FEB 19 1952

Mr. A. E. Heller
A. E. Heller and Company
2035 Lombardy Road
San Marino, California

Re: Docket No. DMA 1518X - Tungsten
Early Acres Mine
Mariposa County, California

Dear Mr. Heller:

This will acknowledge receipt of your letter of February 6, 1952, in which you inform us that you do not desire to continue with your application for exploration assistance on the above-referenced property.

We shall remove the application from our active files and consider the matter closed.

When you are ready to file an application for exploration aid on the Adamson-Chandler Ridge tungsten property, please return four completed copies of each of the forms DMA-100 and DMA-103 sent herewith for your convenience.

Sincerely yours,

E. O. Mittenden

Acting Administrator
Defense Minerals Exploration
Administration

Enclosures
DCSelfridge:ls
2/15/52

cc: Admn. Reading file
Docket
Field Team, Region 3
R. W. Geehan, USBM
D. N. Lemmon, USGS
G. C. Selfridge

Mr. A. H. Waller
A. H. Waller and Company
2035 Lombardy Road
San Marino, California

Re: Docket No. DMA 151BX - Tungsten
Early Acres Mine
Mariposa County, California

Dear Mr. Waller:

In checking on the present status of the subject docket, we find that, aside from the acknowledgment of the receipt thereof, the file contains no further comment or correspondence.

We note in your application that your Mr. Gardner and Mr. Draper were examining the property and that their report would be subsequently submitted. It is also noted that an estimate of costs and a time schedule of the proposed work were also to be submitted.

We wish to inquire at this time as to your desire to continue with this application. Please favor us with a statement in this regard.

Sincerely yours,

G. C. Selfridge, Acting Chief
Iron and Ferro-Alloy Division

GLBrewer:lm
1/28/52

cc: Admn. Reading File
Docket
N. W. Goehman, USBM
D. M. Lemmon, USGS
Field Team Reg. III
G. C. Selfridge
G. L. Brewer

Done 6/15

400

FILE COPY
SURNAME:

Selfridge
Matts

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

FEB 1 9 1952

Mr. A. H. Heller
A. H. Heller and Company
2035 Lombardy Road
San Marino, California

Re: Docket No. DMA 1518X - Tungsten
Early Acres Mine
Mariposa County, California

Dear Mr. Heller:

This will acknowledge receipt of your letter of February 6, 1952, in which you inform us that you do not desire to continue with your application for exploration assistance on the above-referenced property.

We shall remove the application from our active files and consider the matter closed.

When you are ready to file an application for exploration aid on the Adamson-Wheeler Ridge tungsten property, please return four completed copies of each of the forms MF-100 and MF-103 sent herewith for your convenience.

Sincerely yours,

C. O. Mittendorf (for) E.L.

Acting Administrator
Defense Minerals Exploration
Administration

Enclosures

GCSelfridge:ls
2/15/52

cc: Admn. Reading File
Docket
Field Team, Region 3
R. W. Geehan, USBM
D. M. Lemmon, USGS
G. C. Selfridge

400

FILE COPY
SURNAME:

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

Forward Selfridge.

JAN 29 1952

Mr. A. H. Heller
A. H. Heller and Company
2035 Lombardy Road
San Marino, California

Re: Docket No. DMA 1518X - Tungsten
Early Acres Mine
Mariposa County, California

Dear Mr. Heller:

In checking on the present status of the subject docket, we find that, aside from the acknowledgment of the receipt thereof, the file contains no further comment or correspondence.

We note in your application that your Mr. Gardner and Mr. Draper were examining the property and that their report would be subsequently submitted. It is also noted that an estimate of costs and a time schedule of the proposed work were also to be submitted.

We wish to inquire at this time as to your desire to continue with this application. Please favor us with a statement in this regard.

Sincerely yours,

George C. Selfridge 1-29-52

G. C. Selfridge, Acting Chief
Iron and Ferro-Alloy Division

QLBrewer'lm
1/28/52

cc: Admn. Reading File
Docket
R. W. Geehan, USBM
D. M. Lemmon, USGS
Field Team Reg. III
G. C. Selfridge
Q. L. Brewer

?

nothing at all since filing
on May 31. 1951

?

