STANDARD FORM NO. 64

# *Office Memorandum* • UNITED STATES GOVERNMENT

TO : Mr. Robert E. Adams, Rm. 4070 DATE: February 5, 1952

FROM : Base Metals Division

SUBJECT: Docket No. DMA 1187, Ute Mining Company

In a letter to Mr. East dated January 16, 1952, the applicant requested cancellation of his application, Docket DMA 1187.

We are transmitting herewith our complete docket on the above application for your files.

D. E. Moulds

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
FEB 5 1952

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

224 New Customhouse
Denver 2, Colorado

January 28, 1952

Memorandum

To: C. O. Mittendorf, Acting Administrator, Defense Minerals Exploration Administration

From: Executive Officer, Field Team, Region IV

Subject: Docket DMA 1187, Ute Mining Company

Please refer to your teletype dated December 28, 1951, as follows: "Reurtel 12-21-51 Ute Mining Company has two applications DMA 1323 and 1187 different properties different locations. We have 1187 application dated 5-17-51 which has not been processed. Is applicant still interested. Signed D. E. Moulds."

The following is quoted from a letter dated January 16, 1952: "DMA 1187 - We did some core drilling at the Little Ida property this last summer which changed the outlook for ore as set out in our application. Since this application has not been processed we are willing to drop this application." The letter was signed: Ute Mining Company by Fred A. Brinker.

It is requested that you please take action to cancel DMA Docket 1187.

J. H. East, Jr.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
FEB 4 1952

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

224 New Customhouse
Denver 2, Colorado

January 28, 1952

Memorandum

To: C. O. Mittendorf, Acting Administrator, Defense Minerals Exploration Administration

From: Executive Officer, Field Team, Region IV

Subject: Docket DMA 1187, Ute Mining Company

Please refer to your teletype dated December 28, 1951, as follows: "Reurtel 12-21-51 Ute Mining Company has two applications DMA 1323 and 1187 different properties different locations. We have 1187 application dated 5-17-51 which has not been processed. Is applicant still interested. Signed D. E. Moulds."

The following is quoted from a letter dated January 16, 1952: "DMA 1187 - We did some core drilling at the Little Ida property this last summer which changed the outlook for ore as set out in our application. Since this application has not been processed we are willing to drop this application." The letter was signed: Ute Mining Company by Fred A. Brinker.

It is requested that you please take action to cancel DMA Docket 1187.

J. H. East, Jr.

WHK:ld

cc: Docket, chron.
Koschmann
Traver

FILE COPY
SURNAME:

Keating
Moulds
Mittendorf (mch)

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

not stripped in R. & R.

D M E A

A. G. Keating
5369 4070

1420137 Salaries & Expenses
Defense Production Activities Interior 1952. "100(100)"
12-28-51

Mr. J. H. East, Jr. Exec. Officer, Reg. IV, 224 New Customhouse Bldg.
Denver, Colorado
DMA 1323 and 1187, Ute Mining Company

REFERENCE 12-21-51 UTE MINING COMPANY HAS TWO APPLICATIONS DMA 1323 and 1187 DIFFERENT AND EXISTS DIFFERENT LOCATIONS. WE HAVE 1187 APPLICATION DATED 5-17-51 WHICH HAS NOT BEEN PROCESSED. IS APPLICANT STILL INTERESTED.

(MCH)

D. H. MOULDS, ACTING CHIEF
BASE METALS DIVISION

AGKeating/hmj
12-28-51
cc to: Mails and Files
Mr. Mittendorf
Mr. Moulds
Mr. Keating
Docket

SENT
DEC 28

Clerical Service Section

12/27/51

To J. H. East Jr.
Denver, Colorado

From: D. E. Moulds

Returel I2-2I Ute Mining Company has two applications DMA I323 and II87 different properties different locations we have II87 application dated 5-I7-5I which has not been processed is applicant still interested.

Keating

C. O. Mittendorf
% Mr. Mose
12-21-51
10:54

THE INTERIOR
Administration
RECEIVED
DEC 26 1951
DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
DEC 26 1951

BUR MINES DN 235 12-21-51 854 AM

C/O MITTENDORF ATTENTION MR. MOSE

NO RECORD OF DMA-1187 IN THIS OFFICE. UTE MINING C
DMA 1323X WHICH ENGINEERS RECOMMEN D FOR APPROVAL.
DECEMBER 12. FRED BRINKER IS THE APPLICANT,S NAME.
SAME PROPERTY.

Auger to field

J H EAST JR

END TWO MSGS PLS ACK FTM

Nenna, Colorado

DEC 26 10 37 AM '51

BUREAU OF MINES
MAIL ROOM
WASHINGTON, D. C.

1-1027
(April 1946)

# UNITED STATES
# DEPARTMENT OF THE INTERIOR

AGENCY Bureau of Mines, Region IV

Originator:

TELETYPE

Ext.: Room:

Appro.:
Date: December 21, 1951
Time:
No.:
To: C. O. Mittendorf - attention Mr. Mose

Subject: No record of DMA 1187 in this office. Ute Mining Company has application DMA 1323X which engineers recommend for approval. Washington notified December 12. Fred Brinker is the applicant's name. Believe this is same property.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
DEC 26 1951

J. H. East, Jr.

CONFIRMATION

Authorized:

Sign original message and transmit to Room ..... in duplicate

U. S. GOVERNMENT PRINTING OFFICE 16—50915-1

12/29/

D.M.A 1323x Lite Mining Co now in field
Field Office says Washington notified 12/12/51
D.M.A 1187x Lite Mining Co same applicant
but different property and different location.

Keating

D M A

A. G. Keating
5369 4070

1420137 Salaries & Expenses
Defense Production Activities Interior 1952. "100(100)"
12-28-51

Mr. J. H. East, Jr. Exec. Officer, eg. IV, 224 New Customhouse Bldg.
Denver, Colorado
DMA 1323 and 1187, Ute Mining Company

[illegible] EL 12-21-51 [illegible] DMA 1323 and

1187 [illegible] 1187 [illegible]

DATED 9-17-51 [illegible]

[illegible]
BA[illegible] DIVISION

AGKeating/hmj
12-28-51
cc to: Mails and Files
Mr. Mittendorf
Mr. Moulds
Mr. Keating
Docket

6-11-51 6/5/51 McKnight Nero Kerrez

Defense Minerals Administration

Review of Application for Exploration Assistance

Docket No. DMA-1187

Commodity Lead-zinc-copper

Total Amount $24,000.00

Govt. Participation 50%

1. Name and Address of Applicant Ute Mining Company, Durango, Colorado

2. Location of Property Little Ida, 2 miles from Animes Forks, San Juan County, Colorado. Specific claims listed in application and shown on claims map.

3. Mineral or metal lead-zinc-copper Is it listed in Section 9 of MO-5? Yes

If not, application will be rejected.

4. Geologic probability of discovery—based on data in application (question #16, 17, 18, 20 and 22)*

Mines or Survey reports, etc., do you rate chances:

a) Good Good (see attached report by W. S. Burbank, Geological Survey).

b) Poor

c) None

d) Don't know—needs field examination

e) Is there an alternative and favorable project? No
(If so, attach an explanation)

5. Is the applicant's right to the property clearly stated? Yes
(question 5, 6, 7)*

6. If applicant is a lessee, is a copy of the lease attached? Owner

Does the lease have sufficient time to run to cover a future productive period? Yes

*question numbers are those of MF-103

Memorandum concerning Item 22 of Form MF-103, Application for Aid for an Exploration Project (DPA, 1950).

Subject: General geologic basis for exploration covering DMA-1187X, Ute Mining Company - Little Ida and other veins, Eureka Mining District, San Juan County, Colorado.

This application requests 50% Government aid in a project to cost $24,000 to explore the veins on the Little Ida, Burrows, and adjoining claims.

The principal proposed project is to drive 600 feet of drift on the Little Ida vein, beginning in the footwall of the Burrows lode. On one copy of the set of 2 maps furnished by the applicant, there is indicated in red crayon by the undersigned, the geologic relationship of the Little Ida, Burrows, and Equator veins, as determined by field work of the Geological Survey.

Geologic mapping of the surface has failed to disclose a strong or persistent extension of the Little Ida vein in the block of ground between the Burrows and Equator lodes. It is therefore possible that the first 400 feet or so of drifting may be in less favorable ground than the last 200 feet, which lies beyond the projected footwall of the Equator vein.

The ground north of (in the footwall of) the Equator vein on the Little Ida appears favorable for finding an ore shoot that crops out at the surface on the Little Ida and Equator veins. In view of the prospective tonnage in this block, even though the first 400 feet may be barren, it is believed that the proposed exploration is justified. It is of course also possible that some ore may be found in the block between the Burrows and Equator that does not crop out at the surface.

It is therefore recommended that the application be approved and, that if conditions later warrant, an additional loan can be granted to develop tonnages in blocks A and B in the footwall of the Equator vein. The working season is short under present road conditions.

W. S. Burbank
Geologist - GS

7. Are subordination agreements necessary? No

a) MF-201? _____

b) MF-202 _____

8. From the data presented, does the proposed project appear feasible from the point of view of:

a) Available manpower Yes

b) Equipment and supplies Yes
(Question 14 plus general knowledge of availability)*

c) Accessibility (question 12)* Roads: good, Silverton to Eureka; Fair, Eureka to Animas Forks; poor, Animas Forks to mine (2 miles); Total 14 miles.

d) Water (question 13)* Sufficient for this project.

e) Power (question 13)* Gasoline engine driven compressor. Only power needed.

Is a field check needed on any of these points? No

9. Does the experience of the applicant appear to be adequate to assure that he can properly conduct the proposed project? (question 4)* Yes

_____

Is a field check needed on this point? No

10. Exhibit A. (questions 21 and 22)*

a) Is the project adequately described? Yes

If not, are there sufficient data given so that you can describe the project? _____ If so, attach a draft.

b) Is there an adequate map or sketch of the proposed work? Yes

_____

c) Is the proposed work "exploration" under the definition of Section 8, MO-5? Yes

If not, what part of it is? _____

_____

_____

_____

Is this part a worthwhile exploration project? _____

d) Are the cost estimates detailed? Yes

Can they be summarized, as on page 2 of Procedural Instruction 5-A, from the available data? Yes If so, attach a draft.

e) Are the cost estimates reasonable? Yes, except as noted in 12-c below.

f) Should more information be requested from applicant? No

g) Is a field examination necessary to complete Exhibit A? No

11. Exhibit B (question 23-d)*

a) Is it applicable? No

b) If so, are sufficient data furnished? _____ If so, attach a draft.

c) Is a field check needed? No

12. Exhibit C (question 23-e, f and g)*

a) Is it applicable? Yes

b) Sufficient data? Yes If so, attach a draft.

c) Are rents and charges reasonable? Rental on compressor, mucker, and truck seem high.

d) Is a field check needed? No

13. Exhibit D (question 23-a, b)*

a) Are there sufficient data? Yes

b) Is the schedule adequate for the work proposed? Yes

c) Is the schedule excessive for the work proposed? No

d) Are the proposed wages and salaries reasonable? Yes

e) Is a field check needed? No

14. Exhibit E (question 23-c)*

a) Is it applicable? No

b) Sufficient data?

c) Reasonable?

d) Field check needed?

15. In your judgment, can the proposed work be done in the proposed time? Yes

(All exploration must be completed within two years)

16. If field examination is not needed, attach your recommendation.
It is recommended for approval E.J.L. G. A. A.

17. If field examination is needed, do you have any special instructions for the field team not indicated by your answers to the foregoing question?

Reviewed by: Erwin J. Lyons, GS

G. A. Apell, BM

Date 6/11/51



97692

6/5/51

Note McKnight Herras

Defense Minerals Administration

Review of Application for Exploration Assistance

Docket No. DMA-1187

Commodity Lead-zinc-copper

Total Amount $24,000.00

Govt. Participation 50%

1. Name and Address of Applicant Ute Mining Company, Durango, Colorado

2. Location of Property Little Ida, 2 miles from Animas Forks, San Juan County, Colorado. Specific claims listed in application and shown on claims map.

3. Mineral or metal lead-zinc-copper Is it listed in Section 9 of MO-5? Yes

If not, application will be rejected.

4. Geologic probability of discovery—based on data in application (question #16, 17, 18, 20 and 22)*

Mines or Survey reports, etc., do you rate chances:

a) Good Good (see attached report by W. S. Burbank, Geological Survey).

b) Poor

c) None

d) Don't know—needs field examination

e) Is there an alternative and favorable project? No
(If so, attach an explanation)

5. Is the applicant's right to the property clearly stated? Yes
(question 5, 6, 7)*

6. If applicant is a lessee, is a copy of the lease attached? Owner

Does the lease have sufficient time to run to cover a future productive period? Yes

*question numbers are those of MF-103

Memorandum concerning Item 22 of Form MP-103, Application for Aid for an Exploration Project (DPA, 1950).

Subject: General geologic basis for exploration covering DMA-1187X, Ute Mining Company - Little Ida and other veins, Eureka Mining District, San Juan County, Colorado.

