9/8/52 zgla

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

224 New Customhouse
Denver 2, Colorado

August 27, 1952

Memorandum

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

From: Executive Officer, Field Team, Region IV

Subject: Termination of Contract No. Idm-E219, Docket DMEA 1402X (Copper), Heber Lion Mining Company

Enclosed are the original and two copies of Recission of Exploration Project Contract by Agreement Before Work is Begun covering Contract No. Idm-E219. Copies of this agreement have been given to the operator, the Fiscal Officer, Region IV, and a copy has been retained for our files.

W. H. King

W. H. King

Enclosures

Div. Copy

RECISSION OF EXPLORATION PROJECT CONTRACT BY
AGREEMENT BEFORE WORK IS BEGUN

It is agreed this 4th day of August, 1952, between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, hereinafter called the "Government," and Weber Lion Mining Company, hereinafter called the "Operator," parties to that certain Exploration Project Contract I-dm-E219, Docket No. DMEA 1402X, dated December 3, 1951, that said contract shall be and is hereby rescinded, revoked, and cancelled as of the date of the contract, before any actions have been taken or costs incurred thereunder, without any obligation whatever, one party to the other, the same as if said contract had never been entered into.

Witness the following signatures as of the day and year first above written.

UNITED STATES OF AMERICA

By W. H. Rung

WEBER LION MINING COMPANY

By Sumner Hatch
Secretary

MF-200
(June 1951)

Docket No. DMA 1402X
Commodity Copper
Idm-E219

DEFENSE MINERALS ADMINISTRATION
WASHINGTON
JAN 21 8 19 PM '52

UNITED STATES OF AMERICA
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

EXPLORATION PROJECT CONTRACT [1]

It is agreed this 3rd day of December, 1951, between the United States of America, acting through the Department of the Interior, Defense Minerals Administration, hereinafter called the "Government," and [2]
Heber Lion Mining Co., a Corporation
c/o Sumner Hatch, Secretary Treasurer
P. O. Box 184
Yerington, Nevada
hereinafter called the "Operator," as follows:

1. *Authority for contract.* This agreement is entered into under the authority of the Defense Production Act of 1950, pursuant to Mineral Order 5, entitled "Regulations Governing Government Aid in Defense Exploration Projects."

2. *Operator's property rights.* The exploration project shall be conducted on that certain property situated in the State of Utah, County of Wasatch described as follows: [3]
11 Patented mining claims located in the Snake Creek Mining District T3S., R3E., SLB & M designated as follows: Mineral Survey #5790 composed of Treasure No. 1, 2, 3 and 4; Mineral Survey #5792 composed of Lion No. 1, 2 and Lion Mine No. 3, Mineral Survey #5793 composed of Silver Bell, Wide West, Lone Star and Mountain View.
with respect to which the Operator represents and undertakes: [4]

(*a*) That he is the sole owner, in possession and entitled to possession, and that the property is subject only to the following claims, liens, or encumbrances as to each of which the subordination agreement of the holder is attached:
None

(*b*) [redacted]

3. *Exploration project.* The Operator, within 160 * days from the date of this contract shall commence work on a project of exploration for [5] copper; shall prosecute the work efficiently, expertly, in a workmanlike manner, in accordance with good mining standards, with suitable and adequate equipment, materials, and labor, all properly designed to bring the project to completion within a period of [6] nine (9) months * from the date of this contract. The exploration project and the work to be performed are more fully described on Exhibit "A" attached hereto, which, with any maps or drawings thereto attached, is made a part of this contract.

4. *Performance of the work.* The work shall be performed by the Operator, under his sole direction and control: *Provided,* That with the consent of the Government and its written approval of the contract or contracts, all or any part of the work may be performed by the Operator through contract or contracts with independent contractors. The Government shall have the right to enter and observe and inspect the work at all reasonable times, and the Operator shall provide the Government with all available means for doing so. The Government may consult with and advise the Operator on all phases of the work.

5. *Fixtures and improvements.* The Operator shall devote the land and all existing improvements, facilities, buildings, installations, and appurtenances to the purposes of the exploration project without any allowance for the use, rental value, depreciation, depletion, or other cost of acquiring, owning, or holding possession thereof. Any additional facilities, buildings, and fixtures, to be purchased, installed, or erected by the Operator, with the estimated cost of each, to which the Government will contribute currently its agreed pro rata share, are listed in Exhibit "A" attached hereto. The difference between the cost of such additional facilities, buildings, or fixtures, and the salvage value thereof at the conclusion of the work, shall be charged as a cost of the project to which the Government has contributed its pro rata share.

6. *Operating equipment.* Any operating equipment to be rented, purchased, or furnished by the Operator, with the allowable rental, purchase price, or depreciation, as the case may be, is listed under appropriate headings in Exhibit "A" attached hereto. As to equipment purchased for the project, the Government will contribute its agreed pro rata share of the cost thereof, and the difference between the cost and the salvage value at the conclusion of the work shall be charged as a cost of the project to which the Government has contributed its pro rata share.

[1] If sufficient space is not provided in any blank, use an extra sheet of paper and refer to it in the blank.
[2] State name, address, and nature of organization if any.
[3] Give legal description or enough to identify the property.
[4] Strike out the provision not applicable.
[5] Name of mineral.
[6] Not in excess of 2 years.

* Project to be completed within 4 months after actual starting but time allowance included as work cannot be started until weather permits.

16—64066-2

7. *Title to and disposition of prop*[illegible]. All facilities, buildings, fixtures, equipme[illegible]or other items costing more than $50 each, paid for or purchased with funds contributed jointly by the Operator and the Government, shall belong to the Operator and the Government jointly, in proportion to their respective contributions, and upon the termination of the contract, if they have any salvage value, shall be disposed of for their joint account unless the Government, in writing, waives its interest in any such items. The Government may require the dismantling, severance from land, and removal of any such items in order to realize its interest in the salvage value thereof, and the cost of any such removal and of the disposal of the items shall be for the joint account of the parties in proportion to their respective interests.

8. *Labor and supervision.* An itemized schedule of labor, by numbers and classes (miners, muckers, millmen, etc.), and of supervisors, by numbers and positions, with the maximum wages or salaries that may be paid to each as an allowable cost of the project is set forth in Exhibit "A" attached hereto.

9. *Rehabilitation and repairs.* A statement of the cost of any necessary rehabilitation or repairs to put existing facilities, buildings, installations, and fixtures into useful and operable condition and which are to be allowed as costs of the project is included in Exhibit "A."

10. *Allowable costs of the project.* The costs of the project in which the Government will participate are limited to the necessary, reasonable, direct costs of performing the exploration work, including the costs of materials, supplies, engineering, power, water, analytical work, accounting, and utilities, including items of equipment costing less than $50 each; and the costs referred to in Articles 5, 6, 8, and 9, and the exhibits annexed to and referred to in this contract. Although the Government may pay part of the cost of new or additional facilities, structures, buildings, and equipment, only the depreciation on such items, computed as indicated in Articles 5 and 6, will be charged as a cost of the project. No items of general overhead, corporate management, interest, taxes, or any other indirect costs not expressly allowed by these provisions, or work performed or costs incurred before the date of this contract, shall be allowed as costs of the project in which the Government will participate.