Write apologetic
follow-up letter

FILE COPY
SURNAME:

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

June 19, 1951

Mr. A. H. Heller
A. H. Heller and Company
2035 Lombardy Road
San Marino, California

Subject: DMA-1518X
Re: Exploration Loan
Early Acres Mine

My dear Mr. Heller:

Receipt is acknowledged of your application and attachments of May 28, 1951 for an exploration loan under the Defense Production Act of 1950.

The application was assigned Docket Number DMA-1518X and was referred to Mr. George B. Holderer, Chief, Tungsten Branch on June 7, 1951.

In any future correspondence relating to your application, kindly refer to DMA-1518X.

Sincerely yours,

LANDON F. STROBEL

Landon F. Strobel
Executive Secretary

LFSTROBEL:js
cc: Strobel-2
>Files
Holderer
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-1518X

Date received 6/4/51

Participation

A. H. Heller and Company
2035 Lombardy Road
San Marino, California

Name and address of applicant

Date May 28, 1951

FILL IN THIS BLOCK

Date of application May 28 1951

Estimated cost Total - $100,000.00
Initial - $25,000 00
Additional-$75,000.00 if showings justify.

Mineral or metal Tungsten

Percentage of Government participation 75%

Location of mine Early Acres Mine,
Mariposa County, California

Date of filing MF-100

DMA Docket Number, if available

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.

A. H. Heller and Company
(Name of company)

By A. H. Heller
(Signature of authorized official)

May 28 1958
(Date)

Owner
(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

A. H. HELLER & CO.
GEOLOGISTS & ENGINEERS
412 WEST SIXTH STREET
LOS ANGELES 14, CALIFORNIA
TRINITY 1793

Early Acres
Tungsten Mine

ADDITIONAL DATA SUBMITTED AS PART OF APPLICATION

1. Applicant is an individual who has staff of capable, experienced, technical experts.

2. Not a partnership

3. Not a corporation.

4. a. The owner, A. H Heller operating as A H. Heller & Co. is an experienced geologist and engineer who discovered and brought into operation the Tungstar Corporation, one of the rich tungsten ore bodies of the Bishop California area. He was the general manager of the Adamson property. He has examined over 1500 tungsten properties in the West and is an authority on tungsten ores and the metallurgy of tungsten. He is one of the directors of Tungstar Corporation.

b. Additional persons on A. H. Heller & Company staff who are experienced are: Marshall Draper, E.M., Philip Gardner, Assayer Metallurgist, and Engineer, Clifford H. Marker, formerly President of Western Tungsten Corp.

5. Lessee of property.

6. Lessee with option to purchase.

7. Final drafts being in process of revision - copies of final documents will be subsequently forwarded as a part of this application.

8. Net worth of A H. Heller is in excess of $500,000 with large holdings of real estate, oil royalties, stocks, mortgages, and cash.

References: California Bank
6th and Grand Avenue Branch
Los Angeles, California

Dunn and Bradstreet

Income from oil interests is in excess of $100,000 annually.

(If a detailed financial statement is required, the accountants for this applicant will prepare a current financial statement.)

9. Applicant is prepared to invest in excess of $25,000.00. It is sufficient to pay his part of the cost of the project.

10. The real property involved in the exploration project consists of 100 acres more or less, which is being resurveyed and the exact legal description of which will be forwarded as a part of this application.

A. H. HELLER & CO.
GEOLOGISTS & ENGINEERS
412 WEST SIXTH STREET
LOS ANGELES 14, CALIFORNIA
TRINITY 1793

Early Acres
Tungsten Mine

11. Only known name is Early Acres Mine and Tungsten prospect.

12. The property is located in Mariposa County about 16 miles northeast of the town of Mariposa on a good logging road which is excellent for trucking and only three miles from the paved highway.

