DMA Form 1

DEFENSE MINERALS ADMINISTRATION
Control Slip

## CONTROLLED DOCUMENT

DMA Docket No. DMEA-2836

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EXPLORATION ASSISTANCE

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| To: | Code 500 Rm 2616 | Date | 1/6/53 |
| To: | Oper Com | Date | 1-16-53 |
| To: | Oper Com | Date | 4-1-53 |
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## DO NOT DETACH

## CONTROLLED DOCUMENT

FILE COPY
SURNAME:
500

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

Assigned
Kinkel
Hedges
Selfridge
Fitzsimmons

APR 2 1953

Mr. James H. McCarthy, President
Lead King Mines, Inc.
Box 1896
Las Vegas, Nevada

Re: Docket No. DMA 2836 (Lead-Zinc)
Lead King Mines, Inc.
Lead King Mine
Clark County, Nevada

J. C. 4/2/53

Dear Mr. McCarthy:

With reference to your application of December 20, 1952, for exploration project assistance, the Government has made a detailed study of all data submitted by you, together with the geological and field data available.

As a result of this study the conclusion has been reached that, although the area you propose to explore shows some mineralization, the discovery of a significant deposit of lead-zinc ore is too improbable to justify the expenditure of public funds. Therefore, we regret to advise you that your application has been denied.

We appreciate your interest in the Government's exploration program and wish to thank you for bringing your property to the attention of the Government. It is with regret that we have to inform you of an unfavorable decision regarding your request.

Sincerely yours,

C. O. Mittendorf (for)

Administrator

JWAlt/hmj
(3/30/53)
CC to: Docket
Adm. R. File
Op. Committee
Region III (2)
Mr. Bishop
Mr. Kinkel
Mr. Alt
Chron.

FILE COPY
SURNAME:

500

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

Mirand
Kinkel
Hedges
Selfridge
Ferguson

Hon. George W. Malone
United States Senate
Washington 25, D. C.

APR 2 1953

Attention: Mr. Kelly

Re: Docket No. DMFA-2836 (Lead-Zinc)
Lead King Mines, Inc.
Clark County, Nevada

L.C. 4/1/53

My dear Senator Malone:

Referring to recent phone conversations between your office and the Base Metals Division of this Administration regarding the application of Lead King Mines, Inc., for exploration project assistance, I am enclosing a copy of a letter of denial to the Applicant.

The property in question was examined in the field by members of the U.S. Geological Survey and the Bureau of Mines. Their findings were reviewed by the respective commodity members of the U.S. Geological Survey and the Bureau of Mines in Washington, and were likewise reviewed and evaluated by the Base Metals Division of this Administration.

I feel that I can assure you that the application was given careful and thorough consideration, and I regret that it was not of such a nature that we could have recommended Government participation in an exploration project.

Sincerely yours,

C. O. Mittendorf (fw)

Administrator

Enclosure

WRGriswold/bjl (4/1/53)

Copy to: Docket
Admr. R. File
Op. Committee
Base Metals
Mr. Alt
Mr. Kinkel
Mr. Bishop
Reg. III (2)
Chron.

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

500

March 31, 1953

Memorandum

To: The Administrator

From: Chief, Base Metals Division

Subject: Denial of application Docket No. 2836, Lead King Mines, Inc., Lead King Mine, Clark County, Nevada (Lead-Zinc)

The above-cited application was received by this office January 6, 1953.

The applicant proposed to sink the present shaft to water level. The present shaft is 242 feet deep and less than 150 feet of shaft sinking would be required to reach water level; crosscut southeasterly 50 feet from the east end of 135-foot level; drift northwesterly 100 feet from the west end of the 135-foot level; to crosscut and drift on the water level; and to trench across surface exposures.

The Applicant estimates that the total cost of the proposed work would be $30,000.00.

The Field Team reported that J. H. McCarthy (President, Lead King Mines, Inc.) stated that he acquired the Lead King property two years ago; that no production had been made during this period; that the property was first worked in 1916 with intermittent attempts at operation since then; that mine workings, with the exception of some crosscutting on the 242-foot level, were opened during the late 1920's and early 1930's; and that the reported production is two cars of ore averaging 59.0 per cent lead.