11. *Accounts and audits.* The Operator shall keep suitable records and accounts of operations, which the Government may inspect and audit at any time. The Government may at any time require an audit of the Operator's records and accounts by a certified public accountant, the cost thereof to be treated as a cost of the project. The Operator shall keep and preserve said records and accounts for at least 3 years after the completion of the project or the termination of this contract.

12. *Progress reports.* The Operator shall provide the Government with monthly reports of work performed under the contract upon forms to be provided by the Government. Each monthly progress report shall bear the certification of the Operator and shall constitute the Operator's invoice of costs incurred on the project during the period covered by the report.

13. *Payment to the Operator.* The monthly progress report (invoice), to the extent approved by the Government, shall be processed for payment by the Government. Payment shall be made in the amount of 50 percent of the approved costs incurred; *Provided,* That the aggregate total of all sums paid by the Government under this agreement shall not exceed $2,500.00, which is 50 percent of the agreed estimated total cost of this project, $5,000.00.

14. *Final reports by Operator.* Upon completion of the project or termination of this contract, the Operator shall provide the Government with a comprehensive geologic and engineering report, including an estimate of ore reserves, to the best of his ability. Four copies of all reports shall be furnished to the Government.

15. *Repayment by Operator.* If, upon the completion of the exploration project or termination of the contract, the Government considers that a discovery or development has resulted from the work from which commercial production of ore may be made, the Government, within 6 months thereafter, shall so certify to the Operator, particularly describing and delimiting its estimate of the discovery or the development. Thereafter, if and as ore is produced as a result of such discovery or development, the Operator and his successor in interest shall be and become obligated to pay to the Government a percentage royalty on the net smelter returns or other net proceeds realized from such ore, concentrates, or metal produced within ten (10) years from the date of this contract, until the total amount contributed by the Government, without interest, is fully repaid or said 10 years have elapsed, whichever occurs first, as follows:

Of net smelter returns or other net proceeds not in excess of eight dollars ($8.00) per ton of ore: One and one-half (1½) percent.

Of net smelter returns or other net proceeds in excess of eight dollars ($8.00) per ton of ore: One and one-half (1½) percent, plus one-half (½) percent for each additional full fifty cents ($0.50) in excess of eight dollars ($8.00) per ton of ore, but not in excess of a maximum of five (5) percent.

This obligation to repay from net returns or proceeds shall be and remain a claim and lien upon the mineral deposit which is the subject of the exploration project and upon any production resulting from such discovery or development, in favor of the Government, until fully paid, or until said 10-year period has elapsed; and this claim and lien and the Government's right to repayment shall survive any termination of the contract, whether by completion of the exploration project or otherwise. This article is not to be construed as imposing any obligation on the Operator or his successor in interest to produce ore from any such discovery or development.

16. *No assignment of contract.* Without the written consent of the Government, the Operator shall not assign or otherwise transfer or hypothecate this contract or any rights thereunder.

17. *Termination and completion.* The Government may, at any time, by written notice to the Operator, terminate this contract: (*a*) If the Operator fails to provide his share of the money necessary to prosecute operations pursuant to the terms of the contract; (*b*) if the Operator, in the opinion of the Government, fails to prosecute operations pursuant to the terms of the contract; or (*c*) if in the opinion of the Government, operations up to the time of the notice have not indicated the probability of making any worthwhile discovery and in the opinion of the Government further operations are not justified. Upon the completion of the project or any termination of the contract the Operator shall render to the Government a full and final accounting of his operations under the contract and his expenditures of money; shall dispose of any unused materials, supplies, and equipment for the joint account of the Operator and the Government in the proportion of their respective interests; and shall pay to the Government its pro-rata share of any money remaining.

Executed in sextuplicate the day and year first above written.

THE UNITED STATES OF AMERICA

Heber Lion Mining Company, Inc.
(Operator)

By Glen S. Wolch,
President

By C. Mittelsdorf
Acting Administrator
Defense Minerals Exploration Administration

U. S. GOVERNMENT PRINTING OFFICE 16—64066-2

EXHIBIT "A"

Exploration Project:

The Operator proposes to explore the main east-west fissure along the diorite-limestone contact by bulldozer stripping and trenching followed by diamond drilling at favorable locations on the surface. The proposed program to require 3 days of bulldozer operation and 400 feet of drilling.

It will be necessary to recondition approximately 1/8 of access road to the project site and this work is included in the three day operation of the bulldozer.

The approximate location of the work is indicated by area marked "C" on attached "Plat" and the topography, geology and present workings are shown on attached "Geologic Map".

Fixtures and Improvements:

The only cost of this nature allowable is the access road repair which is to be included in the cost of bulldozer operation.

Operating Equipment:

To be Rented:

Operating equipment to be used on the project consists of one bulldozer to be rented at an estimated cost of $80 per day which includes operator, all necessary supplies, repairs and attachments.

A diamond-drill unit is to be rented on the basis of $10 per foot of drilling and the per foot cost is to include all labor, supplies, repairs and attachments required for the drilling.

To be Purchased:

None

To be furnished by the Operator:

None

Labor and Supervision:

All labor is to be furnished with operating equipment as listed above.

1 Engineer-supervisor is allowable at $250 per month for two months.

Rehabilitation and Repair:

None

Miscellaneous Costs:

