DMA Form 1

DEFENSE MINERALS ADMINISTRATION
Control Slip

CONTROLLED DOCUMENT

DMA Docket No. 2066

DO NOT DETACH THIS SLIP

Action on this document is recorded and controlled in Reports and Records Branch. Any movement of this document between divisions or offices of DMA or movement outside DMA must be reported to the Reports and Records Branch. Actions taken that affect status of the case must also be reported.

This document has been recorded as

EXPLORATION LOAN

Any action taken to change the type of request for assistance must be promptly reported to the Reports and Records Branch. Use DMA Form 2 for submitting these reports.

Routing Slip

To:	CODE 350 ~~Lead-Zinc Br.~~	Date	9-11-51
To:	Coordinating Committee	Date	SEP 17 1951
To:	R & R	Date	9/18/51
To:	MR. MOULOS-RM. 4070 BASE METALS	Date	11-30-51
To:		Date	
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DO NOT DETACH

CONTROLLED DOCUMENT

Field Reports (continued)

DMA-2066
Lead-Zinc
Region IV

J. L. MINING COMPANY, PHOENIX, ARIZONA. Silver Queen Mine, Yavapai County, Arizona.
Field recommends application be denied.

DMA-2066
Lead, Zinc
Region IV

J. L. MINING COMPANY, PHOENIX, ARIZONA. Silver Queen Mine, Yavapai County, Arizona.
Field recommended application be denied. Committee reviewed. Report referred to Examining Division.

100

FILE COPY
SURNAME:

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

P.A.

Mr. McKnight
Dunton
Marshall
Thayer
Bergman

DEC 26 1951

Mr. W. S. Ballard, President
J. L. Mining Company
1812 E. McDowell Road
Phoenix, Arizona

Re: Docket No. 2066
Silver Queen Mine

Dear Mr. Ballard:

With reference to your application for exploration project assistance of August 24, 1951, the Government has made a detailed study of the data submitted by you and, also, all geological and field data presently available. We find that prior exploration conducted on the surface and in the Silver Queen Shaft has not indicated the presence of worthwhile mineralization. Your proposal to deepen the shaft to 800 feet and drift at 100 feet intervals from the shaft, also, does not appear to be sufficiently supported by geological evidence to substantiate the possibility of making a discovery which would result in a worthwhile production of base metal. Your application for exploration project assistance under Mineral Order 5 is therefore denied.

The Government is very much interested in participation in all well defined projects geologically favorable for the discovery and later production of a significant tonnage of strategically important mineral. We appreciate, therefore, the opportunity to review your project and regret that it does not fulfill the requirements for this participation.

Sincerely yours,

C. O. Mittendorf (fw)

Acting Administrator
Defense Minerals Exploration
Administration

DEMoulds:lm
12/11/51

cc: Admn. Reading File
Mails and Files Br. 12-24 ID
C. O. Mittendorf
R. H. Mote, USBM
E. T. McKnight
Field Team Reg. IV
Docket
D. E. Moulds

IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WASHINGTON 25, D. C.

December 13, 1951

Re: DMA-2066
Silver Queen Lead-Zinc Mine
Yavapai County, Arizona
Exploration loan, $100.000
Lead, zinc

Memorandum

To: Mr. C. O. Mittendorf

From: Mr. E. L. Newcomb

Subject: Geological recommendation

The field report on the subject property recommends a denial of the application for an exploration loan.

Underground development has followed a sparsely mineralized fault zone. The examination of the old workings disclosed no evidence to suggest that minable ore could be expected at depth by further exploration. Assays of samples taken by a consulting engineer, in a private report, indicate that the average value of the ore is less than 0.5 per cent combined lead and zinc.

I concur with the field team and recommend a denial of this application for an exploration loan.

Attached hereto are

1 Copy MF-100
1 Copy MF-103

E. L. Newcomb
E. L. Newcomb
Geologist

FILE COPY
SURNAME:

Moulds

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

December 11, 1951

Memorandum

To: Mr. C. O. Mittendorf, Acting Administrator

From: D. E. Moulds

Subject: Recommendation for denial of application for exploration project assistance. Docket No. DMA 2066X, J. L. Mining Company, Phoenix, Arizona, Lead-Zinc.

N. 5
R + R
1-4-52

The subject application for exploration project assistance was made under date of May 15, 1951, for a project amounting to $100,000. The project was referred to Region IV for field examination which was made on October 29-30, 1951, and report received in Washington on November 28, 1951.

The Property:

The property consists of 11 claims situated in the Big Bug Mining District, Yavapai County, Arizona. Property is held under lease and option by the subject corporation. The principal workings consist of a 210 foot inclined shaft with about 87 feet of drift and crosscut on the 115 foot level. Development equipment on the property consists of headframe, hoist, compressors, drills, pumps, storage tanks and miscellaneous tools. A 20 x 20 building and trailer were used for living quarters. The owners deepened the shaft from 100 to 180 feet and did the work on the 115 foot level in 1947 and the subject company sunk 25 feet in 1951. The only evident production is a few hundred pounds of sorted ore.

Geology:

Country rock is Yavapai schist with Bradshaw granite intrudes the schist and outcrops on one side of the property. A hornblend dike occurs near the mine.

The mine workings follow a fault paralleling the schistosity which is filled with breccia and gauge, and varies from 2 to 6 feet in width. Small scattered quartz veinlets with minor sphalerite and galena occur in the fault breccia.

The Project:

The applicant proposes to enlarge and retimber the shaft from the surface to the 100 feet level, install pump station at 200 feet level, sink shaft 585 feet (to 800 feet level) and drift 100 feet each way from shaft at each level (100 - 800) which would amount to about 1600 feet. The estimate for this work is $100,000 and to be completed in one year.

Conclusions:

The field team examination indicated that the only justification for the past development and proposed exploration was the mineralized zone associated with the fault in the Yavapai schist, and reported high-grade silver ore produced from early surface work. The lead-zinc mineralization in the shaft is confined to a few widely scattered, discontinuous quartz stringers with the average grade represented by six samples being less than 0.5% combined lead and zinc and less than an ounce of silver. These samples were taken by Mr. George B. Batsford, consulting engineer, who had previously examined the mine for the applicant.

The President of the Company indicated that there was no apparent change in rock, structure, or mineralization from the 115 foot level to the bottom of the shaft.

Recommendation:

The field team report indicates that the present development does not indicate any criteria to substantiate the possibility of discovery of a worthwhile tonnage of base metal production by exploration of the fault zone in depth such as is proposed. It is therefore recommended that the attached letter of denial be sent to the applicant.

D. E. Moulds

DEMoulds'lm
12/11/51

cc: Admn. Reading File
Mails and Files Br.
C. O. Mittendorf
R. H. Mote, USBM
E. T. McKnight, USGS
Field Team Reg. IV
Docket
D. E. Moulds

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

December 11, 1951

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From: D. E. Moulds

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D. E. Moulds

D. E. Moulds

OFFICE OF THE ADMINISTRATOR

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

DEFENSE MINERALS ADMINISTRATION WASHINGTON, D.C.
NOV 26 9 11 AM '51

DEPARTMENT OF THE INTERIOR
RECEIVED
NOV 26 1951
Defense Minerals Administration,
Production Expansion Division.

224 New Customhouse

Denver 2, Colorado

November 21, 1951

Memorandum

To: C. O. Mittendorf, Director, Production Expansion Division
Defense Minerals Administration

From: Executive Officer, DMA Field Team, Region IV

Subject: DMA Docket 2066, J. L. Mining Company, Silver Queen Lead-Zinc Mine, Yavapai County, Arizona

Enclosed herewith are six copies of a mining lease of Silver Queen Group of claims and six copies of financial statement as of June 30, 1951.

This information was presumably requested by Tom Lyon under date of September 19. A report of an examination was sent you from this office on November 20, 1951. You will note that we recommended denial of the loan.

J. H. East, Jr.

Enclosures

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

DEFENSE MINERALS ADMINISTRATION WASHINGTON, D.C.
NOV 26 9 11 AM '51

224 New Customhouse

Denver 2, Colorado

November 21, 1951

Memorandum

To: C. O. Mittendorf, Director, Production Expansion Division
Defense Minerals Administration

From: Executive Officer, DMA Field Team, Region IV

Subject: DMA Docket 2066, J. L. Mining Company, Silver Queen Lead-Zinc Mine, Yavapai County, Arizona

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J. H. East, Jr.

Enclosures

PTA:ld

cc: DMA docket, chron.
Koschmann

ADMINISTRATOR
WASHINGTON, D. C.
Nov 26 9 11 AM '59

MINING LEASE AND OPTION

THIS AGREEMENT, made and entered into this 10th day of November, 1959, between THEODORE SCHUTZ and LAURA SCHUTZ, his wife, and JOSEPH E. SYLVIA and MARY SYLVIA, his wife, first parties, and I. L. MINING COMPANY, a corporation, second party.

WITNESSETH: That first parties do by these presents lease, let and option unto second party, with the privilege and option to purchase the property hereinafter described under the terms and conditions and for the consideration hereinafter mentioned, said property being described as those certain unpatented lode mining claims situate in the Big Bug Mining District, Yavapai County, Arizona, the location notices of which are record in the office of the county recorder of Yavapai County, Arizona, as follows:

NAME OF CLAIM	BOOK	PAGE
Silver Queen	157	534
Silver Queen No. 1	157	535
Silver Queen No. 2	157	536
Silver Queen No. 3	157	537
Gold Standard	157	533
Silver King	154	47

Also, the Gold Nut, Willow Tree, and Gold Leaf patented mining claims, the patents of which are recorded in the office of the county recorder of Yavapai County, Arizona, in Book 69 of deeds at pages 231 and 235.

This lease and option is for a period of 10 years from the date hereof with privilege of renewal for an additional 10 year period upon written notice by second party to first parties given 6 months prior to expiration herof. The terms and conditions of this lease and option are as follows:

1. It is understood and agreed that the location work on the unpatented mining claims described herein, except the "Silver King" unpatented mining claim, may be performed by second party, and in the event second party does not perform said location work, said claims are to be deleted from this lease.

2. Second party shall have the exclusive possession and control of the above described mining property on and after the date of this instrument for the purpose of conducting mining operations thereon. Second party shall have 90 days from the date of this instrument in which to make an examination of the mining property preparatory to commencing mining operations thereon. At the expiration of said 90 days period second party shall pay to first parties the sum of five hundred dollars ($500.00) to apply on the purchase price of said mining property. Commencing 90 days after the date of this instrument, second party agrees to have performed 288 eight hour shifts of mining work on said property during each 6 month's period while this lease and option remains in force and effect.

3. Second party shall have the right to purchase the mining property described herin for the sum of one hundred thousand dollars ($100,000.00) at any time during the period of this lease and option. Second party agrees to pay to first parties 10 per cent of the net mint or smelter returns from ores, concentrates or bullion mined from said property during the term of this lease and option and such royalty shall apply on the purchase price herein specified. Net mint or smelter returns shall mean the net amount received from the mint or smelter after deduction of railroad, freight, express and treatment charges. In the event ores or concentrates shall be shipped by truck from the mine to the smelter, second party shall be allowed to deduct the equivalent of railroad freight charges on such ores from the nearest shipping point to said smelter. Royalties earned in any one month shall be paid to first parties by the 10th of the month following.

4. Second party agrees that it will be wholly responsible for all debts and liabilities incurred in the prosecution of work on said mining claims and shall keep posted notices of non-liability as provided by law, which notices shall be furnished by first parties. Second party further agrees that all mining operations on said property shall be conducted in a good miner-like fashion and in compliance with all state and federal laws, rules and regulations pertaining to the mining industry. Second party further agrees to comply with the rules and regulations of

the state industrial commission pertaining to insurance of employees.

5. Second party agrees to perform all assessment work necessary to hold the unpatented mining claims embraced in this agreement and file all necessary affidavits of such assessment work on or before June 1st of each year during the term of this lease.