This application requests 50% Government aid in a project to cost $24,000 to explore the veins on the Little Ida, Burrows, and adjoining claims.

The principal proposed project is to drive 600 feet of drift on the Little Ida vein, beginning in the footwall of the Burrows lode. On one copy of the set of 2 maps furnished by the applicant, there is indicated in red crayon by the undersigned, the geologic relationship of the Little Ida, Burrows, and Equator veins, as determined by field work of the Geological Survey.

Geologic mapping of the surface has failed to disclose a strong or persistent extension of the Little Ida vein in the block of ground between the Burrows and Equator lodes. It is therefore possible that the first 400 feet or so of drifting may be in less favorable ground than the last 200 feet, which lies beyond the projected footwall of the Equator vein.

The ground north of (in the footwall of) the Equator vein on the Little Ida appears favorable for finding an ore shoot that crops out at the surface on the Little Ida and Equator veins. In view of the prospective tonnage in this block, even though the first 400 feet may be barren, it is believed that the proposed exploration is justified. It is of course also possible that some ore may be found in the block between the Burrows and Equator that does not crop out at the surface.

It is therefore recommended that the application be approved and, that if conditions later warrant, an additional loan can be granted to develop tonnages in blocks A and B in the footwall of the Equator vein. The working season is short under present road conditions.

W. S. Burbank
Geologist - GS

7. Are subordination agreements necessary? No

a) MF-201? _____

b) MF-202 _____

8. From the data presented, does the proposed project appear feasible from the point of view of:

a) Available manpower Yes

b) Equipment and supplies Yes
(Question 14 plus general knowledge of availability)*

c) Accessibility (question 12)* Roads: good, Silverton to Eureka; Fair, Eureka to Animas Forks; poor, Animas Forks to mine (2 miles); Total 14 miles.

d) Water (question 13)* Sufficient for this project.

e) Power (question 13)* Gasoline engine driven compressor. Only power needed.

Is a field check needed on any of these points? No

9. Does the experience of the applicant appear to be adequate to assure that he can properly conduct the proposed project? (question 4)* Yes

Is a field check needed on this point? No

10. Exhibit A. (questions 21 and 22)*

a) Is the project adequately described? Yes

If not, are there sufficient data given so that you can describe the project? _____ If so, attach a draft.

b) Is there an adequate map or sketch of the proposed work? Yes

c) Is the proposed work "exploration" under the definition of Section 8, MO-5? Yes

If not, what part of it is? _____

Is this part a worthwhile exploration project?_____

d) Are the cost estimates detailed? Yes

Can they be summarized, as on page 2 of Procedural Instruction 5-A, from the available data? Yes If so, attach a draft.

e) Are the cost estimates reasonable? Yes, except as noted in 12-c below.

f) Should more information be requested from applicant? No

g) Is a field examination necessary to complete Exhibit A? No

11. Exhibit B (question 23-d)*

a) Is it applicable? No

b) If so, are sufficient data furnished?_____ If so, attach a draft.

c) Is a field check needed? No

12. Exhibit C (question 23-e, f and g)*

a) Is it applicable? Yes

b) Sufficient data? Yes If so, attach a draft.

c) Are rents and charges reasonable? Rental on compressor, mucker, and truck seem high.

d) Is a field check needed? No

13. Exhibit D (question 23-a, b)*

a) Are there sufficient data? Yes

b) Is the schedule adequate for the work proposed? Yes

c) Is the schedule excessive for the work proposed? No

d) Are the proposed wages and salaries reasonable? Yes

e) Is a field check needed? No

14. Exhibit E (question 23-c)*

a) Is it applicable? No

b) Sufficient data?

c) Reasonable?

d) Field check needed?

15. In your judgment, can the proposed work be done in the proposed time? Yes

(All exploration must be completed within two years)

16. If field examination is not needed, attach your recommendation.
It is recommended for approval E.J.L. G. A. A.

17. If field examination is needed, do you have any special instructions for the field team not indicated by your answers to the foregoing question?

Reviewed by: Erwin J. Lyons, GS

G. A. Apell, BM

Date 6/11/51



97692

FILE COPY
SURNAME:

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

May 23, 1951

Mr. Fred A. Brinker
President
Ute Mining Company
Durango, Colorado

Subject: DMA-1187X
Re: Exploration Loan
Little Ida Claim

My dear Mr. Brinker:

Receipt is acknowledged of your application and attachments of May 11, 1951 for an exploration loan under the Defense Production Act of 1950.

The application was assigned Docket Number DMA-1187X and was referred to Mr. Otto Herres, Chief, Lead-Zinc Branch on May 18, 1951.

In any future correspondence relating to your application, kindly refer to DMA-1187X.

Sincerely yours,

LANDON F. STROBEL

Landon F. Strobel
Executive Secretary

LFSTROBEL:mab
cc: Strobel 2
Files
Herres
Lyon

Form MF-103
(April 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Budget Bureau No. 42-R1035.
Approval expires 6-30-51.

# APPLICATION FOR AID FOR AN EXPLORATION PROJECT PURSUANT TO MINERAL ORDER 5, UNDER DEFENSE PRODUCTION ACT OF 1950

DO NOT FILL IN THIS BLOCK

Docket No. dma/1187X

Date received 5-17-51

Participation

Ute Mining Company
Durango, Colorado

Name and address of applicant

Date May 11, 1951

FILL IN THIS BLOCK

Date of application May 11, 1951

Estimated cost $ 24,000

Mineral or metal Lead, Zinc, Copper

Percentage of Government participation 50%

Location of mine 2 miles from Animas Forks
Near Silverton, Colorado

Date of filing MF-100

DMA Docket Number, if available dma/1187X

## INSTRUCTIONS

Read Mineral Order 5, Regulations Governing Government Aid in Defense Projects, before completing this application. Submit four signed copies of the application to Defense Minerals Administration, Department of the Interior, Washington 25, D. C., or to the nearest field executive officer thereof, with your name and address on each sheet of the application and all accompanying papers. If any question is inapplicable, or if you cannot answer it, so state on the form. Where the space provided for answer is insufficient, answer on a separate sheet, annex it to the application form, and refer to it in space for answer. If the application is approved, you will be presented with an exploration project contract on Form MF-200, for your signature.

## THE APPLICANT

*1. Is applicant an individual, partnership, or corporation?
*2. If a partnership, state names and addresses of partners.
*3. If a corporation, state names and addresses of officers, directors, and five largest stockholders.
*4. Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who will manage the project.
*5. Are you the owner or the lessee of the property?
6. If owner, state what claims, liens, or encumbrances, if any, are against the property.
7. If lessee, attach a copy of the lease and state if it is in good standing.

NOTE.—It will be necessary to procure and attach to the exploration project contract agreements of claimants, lienors, encumbrances and lessors subordinating their interests in the property to the interest of the Government under the contract.

8. Furnish current financial statement, showing assets and liabilities, and a profit and loss statement.
9. How much money is applicant prepared to invest in proposed project? Is it sufficient to pay your part of the cost of the project as detailed in question 23 of this application form, in accordance with the regulations on Government participation (Section 9 of Mineral Order 5)?

*If you have already answered these questions on MF-100, you are not required to answer the questions for this application.

16—64067-1

## THE PROPERTY

10. (*a*) Give a description of the real property that will be in any way involved in the exploration project, including any existing mine or operating property.
    (*b*) Give the legal description of the exact parcel, plot, or area upon which the exploration is to be conducted.

    NOTE.—If both areas are the same, so state. The only obligation to repay the Government is from the net earnings from any commercial discovery made in the area specified in (*b*) above in which the exploration is to be conducted, and the expenditure of funds which may be charged as costs of the project must be limited to that area or to work necessary to perform the exploration in that area.

*11. State the present and former names of the property, if any.
*12. State, in detail, the location of the property with reference to towns, railroads, roads, shipping points, including distances and directions and kinds and conditions of roads.
*13. State source and quantity of water available for operations and its sufficiency at all seasons.
State amount of power to be used, rate per hour or other cost, and source.
*14. Describe any existing useable facilities, equipment, buildings, or structure now on the property that will be devoted to the exploration work.
15. State in detail how the ore could be shipped and how and where milled.
*16. History:
    (*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for any past suspensions of operations.
    (*b*) State briefly the known history and production of adjoining and neighboring properties.
    (*c*) Furnish any available (private) reports that may apply to this application, including results of mine examinations, recommended exploration and development, and metallurgical investigations.
*17. Production:
    (*a*) If mine is in production, furnish the following information:

| | *Tons per day* | *Grade or analysis* | *Cost per ton* | *Net value per ton* |
|---|---|---|---|---|
| (1) Mining | | | | |
| (2) Milling | | | | |
| (3) Shipped or sold | | | | |

*18. Ore or mineral reserves: (If property is or has been operating.)
    (*a*) Describe the ore or mineral deposits briefly.
    (*b*) Submit available maps and assay data.
    (*c*) Give estimated tonnage and grade of each class of ore reserves.
19. State any conditions or circumstances regarding the property not sufficiently brought out by the foregoing questions.

## THE EXPLORATION

20. For what mineral or minerals and for what types of deposits and ores will the exploration be conducted?
21. Describe briefly, but concisely, the proposed work and the estimated time required to complete it.

    NOTE.—The Government will not participate in a project that will require more than 2 years to complete.
22. Furnish statement of the geological basis of the project with particular emphasis on factors leading the operator to expect the finding of commercial ore bodies. This statement should be accompanied by supporting maps such as geological maps, maps of the proposed openings and assay maps, sample lists, and other pertinent data.

## THE REQUIREMENTS AND COSTS

23. Tabulate in the form of an itemized statement with a sum for each item the estimated requirements and costs of the project so that the total will give the estimated cost of the project in which the Government will participate, as follows:
    (*a*) Labor, by numbers and classes (miners, muckers, millmen, etc.), with wages of each.
    (*b*) Supervisors, by numbers and positions, with salaries of each.
    (*c*) Cost of necessary repairs to existing facilities, structures, and buildings.
    (*d*) Cost of necessary installation or construction of additional facilities, structures, and buildings.
    (*e*) Cost of items of equipment, not now owned by the applicant which must be purchased for operations at a cost of $50 or more each.
    (*f*) Cost of rental for equipment which the operator proposes to rent.
    (*g*) Rental value of items of equipment which the operator now owns and which will be devoted to the work.
    (*h*) Cost of materials and supplies, including items of equipment costing less than $50 each.
    (*i*) Cost of power, water, utilities, and any other items not provided for above.
24. Furnish a time schedule of the project, stated in terms of months after project is approved, showing progress expected to be accomplished and the money expected to be spent.

## CERTIFICATION

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this form and accompanying papers is correct and complete to the best of their knowledge and belief.

Ute Mining Company (Name of company) — By Fred A. Binder (Signature of authorized official)

May 11, 1951 (Date) — President (Title)

**Title 18, U. S. Code (Crimes), Section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.**

*Same as footnote on page 1.

16—64067-1 U. S. GOVERNMENT PRINTING OFFICE

Ute Mining Company
Durango, Colorado



1. Corporation.

2. No partnership.

3. Fred A. Brinker President, Director, Stockholder.
J.M. Brinker VPresident, " "
J. R. C. Tyler Secy-Treas. " "
W. C. Elliott Assist.Secy. Stockholder.
All of the above at Durango, Colorado
W. D. Waltman,Jr. Stockholder
Address - c/o Universal Mills, Fort Worth, Texas.

4. (a)
The Ute Mining Company was incorporated August 31, 1943 for the purpose of developing and operating small mining properties in the San Juan district of Colorado.

During 1943 and 1944 the company was associated with the Blanding Mines Company in it's vanadium operation near Blanding, Utah.

In 1943 it secured a long term lease on the Red Arrow property in Montezuma County, Colorado and operated this property during 1946 and 1947. In 1948 the lease was terminated because of it's being a gold property with marginal ore.

In 1944 the Little Ida property in San Juan County, Colorado was purchased but the company has not operated this property on it's own account. It has been leased part of this time.

In the last several years the company has acquired interest in the Hermes property at Animas Forks, San Juan County, Colorado; the Herbert Placer at Gladstone, San Juan County, Colorado; the Copper Hill property, La Plata County, Colorado; and the Blanding Mines Company, Blanding, Utah. The company has not operated these properties for production but has conducted some exploratory work in preparation for active development work.

(b)
Fred A. Brinker -
Colorado School of Mines graduate 1921, E. M.
1921 to 1931 worked for Metals Exploration Company of Denver, American Smelting and Refining Company at Durango, Anaconda Copper Mining Company, Great Falls, Montana The Ruth Company, Denver, Colorado
1931 to 1935 developing flotation processes for personal account.
1935 to 1939 manager, Denver Flotation and Cyanide Company of Denver, and Sales Manager and Chief of Ore Testing Denver Equipment Company, Denver, Colorado

Ute Mining Company
Durango, Colorado



1939 to present operating and consulting in San Juan district of Colorado including designing and building 7 small mills in district; managing Pride of West, Highland Mary and Blanding properties; and doing consulting work for the Shenandoah-Dives, The King Lease, Telluride Mines and others.