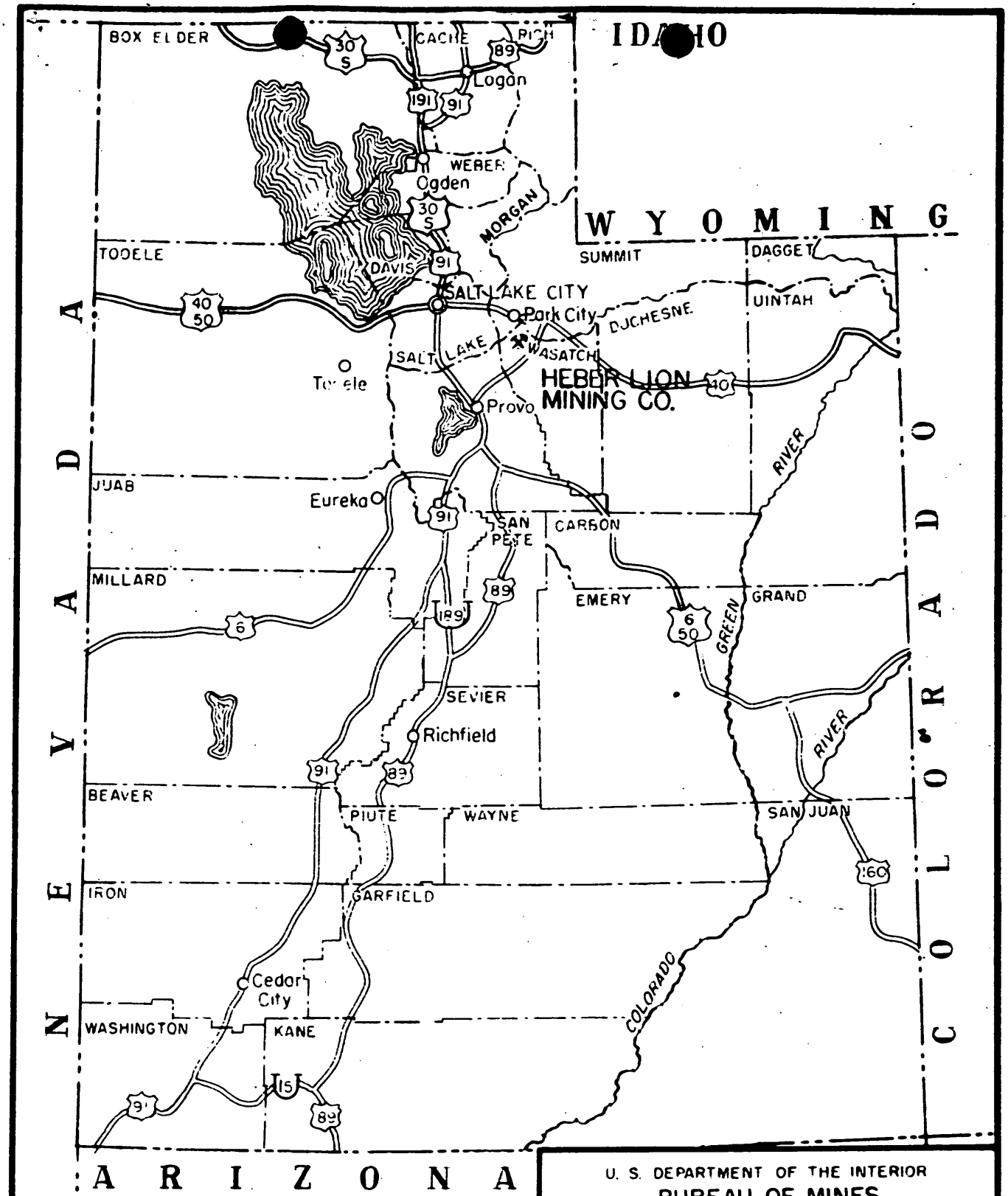
The cost of transportation of the bulldozer to and from the project site is estimated and allowable to the amount of $40.

The cost of miscellaneous materials, assay fees, and services in connection with the satisfactory presentation of reports as required by the contract form is allowable to the amount of $220.

Estimated Total Cost of the Project:

The costs of the project in which the Government will participate are limited to those stated in Article 10 of the contract form. The following estimate of costs is for the purpose of determining the maximum liability of the Government, under Article 13 of the contract form.

Bulldozing, 3 days @ $80 per day	$ 240.00
Diamond drilling, 400 feet @ $10 per foot	4,000.00
Supervision-engineering, 2 months @ $250/mo	500.00
Transportation of bulldozer	40.00
Miscellaneous materials, assaying and services	220.00
Total -	$ 5,000.00



U. S. DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

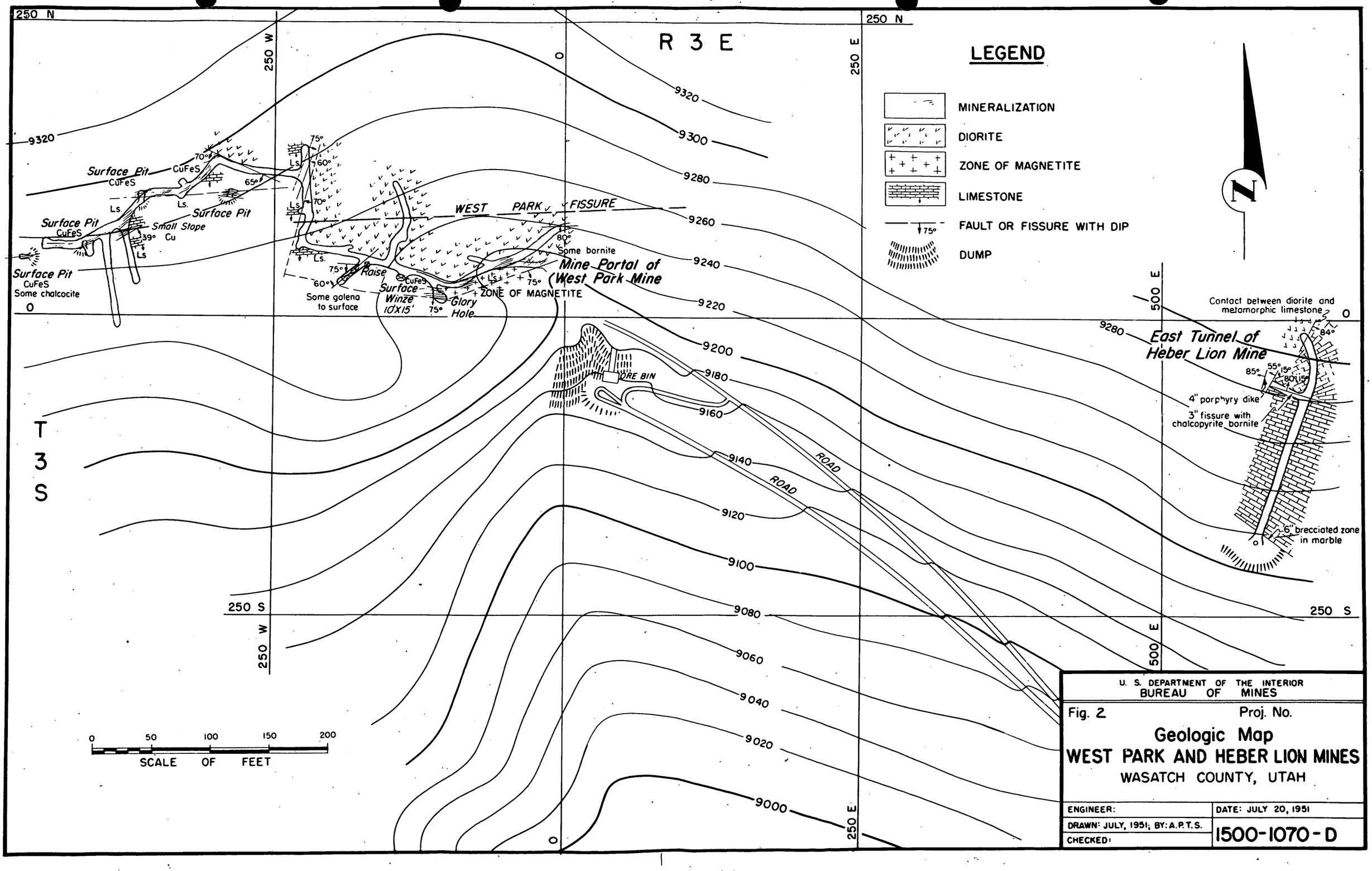
Fig. 1 Proj. No

Location Map

HEBER LION MINING CO.