6. All machinery, equipment or other personal property placed upon the property described herein by second party shall be and remain the property of second party and second party shall have the right to remove such machinery equipment or personal property winthin 60 days after the termination of this lease and option. It is understood and agreed, however, that second party shall not remove any rails or timbers from the underground workings of said mining claims.

7. First parties shall have the privilege of entering upon said mining property for the purpose of inspection and to perform all necessary assessment work when such assessment work is necessary to prevent the forgeiture of said claims.

8. If second party shall fail to perform the covenants imposed upon it by the terms hereof as and within the time provided by this instrument, then at the option of first parties after 30 days written notice mailed to second party at Bumble Bee, Arizona, this lease and option may be forfeited and annulled and all payments made hereunder by second party to first parties shall be forfeited as liquidated damages to first parties and shall be held and considered as rentals under this agreement.

9. This lease and option shall be assignable and either of the parties hereto may assign all or any portion of his or its interest under this agreement to any person or corporation. The terms herof shall be binding upon the parties hereto, their heirs, executors, administrators and assigns.

IN WITNESS WHEREOF, the parties have hereunto set their hands as of the day and year first above written.

Theodore Schutz

Laura Schutz L

Joseph E. Sylvia

Mary Sylvia
First Parties

J. L. MINING COMPANY

By J. L. HATCHETT
President

Attest:

W. A. PAYNE
SECRETARY
SECOND PARTIES

STATE OF ARIZONA)
) SS.
COUNTY OF YAVAPAI)

On this the 10th day of November, 1950, before me, the undersigned officer, personally appeared THEODORE SCHUTZ, LAURA SCHUTZ, JOSEPH E. SYLVIA and MARY SYLVIA, known to me to be the persons whose names are subscribed to the within instrument and acknowledged that they executed the same for the purpose therein contained.

In witness whereof I hereunto set my hand and official seal.

Laura R. Upton
Notary Public

SEAL

My commission expires:

Oct. 25, 1954

STATE OF ARIZONA)
) SS.
COUNTY OF YAVAPAI)

On this the 10th day of November, 1950, before me, the undersigned officer, personally appeared J. L. HATCHETT and W. A. DAYNE, who acknowledged themselves to be the president and secretary, respectively, of J L MINING COMPANY, a corporation, and that they, as such president and secretary, being authorized so to do, executed the foregoing instrument for the purposes therein contained by signing the name of the corporation by themselves as president and secretary.

In witness whereof I hereunto set my hand and official seal.

Laura R. Upton
Natary Public

SEAL

My commission expires:

Oct. 25, 1954

MINING LEASE AND OPTION

THIS AGREEMENT, made and entered into this 10th day of November, 1959, between THEODORE SCHUTZ and LAURA SCHUTZ, his wife, and JOSEPH E. SYLVIA and MARY SYLVIA, his wife, first parties, and L. L. MINING COMPANY, a corporation, second party.

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Also, the Gold Nut, Willow Tree, and Gold Leaf patented mining claims, the patents of which are recorded in the office of the county recorder of Yavapai County, Arizona, in Book 69 of deeds at pages 231 and 235.

This lease and option is for a period of 10 years from the date hereof with privilege of renewal for an additional 10 year period upon written notice by second party to first parties given 6 months prior to expiration herof. The terms and conditions of this lease and option are as follows:

1. It is understood and agreed that the location work on the unpatented mining claims described herein, except the "Silver King" unpatented mining claim, may be performed by second party, and in the event second party does not perform said location work, said claims are to be deleted from this lease.

2. Second party shall have the exclusive possession and control of the above described mining property on and after the date of this instrument for the purpose of conducting mining operations thereon. Second party shall have 90 days from the date of this instrument in which to make an examination of the mining property preparatory to commencing mining operations thereon. At the expiration of said 90 days period second party shall pay to first parties the sum of five hundred dollars ($500.00) to apply on the purchase price of said mining property. Commencing 90 days after the date of this instrument, second party agrees to have performed 288 eight hour shifts of mining work on said property during each 6 month's period while this lease and option remains in force and effect.

3. Second party shall have the right to purchase the mining property described herin for the sum of one hundred thousand dollars ($100,000.00) at any time during the period of this lease and option. Second party agrees to pay to first parties 10 per cent of the net mint or smelter returns from ores, concentrates or bullion mined from said property during the term of this lease and option and such royalty shall apply on the purchase price herein specified. Net mint or smelter returns shall mean the net amount received from the mint or smelter after deduction of railroad, freight, express and treatment charges. In the event ores or concentrates shall be shipped by truck from the mine to the smelter, second party shall be allowed to deduct the equivalent of railroad freight charges on such ores from the nearest shipping point to said smelter. Royalties earned in any one month shall be paid to first parties by the 10th of the month following.

4. Second party agrees that it will be wholly responsible for all debts and liabilities incurred in the prosecution of work on said mining claims and shall keep posted notices of non-liability as provided by law, which notices shall be furnished by first parties. Second party further agrees that all mining operations on said property shall be conducted in a good miner-like fashion and in compliance with all state and federal laws, rules and regulations pertaining to the mining industry. Second party further agrees to comply with the rules and regulations of

DEFENSE MINERALS
ADMINISTRATION
WASHINGTON, D. C.

NOV 26 9 11 AM '51

the state industrial commission pertaining to insurance of employees.

5. Second party agrees to perform all assessment work necessary to hold the unpatented mining claims embraced in this agreement and file all necessary affidavits of such assessment work on or before June 1st of each year during the term of this lease.

6. All machinery, equipment or other personal property placed upon the property described herein by second party shall be and remain the property of second party and second party shall have the right to remove such machinery equipment or personal property winthin 60 days after the termination of this lease and option. It is understood and agreed, however, that second party shall not remove any rails or timbers from the underground workings of said mining claims.

7. First parties shall have the privilege of entering upon said mining property for the purpose of inspection and to perform all necessary assessment work when such assessment work is necessary to prevent the forgeiture of said claims.

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9. This lease and option shall be assignable and either of the parties hereto may assign all or any portion of his or its interest under this agreement to any person or corporation. The terms herof shall be binding upon the parties hereto, their heirs, executors, administrators and assigns.

IN WITNESS WHEREOF, the parties have hereunto set their hands as of the day and year first above written.

Theodore Schutz

Laura Schutz L

Joseph E. Sylvia

Mary Sylviz
First Parties

J. L. MINING COMPANY

By J. L. HATCHETT
President

Attest:

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SECOND PARTIES

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the state industrial commission pertaining to insurance of employees.

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Laura Schutz L

Joseph E. Sylvia

Mary Sylviz
First Parties

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By J. L. HATCHETT
President

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SECRETARY
SECOND PARTIES

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) SS.
COUNTY OF YAVAPAI)

On this the 10th day of November, 1950, before me, the undersigned officer, personally appeared THEODORE SCHUTZ, LAURA SCHUTZ, JOSEPH E. SYLVIA and MARY SYLVIA, known to me to be the persons whose names are subscribed to the within instrument and acknowledged that they executed the same for the purpose therein contained.

In witness whereof I hereunto set my hand and official seal.

Laura R. Upton
Notary Public

SEAL

My commission expires:

Oct. 25, 1954

STATE OF ARIZONA)
) SS.
COUNTY OF YAVAPAI)

On this the 10th day of November, 1950, before me, the undersigned officer, personally appeared J. L. HATCHETT and W. A. PAYNE, who acknowledged themselves to be the president and secretary, respectively, of J L MINING COMPANY, a corporation, and that they, as such president and secretary, being authorized so to do, executed the foregoing instrument for the purposes therein contained by signing the name of the corporation by themselves as president and secretary.

In witness whereof I hereunto set my hand and official seal.

Laura R. Upton
Natary Public

SEAL

My commission expires:

Oct. 25, 1954

MINING LEASE AND OPTION

THIS AGREEMENT, made and entered into this 10th day of November, 1950, betweem THEODORE SCHUTZ and LAURA SCHUTZ, his wife, and JOSEPH E. SYLVIA and MARY SYLVIA, his wife, first parties, and J. L. MINING COMPANY, a corporation, second party.

WITNESSETH: That first parties do by these presents lease, let and option unto second party, with the privilege and option to purchase the property hereinafter described under the terms and conditions and for the consideration hereinafter mentioned, said property being described as those certain unpatented lode mining claims situate in the Big Bug Mining District, Yavapai County, Arizona, the location notices of which are of record in the office of the county recorder of Yavapai County, Arizona, as follows:

NAME OF CLAIM	BOOK	PAGE
Silver Queen	157	534
Silver Queen No. 1	157	535
Silver Queen No. 2	157	536
Silver Queen No. 3	157	537
Gold Standard	157	533
Silver King	154	47

Also, the Gold Nut, Willow Tree, and Gold Leaf patented mining claims, the patents of which are recorded in the office of the county recorder of Yavapai County, Arizona, in Book 69 of deeds at pages 231 and 235.

This lease and option is for a period of 10 years from the date hereof with privilege of renewal for an additional 10 year period upon written notice by second party to first parties given 6 months prior to expiration hereof. The terms and conditions of this lease and option are as follows:

1. It is understood and agreed that the location work on the unpatented mining claims described hereinm except the Silver King unpatented mining claim, may be performed by second party, and in the event second party does not perform said location work, said claims are to be deleted from this lease.

2. Second party shall have the exclusive possession and control of the above described mining property on and after the date of this instrument for the purpose of conducting mining operations thereon. Second party shall have 90 days from the date of this instrument in which to make an examination of the mining property preparatory to commencing mining operations thereon. At the expiration of said 90 day period second party shall pay to first parties the sum of finve hundred dollars ($500.00) to apply on the purchase price of said mining property. Commencing 90 days after the date of this instrument, second party agrees to have performed 288 eight hour shifts of mining work on said property during each 6 month's period while this lease and option remains in force and effect.

3. Second party shall have the right to purchase the mining property described herein for the sum of one hundred thousand dollars ($100,000.00) at any time during the period of this lease and option. Second party agrees to pay to first parties 10 per cent of the net mint or smelter returns from ores, concentrates or bullion mined from said property during the term of this lease and option and such royalty shall apply on the purchase price herein specified. New mint or smelter returns shall mean the net amount received from the mint or smelter after deduction of railroad, freight, express and treatment charges. In the event ores or concentrates shall be shipped by truck from the mine to the smelter, second party shall be allowed to deduct the equivalent of railroad freight charges on such ores from the nearest shipping point to said smelter. Royalties earned in any one month shall be paid to first parties by the 10th of the month following.

4. Second party agrees that it will be wholly responsible for all debts and liabilities incurred in the prosecution of work on said mining claims and shall keep posted notices of non-liability as provided by law, which notices shall be furnished by first parties. Second party further agrees that all mining operations on said property shall be conducted in a good miner-like fashion and in compliance with all state and federal laws, rules and regulations pertaining to the mining industry. Second party further agrees to comply with the rules and regulations of the state industrial commission pertaining to insurance of employees.

5. Second party agrees to perform all assessment work necessary to hold the unpatented mining claims embraced in this agreement and file all necessary affidavits of such assessment work on or before June 1st of each year during the term of this lease.

6. All machinery, equipment or other personal property placed upon the property described herein by second party shall be and remain the property of second party and second party shall have the right to remove such machinery, equipment or personal property within 60 days after the termination of this lease and option. It is understood and agreed, however, that second party shall not remove any rails or timbers from the underground workings of said mining claims.

7. First parties shall have the privilege of entering upon said mining property for the purpose of inspection and to perform all necessary assessment work when such assessment work is necessary to prevent the forfeiture of said claims.

8. If second party shall fail to perform the covenants imposed upon it by the terms hereof as and within the time provided by this instrument, then at the option of first parties after 30 days written notice mailed to second party at Bumble Bee, Arizona, this lease and option may be forfeited and annulled and all payments made hereunder by second party to first parties and shall be held and considered as rentals under this agreement.