13. Plenty of water available for mining and milling from streams.

14. Existing useable facilities consist of some mine track, sheds, a mill building, and a few additional odds and ends such as an assay office building valuable for exploration work

15. The ore should be milled and concentrated on the property and the concentrates shipped.

16. The Early Acres property exists on a metamorphic and granite contact which yielded some high grade gold properties in the past, but the presence of tungsten was only recently noted on the old dumps. The ore is very similiar to the quartz tungsten ore of the Grass Valley District, but there it is confined to fissure veins in granite, while at Early Acres we have a nearly metamophic contact. The lime contact of which would aid in the precipitation of tungsten from the original granitic magma. The dumps at Early Acres show far larger quantities of scheelite than the applicant had ever noted at Grass Valley.

Cleaning out the old workings to determine the source and extent of this scheelite is fully justified, and then one can determine the extent of any further necessary prospecting and development work.

At the time of this application A. H. Heller's crew is studying and examining in detail the nature and potentiality of the deposits. The reports of Messrs. Gardiner and Draper will be forthcoming in detail and will be submitted subsequently as a part of this application.

17. Ditto from 16.

18. Ditto from 16.

19. All additional conditions and circumstances regarding this property will be submitted in detail subsequently by the A. H. Heller, Marshall Draper, and Philip Gardiner reports.

20. The exploration will be conducted for tungsten values and also incidentally such other metals as may be of strategic or commercial value.

21. The proposed exploration work will consist of cleaning out drifts, shafts, cross-cuts, and winzes; following the veins and contacts in order to determine the extent and values of WO_3 on the property. Also an examination of dumps and tailings from old operations to determine if the properties as a whole can contribute to the supply of tungsten and can be operated beneficially.

The time required should not exceed one year.

A. H. HELLER & CO.
GEOLOGISTS & ENGINEERS
412 WEST SIXTH STREET
LOS ANGELES 14, CALIFORNIA
TRINITY 1793

Early Acres
Tungsten Mine

22. The bulletins of the State of California and Federal Government indicate the geological formations of this area; the reports of examination of over 1500 tungsten deposits made by A. H. Heller; the knowledge and experience of Marshall Draper and Philip Gardiner; all are available and are being condensed to be submitted subsequently as a part of this application, together with reports of samplings, assays, recovery methods and metallurgical recommendations.

23. An estimated itemized statement of the costs of the project is as follows:

(a) to (g)

Detailed and specific budgets are in process of preparation and will be submitted subsequently as a part of this application.

Preliminary estimates indicate that a sum, not to exceed $25,000.00, wisely and economically expended should indicate the tungsten potential; and then, if this exploration expenditure provides sufficient encouragement, an additional sum, not to exceed $75,000.00, wisely and economically expended should develop proven ore bodies of sufficient extent and value to warrant a commercially profitable operation.

24. A time schedule of this project stated in terms of months after the project is approved, which will show progress expected to be accomplished and the money expected to be spent is being carefully prepared and will be completed as soon as the examinations and studies of the A. H. Heller and Company staff are finished. A part of the staff is now at work on the property.

This schedule, when and as soon as completed will be filed subsequently as a part of this application; but the entire program outlined in this application should be completed within one year after the application has been approved.

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-1518X

Date received 6/4/51

Participation

A. H. Heller and Company
2035 Lombardy Road
San Marino, California

Name and address of applicant

Date May 28, 1951

FILL IN THIS BLOCK

Date of application May 28, 1951

Estimated cost Total - $100,000.00
Initial - $25,000.00
Additional-$75,000.00 if showings justify.

Mineral or metal Tungsten

Percentage of Government participation 75%

Location of mine Early Acres Mine,
Mariposa County, California

Date of filing MF-100

DMA Docket Number, if available

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.

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*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.

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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.