5. Owner of the property.

6. Contract for royalty interest of 3% to H. L. Bigler, Cortez, Colo.
Contract for royalty interest of 1% to Fred A. Brinker, of Durango, Colorado.
Lease to Ray C. Barnes, Silverton, Colo. Burrows vein only.

7. Not lessee.

8.

Balance Sheet
December 31, 1950

| | | |
|---|---|---|
| Assets: | Cash | $ 182.27 |
| | Stores Inventory | 1,151.24 |
| | Accounts Receivable | 500.00 |
| | Notes Receivable | 2,700.00 |
| | Compensation Deposit | 100.00 |
| | Investment Account | 1,348.00 |
| | Land & Claims | 5,008.39 |
| | Machinery & Equipment, less depr. | 3,076.39 |
| | Mining Contracts & Leases | 5,000.00 |
| | Prepaid Royalty | 3,461.54 |
| | | 22,527.83 |
| Liabilities: | | |
| | Notes Payable | 4,500.00 |
| | Advances and Accruals | 1,040.00 |
| Capital and Surplus | | 16,987.83 |
| | | 22,527.83 |

Profit & Loss Statement for 1950 showed a loss of 1,589.74

As stated previously the company is in the process of acquiring promising mining properties and doing preliminary development work.

9. $12,000. It is sufficient to pay company part of project.

Ute Mining Company
Durango, Colorado

Form MF-103
Sheet 3

10. (a)
Little Ida Claim, Survey No. 528 in Eureka Dist., San Juan Co. Colo.
Burrows Extension Claim, Survey No. 117
Little Ida No. 3, Amended Location recorded Book 165, page 490.
See attached claim map.

(b)
Same as (a)

11. Little Ida.

12. Located 14 miles from Silverton, Colorado the nearest rail point. 2 miles from Animas Forks west up the West Fork of the Animas River. Good gravelled road to Eureka from Silverton. Fair road from Eureka to Animas Forks. Poor road from Animas Forks to Little Ida mine. Present workings about 100 yards from road going up the West Fork and road is in to within working distance of the portal.

13. Water for drilling available at portal of present workings. Electric power available at Animas Forks, 2 miles distant. For project compressor will be driven by gasoline engine.

14. One small tool shed on property. No buildings contemplated.

15. Ore could be shipped to Shenandoah-Dives custom mill at Silverton, Colorado. 12 miles from Little Ida. Some ore from Animas Forks District is shipped to American Zinc custom mill in Ouray, Colorado.

16. (a)
This area was one of the first opened up in San Juan County. In the 1870's the miners came over from Lake City and the large and numerous veins of this area attracted their interest. Many claims were located but the absence of gold and silver values soon made the area uninteresting. Three levels were opened up on the Little Ida claim, No. 4, 5 and 6 as shown on the vertical section map enclosed. This work was done before 1900 and nothing has been done since that time, at these upper workings.

The Little Ida was worked some in 1943 and 1944 starting at point marked "A" on the claim map. The assays shown on the vertical section map for Level No. 1 was at the point "A".

Ray C. Barnes of Silverton took a lease in 1947 on the property and followed this ore with a drift. The drift and ore turned to the east as shown on the claim map and he followed this ore on the Burrows vein, not the Little Ida vein, to the end line of the Burrows Extension claim. His production was

| Year | Tons | Au | Ag | Pb | Zn | Cu |
|---|---|---|---|---|---|---|
| 1947 | 409. | .01 | 1.6 | 5.3 | 5.1 | .3 |
| 1948 | 476. | .01 | 1.8 | 6.3 | 5.2 | .2 |

Ute Mining Company
Durango, Colorado



In 1949 the lease to Ray C. Barnes was terminated and another lease was given to Barnes on the Burrows vein only which is approximately N40E strike. The strike of the Little Ida at the point marked "B" on the claim map is approximately N25W. Barnes drove a short crosscut to get under the Burrows ore he took out in 1947 and 1948. This is about 50ft lower vertically than the drift he drove on the ore. Barnes opened up some stringers and a few feet from the present breast is a good vein that has the approximate strike of the Little Ida vein, N25W.

(b)
The Burrows property on the adjoining Burrows claim operated by K. E. Knapp has produced a small amount of very good lead zinc ore. This is on the Burrows vein.

(c)
Refer to Colorado Scientific Society Proceedings Volume 14, No. 7 by V. C. Kelley. This describes the geology and ore deposits of the district. On page 449 he refers to the Little Ida vein as "noteworthy".

It is generally believed that this area will develop into one of the best lead zinc areas in San Juan County.

17. No production except as noted in 16.

18. Block "A" shown on the vertical section contains 30,000 sq.ft. with approximately 10,000 tons of ore.

19. -

20. Lead, zinc, copper/

21. The proposed project is the driving of 600 feet of drift on the Little Ida vein between points "B" and "C" shown on both the claim map and the vertical section.

Time to complete project 6 months excluding the months January, February, March, April and May. This exclusion is because of winter conditions that would prohibit this development work as outlined below.

22. The Little Ida vein is opened up at point "B" and has the strike N25W and dips 70° to the east. This is the same strike and dip as shown at No. 4 level. Above No. 4 level the vein turns to the east and the original locator of the claim so placed his claim to take in this change in strike. The vein has been opened up in Barnes' crosscut 50 feet vertically below No. 1 level with the same strike and dip. Where the proposed drift would start at point "B" the vein assays 6 foot width:

| Au | Ag | Pb | Cu | Zn |
|---|---|---|---|---|
| .01 | 2.7 | 6.6 | .11 | 10.0 |

The proposed project will develop about one-half of Block "B" on the vertical elevation and will indicate whether the ore in Block "A" can be expected to go down below level No.4.

The ore in this area is strictly a milling grade ore and in order to get the maximum production must have a mill at or near the property. The proposed project is about the minimum development for developing Block "B" and about the maximum the company is willing to undertake at this time.

The company has been in this area for many years and has looked ahead at the possibility of rather large developments for this area. In view of this the company has been locating the open ground between the Little Ida claim and the Cacique claim shown on the claim map. The company has also recently acquired the Cross claim adjoining the Cacique claim on the northeast. The company owns the Cacique claim. There are some very large and strong outcrops on the Cacique and Cross claims. This area would be from 400 to 700 feet vertically above the drift on the proposed No. 1 level. Development may prove this to be an important area for production of lead and zinc.

The attached vertical section shows some widths and assays.

As soon as Burrows vein is crossed the country rock is latite which is a favorable rock for ore in this area.

Ute Mining Company

Durango, Colorado



23. (a) 2 Contract Miners @ 10.00 per foot $ 6,000.
1 Trammer after 300 ft, @ 1.50 per hr 900.

(b) 1 man for compressor, outside and to be in charge @ 1.70 per hr 2,040.
Engineering and Supervision @ 150. per month 1,800.

(¢) None

(d) None

(e) None

(f) Rental 210 cu.ft. Compressor, 210. per month 1,260.
" 12B Eimco Mucker 250. " " 1,500.
" Truck 100. " " 600.

(g) Rental 2 IR 35 Drifters @ 75. " " 450.
" 2 20 cu.ft. Ore Cars 25. " " 150.

(h) Gasoline and Oil 600.
Powder 1800.
Caps and Fuse 360.
Bits and Steel 1200.
Drill Parts 200.
Hose 200.
Rail and Fittings 800.
Pipe and Fittings 425.
Ties 475.
Lumber and Timber 250.
Nails, spikes, bolts 125.
Compensation Insurance 325.
Payroll Tax 165.
Misc and Contingencies 2375.

(i) Fuel for compressor motor in (h) —

Total $ 24,000.

24. Project should be completed in 6 working months excluding January, February, March, April and May on account winter snow conditions.

100 feet of drift should be finished per month.

$4000. per month expected to be spent.

Form MF-103
(April 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Budget Bureau No. 42-R1035.
Approval expires 6-30-51.

# APPLICATION FOR AID FOR AN EXPLORATION PROJECT PURSUANT TO MINERAL ORDER 5, UNDER DEFENSE PRODUCTION ACT OF 1950

DO NOT FILL IN THIS BLOCK

Docket No. dma 1187X

Date received 5-17-51

Participation

Ute Mining Company
Durango, Colorado

Name and address of applicant

Date May 11, 1951

FILL IN THIS BLOCK

Date of application May 11, 1951

Estimated cost $ 24,000

Mineral or metal Lead, Zinc, Copper

Percentage of Government participation 50%

Location of mine 2 miles from Animas Forks
Near Silverton, Colorado

Date of filing MF-100

DMA Docket Number, if available dma 1187X

## INSTRUCTIONS

Read Mineral Order 5, Regulations Governing Government Aid in Defense Projects, before completing this application. Submit four signed copies of the application to Defense Minerals Administration, Department of the Interior, Washington 25, D. C., or to the nearest field executive officer thereof, with your name and address on each sheet of the application and all accompanying papers. If any question is inapplicable, or if you cannot answer it, so state on the form. Where the space provided for answer is insufficient, answer on a separate sheet, annex it to the application form, and refer to it in space for answer. If the application is approved, you will be presented with an exploration project contract on Form MF-200, for your signature.

## THE APPLICANT

*1. Is applicant an individual, partnership, or corporation?
*2. If a partnership, state names and addresses of partners.
*3. If a corporation, state names and addresses of officers, directors, and five largest stockholders.
*4. Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who will manage the project.
*5. Are you the owner or the lessee of the property?
6. If owner, state what claims, liens, or encumbrances, if any, are against the property.
7. If lessee, attach a copy of the lease and state if it is in good standing.

NOTE.—It will be necessary to procure and attach to the exploration project contract agreements of claimants, lienors, encumbrances and lessors subordinating their interests in the property to the interest of the Government under the contract.

8. Furnish current financial statement, showing assets and liabilities, and a profit and loss statement.
9. How much money is applicant prepared to invest in proposed project? Is it sufficient to pay your part of the cost of the project as detailed in question 23 of this application form, in accordance with the regulations on Government participation (Section 9 of Mineral Order 5)?

*If you have already answered these questions on MF-100, you are not required to answer the questions for this application.

16—64067-1

## THE PROPERTY

10. (*a*) Give a description of the real property that will be in any way involved in the exploration project, including any existing mine or operating property.
    (*b*) Give the legal description of the exact parcel, plot, or area upon which the exploration is to be conducted.

    NOTE.—If both areas are the same, so state. The only obligation to repay the Government is from the net earnings from any commercial discovery made in the area specified in (*b*) above in which the exploration is to be conducted, and the expenditure of funds which may be charged as costs of the project must be limited to that area or to work necessary to perform the exploration in that area.

*11. State the present and former names of the property, if any.
*12. State, in detail, the location of the property with reference to towns, railroads, roads, shipping points, including distances and directions and kinds and conditions of roads.
*13. State source and quantity of water available for operations and its sufficiency at all seasons.
State amount of power to be used, rate per hour or other cost, and source.
*14. Describe any existing useable facilities, equipment, buildings, or structure now on the property that will be devoted to the exploration work.
15. State in detail how the ore could be shipped and how and where milled.
*16. History:
    (*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for any past suspensions of operations.
    (*b*) State briefly the known history and production of adjoining and neighboring properties.
    (*c*) Furnish any available (private) reports that may apply to this application, including results of mine examinations, recommended exploration and development, and metallurgical investigations.
*17. Production:
    (*a*) If mine is in production, furnish the following information:

| | *Tons per day* | *Grade or analysis* | *Cost per ton* | *Net value per ton* |
|---|---|---|---|---|
| (1) Mining | | | | |
| (2) Milling | | | | |
| (3) Shipped or sold | | | | |

*18. Ore or mineral reserves: (If property is or has been operating.)
    (*a*) Describe the ore or mineral deposits briefly.
    (*b*) Submit available maps and assay data.
    (*c*) Give estimated tonnage and grade of each class of ore reserves.
19. State any conditions or circumstances regarding the property not sufficiently brought out by the foregoing questions.

## THE EXPLORATION

20. For what mineral or minerals and for what types of deposits and ores will the exploration be conducted?
21. Describe briefly, but concisely, the proposed work and the estimated time required to complete it.

    NOTE.—The Government will not participate in a project that will require more than 2 years to complete.

22. Furnish statement of the geological basis of the project with particular emphasis on factors leading the operator to expect the finding of commercial ore bodies. This statement should be accompanied by supporting maps such as geological maps, maps of the proposed openings and assay maps, sample lists, and other pertinent data.

## THE REQUIREMENTS AND COSTS

23. Tabulate in the form of an itemized statement with a sum for each item the estimated requirements and costs of the project so that the total will give the estimated cost of the project in which the Government will participate, as follows:
    (*a*) Labor, by numbers and classes (miners, muckers, millmen, etc.), with wages of each.
    (*b*) Supervisors, by numbers and positions, with salaries of each.
    (*c*) Cost of necessary repairs to existing facilities, structures, and buildings.
    (*d*) Cost of necessary installation or construction of additional facilities, structures, and buildings.
    (*e*) Cost of items of equipment, not now owned by the applicant which must be purchased for operations at a cost of $50 or more each.
    (*f*) Cost of rental for equipment which the operator proposes to rent.
    (*g*) Rental value of items of equipment which the operator now owns and which will be devoted to the work.
    (*h*) Cost of materials and supplies, including items of equipment costing less than $50 each.
    (*i*) Cost of power, water, utilities, and any other items not provided for above.
24. Furnish a time schedule of the project, stated in terms of months after project is approved, showing progress expected to be accomplished and the money expected to be spent.

