not open for inspection. However, the report provides an accurate description of the mineralization.

As indicated in the report, the known vein is a fissure, which is believed to be the eastward extension of the San Bernardo vein. This vein also appears to extend eastward into the Silver Bell Mines Co. property, within their Lookout Claim, Survey 13555.

Although an intersecting vein is indicated, no information is available on this. The purpose of this proposed exploration program is to confirm the downward extension of the ore mined in "B" stope, and possibly, the existence of a second intersecting vein.

(f) The exploration target zone has not been sampled, since it is virgin ground, with no openings. However, the fringe areas of the stopes have been channel sampled. The results are shown on Map A. The assay certificates are not available, since the sampling was carried out be a lessee.

The proposed exploration program is expected to indicate an ore body, since it is reasonable to assume that the ore, which was stoped above "B" Level, will extend downwards thru "A" Level. In the event an intersecting vein is intersected, the possible ounces of gold and silver will be considerably increased.

(g) Reports enclosed -

(i) Short reconnaissance by Clifford R. Wilfley. June 10, 1947.
(ii) Short report by G.C.Ridland, Geol. Engineer. Sept.28, 1955.
(iii) Excerpts from Mining Directories published in 1879 and 1883.

Charles H. Turner
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Physical Description (continued):

Maps enclosed -

(i) Map A - underground workings; samples and assays of fringe areas; proposed core drilling program.
(ii) Map B - property map; shows relative positions of former producing mines, access to property, etc.
(iii) Map C - shows geology and location of property. (Adapted from Plate 1, Geol. Survey Bulletin 1227)
(iv) Map D - sections of proposed core drill holes.

4. Accessibility of Property:

Bldr (353)
Mine - 360

(a) The OME representative will be met at the property by Charles H. Turner, mail address - Box 3224 HiMar Sta., Boulder, Colorado 80303; business phone - 303-499-3330.

The property is located at Matterhorn, Colorado, on the east side of State Highway 145, directly across from the San Bernardo mine (Silver Hat Mining Co.), about 1½ miles south of Ophir. The dumps are plainly visible from the highway, and a good access road runs from the highway to the portal of "A" Level, the main portal.

Cancorwise
74
31
21
126 mil get

(b) Shipping and supply points are Telluride, Colo., a distance of ~~14~~ miles, and Montrose, Colorado, a distance of approximately ~~55~~ miles. (Three mile Corner)
74 Mine to Cortez (60 miles)

5. Exploration Work:

Cancorco
Min Mach
Cortez -

(a) Proposed work will include the following projects, which will be done by the applicant -

(i) Open portal of "A" Level, and install 3 portal square sets; clean up south branch of "A" Level and prepare drill station.
(ii) Drill 550 feet of core drill holes. (See Maps A and D for details).

(b) Not applicable.

(c) The work will be started by May 15, 1973, unless prevented by weather conditions. Estimated time to complete the work is six weeks.

Frontenac Mining Hecexco Co.

W/MR Cont. Co. Mo and Get! (Redvale Colo)
Bull Camp Donny Vale Stan Reed

Charles H. Turner
Box 3224 HiMar Sta.
Boulder, Colo. 80303

6. Experience:

Charles H. Turner, who will direct and supervise the proposed work, has been engaged in mining as a miner, mining engineer, and operator since 1934. Experience includes 3 years as a practical miner, and 4 years as engineer in the Porcupine Camp, Northern Ontario; 4 years as chief mine engineer at La Luz Mines Ltd., in Nicaragua; 6 years consulting practice in Northwest Quebec; 21 years consulting and management in Central America and the Western States. The latter included management of the Cold Spring Tungsten operation at Nederland, Colo., and Superintendent of the Mountain Springs mine of Rico Argentine, at Rico, Colo.

7. Estimate of Costs:

(a) None.