A. H. Heller and Company
(Name of company)

By A. H. Heller
(Signature of authorized official)

May 28 1951
(Date)

Owner
(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

A. H. HELLER & CO.
GEOLOGISTS & ENGINEERS
412 WEST SIXTH STREET
LOS ANGELES 14, CALIFORNIA
TRINITY 1793

Early Acres
Tungsten Mine

ADDITIONAL DATA SUBMITTED AS PART OF APPLICATION

1. Applicant is an individual who has staff of capable, experienced, technical experts.

2. Not a partnership.

3. Not a corporation.

4. a. The owner, A. H Heller operating as A H. Heller & Co. is an experienced geologist and engineer who discovered and brought into operation the Tungstar Corporation, one of the rich tungsten ore bodies of the Bishop California area. He was the general manager of the Adamson property. He has examined over 1500 tungesten properties in the West and is an authority on tungsten ores and the metallurgy of tungsten. He is one of the directors of Tungstar Corporation.

b. Additional persons on A. H. Heller & Company staff who are experienced are: Marshall Draper, E.M., Philip Gardner, Assayer Metallurgist, and Engineer, Clifford H. Marker, formerly President of Western Tungsten Corp.

5. Lessee of property.

6. Lessee with option to purchase.

7. Final drafts being in process of revision - copies of final documents will be subsequently forwarded as a part of this application.

8. Net worth of A H. Heller is in excess of $500,000 with large holdings of real estate, oil royalties, stocks, mortgages, and cash.

References: California Bank
6th and Grand Avenue Branch
Los Angeles, California

Dunn and Bradstreet

Income from oil interests is in excess of $100,000 annually.

(If a detailed financial statement is required, the accountants for this applicant will prepare a current financial statement.)

9. Applicant is prepared to invest in excess of $25,000.00. It is sufficient to pay his part of the cost of the project.

10. The real property involved in the exploration project consists of 100 acres more or less, which is being resurveyed and the exact legal description of which will be forwarded as a part of this application.

A. H. HELLER & CO.
GEOLOGISTS & ENGINEERS
412 WEST SIXTH STREET
LOS ANGELES 14, CALIFORNIA
TRINITY 1793

Early Acres
Tungsten Mine

11. Only known name is Early Acres Mine and Tungsten prospect.

12. The property is located in Mariposa County about 16 miles northeast of the town of Mariposa on a good logging road which is excellent for trucking and only three miles from the paved highway.

13. Plenty of water available for mining and milling from streams.

14. Existing useable facilities consist of some mine track, sheds, a mill building, and a few additional odds and ends such as an assay office building valuable for exploration work

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16. The Early Acres property exists on a metamorphic and granite contact which yielded some high grade gold properties in the past, but the presence of tungsten was only recently noted on the old dumps. The ore is very similiar to the quartz tungsten ore of the Grass Valley District, but there it is confined to fissure veins in granite, while at Early Acres we have a nearly metamophic contact. The lime contact of which would aid in the precipitation of tungsten from the original granitic magma. The dumps at Early Acres show far larger quantities of scheelite than the applicant had ever noted at Grass Valley.

Cleaning out the old workings to determine the source and extent of this scheelite is fully justified, and then one can determine the extent of any further necessary prospecting and development work.

At the time of this application A. H. Heller's crew is studying and examining in detail the nature and potentiality of the deposits. The reports of Messrs. Gardiner and Draper will be forthcoming in detail and will be submitted subsequently as a part of this application.

17. Ditto from 16.

18. Ditto from 16.

19. All additional conditions and circumstances regarding this property will be submitted in detail subsequently by the A. H. Heller, Marshall Draper, and Philip Gardiner reports.

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21. The proposed exploration work will consist of cleaning out drifts, shafts, cross-cuts, and winzes; following the veins and contacts in order to determine the extent and values of WO_3 on the property. Also an examination of dumps and tailings from old operations to determine if the properties as a whole can contribute to the supply of tungsten and can be operated beneficially.

The time required should not exceed one year.

A. H. HELLER & CO.
GEOLOGISTS & ENGINEERS
412 WEST SIXTH STREET
LOS ANGELES 14, CALIFORNIA
TRINITY 1793

22. The bulletins of the State of California and Federal Government indicate the geological formations of this area; the reports of examination of over 1500 tungsten deposits made by A. H. Heller; the knowledge and experience of Marshall Draper and Philip Gardiner; all are available and are being condensed to be submitted subsequently as a part of this application, together with reports of samplings, assays, recovery methods and metallurgical recommendations.