## CERTIFICATION

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this form and accompanying papers is correct and complete to the best of their knowledge and belief.

Ute Mining Company (Name of company) By Fred A. Brinker (Signature of authorized official)

May 11, 1951 (Date) President (Title)

**Title 18, U. S. Code (Crimes), Section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.**

*Same as footnote on page 1.

16—64067-1 U. S. GOVERNMENT PRINTING OFFICE

Ute Mining Company
Durango, Colorado

Form MF-103
Page 1

1. Corporation.

2. No partnership.

3. Fred A. Brinker President, Director, Stockholder.
J.M. Brinker VPresident, " "
J. R. C. Tyler Secy-Treas. " "
W. C. Elliott Assist.Secy. Stockholder.
All of the above at Durango, Colorado
W. D. Waltman,Jr. Stockholder
Address - c/o Universal Mills, Fort Worth, Texas.

4. (a)
The Ute Mining Company was incorporated August 31, 1943 for the purpose of developing and operating small mining properties in the San Juan district of Colorado.

During 1943 and 1944 the company was associated with the Blanding Mines Company in it's vanadium operation near Blanding, Utah.

In 1943 it secured a long term lease on the Red Arrow property in Montezuma County, Colorado and operated this property during 1946 and 1947. In 1948 the lease was terminated because of it's being a gold property with marginal ore.

In 1944 the Little Ida property in San Juan County, Colorado was purchased but the company has not operated this property on it's own account. It has been leased part of this time.

In the last several years the company has acquired interest in the Hermes property at Animas Forks, San Juan County, Colorado; the Herbert Placer at Gladstone, San Juan County, Colorado; the Copper Hill property, La Plata County, Colorado; and the Blanding Mines Company, Blanding, Utah. The company has not operated these properties for production but has conducted some exploratory work in preparation for active development work.

(b)
Fred A. Brinker -
Colorado School of Mines graduate 1921, E. M.
1921 to 1931 worked for Metals Exploration Company of Denver,
American Smelting and Refining Company at Durango,
Anaconda Copper Mining Company, Great Falls, Montana
The Ruth Company, Denver, Colorado
1931 to 1935 developing flotation processes for personal account.
1935 to 1939 manager, Denver Flotation and Cyanide Company
of Denver, and Sales Manager and Chief of Ore Testing
Denver Equipment Company, Denver, Colorado

MAY 19 1951

5

Ute Mining Company
Durango, Colorado



1939 to present operating and consulting in San Juan district of Colorado including designing and building 7 small mills in district; managing Pride of West, Highland Mary and Blanding properties; and doing consulting work for the Shenandoah-Dives, The King Lease, Telluride Mines and others.

5. Owner of the property.

6. Contract for royalty interest of 3% to H. L. Bigler, Cortez, Colo.
Contract for royalty interest of 1% to Fred A. Brinker, of Durango, Colorado.
Lease to Ray C. Barnes, Silverton, Colo. Burrows vein only.

7. Not lessee.

8.

Balance Sheet
December 31, 1950

| | | |
|---|---|---|
| Assets: | Cash | $ 182.27 |
| | Stores Inventory | 1,151.24 |
| | Accounts Receivable | 500.00 |
| | Notes Receivable | 2,700.00 |
| | Compensation Deposit | 100.00 |
| | Investment Account | 1,348.00 |
| | Land & Claims | 5,008.39 |
| | Machinery & Equipment, less depr. | 3,076.39 |
| | Mining Contracts & Leases | 5,000.00 |
| | Prepaid Royalty | 3,461.54 |
| | | 22,527.83 |
| Liabilities: | | |
| | Notes Payable | 4,500.00 |
| | Advances and Accruals | 1,040.00 |
| Capital and Surplus | | 16,987.83 |
| | | 22,527.83 |

Profit & Loss Statement for 1950 showed a loss of 1,589.74

As stated previously the company is in the process of acquiring promising mining properties and doing preliminary development work.

9. $12,000. It is sufficient to pay company part of project.

Ute Mining Company
Durango, Colorado

Form MF-103
Sheet 3

10. (a)
Little Ida Claim, Survey No. 528 in Eureka Dist., San Juan Co. Colo.
Burrows Extension Claim, Survey No. 117
Little Ida No. 3, Amended Location recorded Book 165, page 490.
See attached claim map.

(b)
Same as (a)

11. Little Ida.

12. Located 14 miles from Silverton, Colorado the nearest rail point. 2 miles from Animas Forks west up the West Fork of the Animas River. Good gravelled road to Eureka from Silverton. Fair road from Eureka to Animas Forks. Poor road from Animas Forks to Little Ida mine. Present workings about 100 yards from road going up the West Fork and road is in to within working distance of the portal.

13. Water for drilling available at portal of present workings. Electric power available at Animas Forks, 2 miles distant. For project compressor will be driven by gasoline engine.

14. One small tool shed on property. No buildings contemplated.

15. Ore could be shipped to Shenandoah-Dives custom mill at Silverton, Colorado. 12 miles from Little Ida. Some ore from Animas Forks District is shipped to American Zinc custom mill in Ouray, Colorado.

16. (a)
This area was one of the first opened up in San Juan County. In the 1870's the miners came over from Lake City and the large and numerous veims of this area attracted their interest. Many claims were located but the absence of gold and silver values soon made the area uninteresting. Three levels were opened up on the Little Ida claim, No. 4, 5 and 6 as shown on the vertical section map enclosed. This work was done before 1900 and nothing has been done since that time, at these upper workings.

The Little Ida was worked some in 1943 and 1944 starting at point marked "A" on the claim map. The assays shown on the vertical section map for Level No. 1 was at the point "A".

Ray C. Barnes of Silverton took a lease in 1947 on the property and followed this ore with a drift. The drift and ore turned to the east as shown on the claim map and he followed this ore on the Burrows vein, not the Little Ida vein, to the end line of the Burrows Extension claim. His production was

| Year | Tons | Au | Ag | Pb | Zn | Cu |
|---|---|---|---|---|---|---|
| 1947 | 409. | .01 | 1.6 | 5.3 | 5.1 | .3 |
| 1948 | 476. | .01 | 1.8 | 6.3 | 5.2 | .2 |

In 1949 the lease to Ray C. Barnes was terminated and another lease was given to Barnes on the Burrows vein only which is approximately N40E strike. The strike of the Little Ida at the point marked "B" on the claim map is approximately N25W. Barnes drove a short crosscut to get under the Burrows ore he took out in 1947 and 1948. This is about 50ft lower vertically than the drift he drove on the ore. Barnes opened up some stringers and a few feet from the present breast is a good vein that has the approximate strike of the Little Ida vein, N25W.

(b)
The Burrows property on the adjoining Burrows claim operated by K. E. Knapp has produced a small amount of very good lead zinc ore. This is on the Burrows vein.

(c)
Refer to Colorado Scientific Society Proceedings Volume 14, No. 7 by V. C. Kelley. This describes the geology and ore deposits of the district. On page 449 he refers to the Little Ida vein as "noteworthy".

It is generally believed that this area will develop into one of the best lead zinc areas in San Juan County.

17. No production except as noted in 16.

18. Block "A" shown on the vertical section contains 30,000 sq.ft. with approximately 10,000 tons of ore.

19. -

20. Lead, zinc, copper.

21. The proposed project is the driving of 600 feet of drift on the Little Ida vein between points "B" and "C" shown on both the claim map and the vertical section.

Time to complete project 6 months excluding the months January, February, March, April and May. This exclusion is because of winter conditions that would prohibit this development work as outlined below.

22. The Little Ida vein is opened up at point "B" and has the strike N25W and dips 70° to the east. This is the same strike and dip as shown at No. 4 level. Above No. 4 level the vein turns to the east and the original locator of the claim so placed his claim to take in this change in strike. The vein has been opened up in Barnes' crosscut 50 feet vertically below No. 1 level with the same strike and dip. Where the proposed drift would start at point "B" the vein assays 6 foot width:

| Au | Ag | Pb | Cu | Zn |
|---|---|---|---|---|
| .01 | 2.7 | 6.6 | .11 | 10.0 |

The proposed project will develop about one-half of Block "B" on the vertical elevation and will indicate whether the ore in Block "A" can be expected to go down below level No.4.

The ore in this area is strictly a milling grade ore and in order to get the maximum production must have a mill at or near the property. The proposed project is about the minimum development for developing Block "B" and about the maximum the company is willing to undertake at this time.

The company has been in this area for many years and have looked ahead at the possibility of rather large developments for this area. In view of this the company has been locating the open ground between the Little Ida claim and the Cacique claim shown on the claim map. The company has also recently acquired the Cross claim adjoining the Cacique claim on the northeast. The company owns the Cacique claim. There are some very large and strong outcrops on the Cacique and Cross claims. This area would be from 400 to 700 feet vertically above the drift on the proposed No. 1 level. Development may prove this to be an important area for production of lead and zinc.

The attached vertical section shows some widths and assays.

As soon as Burrows vein is crossed the country rock is latite which is a favorable rock for ore in this area.

Ute Mining Company

Durango, Colorado



23. (a) 2 Contract Miners @ 10.00 per foot $ 6,000.
1 Trammer after 300 ft, @ 1.50 per hr 900.

(b) 1 man for compressor, outside and to be in charge @ 1.70 per hr 2,040.
Engineering and Supervision @ 150. per month 1,800.

(c) None

(d) None

(e) None

(f) Rental 210 cu.ft. Compressor, 210. per month 1,260.
" 12B Eimco Mucker 250. " " 1,500.
" Truck 100. " " 600.

(g) Rental 2 IR 35 Drifters @ 75. " " 450.
" 2 20 cu.ft. Ore Cars 25. " " 150.

(h) Gasoline and Oil 600.
Powder 1800.
Caps and Fuse 360.
Bits and Steel 1200.
Drill Parts 200.
Hose 200.
Rail and Fittings 800.
Pipe and Fittings 425.
Ties 475.
Lumber and Timber 250.
Nails, spikes, bolts 125.
Compensation Insurance 325.
Payroll Tax 165.
Misc and Contingencies 2375.

(i) Fuel for compressor motor in (h) —

Total $ 24,000.

24. Project should be completed in 6 working months excluding January, February, March, April and May on account winter snow conditions.

100 feet of drift should be finished per month.

$4000. per month expected to be spent.

Form MF-103
(April 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Budget Bureau No. 42-R1035.
Approval expires 6-30-51.

# APPLICATION FOR AID FOR AN EXPLORATION PROJECT PURSUANT TO MINERAL ORDER 5, UNDER DEFENSE PRODUCTION ACT OF 1950

DO NOT FILL IN THIS BLOCK

Docket No. dma 1187X

Date received 5-17-51

Participation

Ute Mining Company
Durango, Colorado

Name and address of applicant

Date May 11, 1951

FILL IN THIS BLOCK

Date of application May 11, 1951

Estimated cost $ 24,000

Mineral or metal Lead, Zinc, Copper

Percentage of Government participation 50%

Location of mine 2 miles from Animas Forks
Near Silverton, Colorado

Date of filing MF-100

DMA Docket Number, if available dma 1187X

## INSTRUCTIONS

Read Mineral Order 5, Regulations Governing Government Aid in Defense Projects, before completing this application. Submit four signed copies of the application to Defense Minerals Administration, Department of the Interior, Washington 25, D. C., or to the nearest field executive officer thereof, with your name and address on each sheet of the application and all accompanying papers. If any question is inapplicable, or if you cannot answer it, so state on the form. Where the space provided for answer is insufficient, answer on a separate sheet, annex it to the application form, and refer to it in space for answer. If the application is approved, you will be presented with an exploration project contract on Form MF-200, for your signature.

## THE APPLICANT

*1. Is applicant an individual, partnership, or corporation?
*2. If a partnership, state names and addresses of partners.
*3. If a corporation, state names and addresses of officers, directors, and five largest stockholders.
*4. Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who will manage the project.
*5. Are you the owner or the lessee of the property?
6. If owner, state what claims, liens, or encumbrances, if any, are against the property.
7. If lessee, attach a copy of the lease and state if it is in good standing.

NOTE.—It will be necessary to procure and attach to the exploration project contract agreements of claimants, lienors, encumbrances and lessors subordinating their interests in the property to the interest of the Government under the contract.

8. Furnish current financial statement, showing assets and liabilities, and a profit and loss statement.
9. How much money is applicant prepared to invest in proposed project? Is it sufficient to pay your part of the cost of the project as detailed in question 23 of this application form, in accordance with the regulations on Government participation (Section 9 of Mineral Order 5)?

*If you have already answered these questions on MF-100, you are not required to answer the questions for this application.

16—64067-1

## THE PROPERTY

10. (*a*) Give a description of the real property that will be in any way involved in the exploration project, including any existing mine or operating property.