9. This lease and option shall be assignable and either of the parties hereto may assign all or any portion of his or its interest under this agreement to any person or corporation. The terms hereof shall be binding upon the parties hereto, their heirs, executors, administrators and assigns.

IN WITNESS THEREOF, the parties have hereunto set their hands as of the day and year first above written.

THEODORE SCHUTZ

LAURA SCHUTZ

JOSEPH E. SYLVIA

MARY SYLVIZ

FIRST PARTIES

J L MINING COMPANY

by J L HATCHETT
President

Attest:

W. A. PAYNE
Secretary

Second Parties

STATE OF ARIZONA)
) SS.
COUNTY OF YAVAPAI)

On this the 10th day of November, 1950, before me, the undersigned officer, personally appeared THEODORE SCHUTZ, LAURA SCHUTZ, JOSEPH E. SYLVAI and MARY SYLVIA, known to me to be the persons whose names are subscribed to the within instrument and acknowledged that they executed the same for the purposes therein contained,

In witness whereof I hereunto set my hand and official seal.

Laura R. Upton
Notary Public

SEAL

My commission expires:

Oct. 25, 1954

STATE OF ARIZONA)
) SS.
COUNTY OF YAVAPAI)

On this the 10th day of November, 1950, before me, the undersigned officer, personally appeared J. L. HATCHETT and W. A. PAYNE, who acknowledged themselves to be the president and secretary, respectively, of J. L. MINING COMPANY, a corporation, and that they, as such president and secretary, being authorized so to do, executed the foregoing instrument for the purposes therein contained by signing the name of the corporation by themselves as president and secretary.

In witness whereof I hereunto set my hand and official seal.

Laura R. Upton
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Oct. 25, 1954

MINING LEASE AND OPTION

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WITNESSETH: That first parties do by these presents lease, let and option unto second party, with the privilege and option to purchase the property hereinafter described under the terms and conditions and for the consideration hereinafter mentioned, said property being described as those certain unpatented lode mining claims situate in the Big Bug Mining District, Yavapai County, Arizona, the location notices of which are of record in the office of the county recorder of Yavapai County, Arizona, as follows:

NAME OF CLAIM	BOOK	PAGE
Silver Queen	157	534
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Also, the Gold Nut, Willow Tree, and Gold Leaf patented mining claims, the patents of which are recorded in the office of the county recorder of Yavapai County, Arizona, in Book 69 of deeds at pages 231 and 235.

This lease and option is for a period of 10 years from the date hereof with privilege of renewal for an additional 10 year period upon written notice by second party to first parties given 6 months prior to expiration hereof. The terms and conditions of this lease and option are as follows:

1. It is understood and agreed that the location work on the unpatented mining claims described hereinm except the Silver King unpatented mining claim, may be performed by second party, and in the event second party does not perform said location work, said claims are to be deleted from this lease.

2. Second party shall have the exclusive possession and control of the above described mining property on and after the date of this instrument for the purpose of conducting mining operations thereon. Second party shall have 90 days from the date of this instrument in which to make an examination of the mining property preparatory to commencing mining operations thereon. At the expiration of said 90 day period second party shall pay to first parties the sum of finve hundred dollars ($500.00) to apply on the purchase price of said mining property. Commencing 90 days after the date of this instrument, second party agrees to have performed 288 eight hour shifts of mining work on said property during each 6 month's period while this lease and option remains in force and effect.

3. Second party shall have the right to purchase the mining property described herein for the sum of one hundred thousand dollars ($100,000.00) at any time during the period of this lease and option. Second party agrees to pay to first parties 10 per cent of the net mint or smelter returns from ores, concentrates or bullion mined from said property during the term of this lease and option and such royalty shall apply on the purchase price herein specified. New mint or smelter returns shall mean the net amount received from the mint or smelter after deduction of railroad, freight, express and treatment charges. In the event ores or concentrates shall be shipped by truck from the mine to the smelter, second party shall be allowed to deduct the equivalent of railroad freight charges on such ores from the nearest shipping point to said smelter. Royalties earned in any one month shall be paid to first parties by the 10th of the month following.

4. Second party agrees that it will be wholly responsible for all debts and liabilities incurred in the prosecution of work on said mining claims and shall keep posted notices of non-liability as provided by law, which notices shall be furnished by first parties. Second party further agrees that all mining operations on said property shall be conducted in a good miner-like fashion and in compliance with all state and federal laws, rules and regulations pertaining to the mining industry. Second party further qgrees to comply with the rules and regulations of the state industrial commission pertaining to insurance of emplyees.

5. Second party agrees to perform all assessment work necessary to hold the unpatented mining claims embraced in this agreement and file all necessary affidavits of such assessment work on or before June 1st of each year during the term of this lease.

6. All machinery, equipment or other personal property placed upon the property described herein by second party shall be and remain the property of second party and second party shall have the right to remove such machinery, equipment or personal property within 60 days after the termination of this lease and option. It is understood and agreed, however, that second party shall not remove any rails or timbers from the underground workings of said mining claims.

7. First parties shall have the privilege of entering upon said mining property for the purpose of inspection and to perform all necessary assessment work when such assessment work is necessary to prevent the forfeiture of said claims.

8. If second party shall fail to perform the covenants imposed upon it by the terms hereof as and within the time provided by this instrument, then at the option of first parties after 30 days written notice mailed to second party at Bumble Bee, Arizona, this lease and option may be forfeited and annulled and all payments made hereunder by second party to first parties and shall be held and considered as rentals under this agreement.

9. This lease and option shall be assignable and either of the parties hereto may assign all or any portion of his or its interest under this agreement to any person or corporation. The terms hereof shall be binding upon the parties hereto, their heirs, executors, administrators and assigns.

IN WITNESS WHEREOF, the parties have hereunto set their hands as of the day and year first above written.

THEODORE SCHUTZ

LAURA SCHUTZ

JOSEPH E. SYLVIA

MARY SYLVIZ

FIRST PARTIES

J L MINING COMPANY

by J L HATCHETT
President

Attest:

W. A. PAYNE
Secretary

Second Parties

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) SS.
COUNTY OF YAVAPAI)

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In witness whereof I hereunto set my hand and official seal.

Laura R. Upton
Notary Public

SEAL

My commission expires:

Oct. 25, 1954

STATE OF ARIZONA)
) SS.
COUNTY OF YAVAPAI)

On this the 10th day of November, 1950, before me, the undersigned officer, personally appeared J. L. HATCHETT and W. A. PAYNE, who acknowledged themselves to be the president and secretary, respectively, of J. L. MINING COMPANY, a corporation, and that they, as such president and secretary, being authorized so to do, executed the foregoing instrument for the purposes therein contained by signing the name of the corporation by themselves as president and secretary.

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THEODORE SCHUTZ

LAURA SCHUTZ

JOSEPH E. SYLVIA

MARY SYLVIZ

FIRST PARTIES

J L MINING COMPANY

by J L HATCHETT
President

Attest:

W. A. PAYNE
Secretary

Second Parties

STATE OF ARIZONA)
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COUNTY OF YAVAPAI)

On this the 10th day of November, 1950, before me, the undersigned officer, personally appeared THEODORE SCHUTZ, LAURA SCHUTZ, JOSEPH E. SYLVAI and MARY SYLVIA, known to me to be the persons whose names are subscribed to the within instrument and acknowledged that they executed the same for the purposes therein contained,

In witness whereof I hereunto set my hand and official seal.

Laura R. Upton
Notary Public

SEAL

My commission expires:

Oct. 25, 1954

STATE OF ARIZONA)
) SS.
COUNTY OF YAVAPAI)

On this the 10th day of November, 1950, before me, the undersigned officer, personally appeared J. L. HATCHETT and W. A. PAYNE, who acknowledged themselves to be the president and secretary, respectively, of J. L. MINING COMPANY, a corporation, and that they, as such president and secretary, being authorized so to do, executed the foregoing instrument for the purposes therein contained by signing the name of the corporation by themselves as president and secretary.

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Laura R. Upton
Notary Public

SEAL

My commission expires:

Oct. 25, 1954

Phoenix, Arizona.

J. L. MINING COMPANY INC.
PHOENIX, ARIZONA.

BALANCE SHEET — JUNE 30, 1951

ASSETS

BANK		$ 275.82
DEPOSITS RETURNABLE		310.00
MINING LEASES		28,500.00
MINING PROPERTY		1,000.00
BUILDINGS		465.00
MACHINERY AND EQUIPMENT		8,821.45
MINING DEVELOPMENT COSTS		
OPERATIVE COSTS		
SUPPLIES	$ 3,202.32	
ENGINEER'S FEES	2,147.00	
GAS, OIL AND GREASE	2,075.50	
INSURANCE	558.54	
INTEREST AND BANK CHARGES	102.20	
LICENSES AND FEES	407.44	
MACHINERY PARTS	2,429.83	
MINING TOOLS	2,973.34	
MINING MATERIALS	3,467.90	
OFFICE AND LABORATORY	946.37	
SUPERINTENDENT "OFFICER"	9,578.47	
REPAIRS AND MAINTENANCE	2,261.81	
RENT	4,000.00	
SOCIAL SECURITY TAX	253.85	
TAXES	159.84	
TRAVEL	1,244.06	
WAGES	17,826.12	
EMPLOYEE'S SUBSISTENCE	316.86	
EXPLORATION EXPENSE	4,219.50	
	$ 58,170.95	
ADMINISTRATIVE COSTS		
ACCOUNTING	878.27	
COMMISSIONS PAID	7,291.00	
OFFICER'S SALARIES	8,204.00	
ORGANIZATION COSTS	282.63	
DOCUMENTARY STAMPS	100.50	
LEGAL	3,445.00	
	$ 20,201.40	78,372.35
ORGANIZATION COSTS		6,034.51
TOTAL ASSETS		$ 123,779.13

LIABILITIES AND CAPITAL

ACCOUNTS PAYABLE, W. A. PAYNE		$ 338.81
CONTRACTS PAYABLE		
VALLEY NATIONAL BANK	$ 213.90	
WALSH BROTHERS	84.72	
STATE TRACTOR & EQUIPMENT COMPANY	1,541.81	
WHYMAN & McCARTHY	3,000.00	4,840.43
LOANS PAYABLE		
C. L. DAWSON	$ 100.00	
C. L. COY	500.00	600.00
TAXES ACCRUED		429.89
TOTAL LIABILITIES		$ 6,209.13
CAPITAL STOCK ISSUED		109,686.00
TREASURY STOCK		7,884.00
TOTAL LIABILITIES AND CAPITAL		$ 123,779.13

RESPECTFULLY SUBMITTED,

J. L. MINING COMPANY INC.,
(Arizona Corporation)

Phoenix, Arizona.