23. An estimated itemized statement of the costs of the project is as follows:

(a) to (g)

Detailed and specific budgets are in process of preparation and will be submitted subsequently as a part of this application.

Preliminary estimates indicate that a sum, not to exceed $25,000.00, wisely and economically expended should indicate the tungsten potential; and then, if this exploration expenditure provides sufficent encouragement, an additional sum, not to exceed $75,000.00, wisely and economically expended should develop proven ore bodies of sufficient extent and value to warrent a commercially profitable operation.

24. A time schedule of this project stated in terms of months after the project is approved, which will show progress expected to be accomplished and the money expected to be spent is being carefully prepared and will be completed as soon as the examinations and studies of the A. H. Heller and Company staff are finished. A part of the staff is now at work on the property.

This schedule, when and as soon as completed will be filed subsequently as a part of this application; but the entire program outlined in this application should be completed within one year after the application has been approved.

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-1518X

Date received 6/4/51

Participation

A. H. Heller and Company
2035 Lombardy Road
San Marino, California

Name and address of applicant

Date May 28, 1951

FILL IN THIS BLOCK

Date of application May 28 1951

Estimated cost Total - $100,000.00
Initial - $25 000 00
Additional-$75 000.00 if showings justify.

Mineral or metal Tungsten

Percentage of Government participation 75%

Location of mine Early Acres Mine,
Mariposa County, California

Date of filing MF-100

DMA Docket Number, if available

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.

A. H. Beller and Company
(Name of company)

By A. H. Beller
(Signature of authorized official)

May 28 1931
(Date)

Owner
(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

A. H. HELLER & CO.
GEOLOGISTS & ENGINEERS
412 WEST SIXTH STREET
LOS ANGELES 14, CALIFORNIA
TRINITY 1793

Early Acres
Tungsten Mine

ADDITIONAL DATA SUBMITTED AS PART OF APPLICATION

1. Applicant is an individual who has staff of capable, experienced, technical experts.

2. Not a partnership.

3. Not a corporation.

4. a. The owner, A. H Heller operating as A H. Heller & Co. is an experienced geologist and engineer who discovered and brought into operation the Tungstar Corporation, one of the rich tungsten ore bodies of the Bishop California area. He was the general manager of the Adamson property. He has examined over 1500 tungsten properties in the West and is an authority on tungsten ores and the metallurgy of tungsten. He is one of the directors of Tungstar Corporation.

b. Additional persons on A. H. Heller & Company staff who are experienced are: Marshall Draper, E.M., Philip Gardner, Assayer Metallurgist, and Engineer, Clifford H. Marker, formerly President of Western Tungsten Corp.

5. Lessee of property.

6. Lessee with option to purchase.

7. Final drafts being in process of revision - copies of final documents will be subsequently forwarded as a part of this application.

8. Net worth of A H. Heller is in excess of $500,000 with large holdings of real estate, oil royalties, stocks, mortgages, and cash.

References: California Bank
6th and Grand Avenue Branch
Los Angeles, California

Dunn and Bradstreet

Income from oil interests is in excess of $100,000 annually.

(If a detailed financial statement is required, the accountants for this applicant will prepare a current financial statement.)

9. Applicant is prepared to invest in excess of $25,000.00. It is sufficient to pay his part of the cost of the project

10. The real property involved in the exploration project consists of 100 acres more or less, which is being resurveyed and the exact legal description of which will be forwarded as a part of this application.

A. H. HELLER & CO.
GEOLOGISTS & ENGINEERS
412 WEST SIXTH STREET
LOS ANGELES 14, CALIFORNIA
TRINITY 1793

Early Acres
Tungsten Mine

11. Only known name is Early Acres Mine and Tungsten prospect.

12. The property is located in Mariposa County about 16 miles northeast of the town of Mariposa on a good logging road which is excellent for trucking and only three miles from the paved highway.