(*b*) Give the legal description of the exact parcel, plot, or area upon which the exploration is to be conducted.

NOTE.—If both areas are the same, so state. The only obligation to repay the Government is from the net earnings from any commercial discovery made in the area specified in (*b*) above in which the exploration is to be conducted, and the expenditure of funds which may be charged as costs of the project must be limited to that area or to work necessary to perform the exploration in that area.

*11. State the present and former names of the property, if any.

*12. State, in detail, the location of the property with reference to towns, railroads, roads, shipping points, including distances and directions and kinds and conditions of roads.

*13. State source and quantity of water available for operations and its sufficiency at all seasons.
State amount of power to be used, rate per hour or other cost, and source.

*14. Describe any existing useable facilities, equipment, buildings, or structure now on the property that will be devoted to the exploration work.

15. State in detail how the ore could be shipped and how and where milled.

*16. History:

(*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for any past suspensions of operations.

(*b*) State briefly the known history and production of adjoining and neighboring properties.

(*c*) Furnish any available (private) reports that may apply to this application, including results of mine examinations, recommended exploration and development, and metallurgical investigations.

*17. Production:

(*a*) If mine is in production, furnish the following information:

| | *Tons per day* | *Grade or analysis* | *Cost per ton* | *Net value per ton* |
|---|---|---|---|---|
| (1) Mining | | | | |
| (2) Milling | | | | |
| (3) Shipped or sold | | | | |

*18. Ore or mineral reserves: (If property is or has been operating.)

(*a*) Describe the ore or mineral deposits briefly.

(*b*) Submit available maps and assay data.

(*c*) Give estimated tonnage and grade of each class of ore reserves.

19. State any conditions or circumstances regarding the property not sufficiently brought out by the foregoing questions.

## THE EXPLORATION

20. For what mineral or minerals and for what types of deposits and ores will the exploration be conducted?

21. Describe briefly, but concisely, the proposed work and the estimated time required to complete it.

NOTE.—The Government will not participate in a project that will require more than 2 years to complete.

22. Furnish statement of the geological basis of the project with particular emphasis on factors leading the operator to expect the finding of commercial ore bodies. This statement should be accompanied by supporting maps such as geological maps, maps of the proposed openings and assay maps, sample lists, and other pertinent data.

## THE REQUIREMENTS AND COSTS

23. Tabulate in the form of an itemized statement with a sum for each item the estimated requirements and costs of the project so that the total will give the estimated cost of the project in which the Government will participate, as follows:

(*a*) Labor, by numbers and classes (miners, muckers, millmen, etc.), with wages of each.

(*b*) Supervisors, by numbers and positions, with salaries of each.

(*c*) Cost of necessary repairs to existing facilities, structures, and buildings.

(*d*) Cost of necessary installation or construction of additional facilities, structures, and buildings.

(*e*) Cost of items of equipment, not now owned by the applicant which must be purchased for operations at a cost of $50 or more each.

(*f*) Cost of rental for equipment which the operator proposes to rent.

(*g*) Rental value of items of equipment which the operator now owns and which will be devoted to the work.

(*h*) Cost of materials and supplies, including items of equipment costing less than $50 each.

(*i*) Cost of power, water, utilities, and any other items not provided for above.

24. Furnish a time schedule of the project, stated in terms of months after project is approved, showing progress expected to be accomplished and the money expected to be spent.

## CERTIFICATION

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this form and accompanying papers is correct and complete to the best of their knowledge and belief.

Ute Mining Company (Name of company) By Fred A. Brunker (Signature of authorized official)

May 11, 1951 (Date) President (Title)

Title 18, U. S. Code (Crimes), Section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

*Same as footnote on page 1.

16—64067-1 U. S. GOVERNMENT PRINTING OFFICE

Ute Mining Company
Durango, Colorado



1. Corporation.

2. No partnership.

3. Fred A. Brinker President, Director, Stockholder.
J.M. Brinker VPresident, " "
J. R. C. Tyler Secy-Treas. " "
W. C. Elliott Assist.Secy. Stockholder.
All of the above at Durango, Colorado
W. D. Waltman,Jr. Stockholder
Address - c/o Universal Mills, Fort Worth, Texas.

4. (a)
The Ute Mining Company was incorporated August 31, 1943 for the purpose of developing and operating small mining properties in the San Juan district of Colorado.

During 1943 and 1944 the company was associated with the Blanding Mines Company in it's vanadium operation near Blanding, Utah.

In 1943 it secured a long term lease on the Red Arrow property in Montezuma County, Colorado and operated this property during 1946 and 1947. In 1948 the lease was terminated because of it's being a gold property with marginal ore.

In 1944 the Little Ida property in San Juan County, Colorado was purchased but the company has not operated this property on it's own account. It has been leased part of this time.

In the last several years the company has acquired interest in the Hermes property at Animas Forks, San Juan County, Colorado; the Herbert Placer at Gladstone, San Juan County, Colorado; the Copper Hill property, La Plata County, Colorado; and the Blanding Mines Company, Blanding, Utah. The company has not operated these properties for production but has conducted some exploratory work in preparation for active development work.

(b)
Fred A. Brinker -
Colorado School of Mines graduate 1921, E. M.
1921 to 1931 worked for Metals Exploration Company of Denver, American Smelting and Refining Company at Durango, Anaconda Copper Mining Company, Great Falls, Montana The Ruth Company, Denver, Colorado
1931 to 1935 developing flotation processes for personal account.
1935 to 1939 manager, Denver Flotation and Cyanide Company of Denver, and Sales Manager and Chief of Ore Testing Denver Equipment Company, Denver, Colorado

Ute Mining Company
Durango, Colorado



1939 to present operating and consulting in San Juan district of Colorado including designing and building 7 small mills in district; managing Pride of West, Highland Mary and Blanding properties; and doing consulting work for the Shenandoah-Dives, The King Lease, Telluride Mines and others.

5. Owner of the property.

6. Contract for royalty interest of 3% to H. L. Bigler, Cortez, Colo.
Contract for royalty interest of 1% to Fred A. Brinker, of Durango, Colorado.
Lease to Ray C. Barnes, Silverton, Colo. Burrows vein only.

7. Not lessee.

8.

Balance Sheet
December 31, 1950

| | | |
|---|---|---|
| Assets: | Cash | $ 182.27 |
| | Stores Inventory | 1,151.24 |
| | Accounts Receivable | 500.00 |
| | Notes Receivable | 2,700.00 |
| | Compensation Deposit | 100.00 |
| | Investment Account | 1,348.00 |
| | Land & Claims | 5,008.39 |
| | Machinery & Equipment, less depr. | 3,076.39 |
| | Mining Contracts & Leases | 5,000.00 |
| | Prepaid Royalty | 3,461.54 |
| | | 22,527.83 |
| Liabilities: | | |
| | Notes Payable | 4,500.00 |
| | Advances and Accruals | 1,040.00 |
| Capital and Surplus | | 16,987.83 |
| | | 22,527.83 |

Profit & Loss Statement for 1950 showed a loss of 1,589.74

As stated previously the company is in the process of acquiring promising mining properties and doing preliminary development work.

9. $12,000. It is sufficient to pay company part of project.

Ute Mining Company
Durango, Colorado

Form MF-103
Sheet 3

10. (a)
Little Ida Claim, Survey No. 528 in Eureka Dist., San Juan Co. Colo.
Burrows Extension Claim, Survey No. 117
Little Ida No. 3, Amended Location recorded Book 165, page 490.
See attached claim map.

(b)
Same as (a)

11. Little Ida.

12. Located 14 miles from Silverton, Colorado the nearest rail point. 2 miles from Animas Forks west up the West Fork of the Animas River. Good gravelled road to Eureka from Silverton. Fair road from Eureka to Animas Forks. Poor road from Animas Forks to Little Ida mine. Present workings about 100 yards from road going up the West Fork and road is in to within working distance of the portal.

13. Water for drilling available at portal of present workings. Electric power available at Animas Forks, 2 miles distant. For project compressor will be driven by gasoline engine.

14. One small tool shed on property. No buildings contemplated.

15. Ore could be shipped to Shenandoah-Dives custom mill at Silverton, Colorado. 12 miles from Little Ida. Some ore from Animas Forks District is shipped to American Zinc custom mill in Ouray, Colorado.

16. (a)
This area was one of the first opened up in San Juan County. In the 1870's the miners came over from Lake City and the large and numerous veins of this area attracted their interest. Many claims were located but the absence of gold and silver values soon made the area uninteresting. Three levels were opened up on the Little Ida claim, No. 4, 5 and 6 as shown on the vertical section map enclosed. This work was done before 1900 and nothing has been done since that time, at these upper workings.

The Little Ida was worked some in 1943 and 1944 starting at point marked "A" on the claim map. The assays shown on the vertical section map for Level No. 1 was at the point "A".

Ray C. Barnes of Silverton took a lease in 1947 on the property and followed this ore with a drift. The drift and ore turned to the east as shown on the claim map and he followed this ore on the Burrows vein, not the Little Ida vein, to the end line of the Burrows Extension claim. His production was

| Year | Tons | Au | Ag | Pb | Zn | Cu |
|---|---|---|---|---|---|---|
| 1947 | 409. | .01 | 1.6 | 5.3 | 5.1 | .3 |
| 1948 | 476. | .01 | 1.8 | 6.3 | 5.2 | .2 |

In 1949 the lease to Ray C. Barnes was terminated and another lease was given to Barnes on the Burrows vein only which is approximately N40E strike. The strike of the Little Ida at the point marked "B" on the claim map is approximately N25W. Barnes drove a short crosscut to get under the Burrows ore he took out in 1947 and 1948. This is about 50ft lower vertically than the drift he drove on the ore. Barnes opened up some stringers and a few feet from the present breast is a good vein that has the approximate strike of the Little Ida vein, N25W.

(b)
The Burrows property on the adjoining Burrows claim operated by K. E. Knapp has produced a small amount of very good lead zinc ore. This is on the Burrows vein.

(c)
Refer to Colorado Scientific Sociaty Proceedings Volume 14, No. 7 by V. C. Kelley. This describes the geology and ore deposits of the district. On page 449 he refers to the Little Ida vein as "noteworthy".

It is generally believed that this area will develop into one of the best lead zinc areas in San Juan County.

17. No production except as noted in 16.

18. Block "A" shown on the vertical section contains 30,000 sq.ft. with approximately 10,000 tons of ore.

19. -

20. Lead, zinc, copper.

21. The proposed project is the driving of 600 feet of drift on the Little Ida vein between points "B" and "C" shown on both the claim map and the vertical section.

Time to complete project 6 months excluding the months January, February, March, April and May. This exclusion is because of winter conditions that would prohibit this development work as outlined below.

22. The Little Ida vein is opened up at point "B" and has the strike N25W and dips 70° to the east. This is the same strike and dip as shown at No. 4 level. Above No. 4 level the vein turns to the east and the original locator of the claim so placed his claim to take in this change in strike. The vein has been opened up in Barnes' crosscut 50 feet vertically below No. 1 level with the same strike and dip. Where the proposed drift would start at point "B" the vein assays 6 foot width:

| Au | Ag | Pb | Cu | Zn |
|---|---|---|---|---|
| .01 | 2.7 | 6.6 | .11 | 10.0 |

The proposed project will develop about one-half of Block "B" on the vertical elevation and will indicate whether the ore in Block "A" can be expected to go down below level No.4.

The ore in this area is strictly a milling grade ore and in order to get the maximum production must have a mill at or near the property. The proposed project is about the minimum development for developing Block "B" and about the maximum the company is willing to undertake at this time.

The company has been in this area for many years and has looked ahead at the possibility of rather large developments for this area. In view of this the company has been locating the open ground between the Little Ida claim and the Cacique claim shown on the claim map. The company has also recently acquired the Cross claim adjoining the Cacique claim on the northeast. The company owns the Cacique claim. There are some very large and strong outcrops on the Cacique and Cross claims. This area would be from 400 to 700 feet vertically above the drift on the proposed No. 1 level. Development may prove this to be an important area for production of lead and zinc.

The attached vertical section shows some widths and assays.

As soon as Burrows vein is crossed the country rock is latite which is a favorable rock for ore in this area.

Ute Mining Company

Durango, Colorado



23. (a) 2 Contract Miners @ 10.00 per foot $ 6,000.
1 Trammer after 300 ft, @ 1.50 per hr 900.

(b) 1 man for compressor, outside and to be in charge @ 1.70 per hr 2,040.
Engineering and Supervision @ 150. per month 1,800.

(¢) None

(d) None

(e) None

(f) Rental 210 cu.ft. Compressor, 210. per month 1,260.
" 12B Eimco Mucker 250. " " 1,500.
" Truck 100. " " 600.

(g) Rental 2 IR 35 Drifters @ 75. " " 450.
" 2 20 cu.ft. Ore Cars 25. " " 150.

(h) Gasoline and Oil 600.
Powder 1800.
Caps and Fuse 360.
Bits and Steel 1200.
Drill Parts 200.
Hose 200.
Rail and Fittings 800.
Pipe and Fittings 425.
Ties 475.
Lumber and Timber 250.
Nails, spikes, bolts 125.
Compensation Insurance 325.
Payroll Tax 165.
Misc and Contingencies 2375.