WASATCH COUNTY, UTAH

ENGINEER:	DATE JULY 23 1951
TRACED: R.L.M.	1400-121-E
CHECKED:	

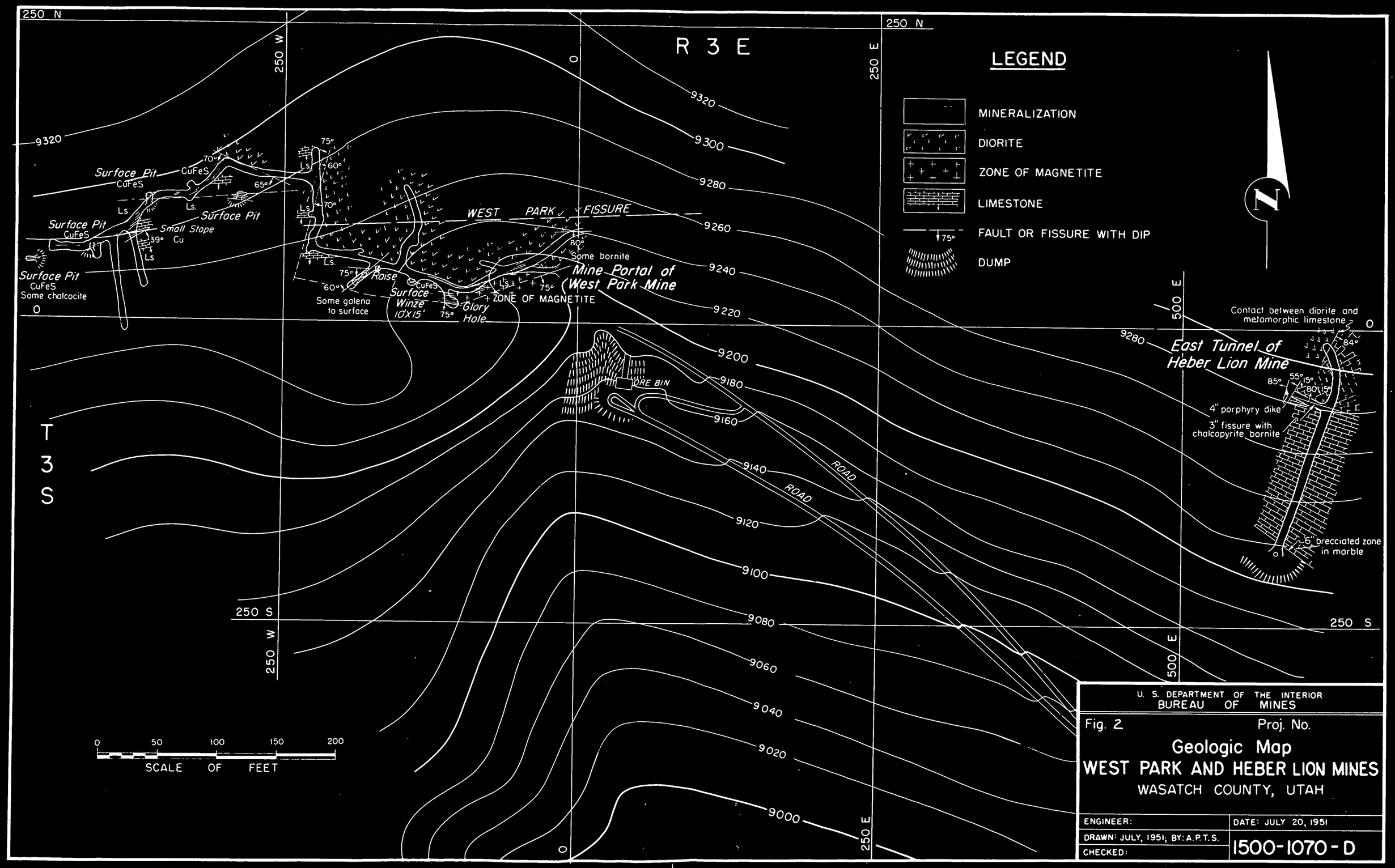


U. S. DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Fig. 2 Proj. No.

Geologic Map
WEST PARK AND HEBER LION MINES
WASATCH COUNTY, UTAH

ENGINEER:	DATE: JULY 20, 1951
DRAWN: JULY, 1951; BY: A.P.T.S.	1500-1070-D
CHECKED:	

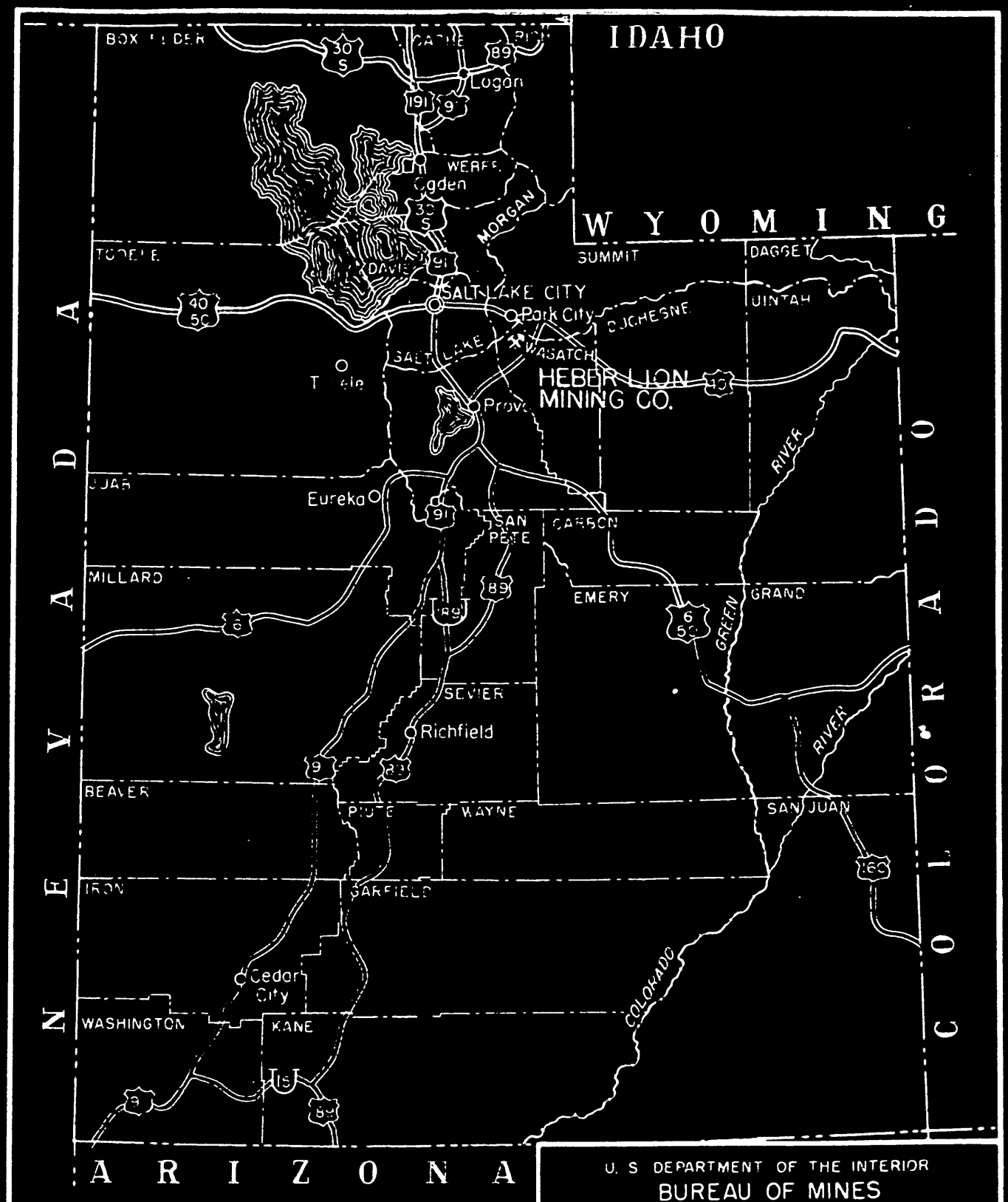


U. S. DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Fig. 2 Proj. No.

Geologic Map
WEST PARK AND HEBER LION MINES
WASATCH COUNTY, UTAH

ENGINEER:	DATE: JULY 20, 1951
DRAWN: JULY, 1951; BY: A.P.T.S.	1500-1070-D
CHECKED:	



0 50 100

SCALE OF MILES

U. S DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Fig. 1 Proj. No

Location Map

HEBER LION MINING CO.