13. Plenty of water available for mining and milling from streams.

14. Existing useable facilities consist of some mine track, sheds, a mill building, and a few additional odds and ends such as an assay office building valuable for exploration work

15. The ore should be milled and concentrated on the property and the concentrates shipped.

16. The Early Acres property exists on a metamorphic and granite contact which yielded some high grade gold properties in the past, but the presence of tungsten was only recently noted on the old dumps. The ore is very similiar to the quartz tungsten ore of the Grass Valley District, but there it is confined to fissure veins in granite, while at Early Acres we have a nearly metamophic contact. The lime contact of which would aid in the precipitation of tungsten from the original granitic magma. The dumps at Early Acres show far larger quantities of scheelite than the applicant had ever noted at Grass Valley.

Cleaning out the old workings to determine the source and extent of this scheelite is fully justified, and then one can determine the extent of any further necessary prospecting and development work.

At the time of this application A. H. Heller's crew is studying and examining in detail the nature and potentiality of the deposits. The reports of Messrs. Gardiner and Draper will be forthcoming in detail and will be submitted subsequently as a part of this application.

17. Ditto from 16.

18. Ditto from 16.

19. All additional conditions and circumstances regarding this property will be submitted in detail subsequently by the A. H. Heller, Marshall Draper, and Philip Gardiner reports.

20. The exploration will be conducted for tungsten values and also incidentally such other metals as may be of strategic or commercial value.

21. The proposed exploration work will consist of cleaning out drifts, shafts, cross-cuts, and winzes; following the veins and contacts in order to determine the extent and values of WO_3 on the property. Also an examination of dumps and tailings from old operations to determine if the properties as a whole can contribute to the supply of tungsten and can be operated beneficially.

The time required should not exceed one year.

A. H. HELLER & CO.
GEOLOGISTS & ENGINEERS
412 WEST SIXTH STREET
LOS ANGELES 14, CALIFORNIA
TRINITY 1793

22. The bulletins of the State of California and Federal Government indicate the geological formations of this area; the reports of examination of over 1500 tungsten deposits made by A. H. Heller; the knowledge and experience of Marshall Draper and Philip Gardiner; all are available and are being condensed to be submitted subsequently as a part of this application, together with reports of samplings, assays, recovery methods and metallurgical recommendations.

23. An estimated itemized statement of the costs of the project is as follows:

(a) to (g)

Detailed and specific budgets are in process of preparation and will be submitted subsequently as a part of this application.

Preliminary estimates indicate that a sum, not to exceed $25,000.00, wisely and economically expended should indicate the tungsten potential; and then, if this exploration expenditure provides sufficient encouragement, an additional sum, not to exceed $75,000.00, wisely and economically expended should develop proven ore bodies of sufficient extent and value to warrant a commercially profitable operation.

24. A time schedule of this project stated in terms of months after the project is approved, which will show progress expected to be accomplished and the money expected to be spent is being carefully prepared and will be completed as soon as the examinations and studies of the A. H. Heller and Company staff are finished. A part of the staff is now at work on the property.

This schedule, when and as soon as completed will be filed subsequently as a part of this application; but the entire program outlined in this application should be completed within one year after the application has been approved.

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-1518X

Date received 6/4/51

Participation

A. H. Heller and Company
2035 Lombardy Road
San Marino, California

DEPARTMENT OF INTERIOR
BUREAU OF MINES
REGION III
RECEIVED
MAY 31 1951
SAN FRANCISCO, CALIFORNIA

Name and address of applicant

Date May 28, 1951

FILL IN THIS BLOCK

Date of application May 28, 1951

Estimated cost Total - $100,000.00
Initial - $25,000.00
Additional-$75,000.00 if showings justify.

Mineral or metal Tungsten

Percentage of Government participation 75%

Location of mine Early Acres Mine,
Mariposa County, California

Date of filing MF-100

DMA Docket Number, if available

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.
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*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.