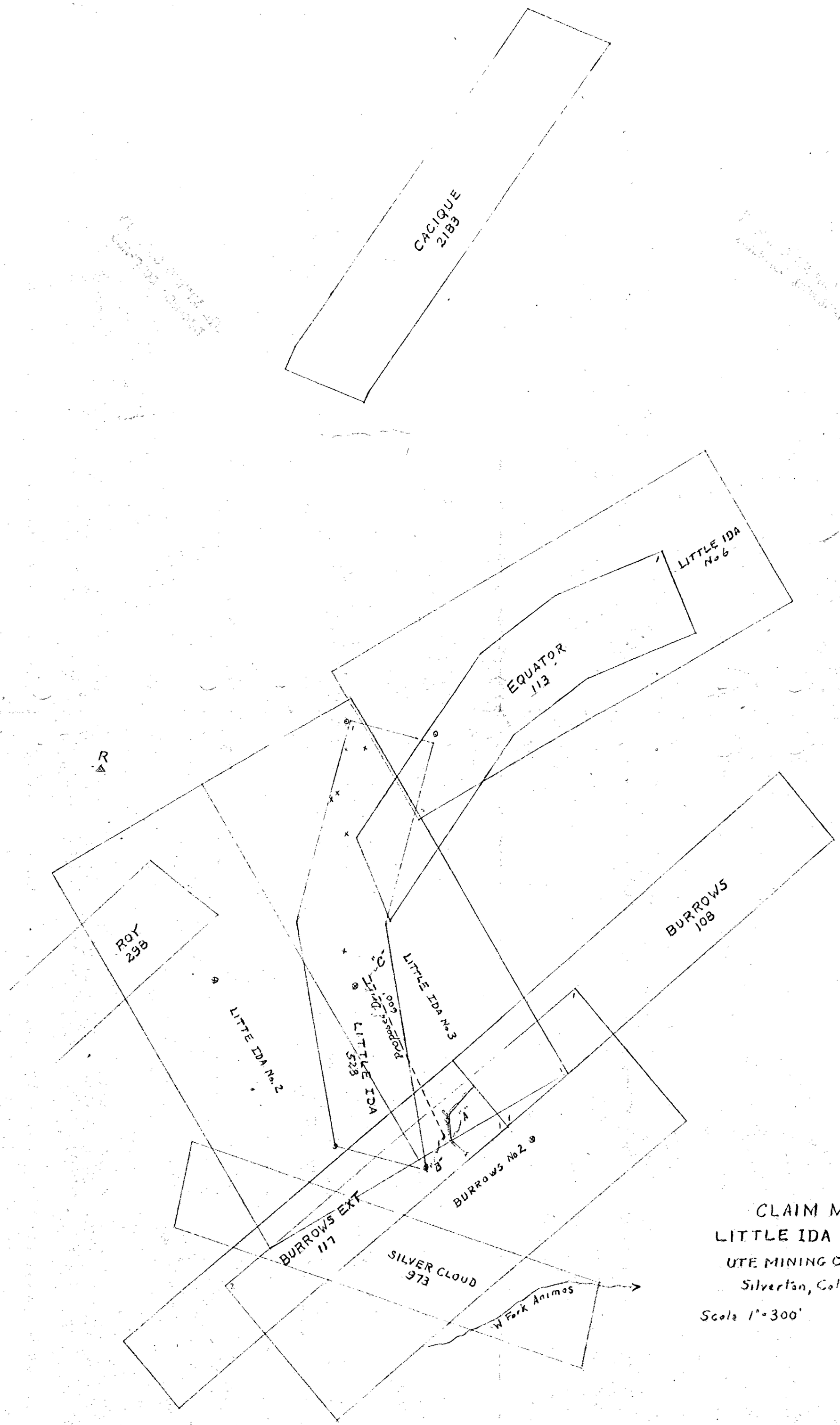
(i) Fuel for compressor motor in (h) —

Total $ 24,000.

24. Project should be completed in 6 working months excluding January, February, March, April and May on account winter snow conditions.

100 feet of drift should be finished per month.

$4000. per month expected to be spent.




CLAIM MAP
LITTLE IDA MINE
UTE MINING COMPANY
Silverton, Colorado
Scale 1" = 300'  4/1/50

# LITTLE IDA MINE

## UTE MINING COMPANY

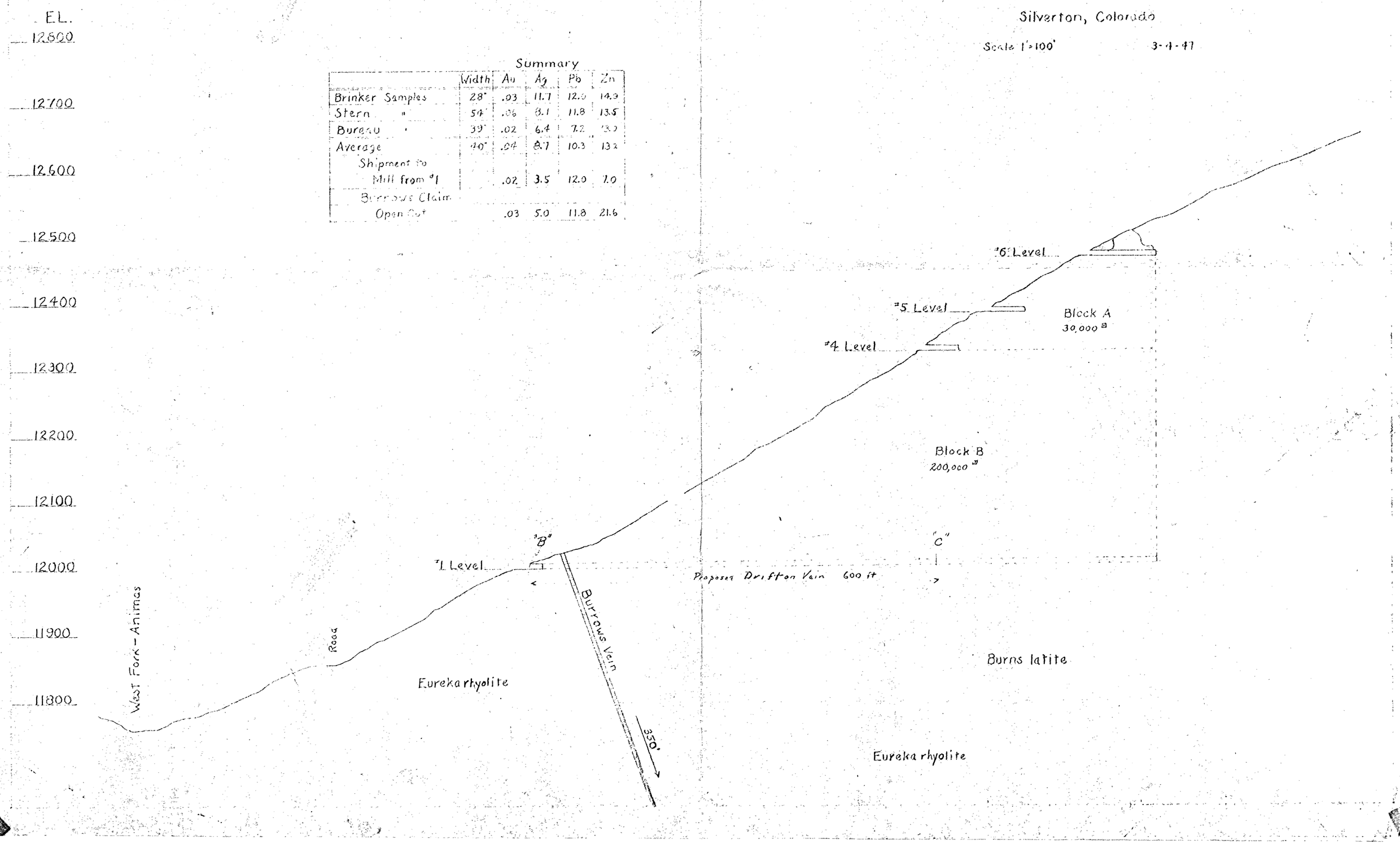
Silverton, Colorado

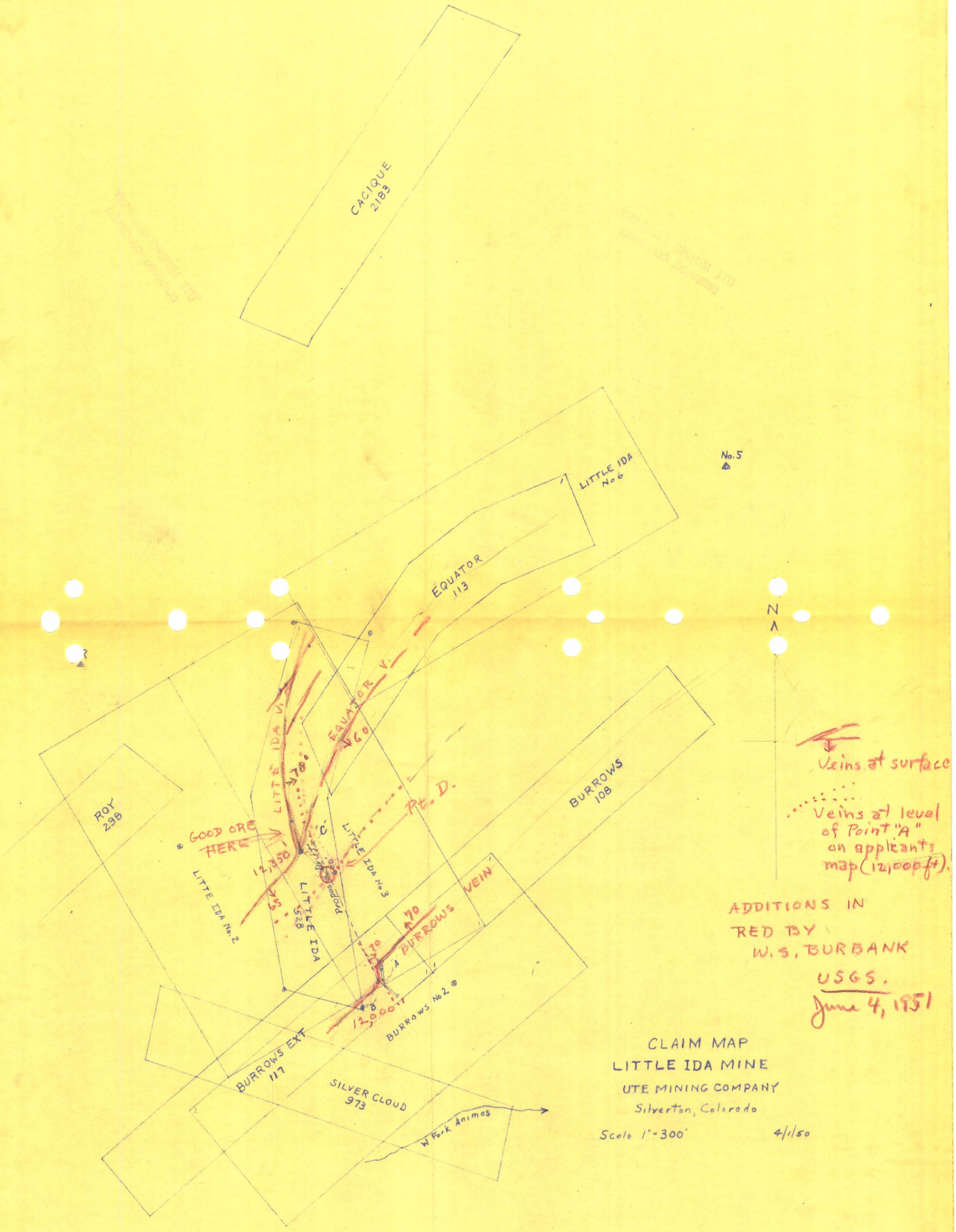
Scale 1"=100' 3-4-47

| Location | Brinker's Samples Width | Au | Ag | Pb | Zn | Stern's Samples Width | Au | Ag | Pb | Zn | Bureau Mines Samples Width | Au | Ag | Pb | Zn |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| #1 Level | 28" | .02 | 5.0 | 9.3 | 18.4 | 66" | .02 | 4.5 | 9.3 | 14.1 | 25" | tr. | 4.6 | 5.6 | 18.8 |
| #4 Level -25' | 30" | .03 | 6.4 | 16.5 | 16.2 | 30" | .14 | 8.0 | 15.0 | 16.0 | 34" | .c | 10.5 | 8.5 | 14.0 |
| " -50' | 25" | .04 | 31.8 | 2.6 | 6.3 | 30" | .08 | 14.0 | 12.6 | 8.3 | 25" | .03 | 11.8 | 7.5 | 16.7 |
| #5 Level | Grab | .03 | 10.6 | 18.6 | 15.4 | 48" | .04 | 8.0 | 12.0 | 13.5 | 25" | .03 | 2.4 | 6.8 | 4.4 |
| #6 Level | " | .02 | 5.0 | 13.0 | 18.3 | 96" | .02 | 6.0 | 10.2 | 15.2 | 84" | .02 | 2.6 | 7.5 | 11.1 |
| Average | 28" | .03 | 11.7 | 12.0 | 14.9 | 54" | .06 | 8.1 | 11.8 | 13.5 | 39" | .02 | 6.4 | 7.2 | 13.0 |