J. L. MINING COMPANY INC.
PHOENIX, ARIZONA.

BALANCE SHEET — JUNE 30, 1951

ASSETS

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	$ 58,170.95		
ADMINISTRATIVE COSTS			
ACCOUNTING	878.27		
COMMISSIONS PAID	7,291.00		
OFFICER'S SALARIES	8,204.00		
ORGANIZATION COSTS	282.63		
DOCUMENTARY STAMPS	100.50		
LEGAL	3,445.00		
	$ 20,201.40		78,372.35
ORGANIZATION COSTS			6,034.51
TOTAL ASSETS			$ 123,779.13

LIABILITIES AND CAPITAL

ACCOUNTS PAYABLE, W. A. PAYBE			$ 338.81
CONTRACTS PAYABLE			
VALLEY NATIONAL BANK	$ 213.90		
WALSH BROTHERS	84.72		
STATE TRACTOR & EQUIPMENT CO.	1,541.81		
WHYMAN & McCARTHY	3,000.00		4,840.43
LOANS PAYABLE			
O. L. DAWSON	$ 100.00		
C. L. COY	500.00		600.00
TAXES ACCRUED			429.89
TOTAL LIABILITIES			$ 6,209.13
CAPITAL STOCK ISSUED			109,686.00
TREASURY STOCK			7,884.00
TOTAL LIABILITIES AND CAPITAL			$ 123,779.13

RESPECTFULLY SUBMITTED,

J. L. MINING CO. INC.,
(Arizona Corporation)

Phoenix, Arizona

J. L. MINING COMPANY, INC.
PHOENIX, ARIZONA.

BALANCE SHEET — JUNE30, 1951

ASSETS

BANK		$ 275.82
DEPOSITS RETURNABLE		310.00
Mining LEASES		28,500.00
MINING PROPERTY		1,000.00
BUILDINGS		465.00
MACHINERY AND EQUIPMENT		8,821.45
MINING DEVELOPMENT COSTS		
OPERATIVE COSTS		
SUPPLIES	$ 3,202.32	
ENGINEER'S FEES	2,147.00	
GAS, OIL AND GREASE	2,075.90	
INSURANCE	558.54	
INTEREST AND BANK CHARGES	102.20	
LICENSES AND FEES	407.44	
MACHINERY PARTS	2,429.83	
MINING TOOLS	2,973.34	
MINING MATERIALS	3,467.90	
OFFICE AND LABORATORY	946.37	
SUPERINDENT "OFFICER"	9,578.47	
REPAIRS AND MAINTENANCE	2,261.81	
RENT	4,000.00	
SOCIAL SECURITY TAX	253.85	
TAXES	159.84	
TRAVEL	1,244.06	
WAGES	17,826.12	
EMPLOYER'S SUBSISTENCE	316.86	
EXPLORATION EXPENSE	4,219.50	
	$ 58,170.95	
ADMINISTRATIVE COSTS		
ACCOUNTING	878.27	
COMMISSIONS PAID	7,291.00	
OFFICER'S SALARIES	8,204.00	
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J. L. MINING CO. INC.,
(Arizona Corporation)

Phoenix, Arizona

J. L. MINING COMPANY, INC.
PHOENIX, ARIZONA.

BALANCE SHEET — JUNE 30, 1951

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TOTAL LIABILITIES AND CAPITAL		$ 123,779.13

RESPECTFULLY SUBMITTED,

J. L. MINING CO. INC.,
(Arizona Corporation)

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

224 New Customhouse
Denver 2, Colorado

Reviewed by Dmea Operating Com 11/28/51 JHB.

November 14, 1951

Memorandum

To: Executive Secretary, Defense Minerals Administration

From: DMA Field Team, Region IV

Subject: Final Report, DMA docket 2066, J. L. Mining Company, Silver Queen Lead-Zinc Mine, Yavapai County, Arizona

Enclosed herewith are the original and two copies of the report on the subject docket.

We concur with the conclusions and recommendations of the examining team that the exploration loan of $100,000 be denied.

The brochure is enclosed.

J. H. East, Jr.

A. H. Koschmann

NOV 23 9 28 AM '51
WASHINGTON, D. C.

Mining Division
Region IV

November 14, 1951

Memorandum

To: DMA Field Team, Region IV

From: Chief, Mining Division, Region IV

Subject: Final Report, DMA Docket 2066, J. L. Mining Company, Silver Queen Lead-Zinc Mine, Yavapai County, Arizona

The application of the subject docket was for an exploration loan of $100,000.

The proposed exploration program consisted of sinking the present shaft from 200 feet to 800 feet, with 200 feet of drifting on the 600-foot level.

The mineralization at the mine consists of sphalerite and galena occurring in a fault gouge as widely scattered veinlets, usually less than ½ inch thick and not over 2 feet in length. There are no measured nor indicated reserves, and the apparent grade of the "ore" is less than 0.5 percent combined lead and zinc.

There is no reason to expect that better ore will be found by exploration.

The examining team recommends denial of the application, with which we concur.

W. H. King

W. H. King for
Paul T. Allaman

Mining Division
Date Rec'd.
NOV 9 1951
BUREAU OF MINES
Denver, Colorado

November 7, 1951

Memorandum

To : Paul T. Allaman, Denver, Colorado

From : Chief, Arizona-New Mexico Br., Mining Div., Region IV

Subject: Final Report, DMA Docket 2044, J. L. Mining Company's Silver Queen Lead-Zinc Mine, Yavapai County, Ariz.

Enclosed are original and 7 copies of the section on Summary, Conclusions and Recommendations by J. N. Faick of the Geological Survey and T. M. Romslo of the Bureau of Mines, and the section on Engineering by Romslo for the above report. The section on Geology will be submitted by the Geological Survey.

This report has my approval.

Brochure is enclosed.

Walter R. Storms

CC: P. T. Allaman (7)
C. A. Anderson
DMA-2044
DF

WRStorms:als

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

200 New Customhouse
Denver 2, Colorado

November 8, 1951

Memorandum

To: DMA Field Team, Region IV

From: A. H. Koschmann

Subject: DMA Docket 2066, Silver Queen Mine (Lead-Zinc), J. L. Mining Company, Yavapai County, Arizona

Enclosed are the original and 7 copies of the geologic report by J. N. Faick of the U. S. Geological Survey covering the above docket. It has been recommended that the loan be denied.

A. H. Koschmann
A. H. Koschmann
Supervising Geologist
Colorado-Wyoming

Enclosures (8)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
P.O.Box 4126, University Station
Tucson, Arizona

November 6, 1951

Memorandum

To: Field Team, Region IV, Denver, Colorado
Through: Mr. A. M. Keschmann

From: Mr. A. F. Shride, Tucson, Arizona

Subject: Geologic Report, DMA 2066, Silver Queen Mine (Lead-Zinc), J. L. Mining Company, Yavapai County, Arizona

Enclosed are the original and 7 copies of the above report by J. H. Faick of the Geological Survey.

This report and the recommendation that an exploration loan be denied, because the presumed ore body contains only sparsely scattered sulfides and there is no geologic expectation of improvement with depth, have my approval.

A. F. Shride
Acting District Supervisor
Arizona-New Mexico

Enclosures 8

UNITED STATES
DEPARTMENT OF THE INTERIOR
OSCAR L. CHAPMAN, SECRETARY

DEFENSE MINERALS ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM
REGION IV

DMA-2066, J. L. Mining Company's Silver Queen Lead-Zinc Mine Yavapai County, Ariz.

John N. Faick, Geologist
U. S. Geological Survey

T. M. Romslo, Mining Engineer
U. S. Bureau of Mines

November 1951

als

SUMMARY, CONCLUSIONS AND RECOMMENDATIONS

By John N. Faick[1] and T. M. Romslo[2]

The Silver Queen lead-zinc mine, Yavapai County, Ariz., was examined in connection with a request for Governmental assistance by the J. L. Mining Co., 1812 E. McDowell Road, Phoenix, Ariz. The examination was made in October 1951 by the Defense Minerals Administration, under docket DMA-2066, as part of its program authorized by the Defense Production Act of 1950.

The company proposed to expend an estimated $100,000 on a program designed to find substantial reserves of lead-zinc ore. The program involved the deepening of a shaft from 200 to 800 feet and the driving of 200 feet of drifts from the shaft on levels to be established at 100-foot intervals. The company indicated a willingness to finance 50 percent of the cost of the project.

The property was explored by several shallow surface workings and a 100-foot shaft prior to 1947. Since 1947 the shaft has been deepened to 210 feet and about 100 feet of lateral workings have been driven on the 115-foot level. A few hundred pounds of sorted lead-zinc ore probably represents the total production of this type of ore. A little high-grade silver ore may have been produced from the surface workings during the early 1900's.

Yavapai schist and Bradshaw granite, both of Pre-Cambrian age, and hornblende diorite are the outcropping rocks on the property, the schist being the dominate rock. The mine is developed along a steep dipping fault in this schist.

1/ Geologist, U. S. Geological Survey
2/ Mining Engineer, U. S. Bureau of Mines

Ore mineralization, as sphalerite and galena, is confined to a few widely scattered, discontinuous stringers that generally are less than ½ inch thick and only a few inches long. Six samples, taken in the shaft and lateral workings, indicate that the average lead-plus-zinc content of the deposit is less than 0.5 percent.

At present the mine is inactive but the company intends to renew exploratory work as soon as funds are available from the sale of stock. The mine is equipped to carry out this work.

Ore mineralization, that has been explored by the mine workings, is meager, less than 0.5 percent of combined lead and zinc. Furthermore there is no reason to expect that minable ore will be found in the unexplored part of the deposit. Therefore, it is recommended that the application for an exploratory loan be denied because the deposit contains no measured nor indicated ore reserves and because the possibilities of discovering ore are unfavorable.

Memorandum Report on Geology of the Silver Queen Mine
Yavapai County, Arizona
DMA 2066 - Lead-Zinc

The Silver Queen Lead-Zinc Mine lies on the eastern slope of the Bradshaw Mountains about 2 miles west of the well known Iron King Mine. The mine is in an area of Yavapai schist, which locally varies considerably in character. The dominant rock type is fine-textured, siliceous, silvery-gray phyllite or sericite schist. This rock has pronounced foliation, which at the mine strikes N. 28° E. and dips about 60° to the west. The sericite schist is gradational into other rock types, most of which are quite granular and crudely banded gneisses. It is thought that the Yavapai schist in the vicinity of the Silver Queen Mine represents intensively metamorphosed extrusive igneous rocks such as andesites, rhyolites, basalts, and tuff beds.

About 1000 feet north and northwest of the mine is an area underlain by medium grained equigranular granite. It is relatively fresh and unaltered in appearance and is thought to be intrusive into the Yavapai schist. An elongate body of hornblende diorite, thought to be a dike, is exposed on a small hill about 150 feet east of the mine. Exposed in the hanging wall, about 20 feet from the vein, is a dark greenish-black rock that may be a basaltic dike.

The Silver Queen Mine is developed on a fault that is parallel to the schistosity of the country rock. The fault has been explored along the dip by a 210 foot inclined shaft and by 3 short drifts and two short crosscuts. At the time of this examination only the upper 155 feet of shaft and about 105 feet of drifts and crosscuts on the 115 level were accessible.

The fault zone developed by these workings is covered by alluvium and can be traced only for a few feet on the surface where it appears to have been prospected for oxidized gold and silver ores. In the mine the fault is a zone ranging from 2 to 6 feet in thickness and averaging about 4 feet between walls. It is filled with gouge and brecciated wall rock. The breccia fragments show moderate hydrothermal alteration, and most of the fault gouge has been completely altered. Hydrothermal alteration, with decreasing intensity, extends into the hanging wall for about 10 feet and into the foot wall for about 2 feet. The fault zone has been slightly discolored by supergene solutions which have oxidized most of the available pyrite and deposited a thin coating of limonite.

Mineralization along the fault zone consists of sparse sphalerite and galena. A few veinlets, usually less than ½ inch thick and a few inches long, occur in the fault gouge and spherical masses of sphalerite and galena as large as two inches in diameter were found on the dump. The examining engineers took no samples but assays are available on 6 samples taken by George B. Botsford, Consulting Mining Engineer and Geologist, who prepared a report on the mine for the applicant.

The assays of samples taken by Mr. Botsford are given below:

No.	Location	Ag in ounces	Pb in percent	Zinc in percent
1.	Breast N. drift - 115 level	8.8	0.20	0.40
2.	Breast S. drift - 115 level	0.60	0.10	0.20
3.	Shaft at 145 ft. deep	0.40	0.10	0.10
4.	Shaft at 167 ft. deep	0.40	0.10	0.20
5.	Drill hole in shaft at 150 ft.	0.60	0.20	0.10
6.	Drill hole in shaft at 150 ft.	0.80	0.10	0.10

These samples appear to be representative of the deposit, and no commercial grade ore has yet been found. According to the applicants, the geologic structure and degree of mineralization are essentially the same in the flooded portions of the mine as in the accessible portions. The prospect has been adequately explored by the shaft, drifts, and crosscuts and there has been no apparent change in character of the deposit to the depth of 210 feet. There is no reason to expect improvement at greater depths; therefore, additional exploration seems unjustified.