A. H. Heller and Company
(Name of company)

By A H Heller
(Signature of authorized official)

May 28 1951
(Date)

Owner
(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

A. H. HELLER & CO.
GEOLOGISTS & ENGINEERS
412 WEST SIXTH STREET
LOS ANGELES 14, CALIFORNIA
TRINITY 1793

Early Acres
Tungsten Mine

ADDITIONAL DATA SUBMITTED AS PART OF APPLICATION

1. Applicant is an individual who has staff of capable, experienced, technical experts.

2. Not a partnership.

3. Not a corporation.

4. a. The owner, A. H. Heller operating as A H. Heller & Co. is an experienced geologist and engineer who discovered and brought into operation the Tungstar Corporation, one of the rich tungsten ore bodies of the Bishop California area. He was the general manager of the Adamson property. He has examined over 1500 tungesten properties in the West and is an authority on tungsten ores and the metallurgy of tungsten. He is one of the directors of Tungstar Corporation.

b. Additional persons on A. H. Heller & Company staff who are experienced are: Marshall Draper, E.M., Philip Gardner, Assayer Metallurgist, and Engineer, Clifford H. Marker, formerly President of Western Tungsten Corp.

5. Lessee of property.

6. Lessee with option to purchase.

7. Final drafts being in process of revision - copies of final documents will be subsequently forwarded as a part of this application.

8. Net worth of A. H. Heller is in excess of $500,000 with large holdings of real estate, oil royalties, stocks, mortgages, and cash.

References: California Bank
6th and Grand Avenue Branch
Los Angeles, California

Dunn and Bradstreet

Income from oil interests is in excess of $100,000 annually.

(If a detailed financial statement is required, the accountants for this applicant will prepare a current financial statement.)

9. Applicant is prepared to invest in excess of $25,000.00. It is sufficient to pay his part of the cost of the project.

10. The real property involved in the exploration project consists of 100 acres more or less, which is being resurveyed and the exact legal description of which will be forwarded as a part of this application.

A. H. HELLER & CO.
GEOLOGISTS & ENGINEERS
412 WEST SIXTH STREET
LOS ANGELES 14, CALIFORNIA
TRINITY 1793

11. Only known name is Early Acres Mine and Tungsten prospect.

12. The property is located in Mariposa County about 16 miles northeast of the town of Mariposa on a good logging road which is excellent for trucking and only three miles from the paved highway.

13. Plenty of water available for mining and milling from streams.

14. Existing useable facilities consist of some mine track, sheds, a mill building, and a few additional odds and ends such as an assay office building valuable for exploration work.

15. The ore should be milled and concentrated on the property and the concentrates shipped.

16. The Early Acres property exists on a metamorphic and granite contact which yielded some high grade gold properties in the past, but the presence of tungsten was only recently noted on the old dumps. The ore is very similiar to the quartz tungsten ore of the Grass Valley District, but there it is confined to fissure veins in granite, while at Early Acres we have a nearly metamophic contact. The lime contact of which would aid in the precipitation of tungsten from the original granitic magma. The dumps at Early Acres show far larger quantities of scheelite than the applicant had ever noted at Grass Valley.

Cleaning out the old workings to determine the source and extent of this scheelite is fully justified, and then one can determine the extent of any further necessary prospecting and development work.

At the time of this application A. H. Heller's crew is studying and examining in detail the nature and potentiality of the deposits. The reports of Messrs. Gardiner and Draper will be forthcoming in detail and will be submitted subsequently as a part of this application.

17. Ditto from 16.

18. Ditto from 16.

19. All additional conditions and circumstances regarding this property will be submitted in detail subsequently by the A. H. Heller, Marshall Draper, and Philip Gardiner reports.

20. The exploration will be conducted for tungsten values and also incidentally such other metals as may be of strategic or commercial value.

21. The proposed exploration work will consist of cleaning out drifts, shafts, cross-cuts, and winzes; following the veins and contacts in order to determine the extent and values of WO_3 on the property. Also an examination of dumps and tailings from old operations to determine if the properties as a whole can contribute to the supply of tungsten and can be operated beneficially.

The time required should not exceed one year.

A. H. BRILLEN & CO.
GEOLOGISTS & ENGINEERS
[illegible] WEST [illegible] STREET
LOS ANGELES 14, CALIFORNIA
[illegible]

[illegible] Agree
[illegible] Wilm.