Summary

| | Width | Au | Ag | Pb | Zn |
|---|---|---|---|---|---|
| Brinker Samples | 28" | .03 | 11.7 | 12.0 | 14.9 |
| Stern " | 54" | .06 | 8.1 | 11.8 | 13.5 |
| Bureau " | 39" | .02 | 6.4 | 7.2 | 13.0 |
| Average | 40" | .04 | 8.7 | 10.3 | 13.2 |
| Shipment to Mill from #1 | | .02 | 3.5 | 12.0 | 7.0 |
| Burrows Claim Open Cut | | .03 | 5.0 | 11.8 | 21.6 |




CACIQUE
2183
LITTLE IDA
No 6
No. 5
EQUATOR
113
N
EQUATOR V.
LITTLE IDA V.
60
70
Pt. D.
BURROWS
108
ROY
298
GOOD ORE
HERE
12,350
LITTLE IDA No. 2
LITTLE IDA
528
LITTLE IDA No 3
proposed
65
70
BURROWS VEIN
70
A
B
12,000 ft
BURROWS No 2
BURROWS EXT
117
SILVER CLOUD
973
W Fork Animas
Veins at surface
Veins at level of Point "A" on applicants map (12,000 ft).
ADDITIONS IN
RED BY
W. S. BURBANK
USGS.
June 4, 1951
CLAIM MAP
LITTLE IDA MINE
UTE MINING COMPANY
Silverton, Colorado
Scale 1" = 300'
4/1/50

# LITTLE IDA MINE

## UTE MINING COMPANY

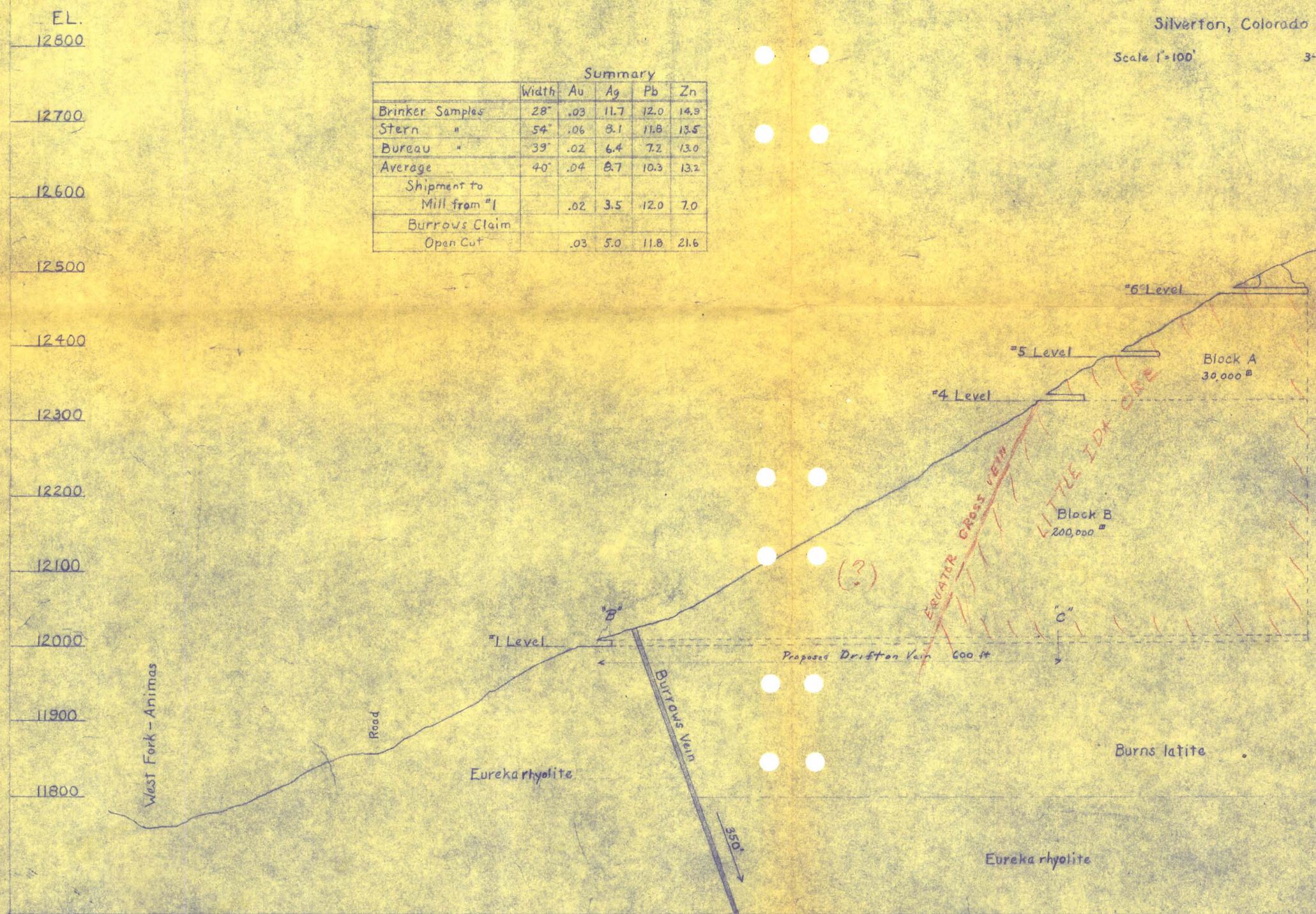
Silverton, Colorado

Scale 1" = 100'  3-4-47

| Location | Brinker's Samples Width | Au | Ag | Pb | Zn | Stern's Samples Width | Au | Ag | Pb | Zn | Bureau of Mines Samples Width | Au | Ag | Pb | Zn |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| #1 Level | 28" | .02 | 5.0 | 9.3 | 18.4 | 66" | .02 | 4.5 | 9.3 | 14.1 | 25" | tr. | 4.6 | 5.6 | 18.8 |
| #4 Level -25' | 30" | .03 | 6.4 | 16.5 | 16.2 | 30" | .14 | 8.0 | 15.0 | 16.0 | 34" | .02 | 10.5 | 8.5 | 14.0 |
| " -50' | 25" | .04 | 31.8 | 2.6 | 6.3 | 30" | .08 | 14.0 | 12.6 | 8.8 | [illegible] | .03 | 11.8 | 7.5 | 16.7 |
| #5 Level | Grab | .03 | 10.6 | 18.6 | 15.4 | 48" | .04 | 8.0 | 12.0 | 13.5 | 25" | .03 | 2.4 | 6.8 | 4.4 |
| #6 Level | " | .02 | 5.0 | 13.0 | 18.3 | 96" | .02 | 6.0 | 10.2 | 15.2 | 84" | .02 | 2.6 | 7.5 | 11.1 |
| Average | 28" | .03 | 11.7 | 12.0 | 14.9 | 54" | .06 | 8.1 | 11.8 | 13.5 | 39" | .02 | 6.4 | 7.2 | 13.0 |

Summary

| | Width | Au | Ag | Pb | Zn |
|---|---|---|---|---|---|
| Brinker Samples | 28" | .03 | 11.7 | 12.0 | 14.9 |
| Stern " | 54" | .06 | 8.1 | 11.8 | 13.5 |
| Bureau " | 39" | .02 | 6.4 | 7.2 | 13.0 |
| Average | 40" | .04 | 8.7 | 10.3 | 13.2 |
| Shipment to Mill from #1 | | .02 | 3.5 | 12.0 | 7.0 |
| Burrows Claim Open Cut | | .03 | 5.0 | 11.8 | 21.6 |




ADDITIONS IN RED BY W.S. BURBANK U.S.G.S. June 4, 1951.

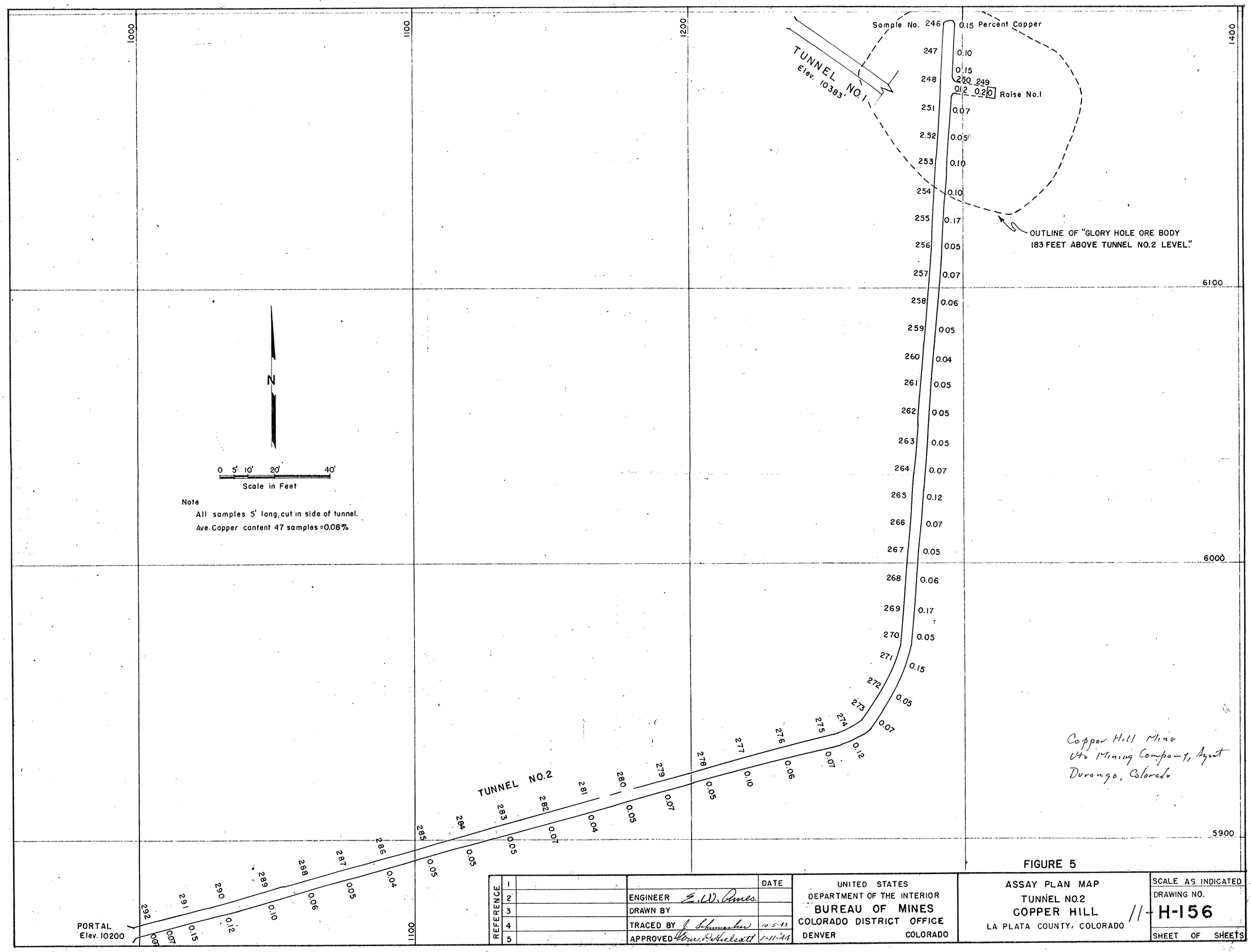
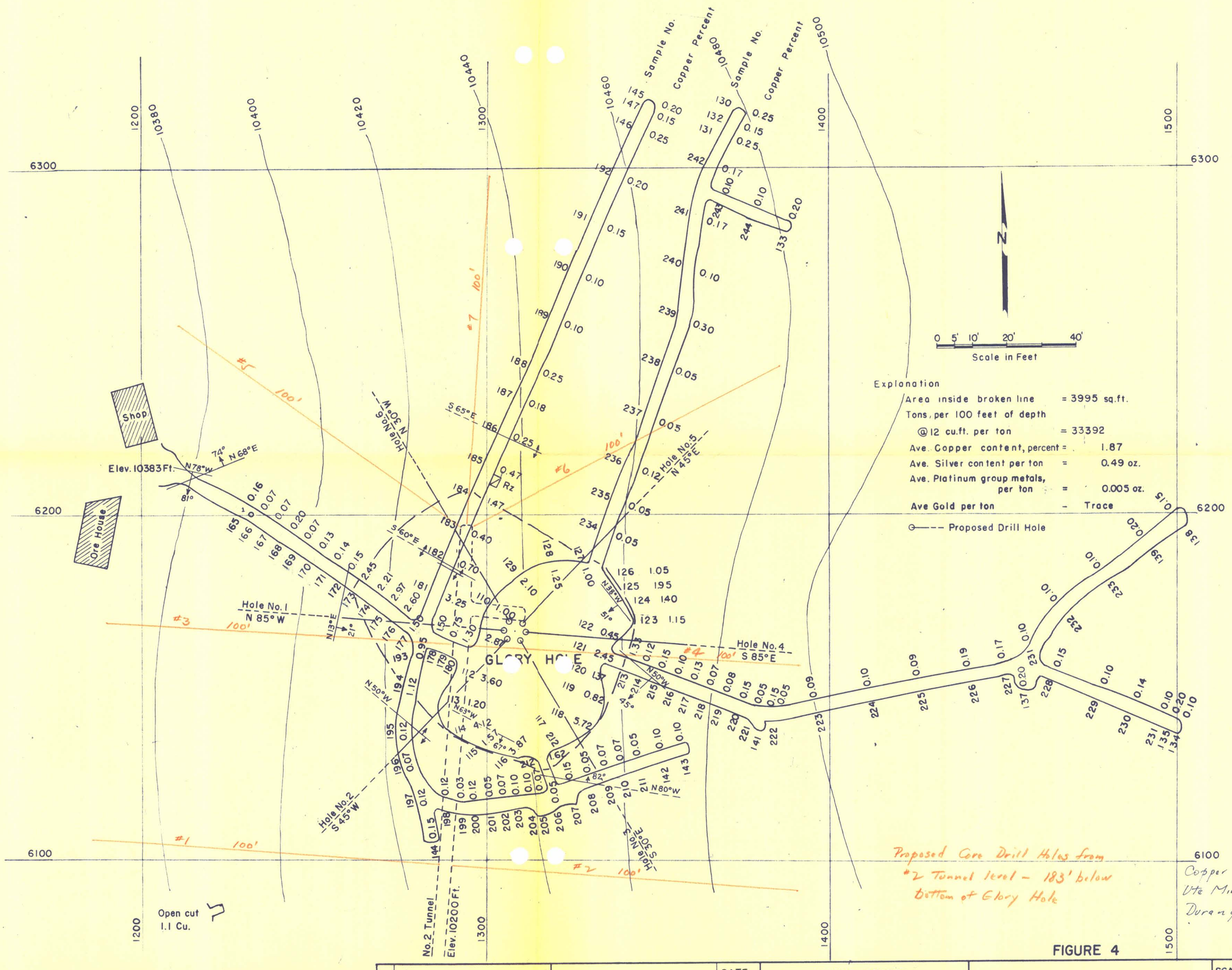