WASATCH COUNTY, UTAH

ENGINEER DATE JULY 23, 1951

TRACED R.L.M. 1400-121-E

CHECKED

8/11/52 glm

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

DIVISION COPY

224 New Customhouse
Denver 2, Colorado

August 5, 1952

Mr. Sumner Hatch, Secretary
Heber Lion Mining Company
25 East Taylor Street
Reno, Nevada

Dear Mr. Hatch:

This is in reply to your letter dated August 1, 1952, in which you state that you desire to terminate Contract Ids-K219. Please sign all six copies of the enclosed form "Recission of Exploration Project Contract by Agreement Before Work is Begun", affix the corporate seal, and return all copies to this office.

If at some later date you desire exploration assistance, we will be glad to consider your application.

Very truly yours,

W. H. King

W. H. King
Executive Officer
Field Team, Region IV

Enclosures

JFS:jp
cc Secty to the Operating Committee (2)
SRWilson
Contract
Chron
AHKoschmann (2)

AUG 13 1952

0071 1071

Memorandum

To: Director, Production Expansion Division

From: Director, Supply Division

Subject: Application for exploration aid of Heber Lion Mining Company, DMA-1402X, Commodity-Copper, Government Participation-$2,500.00

Transmitted herewith are six copies of contract with exhibits attached, one field team report, two applications (MF-105) and two copies of General Technical Data (MF-100).

This project is recommended for approval by the DMA Field Team Region IV. The Supply Division concurs in the recommendation.

Tom Lyon
Tom Lyon, Director
Supply Division

Attachments

RVWaugh:rw
9-25-51

Copy to: Administrator's Reading File
Executive Officer, DMA Field Team IV
J. B. Gower
C. H. Johnson
D. MacLaren
Files - DMA Docket

Application for Exploration Aid
Huber Lime Mining Company
EXA-14,08X

Exhibit A

1. Exploration Project

Stripping and trenching by bulldozer along the diorite-limestone contact. This work should be followed by diamond drilling at selected locations on the surface above the tunnel level.

Summary of cost

Bulldozer	$ 280.00
Diamond drilling	4,000.00
Supervision	500.00
Assay fees and materials	220.00
	$5,000.00

2. Fixtures and Improvements

None

3. Operating Equipment

a. To be rented

Bulldozer, 3 days @ $80/day plus $40 drayage	$ 280.00
Diamond drilling, 400 ft. @ $10/ft.	4,000.00

b. To be purchased

Materials and assay fees	$ 220.00

c. Equipment furnished by operator

None

4. Labor and Supervision

a. Labor

None

b. Supervision

1 Engineer 2 months @ $250/mo.	$ 500.00

5. Rehabilitation and Repairs

None

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

224 New Customhouse
Denver 2, Colorado

September 18, 1951

Memorandum

To: Executive Secretary, Defense Minerals Administration

From: DMA Field Team, Region IV

Subject; DMA Docket 1402X, Heber Lion Mining Company, Snake Creek District, Wassatch County, Utah

Enclosed herewith is the brochure on DMA Docket 1402X, Heber Lion Mining Company, which is to be attached to the final report on the above docket which was forwarded to your office on August 31, 1951.

P. T. Allsman, Alternate

Enclosure

DEFENSE MINERALS ADMINISTRATION WASHINGTON, D.C.
SEP 21 1 46 PM '51

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

224 New Customhouse
Denver 2, Colorado

September 18, 1951

Memorandum

To: Executive Secretary, Defense Minerals Administration

From: DMA Field Team, Region IV

Subject; DMA Docket 1402X, Heber Lion Mining Company, Snake Creek District, Wasatch County, Utah

Enclosed herewith is the brochure on DMA Docket 1402X, Heber Lion Mining Company, which is to be attached to the final report on the above docket which was forwarded to your office on August 31, 1951.

F. T. Allaman, Alternate

Enclosure

ld

cc: DMA
Koschmann
Wilson

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

REGIONAL OPERATIONS
OFFICE
REGION IV
JUN 25 1951
BUREAU OF MINES
DENVER, COLORADO

JUN 21 1951

June 18, 1951

Mr. J. H. East, Jr.
Executive Officer Field Team, Region IV
Denver 2, Colorado

Dear Sir:

We attach "Review of Application for Exploration Assistance" on:

Docket No. DMA -1402X

Commodity Copper, ~~Lead~~

Applicant Heber Lion Mining Co., Property: Wasatch County, Utah

Please expedite the consideration of this application with particular reference to the points raised in the attached "Review."

Very truly yours,

Tom Lyon
Chairman
Coordinating Committee

Lawrence B. Moon
For Bureau of Mines

Edwin T. McKnight
For Geological Survey

3/5/51

Defense Minerals Administration

Review of Application for Exploration Assistance

Docket No. IMA 1402 X

Commodity: Copper

Total Amount $ 5,000.

Govt. Participation $ 2,500.

1. Name and Address of Applicant Heber Lion Mining Co.
c/o S. Hatch, P.O. Box 184, Yerington, Nevada

2. Location of Property Snake Creek Mining District, T3S-R3E
Wasatch County, Utah.

3. Mineral or metal 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

b) Poor

c) None

d) Don't know --- needs field examination Yes

e) Is there an alternative and favorable project? (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? Not lessee

Does the lease have sufficient time to run to cover a future productive period? Not lessee

*Question numbers are those of MF-103

7. Are subordination agreements necessary? No

a) MF-201? No

b) MF-202 No

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 — (Check availability or rental diamond drill)
(question 14 plus general knowledge of availability)

c) Accessibility (question 12) Yes

d) Water (question 13) Yes

e) Power (question 13) Yes

Is a field check needed on any of these points? Availability of rental diamond drill

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? No

If not, are there sufficient data given so that you can describe the project? No If so, attach a draft.

b) Is there an adequate map or sketch of the proposed work? No

No supporting evidence of ore

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

If not, what part of it is?

Is this part a worthwhile exploration project? Cannot say - (No data)

d) Are the cost estimates detailed? Yes

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

e) Are the cost estimates reasonable? Yes

f) Should more information be requested from applicant? Yes

g) Is a field examination necessary to complete Exhibit A? Yes

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. Involves only rental of equipment.

c) Are rents and charges reasonable? Yes

d) Is a field check needed? Yes - On availability of Contrex diamond drill.