11. Only known uses is for dry acres lime and magnesia products.

12. The property is located in Inyokern Quadr. about 15 miles northeast of the town of Mojave on a good logging road which is excellent for trucking and only three miles from the paved highway.

13. Plenty of water available for mining and milling from springs.

14. Existing usable facilities consist of some mine tunnels, shafts, a mill building and a few additional mills and sheds such as an assay office building valuable for exploration work.

15. The ore should be milled and concentrated on the property and the concentrates shipped.

16. The Early Acres property exists on a metamorphic and granite contact which yielded some high grade gold properties in the past. but the occurrence of tungsten was only recently noted on the old dumps. The ore is very similar to the quartz tungsten ore of the Cross Valley District, but there it is confined to fissure veins in granite, while at Early Acres we have a nearly metamorphic contact. The lime contact of which would aid in the precipitation of tungsten from the original hydrothermal vapors. The dumps at Early Acres show far larger quantities of scheelite than the applicant had ever noted at Cross Valley.

Cleaning out the old workings to determine the source and extent of this scheelite is fully justified, and then one can determine the amount of any further necessary prospecting and development work.

At the time of this application A. H. Brillen's crew is analyzing and examining in detail the nature and potentiality of the deposits. The results of Mosaic, Gardner and Brillen will be forwarded in detail and will be submitted subsequently as a part of this application.

17. Data from 11.

18. Data from 6.

19. All additional conditions and circumstances affecting this property will be submitted in detail subsequently by the A. H. Brillen, Mineral Engineer, and Valley Geologist reports.

20. The exploration will be conducted for tungsten values and also incidentally such other results as may be of strategic or commercial value.

21. The proposed exploration work will consist of sinking and drifting, shafts, cross-cuts, and winzes; following the veins and contacts in order to determine the extent and values of WO3 in the property. Also the examination of dumps and tailings from old operations to determine if the tungsten is a whole can contribute to the supply of tungsten and can be conserved beneficially.

The time requested should not exceed one year.

22. The bulletins of the State of California and Federal Government indicate the geological formations of this area; the reports of examination of over 1500 tungsten deposits made by A. H. Heller; the knowledge and experience of Marshall Draper and Philip Gardiner; all are available and are being condensed to be submitted subsequently as a part of this application, together with reports of samplings, assays, recovery methods and metallurgical recommendations.

23. An estimated itemized statement of the costs of the project is as follows:

(a) to (g)

Detailed and specific budgets are in process of preparation and will be submitted subsequently as a part of this application.

Preliminary estimates indicate that a sum, not to exceed $25,000.00, wisely and economically expended should indicate the tungsten potential; and then, if this exploration expenditure provides sufficent encouragement, an additional sum, not to exceed $75,000.00, wisely and economically expended should develop proven ore bodies of sufficient extent and value to warrent a commercially profitable operation.

24. A time schedule of this project stated in terms of months after the project is approved, which will show progress expected to be accomplished and the money expected to be spent is being carefully prepared and will be completed as soon as the examinations and studies of the A. H. Heller and Company staff are finished. A part of the staff is now at work on the property.

This schedule, when and as soon as completed will be filed subsequently as a part of this application; but the entire program outlined in this application should be completed within one year after the application has been approved.

Ang - 1518X

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
Region III

1415 Appraisers Bldg.
630 Sansome Street
San Francisco 11, Calif.

May 31, 1951

Memorandum

To: Defense Minerals Administration, Washington, D. C.

From: Executive Officer, DMA Field Team, Region III

Subject: Application for Aid for an Exploration Project

The attached application was received in this office on May 31, , 1951.

Applicant: A. H. Heller and Company
2035 Lombardy Road
San Marino, California

Date of Application: May 28, 1951

Estimated Cost: Total - $100,000.00
Initial - $25,000.00
Additional-$75,000.00 if showings justify.

Mineral or Metal: Tungsten

Percentage of Government Participation: 75%

Location of Mine: Early Acres Mine, Mariposa County, California.

H. C. Miller

H. C. Miller
Executive Officer, DMA Field Team
Region III