FIGURE 5

1400-87-C




Copper Hill Mine
Ute Mining Company, Agent
Durango, Colorado.

FIGURE 4

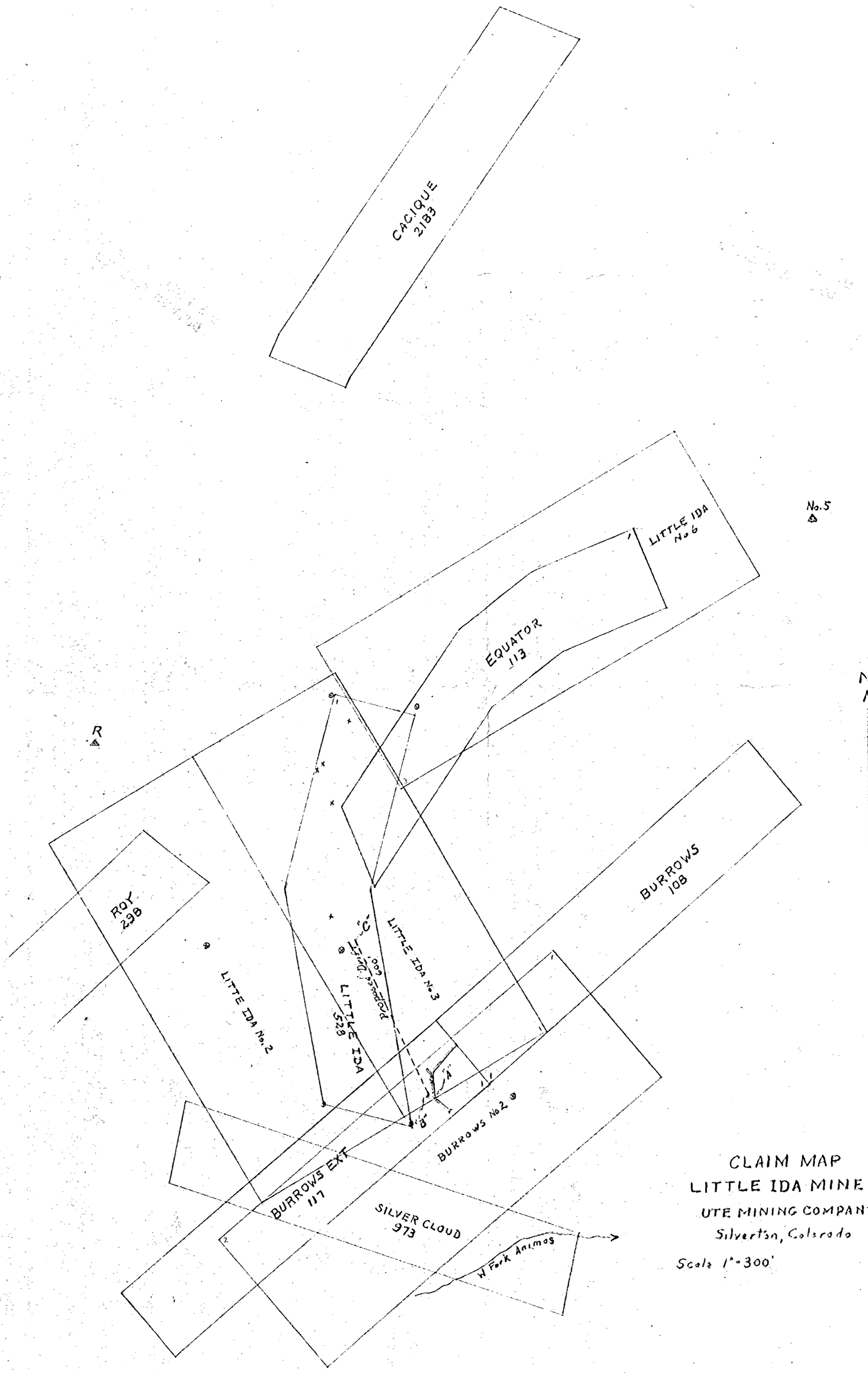
| REFERENCE | | | DATE |
|---|---|---|---|
| | 1 | | |
| | 2 | ENGINEER E. W. Ames. | |
| | 3 | DRAWN BY | |
| | 4 | TRACED BY J. Schumacher | 10-9-13 |
| | 5 | APPROVED Chas. P. Shedlatt | 1/11/44 |

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
COLORADO DISTRICT OFFICE.
DENVER COLORADO

ASSAY PLAN MAP
GLORY HOLE AND TUNNEL NO. 1 LEVEL
COPPER HILL
LA PLATA COUNTY COLORADO

SCALE AS INDICATED
DRAWING NO.
H-154
SHEET OF SHEETS

1100-86-C




CLAIM MAP
LITTLE IDA MINE
UTE MINING COMPANY
Silverton, Colorado

Scale 1"=300'  4/1/50

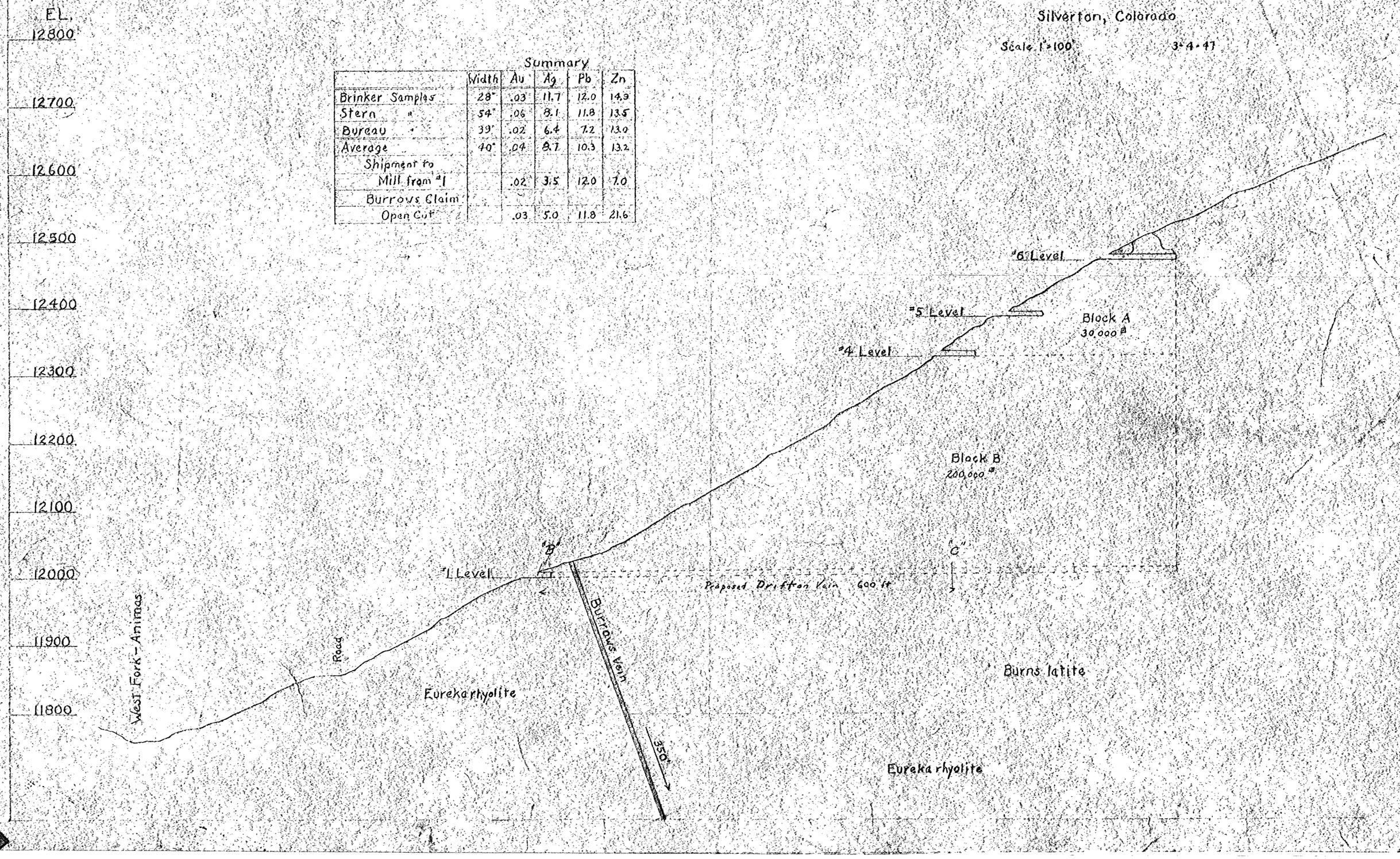
# LITTLE IDA MINE

## UTE MINING COMPANY

Silverton, Colorado

Scale 1" = 100'  3-4-47

| Location | Brinker's Samples Width | Au | Ag | Pb | Zn | Stern's Samples Width | Au | Ag | Pb | Zn | Bureau of Mines Samples Width | Au | Ag | Pb | Zn |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| #1 Level | 28" | .02 | 5.0 | 9.9 | 18.4 | 66" | .02 | 4.5 | 9.3 | 14.1 | 25" | tr. | 4.6 | 5.6 | 18.8 |
| #4 Level +25' | 30" | .03 | 6.4 | 16.5 | 16.2 | 30" | .14 | 8.0 | 15.0 | 16.0 | 34" | .02 | 10.5 | 8.5 | 14.0 |
| " +50' | 25" | .04 | 31.8 | 2.6 | 6.3 | 30" | .08 | 14.0 | 12.6 | 8.8 | 25" | .03 | 11.8 | 7.5 | 16.7 |
| #5 Level | Grab | .03 | 10.6 | 18.6 | 15.4 | 48" | .04 | 8.0 | 12.0 | 13.5 | 25" | .03 | 2.4 | 6.8 | 4.4 |
| #6 Level | " | .02 | 5.0 | 13.0 | 18.3 | 96" | .02 | 6.0 | 10.2 | 15.2 | 84" | .02 | 2.6 | 7.5 | 11.1 |
| Average | 28" | .03 | 11.7 | 12.0 | 14.9 | 54" | .06 | 8.1 | 11.8 | 13.5 | 39" | .02 | 6.4 | 7.2 | 13.0 |

Summary

| | Width | Au | Ag | Pb | Zn |
|---|---|---|---|---|---|
| Brinker Samples | 28" | .03 | 11.7 | 12.0 | 14.9 |
| Stern " | 54" | .06 | 8.1 | 11.8 | 13.5 |
| Bureau " | 39" | .02 | 6.4 | 7.2 | 13.0 |
| Average | 40" | .04 | 8.7 | 10.3 | 13.2 |
| Shipment to Mill from #1 | | .02 | 3.5 | 12.0 | 7.0 |
| Burrows Claim Open Cut | | .03 | 5.0 | 11.8 | 21.6 |