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? No

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.

17. If field examination is needed, do you have any special instructions for the field team not indicated by your answers to the foregoing questions? ~~Amount of money applicant will invest not stated.~~ Exact area for exploration not stated definetely. No area or other maps & No assays submitted should drill several short D.D. holes rather than one long one. Field team must determine chance of finding ore. A field team definitely should examine this property.

Reviewed by: W. L. Cornwall
H P Cornwall
J B Gowen

Date 6/13/37

Form MF-100
(March 1951)

U.S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Form approved.
Budget Bureau No. 42-R1026.

DEFENSE MINERALS
ADMINISTRATION
WASHINGTON, D. C.
SEP 21 1 46 PM '51

GENERAL TECHNICAL DATA
FOR USE UNDER THE
DEFENSE PRODUCTION ACT OF 1950

NOT TO BE FILLED IN BY APPLICANT

Docket No. dma 1402 X

Date received 5-31-51

HEBER LION MINING COMPANY
c/o S. Hatch
P.O.Box 184
Yerington, Nevada.

Name and address of applicant

Date May 25, 1951

INSTRUCTIONS

This form is to be filed with Defense Minerals Administration, Department of the Interior, Washington 25, D. C. It should be accompanied by appropriate application form when a specific type of Government assistance is requested, in the form of (1) loan, (2) purchase contract, (3) Government guarantee of a private loan, (4) ~~Necessity Certificate pursuant to the provisions of Sec. 124-A (Amortization Deduction) of Internal Revenue Code, 1950, (5)~~ priorities or allocation of mining equipment, and maintenance, repair and operating supplies, and ~~(6)~~ 5 other forms of Government assistance that might arise under the Act. Submit four (4) signed copies of the form and accompanying papers. Name and address should be stamped or typed on each sheet of this form and all accompanying papers. *When a question is inapplicable it should be so stated on the form.* Additional sheets may be attached in answering any questions or in supplying additional information. (IF YOU CANNOT ANSWER A QUESTION, SO STATE.) If a question is answered elsewhere indicate where answered. It is not necessary to answer it again.

GENERAL TECHNICAL DATA

Supply the following information on separate sheets, arranged, numbered, and lettered as indicated:

1. Materials produced:
   (*a*) What are the chief mine, mill, or smelter products?
   (*b*) What are the byproducts, if any?
2. Name(s) and type(s) of mine(s), mill(s), smelter(s), refinery(ies), pit(s), quarry (ies), drilling operation(s). Include old names of property, if any. Show extent of workings, including the following:
   (*a*) Linear feet of shafts.
   (*b*) Linear feet of drifts and crosscuts.
   (*c*) Linear feet of tunnels or adits.
   (*d*) Linear feet of other mine openings (explain briefly).
   Indicate whether mine is flooded or not. Describe any pumping problems. Give size or productive capacity.
3. For each operation listed above supply the following:
   (*a*) Distance and direction from nearest town and shipping point.
   (*b*) Mining district.
   (*c*) Township, Section, Range.
   (*d*) County, State.
4. (*a*) State whether or not property is now in operation, and if in operation, by whom operated.
   (*b*) Are you operating this property as:
   - ☐ Owner.
   - ☐ Lessee.
   - ☐ Contractor.
5. Number of years in production ______
   If not in production or operation, estimated date when production will begin ______
6. Experience of operators:
   Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who manage the project.
7. History:
   (*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for suspension of operation.
   (*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.

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8. Names and addresses of Officers, Directors, or Partners, and in addition thereto, the five largest stockholders if applicant is a corporation.

Name and Address (a)	Official Title (If officer is also director indicate by "D") (b)	Total of Annual Salary, Commissions, Bonuses, Etc., Received From Applicant and Affiliates During Last Fiscal Year (c)	Estimated Net Worth Outside of Interest in Applicant (d)	Number of Shares Held in Applicant Corporation: Common (e)	Number of Shares Held in Applicant Corporation: Preferred (f)	Life Insurance Carried for Benefit of Applicant: Amount (g)	Life Insurance Carried for Benefit of Applicant: Net Cash Surrender Value After Loans (h)
Chas. W. Smith, 23 So. W. Temple, Salt Lake City	President D	none	$10,000	42,000		none	
E.M. Mohlman, Altonah, Utah.	Vice pres. D	none	15,000	40,600		none	
Sumner Hatch, Yerington, Nev.	Sec.-treas. D	none	10,000	206,000		none	
T.K. MacNaughtan, Heber, Utah	Director	none	10,000	2,250		none	
R.J. Murdock, Provo, Utah	Director	none	30,000	57,000		none	
Estate of John V n Wagoner Salt Lake City, Utah	Stockholder	none	20,000	20,000		-	
~~The above~~							
The five largest stockholders are included in above list.	Total		95,000	367,250			
			x x x x x			x x x x x	x x x x x

If more lines are needed continue on separate sheet.

9. Capital Stock Issues:

For Corporate Applicants

Item	Authorized (a)	Outstanding (b)	Par Value (c)	Number of Shares Outstanding (d)	Dividend Rate Last Paid* (e)
Common stock 1,000,000 shares	$	$	$ 10¢ share	478,000	none
Preferred stock none	$	$	$		

*Indicate period covered.

10. Production:

Item	Kind of Product (a)	1948 Total (b)	1949 Total (c)	1950 Total (d)	Present Average Monthly (e)
1. Quantity of product mined or quarried (Short, long, metric tons; barrels; pounds; etc.)					
2. Quantity of product processed (specify unit of measure and type of process)		NONE			
3. Quantity and grade of product sold or shipped (specify units of measure)					

11. Do you contemplate a change in the present average monthly rate of production? If so, state estimated maximum monthly production and basis of change.

12. Ore or Mineral Reserves:

(a) Describe the ore or mineral deposit briefly. Accompany the application by any available report on the geology and ore reserves.

See "History" in attached sheet.

Form MF-100

GENERAL TECHNICAL DATA

Item 1. MATERIALS PRODUCED:
(a) Copper ore showing some values in gold, silver and lead.

Item 2. EXTENT OF WORKINGS:
(a) About 250 feet of shafts (small exploratory workings, none exceeding 50 feet in depth.
(b) About 200 linear feet of drifts and crosscuts.
(c) About 700 linear feet of tunnel.

mine is not flooded

Item 3. (a) 12 miles northwest of Heber, Utah, Nearest rail shipping point.
(b) Snake Creek Mining District.
(c) Twp. 3 S., Range 3 E. Salt Lake Base and Meridian.
(d) Wasatch County, Utah.

Item 4. (a) The property is not now in Operation
(b) Owner

Item 5. Never has been in commercial production.

Item 6. All of the directors of the corporation have had long experience as miners . One of the directors is president Of Provo Reservoir Co. one of Utah's largest irrigation and wter Storage enterprises. If the loan application is granted, we would employ a qualified mining engineer to direct the exploration operations.