It is recommended that the application for an exploration loan be denied.

J. L. MINING COMPANY'S
SILVER QUEEN LEAD-ZINC MINE
YAVAPAI COUNTY, ARIZ.
DMA-2066

Engineering Report

By T. M. Romslo,
Mining Engineer
U. S. Bureau of Mines

November 1951

J. L. MINING COMPANY'S
SILVER QUEEN LEAD-ZINC MINE
YAVAPAI COUNTY, ARIZ.
DMA-2066

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Physical features and climate	2
History and production	2
Property and ownership	3
Geology and deposit	3
Present status	5
Conclusions	6
Recommendations	6

ILLUSTRATIONS

Figure	Following page
1 Location map	1

INTRODUCTION

The Silver Queen lead-zinc mine, Yavapai County, Ariz., was examined in connection with an application by the J. L. Mining Co. for Governmental aid on a proposed exploratory project. The examination was made by the Defense Minerals Administration, under docket DMA-2066, as part of its program authorized by the Defense Production Act of 1950. This report contains information obtained during the investigation, and presents conclusions and recommendations regarding the merits of the proposed operations.

The company proposed to enlarge and re-timber the upper 100 feet of a 210-foot shaft, to sink the shaft to the 800-foot level and to drive 200 feet of drifts on levels to be established at 100-foot intervals. Estimates prepared by the applicant indicated that the work could be completed in one year at a cost of $100,000. The application stated that the company was prepared to finance the project in accordance with regulations governing Governmental aid on exploratory projects.

The examination was made October 29 and 30, 1951, by J. N. Faick, Geological Survey, and T. M. Romslo and B. C. Brown, Bureau of Mines. The engineers were accompanied during the field examination by W. S. Ballard, president of the J. L. Mining Co.

LOCATION AND ACCESSIBILITY

The property is 5.2 miles by road from the village of Humbolt, Ariz. (fig. 1). Humbolt is a station on a spur line of the Santa Fe Railroad and also is serviced by State Highway 69. The mine can be

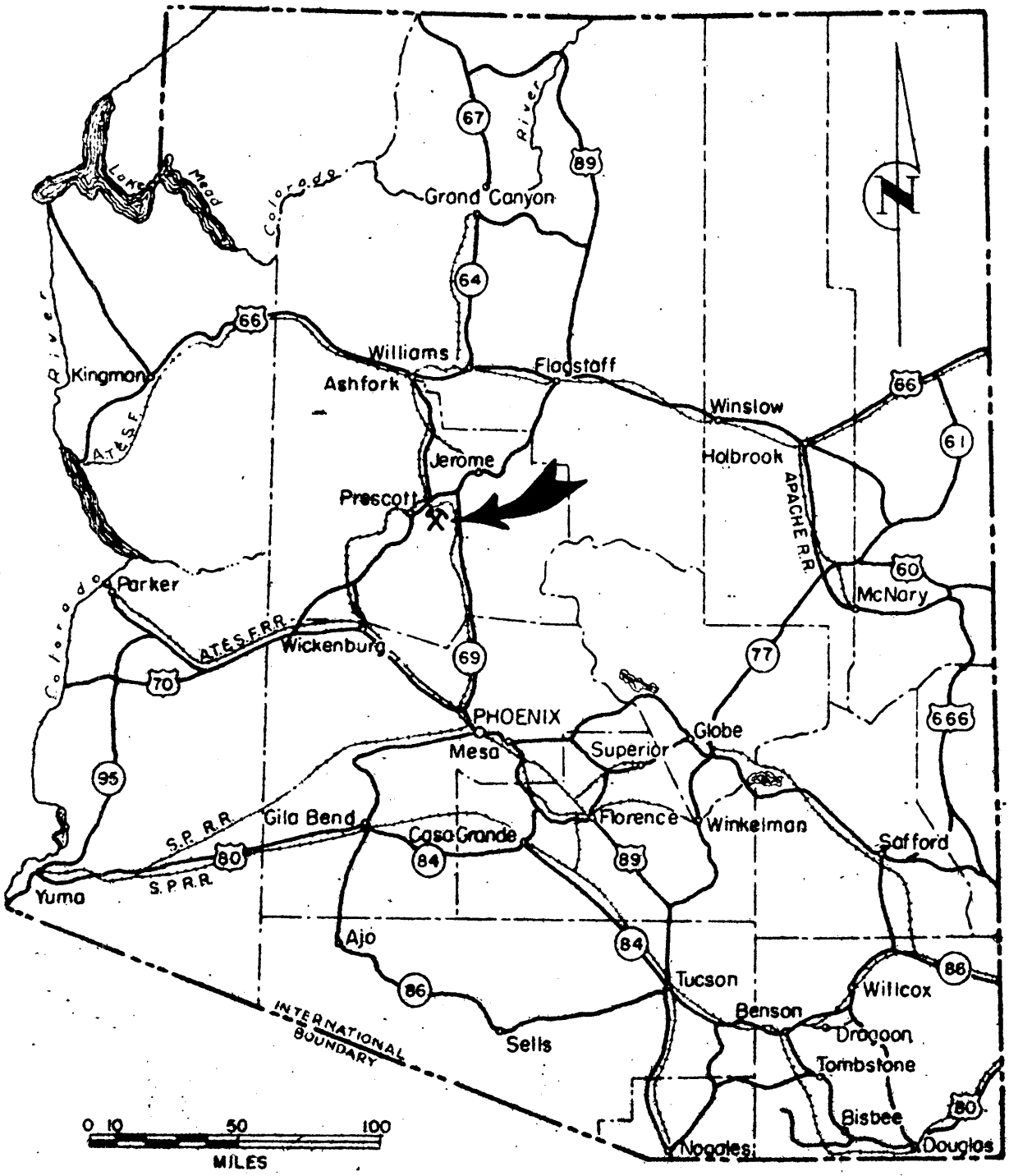

Figure 1. Location Map, J. L. Mining Co., Silver Queen Mine, Big Bug Mining District, Yavapai County, Arizona

D. M. A. 2066

reached from Humbolt by traveling 0.5 miles south on the highway to a road junction designated by a sign marked "Iron King Mine". This branch road leads to the Silver Queen mine. It passes the office of the Iron King mine and then forks at 5 places. The road to be taken at each fork is signed "J. L. Mining Company".

PHYSICAL FEATURES AND CLIMATE

The property is on the northwest slope of the Bradshaw Mountains. It is in an area of moderately rugged topography and has an average altitude of about 5,000 feet.

The climate is characteristic of the intermediate altitudes of northern Arizona. Days are hot and nights are pleasant during the summer. Winters are mild. Precipitation is confined to heavy rainfalls during a few months of the summer and consists of light rainfalls and snowfalls during the winter.

Vegetation consists of a heavy growth of several varieties of shrubs.

HISTORY AND PRODUCTION

There is no available information on the early history of the property. Until 1947 it had been developed by a 100-foot shaft and several small pits and trenches. The owners deepened the shaft 80 feet and drifted on the 115-foot level in 1947. The mine then lay idle until 1951 when the J. L. Mining Co. gained control of the property. This company started sinking operations and had the shaft bottom at 215 feet on October 29, 1951.

Information obtained during the DMA investigation indicates that the total production of lead-zinc ore is represented by a few hundred pounds of sorted material that is stored near the shaft. A very small amount of high-grade silver ore is reported to have been produced from shallow surface workings during the early 1900's.

PROPERTY AND OWNERSHIP

The property comprises a group of 11 lode mining claims, 3 of which have been patented, in secs. 17, 18, and 19, T. 13 N., R. 1 E., Big Bug Mining District, Yavapai County, Ariz. It is held by the J. L. Mining Co., 1812 E. McDowell Road, Phoenix, Ariz., under a lease and option agreement with the owners, Mr. and Mrs. Theo Scutz and Mr. and Mrs. Joe Sylvia, Humbolt, Ariz. The agreement is for a period of 10 years from January 1951 and calls for royalty payments of 10 percent on net smelter returns from ores produced from the property.

The J. L. Mining Co. is incorporated in Arizona. It has an authorized capital of $1,500,000 divided into 1,500,000 shares of par value of $1.00 each. The company was authorized in 1948 to sell 300,000 shares. Officers of the company include W. S. Ballard, President, and Burton B. Dakin, Secretary and Treasurer.

GEOLOGY AND DEPOSIT

Pre-Cambrian Yavapai schist, probably of igneous origin, is the predominate rock on the property. Bradshaw granite, also of Pre-Cambrian age, intrudes the schist and crops out over a wide area along the northwest side of the property. It also occurs as scattered small outcrops

in the vicinity of the mine. Other exposed rocks appear to be confined to hornblende diorite that occurs near the mine as an elongate body, probably a dike. A fault, striking N. 28° E. and dipping about 60° to the west, cuts the schist at the shaft. It can be traced for a few feet and then is obscured by the mine dump and alluvium.

The mine workings follow the fault which parallels the schistosity of the country rock. The fault zone, filled with gouge and brecciated wall rock, varies in width from 2 to 6 feet. A cross-cut into the hanging-wall on the 115-foot level has exposed a basaltic rock.

Sphalerite and galena were the only ore minerals noted in the underground workings. They occur in the fault gouge as widely scattered veinlets, usually less than ½ inch thick and generally not more than 1 foot in length. The assays of 6 samples taken by George B. Botsford, Consulting Mining Engineer and Geologist, probably represent the degree of mineralization. Botsford examined the mine for the applicant and a copy of his report was loaned to the examining engineers. The assays of his samples follow.

No.	Location	Silver, ounces	Lead, percent	Zinc, percent
1	Breast N. drift-115 level	8.8	0.20	0.40
2	Breast S. drift-115 level	0.60	0.10	0.20
3	Shaft at 145-feet deep	0.40	0.10	0.10
4	Shaft at 167-feet deep	0.40	0.10	0.20
5	Drill hole in shaft at 150 ft.	0.60	0.20	0.10
6	Drill hole in shaft at 150 ft.	0.80	0.10	0.10

There was no apparent change in the rock, structure, and degree of mineralization from the 115-foot level to the bottom of the shaft, according to the president of the company.

PRESENT STATUS

General

Shaft-sinking operations, that were halted a few months ago, are expected to be renewed as soon as additional funds can be obtained through the sale of stock. In the meantime, equipment is being maintained in working order by a caretaker who lives on the property.

Mine Workings

The principal workings consist of a 210-foot inclined 1½-compartment shaft with lateral workings on the 115-foot level. This level is developed by a drift to the north for 52 feet and a 15-foot drift to the south. The foot-and hanging walls at the south drift each have been cut by a cross-cut about 20 feet long. Water stands in the shaft at a depth of about 155 feet from the surface.

Surface Plant and Equipment

Living quarters on the property consist of a 20-by 20-foot garage-type building and an automobile trailer. Other structures are a small "A-type" headframe and 2 sheds. The mine hoist is installed in one of the sheds, and equipment and supplies are stored in the other building.

The major mining equipment items are a 315 cfm compressor, an air-driven hoist, 2 sump pumps, an air blower, and 3 jackhammers. Other items include blacksmith and welding equipment, a 105 cfm compressor, and oil and water storage tanks. Small tools, drill accessories, mine rails, and timber also are stored at the mine.

CONCLUSIONS

Lead-zinc mineralization is confined to a few widely scattered, discontinuous quartz stringers. The average grade of the deposit as represented by 6 samples is less than 0.5 percent of combined lead and zinc, and less than one ounce of silver a ton.

The deposit contains no measurable nor indicated ore. Furthermore there are no criteria that would justify further exploration.

RECOMMENDATIONS

It is recommended that the application for an exploratory loan at the Silver Queen mine be denied because the developed portion of the deposit is nearly barren of ore mineralization and because there is no reason to indicate minable ore will be encountered at greater depths.