An examination by the Field Team of mine workings and surface exposures failed to disclose sufficient mineralization to justify the proposed exploration. Eight samples taken across the shear zone on the 135-and 242-foot levels substantiate conclusions made from a visual examination that mineralization is weak and unimpressive, and that no commercial grade ore exists in the mine. All assays contained only 0.1 per cent lead and a trace of silver over widths of 1.3 to 4.0 feet.

We concur with the Field Team and commodity specialists that this application for Government exploration assistance be denied.

W. R. Griswold

W. R. Griswold

Attachments

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

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W. R. Griswold

Attachments

FILE COPY
SURNAME:

500 J-nr-ad

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

March 31, 1953

Memorandum

To: The Administrator

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W. R. Griswold

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Attachments

JWAlt/hmj
(3/30/53)
CC to: Docket
Operating Committee
Region IV (2)
Mr. Kinkel
Mr. Bishop
Mr. Alt
Chron.

IN REPLY REFER TO:

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

March 24, 1953

Memorandum

Re: DMEA-2836
Lead King Mine
Clark County, Nevada
$30,000
Lead-zinc-silver

To: Mr. W. R. Griswold

From: E. L. Newcomb, USGS
O. M. Bishop, USBM

Subject: Concurrence with field team denial

The field team report recommends the application be denied.

The mine has been developed on a sparsely mineralized shear zone in limestone. Eight samples were cut across the shear zone by the field team on the 135 and 242-foot levels. All assays contained only 0.1% lead and a trace of silver over widths of 1.3-4.0 feet. No evidence was found underground or at the surface to indicate that further exploration would discover any higher grade material.

We concur with the field team and recommend this application be denied.

E. L. Newcomb
E. L. Newcomb
Geologist

O. M. Bishop
O. M. Bishop
Base Metals Branch

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

March 24, 1953

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Lead King Mine
Clark County, Nevada
$30,000
Lead-zinc-silver

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E. L. Newcomb
Geologist

O. M. Bishop
Base Metals Branch

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

March 24, 1953

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Geologist

O. M. Bishop
Base Metals Branch

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

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Betty

Office of
Executive Officer
DMEA Field Team
Region III

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAR 16 1953

1012 Flood Building
870 Market Street
San Francisco 2, Calif.

March 11, 1953

Memorandum

To: George C. Selfridge, Chairman, Operating Committee, DMEA, Washington 25, D. C.

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket DMEA-2836 (Lead-Zinc)
Lead King Mines, Inc., Clark County, Nevada

By your letter, dated January 19, 1953, you requested us to have a field examination made of the Lead King Mines and to report our recommendations. Attached are four copies of a report on the property entitled "DMEA 2836, Lead Ming Mines, Clark County, Nevada, (Lead-Silver)" by George H. Holmes, Jr., Mining Engineer, U. S. Bureau of Mines, and W. P. Irwin and Wayne Hall, Geologists, U. S. Geological Survey, dated March 6, 1953.

Assays of samples confirm a visual estimate that only negligible amounts of lead-bearing minerals occur in the shear zone explored by the mine workings. The chance of discovering mineable ore by further exploration appears extremely poor. It is recommended that the applicant's request for a DMEA loan be denied.

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

Attachment

Copy to: E. H. Bailey, USGS
A. C. Johnson, Reno

Reviewed by
DMEA OPERATING COMMITTEE
3-20-53
(date)

4/1/53

UNITED STATES
DEPARTMENT OF THE INTERIOR
DOUGLAS MCKAY, SECRETARY

DEFENSE MINERALS EXPLORATION ADMINISTRATION

# REPORT OF EXAMINATION BY FIELD TEAM
# REGION III

## DMEA 2836, Lead King mine

## Clark County, Nevada

(Lead- silver)

George H. Holmes, Jr., Mining Engineer
U. S. Bureau of Mines

W. P. Irwin and Wayne Hall, Geologists
U. S. Geological Survey

March 6, 1953

Reviewed by
DMEA OPERATING COMMITTEE
3-20-53
(date)

## COMPETENCY OF APPLICANT AND OPERATING PERSONNEL

The operating crew at the mine appears competent, but the competency and financial responsibility of the applicant is questionable.

## APPLICANTS PROPERTY RIGHTS

The four unpatented mining claims, Lead Ledge, Lead Ledge No. 1 Lead Ledge No. 2, and the Leakd Dyke, were acquired by the applicant two years ago and are owned by him.