Item 7. HISTORY:

The corporation was formed by a consolidation of several small holdings for the purpose of securing patents on 16 lode claims. Many years ago shipments of high grade copper ore were made from the nearby Steamboat Tunnel of the Mountain Lake Mining Co. Surface croppings and shallow workings indicated that the Steamboat deposit extends eastward along a limestone- diorite contact and in a limestone fissure parallel to the contact, across most of the claims of the applicant company. A long tunnel was started down the slope intended to cut at depth the vein shown by the surface croppings and shallow workings. At a d/istnce of 700 feet from the portal this tunnel encountered iron sulfides in limestone strata at about 15 degrees, toward the lime-diorite contact. Work was suspend and patents were secured on the claims.

Within recent years the West Park Mining Co. Has shipped several carloads of high grade copper ore from shallow workings on the Marble Quarry claim which is immediately adjacent on the west to the Lion No.1 claim of the applicant company/ Large mining concerns such as the New Park Mining Co. have located all available open territory in the area and have purchased some un-patented holdings in the vicinity.

(*b*) If deposit is other than placer:

(1) Submit assay plans and/or sections showing location and size of proved (measured) and probable (indicated) ore or mineral reserve.

(2) State the tonnage (indicate type of ton) and grade of each class of ore reserve, as above, and show how computed. Tabulated total ore reserve as follows:

TOTAL ORE OR MINERAL RESERVES

Ore or Mineral Reserve	Estimated Tons (a)	Metal or Mineral Content Per Ton (Grade) (b)	Gross Value Per Ton (c)	Recoverable Unit Value Per Ton (d)	Estimated Cost of Production Per Ton (e)
	no estimates				
Measured (proved)					
Indicated (probable)					

(*c*) If placer:

(1) Give estimated total yardage and average marketable mineral content of each deposit.

(2) Submit map showing location of placer deposit and surrounding area, with all test holes or pits. Submit logs of each hole and test pit with depth and average value of each.

(3) Describe gravel, stating whether fine, medium or coarse; loose, tight, cemented, or frozen, and whether it contains stumps or boulders more than 1 foot in diameter; if so, how large, and in what proportion.

(4) Describe bedrock, giving type (granite, sandstone, shale, etc.) and state whether it is hard or soft, smooth, uneven or rough.

(5) Describe overburden, stating whether loose, tight, or cemented; fine or coarse textured; furnish estimate of average thickness and total amount.

(6) Tabulate the reserves using the form outlined above for ore or mineral reserves.

13. Access Roads: Good dirt road downhill 6 miles to Snake Creek Power Plant. Improved county road 6 additional miles to railroad at Heber, Utah.

Give road distances to shipping, supply and residence points, stating kind and condition of roads.

14. Water Supply: Stream of 6 to 10 cubic feet per second available on property

State source and quantity of water available for operations and whether sufficient for all seasons of year.

15. Power: Hydro- electric power plant within 3½ miles.

State amount of power used, rate per hour, and source thereof.

16. Labor:

State number and classes (miners, muckers, millmen, etc.) of men employed during a recent representative payroll period.

17. Equipment and Facilities:

Describe present equipment on the property, including buildings. (State condition.) List major pieces of equipment now owned or controlled and in serviceable condition available for this operation.

18. Are there any particular conditions or circumstances affecting your operations that are not described above? If so, explain.

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.

HEBER LION MINING CO.
(Name of company)

By Sumner Hatch
(Signature of authorized official)

Sumner Hatch
Secretary-Treasurer.
(Title)

May 25, 1951
(Date)

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.

U. S. GOVERNMENT PRINTING OFFICE 16—63792-1

OFFICE OF THE DIRECTOR

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
WASHINGTON 25, D. C.

Re: Docket No. DMA-1402

Heber Lion Mining Company
c/o F. Hatch
P.O. Box 184
Yerington, Nevada

Attention: Mr. F. Hatch

Dear Mr. Hatch:

This is to inform you that your application for aid for an exploration project has been referred to the field team for further study. You should hear shortly from Mr. H. C. Miller, Executive Officer, DMA Field Team, Region III, U. S. Appraisers Building, San Francisco 11, California.

Very truly yours,

Tom Lyon, Director
Supply Division

JWALt:jp
~~Tlyon:jp~~

Copy to: Executive Officer, DMA Field Team (2)
Executive Secretary
Administration Reading File
Coordinating Committee
J. B. Gowen
Charles J. Johnson
D. Mac Laren
Files

JUN 5 1951

June 4, 1951

Mr. [illegible] Hatch
Post Office Box 184
Yerington, Nevada

Subject: DMA-1402A
Re: Exploration Loan

My dear Mr. Hatch:

Receipt is acknowledged of your application and attachments of May 29, 1951 for an exploration loan under the Defense Production Act of 1950.

The application was assigned Docket Number DMA-1402A and referred to Mr. J. B. Gowen, Chief, Copper Branch on June 4, 1951.

In any future correspondence relating to your application, kindly refer to DMA-1402A.

Sincerely yours,

LANDON F. STROBEL

Landon F. Strobel
Executive Secretary

L. F. Strobel:jc
cc: Strobel
File
✓Gowen
Lyon

DMA Form 2

DEFENSE MINERALS ADMINISTRATION
Status Change Notice

DMA Docket No. 1402X

To: Reports and Records Branch

From: Copper Branch, Supply Division

Date: September 25, 1951

The following action has been taken this date on the above Controlled Document.

Forwarded to Production Expansion Division (thru Mr. Lyon's office for signature)

Type of request changed to:

Denied ☐ Withdrawn ☐

Approved in amount of $ 2,500.00

Other action, specify:

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 14021X

Date received 5-31-51

Participation

HEBER LION MINING COMPANY
C/o S. Hatch
P.O.Box 184
Yerington, Neva da.

Name and address of applicant

Date May 25, 1951.

FILL IN THIS BLOCK

Date of application May 25,1951

Estimated cost $5,000.00

Mineral or metal Copper

Percentage of Government participation 50

Location of mine In Snake Creek Mining District. T.3S., R3 E. S.L. B&M
Wasatch County, Utah.

Date of filing MF-100 May 25, 1951

DMA Docket Number, if available dma 14021X

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.

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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.

HEBER LION MINING CO.
(Name of Company)

By Sumner Hatch
(Signature of authorized official)

Sumner Hatch
Secretary- Treasurer.
(Title)

May 25, 1951

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

Item 6. There are no claims, leins or other encumbrances on the property.

Item 8. The only assets of the corporation are 16 patented mining claims. The surface rights of the claims are leased for grazing with a return sufficient to pay taxes and other small items incident to keeping the title clear. The corporation has no indebtedness. The officers and directors serve without salary or other compensation.

Item 15. Ore could be hauled by truck to Heber, Utah (about 12 miles) and shipped from Heber to smelters at Magna or Garfield, Utah. If a large body of commercial ore is encountered, by constructing about 1 mile of road to Brighton, Utah, ore could be trucked direct to a smelter, a distance of about 30 miles.