(b) Personal Services

Supervision and engineering - 6 weeks @ 1,000.00 per month (available)		1,500.00
2 men- 30 shifts ea. @ 36.00 (4.50/hr.)		2,160.00
1 man- 30 shifts @ 28.00 (3.50/hr.)		840.00
		4,500.00

(c) Operating Materials and Supplies

1" black pipe - 500' @ .38	190.00	
2" black pipe - 500' @ .82	410.00	
Tatum — AX drill rod - 180' @ 4.00	720.00	
5' AX core barrel - 1 @	190.00	
AX reaming shell - 2 @ 90.00	180.00	
AX core bits - 5 @ 150.00	750.00	
Water swivel - 1 @	63.00	
Diesel fuel - 400 gal. @ .27	108.00	
Small tools - est.	100.00	
Core splitter (Joy) - 1 @	340.00	
		3,051.00

(d) Operating Equipment

325 cfm diesel compressor - 2 mo. rental @ 300.00	600.00	
Est. mobilization	50.00	
Air pump, used - purchase	300.00	
FWD pick-up - 2 mo. rental @ 95.00	190.00	
Core drill (by applicant)		
		1,140.00
Sub total		8,691.00

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Estimate of Costs (continued)

Carried forward		8,691.00
(e) Initial Rehabilitation and Repairs		
Clean out portal "A" Level - est. 18 hrs. front-end loader @20.00	360.00	
Clean up No.1 heading in "A" Lev. - portal to drill station - est.	150.00	
		510.00
(f) New buildings, Fixtures, Installations		
Install 3 standard Square Sets in portal of "A" Level @ 95.00		285.00
(g) Miscellaneous		
(i) Pick-up - 6 weeks		
150 gal. gas @ .40	60.00	
5 gal. oil @ 2.60	13.00	
Maint. & serv. (est.)	45.00	
		118.00
(ii) Assaying - 110 smps. @ 5.50 (C.O.Parker)	605.00	
Accounting & reporting (office)	150.00	
Employee liab.Ins.	20.00	
Payroll tax - 5.85%	264.00	
Workmen's Comp. ($5.76/100.00)	260.00	
		1,299.00
TOTAL		$ 10,903.00

HAMILTON RESOURCES CORPORATION
P. O. BOX 3224 HIMAR STATION
BOULDER, COLORADO 80303

7. Estimate of Costs:

(a) Independent Contracts

Access road work- D7 bulldozer, 30 hrs. @ 27.50		825.00

(b) Personal Services

Supervision & engineering- 3 months @ 1,500.00/month	4,500.00	
2 miners- 3 months @ 1,000.00/mo.	6,000.00	
1 helper- 3 months @ 850.00/month	2,550.00	
1 outside Consultant- 3 days @ 125.00	375.00	
Per diem/consultant- 3 days @ 25.00	75.00	
Transportation/consultant- 2160 miles @ 12¢/mile	259.20	
		13,759.20

(c) Operating Materials & Supplies

Explosives, per foot- 7.00 (x 300')	2,100.00	
Pipe- 700' 3" airline @ 1.25/foot	875.00	
700' 1" water line @ .46/foot	322.00	
Ventube- 100'x18" (flex.) @ 7.90/foot	790.00	
Galvanized vent pipe- 650'x18", @ 2.75	1,787.50	
Steel & bits, per foot- 3.30 (x 300')	990.00	
Small tools (est.)	300.00	
		7,164.50

(d) Operating Equipment

Compressor- 600 cfm electric, 3 months rental @ 850.00/month	2,550.00	
Loader- diesel powered with scrubber, 3 months rental @ 1,000.00	3,000.00	
Gardner-Denver jackleg drill- 3 months rental @ 300.00/month	900.00	
Electric pump- 3 months rental @ 100.00	300.00	
FWD pick-up- 3 months rental @ 110.00	330.00	
Mobilization & Demobilization	300.00	
		7,380.00

(e) Initial Rehabilitation & Repairs

250' of road (see (a) above)

(f) New Buildings, Fixtures, Installations

None

(g) Miscellaneous

(i) Pick-up truck		
Gasoline- 300 gals. @ .50/gal.	150.00	
Oil- 15 gals. @ 3.00/gal.	45.00	
Maintenance & service- 3 months	90.00	
Diesel loader		
Diesel fuel- 600 gals. @ .45/gal.	270.00	
Oil- 25 gals. @ 3.00/gal.	75.00	
Maintenance & service- 3 months	150.00	
		780.00
(ii) Assaying- 180 samples @ 8.50 (Au, Ag, Cu)	1,530.00	
Office- Reporting & Accounting, 3 months @ 50.00/month	150.00	
Payroll taxes, insurance, etc. $13,050.00 x 15%	1,957.50	
		3,637.50
(iii) Services		
Electric power for compressor, blower, pump, 3 months @ 750.00 (est.)		2,250.00
TOTAL		$ 35,796.20