## DESCRIPTION OF PROPERTY

The property is located along the low foothills on the southeast side of the Las Vegas mountains at an elevation of about 3,000 feet. The climate is semi-arid with hot summers and moderate winters. Water is not available on the property and must be hauled from Las Vegas, 16 miles distant. Vegetation comprises sagebrush, mesquite, and other desert plants. Timber for mine use is trucked in from outlying supply centers.

No transmitted electric power is available. Compressed air is furnished by an Ingersoll-Rand, 105 c.f.m. portable gasoline-driven compressor. Housing facilities comprise a double-deck trailer sufficient for 8 men and a small house trailer which is adequate for 2 men.

Mine workings comprise a 242-foot inclined shaft in good repair, varying in dip from 45°-60°, with openings on the 26-,135-, and 242-foot levels (fig. 1). The 26-foot level comprises drifts driven along a shear zone to the northwest and southeast with several crosscuts of varying lengths driven northerly from the drifts. A winze extends 20 feet below, and a short narro stope 10 feet above, the 135-foot level. Workings on the 242-foot level consist of drifts and crosscuts driven in various directions in an attempt to find a mineralized zones.

A single drum mine hoist, powered by a Fairbanks-Morse single cylinder Diesel engine, hoists rock in a 1,000-pound bucket. Drilling is done using an Ingersoll-Rand jackleg and jackhammer. Adequate ventialation is provided by a blower through 8-inch ventube fan bag. Mucking and tramming are done by hand.

## GEOLOGY

The rocks in the vicinity of the Lead King mine are well exposed and consist of medium-to-thick-bedded limestone that is dark bluish-gray in color. The beds have been flexed gently and form "layer-cake" mountains for many miles surrounding the mine.

The main shaft of the mine, and 135-foot level, follows a well-defined shear zone in the limestone. The shear zone strikes N.80°W.,dips 60°n., and rages from a foot to 4 feet in thickness. At the bottom of the shaft the shear zone appears to be cut off by a nearly horizontal bedding plane shear zone that ranges from 5 to 10 feet in thickness. The limestone

## SUMMARY, RECOMMENDATIONS AND CONCLUSIONS

4/1/53

The Lead King mine, situated about 13 miles by road northeast of Las Vegas, Nevada was examined on February 4, 1953 by an engineer 1/ of the Bureau of Mines and geologists 2/ of the U. S. Geological Survey.

The property comprises four unpatented mining claims, originally located about 1916, and on which work has been done intermittently. Production is reported to have amounted to two cars of ore averaging 59.0 percent lead. Mine workings comprise a 242-foot inclined shaft with openings on the 26, 135, and 242-foot levels.

The deposit is in a shear zone in limestone. Galena is the primary lead-bearing mineral, and is sparsely distributed for narrow widths and short lengths along places in the shear zone. None was seen below the 135-foot level.

Samples taken on the 135 and 242-foot levels contained only 0.1 percent lead and a trace of silver, and substantiate conclusions made from visual examination that no lead-silver ore of commercial grade is visible in the deposit.

The applicants' chance of discovering ore by his proposed exploration is negligible, and it is recommended that his request for a loan be denied.

## TIME SPENT ON PROPERTY

The Lead King mines was examined on February 4, 1953 by George H. Holmes, Jr. of the U. S. Bureau of Mines, and W. P. Irwin and Wayne Hall of the U. S. Geological Survey, accompanied by H. G. Conely, mine foreman.

## NAME AND LOCATION OF PROPERTY

The property is about 16 miles by road northeast of Las Vegas, the nearest source of labor and supplies. To reach the mine, travel 13 miles northeast on U. S. Highway 91-93; turn left and continue three miles over a graded desert road to the property.

Four claims, comprising the Lead King group, are in secs. 5, 6, 7, and 8, T. 19 S., R. 63 E., MDBM, Clark County, Nevada.

## CONDITION AND ACCESSIBILITY OF ROAD TO PROSPECT

The desert road extending from U. S. Highway 91-93 to the property is in good condition and open to travel at all seasons of the year.

---

1/ George H. Holmes, Jr.
2/ W. P. Irwin and Wayne E. Hall

in the shear zone has been recrystallized to coarse-grained light-colored calcite rock.