UNITED STATES
DE ARTMENT OF THE INTERIOR
DEFE SE MINERALS ADMINISTRATION
WASHINGTON, D. C.

SEP 19 1951

REGIONAL DIRECTOR'S OFFICE
REGION IV
SEP 20 1951
BUREAU OF MINES
DENVER, COLORADO

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

SEP 19 1951

Dear Sir:

We attach "Revi w of Application for Exploration Assistance" on:

Docket No. DMA-2066

Commodity Lead-zinc

Applicant Mr. Barton B. Dakin, J. L. Mining Co. Inc.
1812 E. McDowell Rd. Phoenix 22, Arizona

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

Very truly yours,

Sam Lyon
Chairman
Coordinating Committee

Lowell B. Moon
For Bureau of Mines

T. P. Thayer
For Geological Survey

6/5/51

Defense Minerals Administration

Review of Application for Exploration Assistance

Docket No. DMA-2066

Commodity Lead-zinc

Total Amount $100,000

Govt. Participation $50,000 - 50%

1. Name and Address of Applicant Mr. Barton B. Dakin, J. L. Mining Company, Inc. 1812 E. McDowell Rd. Phoenix 22, Arizona

2. Location of Property Big Bug Mining District T 13 N. R. 1. E., S 18, 19 Yavapai County, Arizona

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

If not, application will be rejected.

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

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

a) Good

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? No
(question 5, 6, 7)*

6. If applicant is a lessee, is a copy of the lease attached? No. Letter sent requesting same

Does the lease have sufficient time to run to cover a future productive period? Don't know

*question numbers are those of MF-103

7. Are subordination agreements necessary? Yes

a) MF-201? _____

b) MF-202 _____

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

a) Available manpower Don't know

b) Equipment and supplies Don't know
(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? Yes (a) and (b)

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

_____

Is a field check needed on this point? No

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

a) Is the project adequately described? Yes

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

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

_____

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

If not, what part of it is? _____

_____

_____

_____

Is this part a worthwhile exploration project?_____

d) Are the cost estimates detailed? No

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

e) Are the cost estimates reasonable?_____

f) Should more information be requested from applicant?_____

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

11. Exhibit B (question 23-d)*

a) Is it applicable? Yes

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

c) Is a field check needed? Yes

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

a) Is it applicable? Yes

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

c) Are rents and charges reasonable?_____

d) Is a field check needed? Yes

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

a) Are there sufficient data?_____

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

c) Is the schedule excessive for the work proposed?_____

d) Are the proposed wages and salaries reasonable?_____

e) Is a field check needed? Yes

14. Exhibit E (question 23-c)*

a) Is it applicable? Don't know

b) Sufficient data?

c) Reasonable?

d) Field check needed? Yes

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 question? Examination required to determine whether proposed work is justified. It is possible that project can be modified and costs reduced. Does applicant understand that he cannot be given credit for past expenditures on the project?

Reviewed by: E. L. Newcomb GS

Date 9-14-51

INT.-DUP. SEC., WASH., D.C. 99009

Form MF-163
(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. DM A2066

Date received 9-10-51

Participation

DEFENSE MINERALS ADMINISTRATION WASHINGTON, D. C.
SEP 10 1 35 PM '51

J. L. Mining Co., Inc.
1812 E. McDowell Road
Phoenix 22, Arizona

Name and address of applicant

Date August 24, 1951

FILL IN THIS BLOCK

Date of application August 24, 1951

Estimated cost $100,000.00

Mineral or metal Lead, Zinc.

Percentage of Government participation $50,000.00

Location of mine Big Bug Mining District
Yavapai County, Arizona

Date of filing MF-100 May 15, 1951

DMA Docket Number, if available ~~#0281~~ DM A2066

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.

THE J. L. MINING COMPANY, INC. (Name of company) By Barton L. Baker (Signature of authorized official)

September 6, 1951 (Date) Secy. - Treasurer (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

1. Corporation - Form M.F. 100
2. Form M.F. 100
3. Form M.F. 100
4. Form M.F. 100
5. Form M.F. 100
6. - - - -
7. Copy attached
8. Copy attached
9. (a) Applicant has put in $47,295.00 in cash and $60,036.00 in service, Commissions and Compensation. (b) Yes. (c)
10. (a) Eleven claims (3 patented and balance of claims not patented. Shaft is 205 feet at the present writing, also on the 115 foot level the drift to the north is 52 feet long. The drift is joined by a crosscut seventeen feet to the east and by another cross cut thirteen feet to the west where the Yavapai Schist contacts the Diorite Dike.
(b) Big Bug Mining District, Yavapai County, Arizona. Sec. 17,18,19 & 20 So. 88° - 48' E - No. 88° - 41' W
11. Present name - Silver Queen Group (Form M.F. 100)
12. Form M.F. 100
13. Form M.F. 100
14. Form M.F. 100
15. Form M.F. 100 - Truck haul four miles to railroad. Copper ore can be shipped to Phelps Dodge at Douglas, Arizona or to Superior Mine at Superior, Arizona. Lead ores can be shipped to the American Smelting and Refining Company at El Paso, Texas. The Zinc ores can be shipped to the U. S. Smelting & Refining Smelter at Salt Lake City, Utah.
16. (a) Shaft was sunk 80 feet in 1947. Very good assays were taken of lead and zinc. Reason for suspension of operation, lack of money.
(b) The McCabe-Gladstone Mine lies one and one-half miles south and a little east of the Silver Queen Mine. Reported production is from two and one-half to three million dollars. The vein lies in the Yavapai Schist. The Union Mine is about two miles from the Silver Queen Group. Its vein is a glassy quartz carrying pyrite, sphalerite and galena, also high values in Gold and Silver. The vein lies in the Yavapai Schist. The Little Jessie Mine lies near the Silver Queen Mine and its production amounted to about seven hundred and fifty thousand dollars. The vein lies in the Yavapai Schist. The Iron King Mine lies approximately two miles east from the Silver Queen Mine. This mine is one of the largest zinc and lead producers in the state. The vein lies in the Yavapai Schist. They are now mining at about 1600 feet in depth, producing 17,000 to 18,000 ton per month.
(c) Prospectus enclosed.
17. Form M.F. 100
18. Form M.F. 100
19. - - - -
20. Lead, zinc and copper. The ore should resemble the ore found in the Iron King Mine.
21. (a) Proposed to sink 800 feet, then drift 100 feet each way.
(b) Proposed work should take 12 months.
22. In the Silver Queen Mine area we find a granite intrusion covering from fifteen to twenty acres, beginning about 1,200 feet north of the Silver Queen shaft and extending north several hundred feet and to the west about halfway up the north end of the small mountain, which lies to the west of the shaft. Quartzite shows on the south end of this mountain, and it extends about three quarters of the distance down the east slope of the mountain, toward the mine shaft where it contacts a very coarse grained quartz, Yavapai Schist. This continues down the hill where it merges into a typical fine grained Yavapai Schist. The Yavapai Schist extends to a diorite dike about fifty feet wide which parallels and contacts the Silver Queen. Mine mineralized zone vein system. The mineralized zone ranges from fourteen to twenty feet wide, extending north and south from Silver Queen Shaft and continues to and beyond the Iron King Mine. The mineralized zone in the shaft shows plainly and it continues on a sixty-eight to seventy degree dip to the bottom of the shaft, which at the time of this writing is 205 feet on the incline.

23. (a) Labors (Miners - (4) @ $1.50 per hr.
(Muckers -(8) 1.25 per hr.
(Hoistmen-(2) 1.25 per hr.

(b) Supervisors Operating Supt. (1) @ $450.00
Mine Supt. (1) 450.00
Night Foremen (1) 14.00 - 8 hr.
Day Foremen (1) 14.00 - 8 hr.

? - too much brass

(c) Enlarge shaft from surface to 100 ft. level and retimber $2000.00
(d) (1) No buildings
(2) Pumping station at 200 ft. level $500.00
(e) Pump and engine $8000.00
(f) None
(g) None
(h) Powder - Caps - etc. $4000.00
Timbers - Laging, etc. 4500.00
Gas and oil 6200.00
(I) None

24. Expect to sink a 4' X 7' inside diameter shaft at the rate of 6 ft. per day, working two shifts 8 hrs. each. Also drift north and south on the vein, 100 ft. each way, at each level, 100 to 800 foot level. This work should cost - $75,000.00

Form MF-100
(March 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Form approved.
Budget Bureau No. 42-R1026.

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

NOT TO BE FILLED IN BY APPLICANT

Docket No.

Date received DMA 02-81

47226

J. L. Mining Co. Inc.
522 No. First Street,
Phoenix, Arizona.

Name and address of applicant

Date May 15, 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) 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? Lead, Zinc.
   (b) What are the byproducts, if any? Copper, Silver and Gold.
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. 148 feet
   (b) Linear feet of drifts and crosscuts. 112 feet
   (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. (some water) (3 g.p.m.) (60 g.p.m.)
3. For each operation listed above supply the following:
   (a) Distance and direction from nearest town and shipping point. -- 4 miles.
   (b) Mining district. ----Big Bug.
   (c) Township, Section, Range. ----T13n - R1E-S18, 19 G&SRB&M.
   (d) County, State. ------ Yavapai Arizona.
4. (a) State whether or not property is now in operation, and if in operation, by whom operated. ---(yes) (J.L.Mining Co.)
   (b) Are you operating this property as:
   - ☐ Owner.
   - ☒ Lessee.
   - ☐ Contractor.
5. Number of years in production not in production.
   If not in production or operation, estimated date when production will begin 12 months
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. ---- see attached sheet.
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. --- do not know. (Mon King) (18000 tons per.mo)
   (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. Assays show better than 10% Lead and Zinc)

16—63792-1

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)
J. L. Hatchett (D) I009 Brill St. Phoenix, Ariz.	President	$105.00	----		I0000	------	-----
W. Frank Jones 98 West Culver St. Phoenix, Ariz.	Secre-Treas.	2400 stock	----		4400	------	------
C. Lynn Coy (D) 676 N. St. Clair, Chicago, Ill.		I095* (C)	----		8595	------	------
O. L. Dawson (D) 5237 Mt. Royal Dr. Los Angeles, Calif.		(C)* 5720	----		5720	-----	-----
E. S. Ballard (D) Box 67 Humboldt, Ariz.	-	(S) $I476.6I	---- ----		7000	----	----
W. A. Fayne (D) I028 N. 46th. St. Phoenix, Ariz.		(S) $I093.28	----		I0000	----	----
Carl Mortensen (D) Box 67 Humboldt, Ariz.		(S) $3656.74	----		I782	----	----
Geo. Price (D) I4[illegible] E. I3th St. Pueblo, Colo.		none	----		II00	----	----
	Total		x x x x x			x x x x x	x x x x x

If more lines are needed continue on separate sheet.

Total 48597

* Commission in Stock.

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	$ 500,000	$ 403,663	$ I.00	403,663	None
Preferred stock	$ -----	$ -----	$ -----	------	-------

*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)	-----	-----	-----	-----	-----
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. ----- Geology good - Ore reserve unknown - Same kind of Ore Mined in Iron King.

16—63792-1

(*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)
Measured (proved)	This Mine is a good prospect, Quantity of Ore is unknown at this time. Assays have averaged better than $ 40.00 per. ton, More than 10% Lead and Zinc.				
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:

Give road distances to shipping, supply and residence points, stating kind and condition of roads. --(Good road) (4 miles)

14. Water Supply:

State source and quantity of water available for operations and whether sufficient for all seasons of year. (A)mine) (B)Wells) (C)yes)

15. Power:

State amount of power used, rate per hour, and source thereof. --(Deisel Engine (rate .42 per.hr.)

16. Labor:

State number and classes (miners, muckers, millmen, etc.) of men employed during a recent representative payroll period. (2miners) (2muckers)

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. ----- see attached sheet.