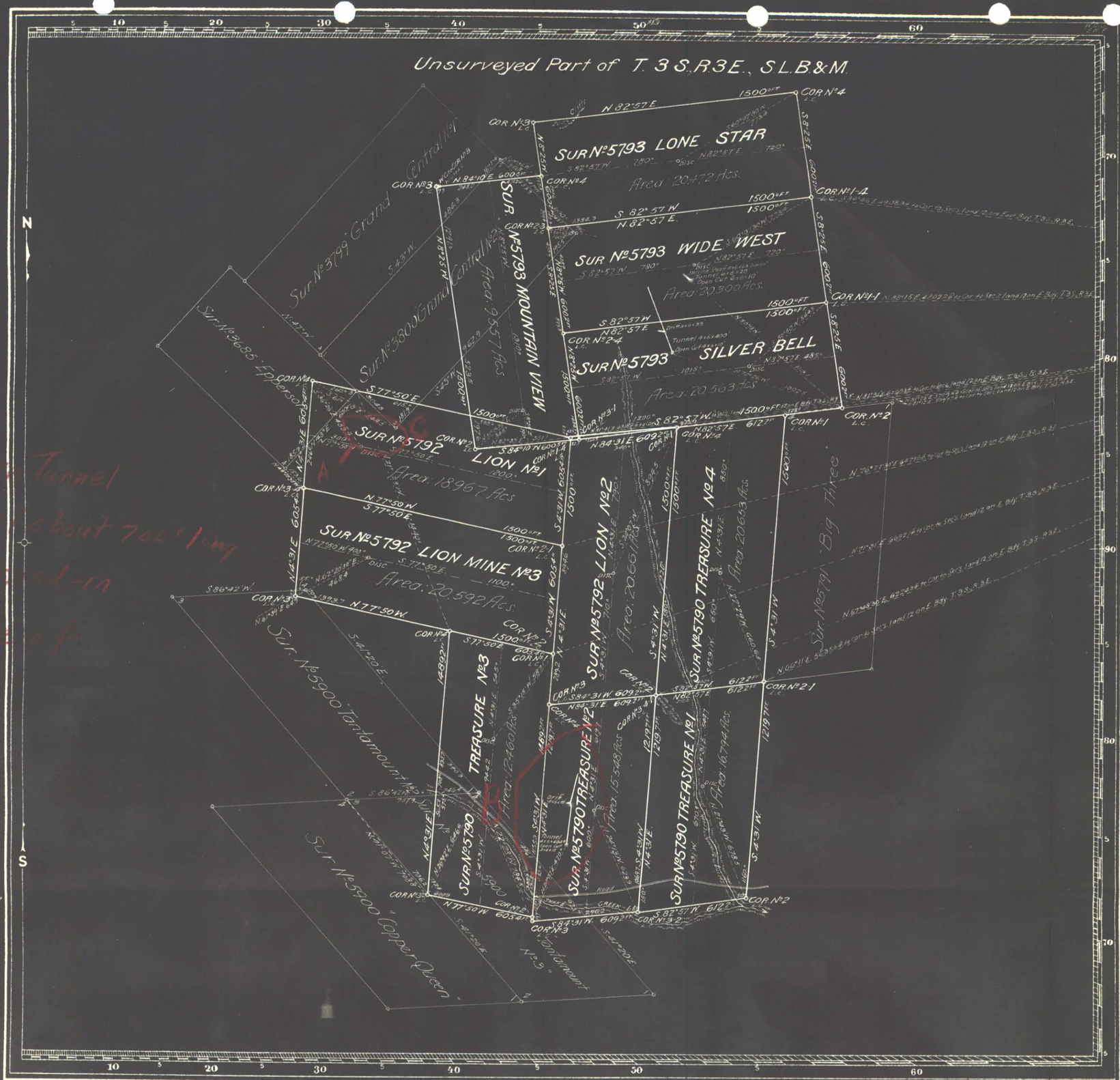
Item 20. Exploration would be conducted for sulfide and carbonate ores of copper which would contain some gold, silver and lead values.

Item 21. & Item 25. (and item 10 a.) The work for which the loan is requested would be stripping overburden from surface croppings of copper ore along a limost one- dicrite contact and along a mineralized limestone fissure near to and parralel to this contact. The Principal work would be on the Lion No. 1 claim of the applicant property. We should like to employ, by contract a large crawler-type tractor with a bulldozer attachment to uncover the vein near known outcroppings. If any showings of ore are revealed which, in the opinion of a qualified geologist would justify deep exploration, we would undertake diamond drilling on the most favorable showing and would supplement our end of the proposed government assisted exploration by further private financing.

Our suggested budget would be as follows:

Bulldozer 20 days @ $60.00 per day,	$1200.00
Geologist Fees, $ 200.00 (5 days @ $ 40.00)	
Expenses of Supervision by an officer of the Corporation,	$ 200.00
Diamond Drilling, by contract,	$ 3,400.00
Total----------	$5,000.00

24. Within 2½ months after the project is approved the above operations could be completed. However between November 15 and March 15 access to the property is difficult because of snow and lack of regular maintenace of roads.



Claim Located June 16, 1903; August 9, 1900; August 9, 1900; June 16, 1903; July 12, 1898; July 12, 1898; August 18, 1898; June 2, 1897; June 2, 1897; June 12, 1898; May 20, 1898.

Mineral Survey No. 5790, 5792, & 5793

~~Lot No.~~

Utah Land District.

CONSOLIDATED

PLAT

OF THE CLAIM OF

A. C. Hatch et al.

KNOWN AS THE

TREASURE Nº4, TREASURE Nº1, TREASURE Nº2, TREASURE Nº3, LION Nº1, LION Nº2, LION MINE Nº3, LONE STAR, WIDE WEST, SILVER BELL, AND MOUNTAIN VIEW LODES

IN Snake Creek MINING DISTRICT, Wasatch COUNTY, Utah

Containing an Area of 196.567 Acres.

Scale of 500 feet to the inch.

Variation 16°40' East

SURVEYED September 18, 1907-October 2, 1908. BY Byron S. Kershaw,

U.S. Deputy Mineral Surveyor,

The Original Field Notes of the Survey of the Mining Claim of A. C. Hatch et al. known as the "Treasure Nº4," "Treasure Nº1," "Treasure Nº2," "Treasure Nº3," "Lion Nº1," "Lion Nº2," "Lion Mine Nº3," "Lone Star," "Wide West," "Silver Bell," and "Mountain View" Lodes

from which this consolidated plat has been made under my direction, have been examined and approved, and are on file in this Office; and I hereby certify that they furnish such an accurate description of said Mining Claim as will, if incorporated into a patent, serve fully to identify the premises, and that such reference is made therein to natural objects or permanent monuments as will perpetuate and fix the locus thereof.

I further certify that Five Hundred Dollars worth of labor has been expended or improvements made upon said Mining Claim by claimants —— or their grantors, and that said improvements consist of three open cuts, three tunnels, two drifts and one incline shaft (for each location in Sur. Nº5790 & Sur. Nº5793) as described in the field notes.

that the location of said improvements is correctly shown upon this consolidated plat, and that no portion of said labor or improvements has been included in the estimate of expenditures upon any other claim.

And I further certify that this is a correct plat of said Mining Claim made in conformity with said original field notes of the surveys thereof, and the same is hereby approved.

U.S. Surveyor General's Office, Salt Lake City, Utah, August 20, 1909.

Thomas Hull
U.S. Surveyor General for Utah.

List Sheets 25, 26.

THE NORRIS PETERS CO., WASHINGTON, D. C.