Galena and a minor amount of associated cerrusite occurs at some places in the shear zone. They are the only lead-bearing minerals seen. None was seen in the shaft below the 135 foot level, nor on the 242 foot level.

Galena is sparsely disseminated in the shear zone for a length of 50 feet near the east end of the 135 foot level. There the mineralized zone ranges in thickness from less than a inch to 4 feet. Two samples cut across the mineralized zone contained 0.1 percent lead and a trace of silver. West of the shaft on the 135-foot level, galena is sparsely disseminated over a similar width for a length of 80 feet. Two samples across the mineralized zone contained 0.1 percent lead and a trace of silver. Except for a few scattered streaks in the shaft, no other concentrations of galena were seen in the mine.

## SAMPLING

Eight samples were cut across the mineralized shear zone on the 135-foot and 242 foot levels. The sample localities are shown on the map of the underground workings (see plate 1), and the assay results are listed below.

| Sample No. | Width (ft.) | %, Pb. | Oz.Ag/T | Location |
|---|---|---|---|---|
| 166 | 3.0 | 0.1 | Trace | Face, northwest drift, 242-level |
| 167 | 3.5 | 0.1 | Trace | Face, southeast crosscut, 242-level |
| 168 | 2.8 | 0.1 | Trace | West side shaft, 242-level |
| 169 | 3.8 | 0.1 | Trace | Southeast drift, 35 feet, 135-level |
| 170 | 3.3 | 0.1 | Trace | Southeast face, stope, 135-level |
| 171 | 1.3 | 0.1 | Trace | Southeast drift, face, 135-level |
| 172 | 4.0 | 0.1 | Trace | West side, winze, 135-level |
| 173 | 4.0 | 0.1 | Trace | Northeast drift, 43 feet west of winze, 135-level |

## ORE RESERVES

The galena-bearing zones have been mineralized too sparsely to be considered ore. Although a few pounds of galena specimens might be collected by a careful search along the shear zone, the 4 samples cut across the mineralized zones exposed on the 135-foot level contained only 0.1 percent lead and a trace of silver. No evidence was seen to indicate that the material of higher grade will be discovered by further exploration. There is no reserve of ore.

## PAST OPERATION

J. H. McCarthy stated that he acquired the Lead King property two years ago and that no production had been made during this period. According to him, the property was first worked in 1916 with intermittent attempts at operation since then. Mine workings, with the exception of some crosscutting on the 242-foot level, were opened during the late 1920's and early 1930's. The reported production is two cars of ore averaging 59.0 percent lead.

## AVAILABILITY OF MANPOWER, ETC.

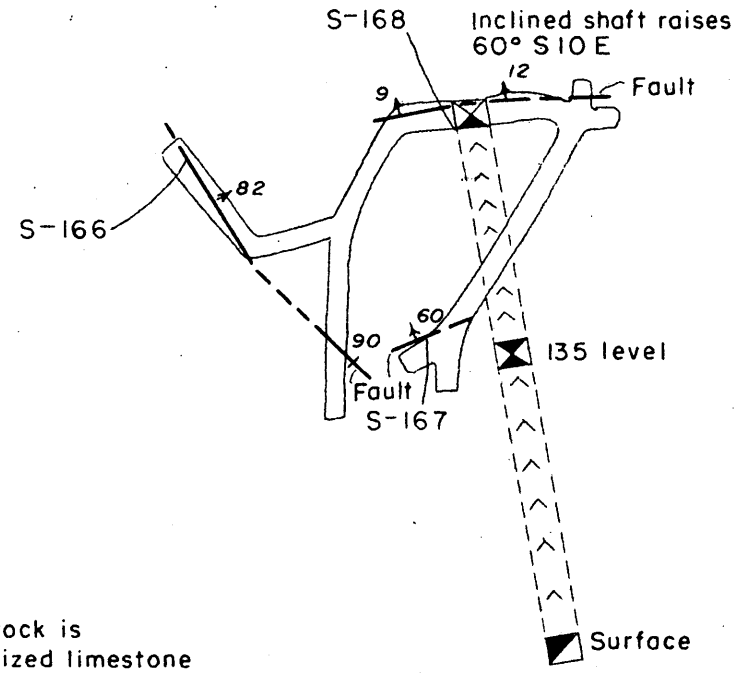
Labor, materials, supplies and equipment are available in Las Vegas. Water must be hauled to the property. Power would have to be supplied by Diesel - or gasoline-driven generators. Current wages are $18.00 daily for miners. Two men are currently employed.