18. Are there any particular conditions or circumstances affecting your operations that are not described above? If so, explain. None.

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.

J. L. Mining Co. Inc.
(Name of company)

By W. Frank Jones
(Signature of authorized official)
W. Frank Jones.
Secretary - Treasurer.
(Title)

May 15, 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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAY 28 1951
LANDON F. STROBEL
Executive Secretary

May 15, 1951.

J. L. Mining Co. Inc.
522 No. First Street,
Phoenix, Arizona.

(6) Experience of Operators.

J. L. Hatchett - President

(25 years) Organization and business Administration with large Corporations, Private and Partnership operations. Operating Supt., Mine and Mill development with some of the major Mining Companies.

W. Frank Jones - Secretary - Treasurer.

(20 years) Organization and business Administration (10) years Sales Mgr. Interstate Engineering Co. Inc. El Segundo California.

A. J. Henry - Operating Supt.

(34 years) Mining and Mill operating, working as Master Mechanic, Foreman and Supt.
Asarco Co.
New Cornelia Copper Co.
Nevada Cons. Copper Co.
Calumet N.M. Mining Co.
Western Knappen Co.
Western Fluerspar Co.

Carl Mortensen - Mine Supt.

(23 years) Experience in mining, working as streight miner, Foreman and Supt.
Victory Co.
French Lilly
Bull Dog
Apche Mail
J; L. Mining Co.

Theo. Schutz - Foreman

(40 years) Working as streight miner, Foreman, Supt., and U.S. Eng.
Fortunate Fields Mining Co.
Murdock State Mine Inspector
Golden Turkey Owner and Operator
Hidden Treasure Mine
Copper Mountain Mine

W. Frank Jones

W. Frank Jones

May 15, 1951

J. L. Mining Co. Inc.
522 No. First Street.,
Phoenix, Arizona.

(17) Equipment and Facilities.

(3) Buildings (new)
315 Deisel Compressor
105 Gas Engine Compressor
Heavy Duty Air Hoist
Gas Engine Hoist
10 ton G.M.C. Truck
Blower
50 Ton Ball Mill
Rock Crusher and Gas Engine
Ore Bucket 650 feet of cable
500 feet of track and dump car
Welding Generator and Welding Equipment
10000 feet of Mine Timbers
550 feet 2 in. pipe
300 feet 1½ in pipe
All small tools required for mining.

W. Frank Jones

W. Frank Jones

FILE COPY
SURNAME:

350

Newcomb (ETM)
McKnight
Bishop
Bellinger
Layer
Moon

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

SEP 19 1951

Re: DMA-2066

A, E, C

Mr. Barton B. Dakin
J. L. Mining Co., Inc.
1812 E. McDowell Road
Phoenix 22, Arizona

Dear Mr. Dakin:

Your application for an exploration loan at the Silver Queen Mine in Yavapai County, Arizona, has been reviewed by the Lead-Zinc Branch of the Defense Minerals Administration.

Further information is required before we can make a complete appraisal of your application. For this reason, we have forwarded it to Mr. J. H. East, Jr, Executive Officer, DMA Field Team, 224 New Customhouse, Denver, Colorado for additional data.

Please send six copies of the following:

(1) All leases, which were not attached to your application, although you so indicated.

(2) Subordination Agreements on Form MF-202 enclosed.

(3) Financial statement, which was not attached to your application, although you so indicated (question 8).

Very truly yours,

SIGNED

9/19

Tom Lyon, Director
Supply Division

Enclosures

ELNewcomb:emp
G 9-14-51

Copies to: J. H. East, Jr. Region IV (2)
Chief, Lead-Zinc Br.
E. T. McKnight 4204 GSA
O. Bishop
Directors r. files 4214 GSA
Br. r. files 4214 GSA

Administrators r file
DMA docket files

DMA - 2066

350

REGIONAL DIRECTOR'S
OFFICE
REGION IV
SEP 20 1951
BUREAU OF MINES
DENVER, COLORADO

SEP 19 1951

Re: DMA-2066

WAS
9-26-51

Telephone 40212

Mr. Barton B. Dakin
J. L. Mining Co., Inc.
1812 E. McDowell Road
Phoenix 22, Arizona

Dear Mr. Dakin:

Your application for an exploration lease at the Silver Queen Mine in Yavapai County, Arizona, has been reviewed by the Lead-Zinc Branch of the Defense Minerals Administration.

Further information is required before we can make a complete appraisal of your application. For this reason, we have forwarded it to Mr. J. H. East, Jr, Executive Officer, DMA Field Team, 224 New Customhouse, Denver, Colorado for additional data.

Please send six copies of the following:

(1) All leases, which were not attached to your application, although you so indicated.

(2) Subordination Agreements on Form MF-202 enclosed.

(3) Financial statement, which was not attached to your application, although you so indicated (question 8).

Very truly yours,

SIGNED

Tom Lyon, Director
Supply Division

Enclosures

ELNewcomb:emp
G 9-14-51
Copies to: J. H. East, Jr. Region IV (2)
Chief, Lead-Zinc Br.
E. T. McKnight 4204 GSA
O. Bishop
Directors r. files 4214 GSA
Br. r. files 4214 GSA
Administrators r file
DMA docket files

REGIONAL DIRECTOR'S OFFICE
REGION IV
SEP 20 1951
BUREAU OF MINES
DENVER, COLORADO

SEP 19 1951

Re: DMA-2066

Mr. Harton B. Dakin
J. L. Mining Co., Inc.
1812 N. McDowell Road
Phoenix 22, Arizona

Dear Mr. Dakin:

Your application for an exploration lease at the Silver Queen Mine in Yavapai County, Arizona, has been reviewed by the Lead-Zinc Branch of the Defense Minerals Administration.

Further information is required before we can make a complete appraisal of your application. For this reason, we have forwarded it to Mr. J. H. East, Jr, Executive Officer, DMA Field Team, 824 New Customhouse, Denver, Colorado for additional data.

Please send six copies of the following:

(1) All leases which were not attached to your application, although you so indicated.

(2) Subordination Agreements on Form MF-202 enclosed.

(3) Financial statement, which was not attached to your application, although you so indicated (question 8).

Very truly yours,

SIGNED

Jem Lyon, Director
Supply Division

Enclosures

ELNewcomb:emp
G 9-14-51

Copies to: J. H. East, Jr. Region IV (2)
Chief, Lead-Zinc Br.
E. T. McKnight 4204 GSA
O. Bishop
Directors r. files 4214 GSA
Br. r. files 4214 GSA
Administrators r file
DMA docket files

McKnight
Bishop
Billinger

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

SEP 19 1951

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

Dear Sir:

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

Docket No. DMA-2066

Commodity Lead-zinc

Applicant Mr. Barton B. Dakin, J. L. Mining Co. Inc.
1812 E. McDowell Rd. Phoenix 22, Arizona

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

Very truly yours,

Chairman
Coordinating Committee

For Bureau of Mines

For Geological Survey

6/5/51

Defense Minerals Administration

Review of Application for Exploration Assistance

Docket No. DMA-2066

Commodity Lead-zinc

Total Amount $100,000

Govt. Participation $50,000 - 50%

1. Name and Address of Applicant Mr. Barton B. Dakin, J. L. Mining Company, Inc. 1812 E. McDowell Rd. Phoenix 22, Arizona

2. Location of Property Big Bug Mining District T 13 N. R. 1. E., S 18, 19 Yavapai, Arizona

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

If not, application will be rejected.

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

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

a) Good

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? No
(question 5, 6, 7)*

6. If applicant is a lessee, is a copy of the lease attached? No. Letter sent requesting same

Does the lease have sufficient time to run to cover a future productive period? Don't know

*question numbers are those of MF-103

7. Are subordination agreements necessary? Yes

a) MF-201? _____

b) MF-202 _____

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

a) Available manpower Don't know

b) Equipment and supplies Don't know
(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? Yes (a) and (b)

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

_____

Is a field check needed on this point? No

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

a) Is the project adequately described? Yes

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

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

_____

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

If not, what part of it is? _____

_____

_____

_____

Is this part a worthwhile exploration project?_____

d) Are the cost estimates detailed? No

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

e) Are the cost estimates reasonable?_____

f) Should more information be requested from applicant?_____

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

11. Exhibit B (question 23-d)*

a) Is it applicable? Yes

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

c) Is a field check needed? Yes

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

a) Is it applicable? Yes

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

c) Are rents and charges reasonable?_____

d) Is a field check needed? Yes

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

a) Are there sufficient data?_____

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

c) Is the schedule excessive for the work proposed?_____

d) Are the proposed wages and salaries reasonable?_____

e) Is a field check needed? Yes

14. Exhibit E (question 23-c)*

a) Is it applicable? Don't know

b) Sufficient data?

c) Reasonable?

d) Field check needed? Yes

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 question? Examination required to determine whether proposed work is justified. It is possible that project can be modified and costs reduced. Does applicant understand that he cannot be given credit for past expenditures on the project?

Reviewed by: E. L. Newcomb GS

Date 9-14-51

INT.-DUP. SEC., WASH., D.C. 99009

Mr. Barton B. Dakin
J. L. Mining Company, Inc.
1812 E. McDowell Road
Phoenix 22, Arizona

Subject: DMA-2066
Re: Exploration Loan
Silver Queen Group

My dear Mr. Dakin:

This will acknowledge receipt of your application dated August 24, 1951 for a loan under the Defense Production Act of 1950.

Your application was assigned Docket Number DMA-2066 and referred to the Copper Branch.

Kindly refer to DMA-2066 in any future correspondence relating to your application.

Sincerely yours,

Robert E. Adams

Robert E. Adams, Chief
Reports and Records Unit

2463

SEP 11 1951

Form MF-103
(April 1951)

U. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Budget Bureau No. 22-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-2066

Date received 9-10-51

Participation

DEFENSE MINERALS ADMINISTRATION WASHINGTON, D.C.
SEP 10 1 35 PM '51

J. L. Mining Co., Inc.
1812 E. McDowell Road
Phoenix 22, Arizona

Name and address of applicant

Date

FILL IN THIS BLOCK

Date of application August 24, 1951

Estimated cost $100,000.00

Mineral or metal Lead, Zinc.

Percentage of Government participation $50,000.00

Location of mine Big Bug Mining District
Yavapai County, Arizona

Date of filing MF-100 May 15, 1951

DMA Docket Number, if available ~~#0281~~ 2066

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.