## STATEMENT OF APPLICANTS' PROPOSAL

The applicant proposed to sink the present shaft to water level; crosscut southeasterly from the east end of the 135-foot leve; drift northwesterly from the west end of the 135-foot level; and to trench across surface exposures.

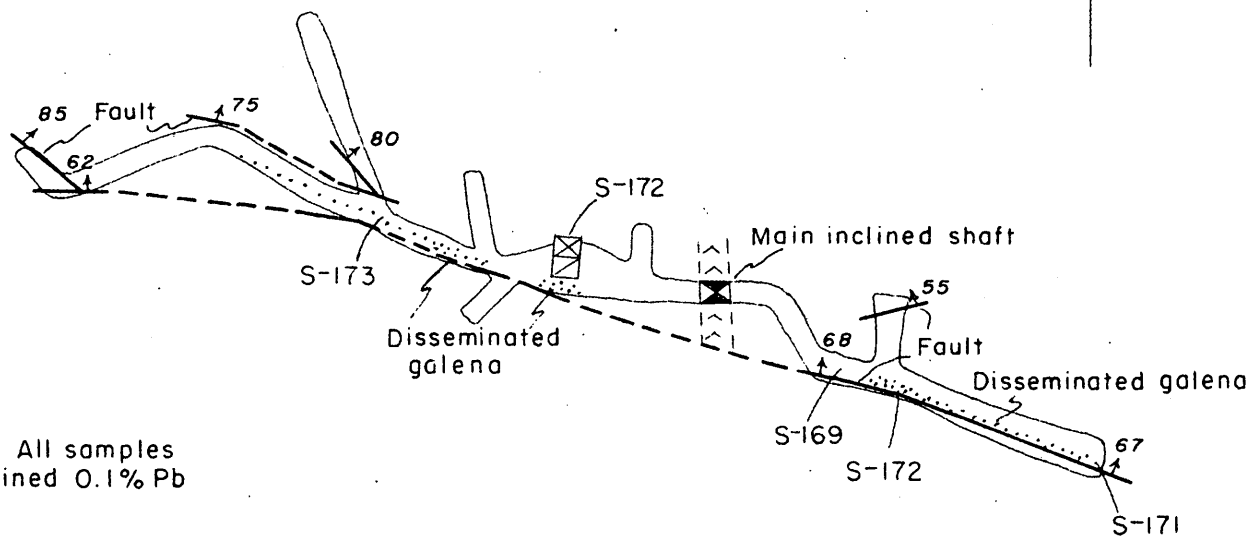
Examination of mine workings and surface exposures failed to disclose sufficient mineralization to justify the proposed exploration. Samples taken across the shear zone on the 135- and 242-foot levels substantiate conclusions made from a visual examination that mineralization is weak and unimpressive, and that no commercial grade ore exists in the mine.

The applicant has done very little surface or underground work during the past two years. It is evident that most work has been done on roads and camp facilities. Inasmuch as the chances of the proposed exploration for exposing ore are negligible, it is recommended that the application be denied.




Country rock is
recrystallized limestone

242 FOOT LEVEL




Note: All samples
contained 0.1% Pb

135 FOOT LEVEL

40 0 40 80 Feet

Mapped by W. P. Irwin and W. E. Hall, February 1953

LEAD KING MINE, CLARK COUNTY, NEVADA

MF-500

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

# REFERENCE SLIP

DATE 3/18/53

REFERRED TO:

1. ~~Operating Committee~~
2. ~~Miss Lanahan, Rm. 4539~~
3. Code 500 - Rm. 2616
4.

FOR:

| | |
|---|---|
| ..... Action | ..... Recommendation |
| ..... Approval | ..... Record |
| ..... Comment | of ..... |
| ..... Conference | ..... Referring |
| ..... Consideration | to ..... |
| ..... Filing | ..... Reply for signa- |
| ..... Instructions | ture of ..... |
| ..... Investigation | ..... Rewriting |
| ..... Initials | ..... Signature |
| ..... Mailing | ..... Suggestions |
| ..... Previous correspondence | ..... Your information |

REMARKS: Field Examination Report
~~For Agenda 3/20/53.~~

Check (X) before the items needing attention.