THE J. L. MINING COMPANY, INC.
(Name of company)

By Parton Baker
(Signature of authorized official)

September 6, 1951
(Date)

Secy. - Treasurer
(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

1. Corporation - Form M.F. 100
2. Form M.F. 100
3. Form M.F. 100
4. Form M.F. 100
5. Form M.F. 100
6. - - - -
7. Copy attached
8. Copy attached
9. (a) Applicant has put in $47,295.00 in cash and $60,036.00 in service, Commissions and Compensation. (b) Yes. (c)
10. (a) Eleven claims (3 patented and balance of claims not patented. Shaft is 205 feet at the present writing, also on the 115 foot level the drift to the north is 52 feet long. The drift is joined by a crosscut seventeen feet to the east and by another crosscut thirteen feet to the west where the Yavapai Schist contacts the Diorite Dike.
(b) Big Bug Mining District, Yavapai County, Arizona. Sec. 17, 18,19 & 20 So. 88° - 48' E - No. 88° - 41' W
11. Present name - Silver Queen Group (Form MF 100)
12. Form M.F. 100
13. Form M.F. 100
14. Form M.F. 100
15. Form M.F. 100 - Truck haul four miles to railroad. Copper ore can be shipped to Phelps Dodge at Douglas, Arizona or to Superior Mine at Superior Arizona. Lead ores can be shipped to the American Smelting and Refining Company at El Paso, Texas. The Zinc ores can be shipped to the U. S. Smelting & Refining Smelter at Salt Lake City, Utah.
16. (a) Shaft was sunk 80 feet in 1947. Very good assays were taken of lead and zinc. Reason for suspension of operation; lack of money.
(b) The McCabe-Gladstone Mine lies one and one-half miles south and a little east of the Silver Queen Mine. Reported production is from two and one-half to three million dollars. The vein lies in the Yavapai Schist. The Union Mine is about two miles from the Silver Queen Group. Its vein is a glassy quartz carrying pyrite, sphalerite and galena, also high values in Gold and Silver. The vein lies in the Yavapai Schist. The Little Jessie Mine lies near the Silver Queen Mine and its production amounted to about seven hundred and fifty thousand dollars. The vein lies in the Yavapai Schist. The Iron King Mine lies approximately two miles east from the Silver Queen Mine. This mine is one of the largest zinc and lead producers in the state. The vein lies in the Yavapai Schist. They are now mining at about 1600 feet in depth, producing 17,000 to 18,000 ton per month.
(c) Prospectus enclosed.
17. Form M.F. 100
18. Form M. F. 100
19. - - - -
20. Lead, zinc and copper. The ore should resemble the ore found in the Iron King Mine.
21. (a) Proposed to sink 800 feet, then drift 100 feet each way.
(b) Proposed work should take 12 months.
22. In the Silver Queen Mine area we find a granite intrusion covering from fifteen to twenty acres, beginning about 1,200 feet north of the Silver Queen shaft and extending north several hundred ffet and to the west about halfway up the north end of the small mountain, which lies to the west of the shaft. Quartzite shows on the south end of this mountain, and it extends about three quarters of the distance down the east slope of the mountain, toward the mine shaft where it contacts a very coarse grained quartz, Yavapai Schist. This continues down the hill where it merges into a typical fine grained Yavapai Schist. The Yavapai Schist extends to a diorite dike about fifty feet wide which parallels and contacts the Silver Queen Mine mineralized zone vein system. The mineralized zone ranges from fourteen to twenty feet wide, extending north and south from Silver Queen Shaft and continues to and beyond the Iron King Mine. The mineralized zone in the shaft shows plainly and it continues on a sixty-eight to seventy degree dip to the bottom of the shaft, which at the time of this writing is 205 feet on the incline.

23. (a) Labors (Miners - (4) @ $1.50 per hr.
(Muckers -(8) 1.25 per hr.
(Hoistmen-(2) 1.25 per hr.

(b) Supervisors

Operating Supt.	(1)	@ $450.00
Mine Supt.	(1)	450.00
Night Foremen	(1)	14.00 - 8 hr.
Day Foremen	(1)	14.00 - 8 hr.

(c) Enlarge shaft from surface to 100 ft. level and retimber $2000.00
(d) (1) No buildings
(2) Pumping station at 200 ft. level $500.00
(e) Pump and engine $8000.00
(f) None
(g) None
(h) Powder - Caps - etc. $4000.00
Timbers - Laging, etc. 4500.00
Gas and oil 6200.00
(I) None

24. Expect to sink a 4' X 7' inside diameter shaft at the rate of 6 ft. per day, working two shifts 8 hrs. each. Also drift north and south on the vein, 100 ft. each way, at each level, 100 to 800 foot level. This work should cost - $75,000.00

Form MF-103
(April 1951)

U. DEPARTMENT OF THE INTER
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-2066

Date received 9-10-51

Participation

DEFENSE MINERALS ADMINISTRATION WASHINGTON, D. C.
SEP 10 1 35 PM '51

J. L. Mining Co., Inc.
1812 E. McDowell Road
Phoenix 22, Arizona

Name and address of applicant

Date

FILL IN THIS BLOCK

Date of application August 24, 1951

Estimated cost $100,000.00

Mineral or metal Lead, Zinc.

Percentage of Government participation $50,000.00

Location of mine Big Bug Mining District
Yavapai County, Arizona

Date of filing MF-100 May 15, 1951

DMA Docket Number, if available ~~#0281~~ 2066

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)?

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16—64067-1

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*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.

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

	Tons per day	*Grade or analysis*	*Cost per ton*	*Net value per ton*
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THE EXPLORATION

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    (*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.

THE J. L. MINING COMPANY, INC.
(Name of company)

By [signature]
(Signature of authorized official)

September 6, 1951
(Date)

Secy. - Treasurer
(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

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13. Form M.F. 100
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15. Form M.F. 100 - Truck haul four miles to railroad. Copper ore can be shipped to Phelps Dodge at Douglas, Arizona or to Superior Mine at Superior Arizona. Lead ores can be shipped to the American Smelting and Refining Company at El Paso, Texas. The Zinc ores can be shipped to the U. S. Smelting & Refining Smelter at Salt Lake City, Utah.
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21. (a) Proposed to sink 800 feet, then drift 100 feet each way.
(b) Proposed work should take 12 months.
22. In the Silver Queen Mine area we find a granite intrusion covering from fifteen to twenty acres, beginning about 1,200 feet north of the Silver Queen shaft and extending north several hundred ffet and to the west about halfway up the north end of the small mountain, which lies to the west of the shaft. Quartzite shows on the south end of this mountain, and it extends about three quarters of the distance down the east slope of the mountain, toward the mine shaft where it contacts a very coarse grained quartz, Yavapai Schist. This continues down the hill where it merges into a typical fine grained Yavapai Schist. The Yavapai Schist extends to a diorite dike about fifty feet wide which parallels and contacts the Silver Queen. Mine mineralized zone vein system. The mineralized zone ranges from fourteen to twenty feet wide, extending north and south from Silver Queen Shaft and continues to and beyond the Iron King Mine. The mineralized zone in the shaft shows plainly and it continues on a sixty-eight to seventy degree dip to the bottom of the shaft, which at the time of this writing is 205 feet on the incline.

23. (a) Labors (Miners - (4) @ $1.50 per hr.
(Muckers - (8) 1.25 per hr.
(Hoistmen- (2) 1.25 per hr.

(b) Supervisors - (Operating Supt. (1) @ $450.00
(Mine Supt. (1) 450.00
(Night Foremen (1) 14.00 - 8 hr.
(Day Foremen (1) 14.00 - 8 hr.

(c) Enlarge shaft from surface to 100 ft. level and retimber $2000.00

(d) (1) No buildings
(2) Pumping station at 200 ft. level $500.00

(e) Pump and engine $8000.00

(f) None

(g) None

(h) Powder - Caps - etc. $4000.00
Timbers - Laging, etc. 4500.00
Gas and Oil 6200.00

(i) None

24. Expect to sink a 4' X 7' inside diameter shaft at the rate of 6 ft. per day, working two shifts 8 hrs. each. Also drift north and south on the vein, 100 ft. each way, at each level, 100 to 800 foot level. This work should cost - $75,000.00

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-2066

Date received 9-10-51

Participation

DEFENSE MINERALS ADMINISTRATION WASHINGTON, D.C. SEP 10 1 35 PM '51

J. L. Mining Co., Inc.
1812 E. McDowell Road
Phoenix 22, Arizona

Name and address of applicant

Date

FILL IN THIS BLOCK

Date of application August 24, 1951

Estimated cost $100,000.00

Mineral or metal Lead, Zinc,

Percentage of Government participation $50,000.00

Location of mine Big Bug Mining District
Yavapai County, Arizona

Date of filing MF-100 May 15, 1951

DMA Docket Number, if available ~~#028F~~ 2066

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.

THE J. L. MINING COMPANY, INC. (Name of company) By Barton L. Larkin (Signature of authorized official)

September 6, 1951 (Date) Secy. - Treasurer (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

1. Corporation - Form M.F. 100
2. Form M.F. 100
3. Form M.F. 100
4. Form M.F. 100
5. Form M.F. 100
6. - - - -
7. Copy attached
8. Copy attached
9. (a) Applicant has put in $47,295.00 in cash and $60,036.00 in service, Commissions and Compensation. (b) Yes. (c)
10. (a) Eleven claims (3 patented and balance of claims not patented. Shaft is 205 feet at the present writing, also on the 115 foot level the drift to the north is 52 feet long. The drift is joined by a crosscut seventeen feet to the east and by another cross cut thirteen feet to the west where the Yavapai Schist contacts the Diorite Dike.
(b) Big Bug Mining District, Yavapai County, Arizona. Sec. 17,18,19 & 20 So. 88° - 48' E - No. 88° - 41' W
11. Present name - Silver Queen Group (Form M.F. 100)
12. Form M.F. 100
13. Form M.F. 100
14. Form M.F. 100
15. Form M.F. 100 - Truck haul four miles to railroad. Copper ore can be shipped to Phelps Dodge at Douglas, Arizona or to Superior Mine at Superior, Arizona. Lead ores can be shipped to the American Smelting and Refining Company at El Paso, Texas. The Zinc ores can be shipped to the U. S. Smelting & Refining Smelter at Salt Lake City, Utah.
16. (a) Shaft was sunk 80 feet in 1947. Very good assays were taken of lead and zinc. Reason for suspension of operation, lack of money.
(b) The McCabe-Gladstone Mine lies one and one-half miles south and a little east of the Silver Queen Mine. Reported production is from two and one-half to three million dollars. The vein lies in the Yavapai Schist. The Union Mine is about two miles from the Silver Queen Group. Its vein is a glassy quartz carrying pyrite, sphalerite and galena, also high values in Gold and Silver. The vein lies in the Yavapai Schist. The Little Jessie Mine lies near the Silver Queen Mine and its production amounted to about seven hundred and fifty thousand dollars. The vein lies in the Yavapai Schist. The Iron King Mine lies approximately two miles east from the Silver Queen Mine. This mine is one of the largest zinc and lead producers in the state. The vein lies in the Yavapai Schist. They are now mining at about 1600 feet in depty, producing 17,000 to 18,000 ton per month.
(c) Prospectus enclosed.
17. Form M.F. 100
18. Form M.F. 100
19. - - - -
20. Lead, zinc and copper. The ore should resemble the ore found in the Iron King Mine.
21. (a) Proposed to sink 800 feet, then drift 100 feet each way.
(b) Proposed work should take 12 months.
22. In the Silver Queen Mine area we find a granite intrusion covering from fifteen to twenty acres, beginning about 1,200 feet north of the Silver Queen shaft and extending north several hundred feet and to the west about halfway up the north end of the small mountain, which lies to the west of the shaft. Quartzite shows on the south end of this mountain, and it extends about three quarters of the distance down the east slope of the mountain, toward the mine shaft where it contacts a very coarse grained quartz, Yavapai Schist. This continues down the hill where it merges into a typical fine grained Yavapai Schist. The Yavapai Schist extends to a diorite dike about fifty feet wide which parallels and contacts the Silver Queen Mine mineralized zone vein system. The mineralized zone ranges from fourteen to twenty feet wide, extending north and south from Silver Queen Shaft and continues to and beyond the Iron King Mine. The mineralized zone in the shaft shows plainly and it continues on a sixty-eight to seventy degree dip to the bottom of the shaft, which at the time of this writing is 205 feet on the incline.

23. (a) Labors (Miners - (4) @ $1.50 per hr.
(Muckers - (8) 1.25 per hr.
(Hoistmen- (2) 1.25 per hr.

(b) Supervisors - (Operating Supt. (1) @ $450.00
(Mine Supt. (1) 450.00
(Night Foremen (1) 14.00 - 8 hr.
(Day Foremen (1) 14.00 - 8 hr.

(c) Enlarge shaft from surface to 100 ft. level and retimber $2000.00

(d) (1) No buildings
(2) Pumping station at 200 ft. level $500.00

(e) Pump and engine $8000.00

(f) None

(g) None

(h) Powder - Caps - etc. $4000.00
Timbers - Laging, etc. 4500.00
Gas and Oil 6200.00

(i) None

24. Expect to sink a 4' X 7' inside diameter shaft at the rate of 6 ft. per day, working two shifts 8 hrs. each. Also drift north and south on the vein, 100 ft. each way, at each level, 100 to 800 foot level. This work should cost - $75,000.00