George C. Selfridge
*Initials of sender.*

GPO 16—63815-1

Office of
Executive Officer
DMEA Field Team
Region III

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAR 16 1953

1012 Flood Building
870 Market Street
San Francisco 2, Calif.

March 11, 1953

Memorandum

To: George C. Selfridge, Chairman, Operating Committee, DMEA, Washington 25, D. C.

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket DMEA-2836 (Lead-Zinc)
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Assays of samples confirm a visual estimate that only negligible amounts of lead-bearing minerals occur in the shear zone explored by the mine workings. The chance of discovering mineable ore by further exploration appears extremely poor. It is recommended that the applicant's request for a DMEA loan be denied.

H. C. MILLER

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

Attachment

Copy to: H. H. Bailey, USGS
A. G. Johnson, Reno

Reviewed by
DMEA OPERATING COMMITTEE
3-20-53
(date)

UNITED STATES
DEPARTMENT OF THE INTERIOR
DOUGLAS MCKAY, SECRETARY

DEFENSE MINERALS EXPLORATION ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM
REGION III

# DMEA 2836, Lead King mine

## Clark County, Nevada

(Lead- silver)

George H. Holmes, Jr., Mining Engineer
U. S. Bureau of Mines

W. P. Irwin and Wayne Hall, Geologists
U. S. Geological Survey

March 6, 1953

Reviewed by
DMEA OPERATING COMMITTEE
3-20-53
(date)

## SUMMARY, RECOMMENDATIONS AND CONCLUSIONS

The Lead King mine, situated about 13 miles by road northeast of Las Vegas, Nevada was examined on February 4, 1953 by an engineer 1/ of the Bureau of Mines and geologists 2/ of the U. S. Geological Survey.

The property comprises four unpatented mining claims, originally located about 1916, and on which work has been done intermittently. Production is reported to have amounted to two cars of ore averaging 59.0 percent lead. Mine workings comprise a 242-foot inclined shaft with openings on the 26, 135, and 242-foot levels.

The deposit is in a shear zone in limestone. Galena is the primary lead-bearing mineral, and is sparsely distributed for narrow widths and short lengths along places in the shear zone. None was seen below the 135-foot level.

Samples taken on the 135 and 242-foot levels contained only 0.1 percent lead and a trace of silver, and substantiate conclusions made from visual examination that no lead-silver ore of commercial grade is visible in the deposit.

The applicants' chance of discovering ore by his proposed exploration is negligible, and it is recommended that his request for a loan be de ied.

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The desert road extending from U. S. Highway 91-93 to the property is in good condition and open to travel at all seasons of the year.

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1/ George H. Holmes, Jr.
2/ W. P. Irwin and Wayne E. Hall

## COMPETENCY OF APPLICANT AND OPERATING PERSONNEL

The operating crew at the mine appears competent, but the competency and financial responsibility of the applicant is questionable.

## APPLICANTS PROPERTY RIGHTS

The four unpatented mining claims, Lead Ledge, Lead Ledge No. 1 Lead Ledge No. 2, and the Leakd Dyke, were acquired by the applicant two years ago and are owned by him.

## DESCRIPTION OF PROPERTY

The property is located along the low foothills on the southeast side of the Las Vegas mountains at an elevation of about 3,000 feet. The climate is semi-arid with hot summers and moderate winters. Water is not available on the property and must be hauled from Las Vegas, 16 miles distant. Vegetation comprises sagebrush, mesquite, and other desert plants. Timber for mine use is trucked in from outlying supply centers.

No transmitted electric power is available. Compressed air is furnished by an Ingersoll-Rand, 105 c.f.m. portable gasoline-driven compressor. Housing facilities comprise a double-deck trailer sufficient for 8 men and a small house trailer which is adequate for 2 men.

Mine workings comprise a 242-foot inclined shaft in good repair, varying in dip from 45°-60°, with openings on the 26-,135-, and 242-foot levels (fig. 1). The 26-foot level comprises drifts driven along a shear zone to the northwest and southeast with several crosscuts of varying lengths driven northerly from the drifts. A winze extends 20 feet below, and a short narro stope 10 feet above, the 135-foot level. Workings on the 242-foot level consist of drifts and crosscuts driven in various directions in an attempt to find a mineralized zones.

A single drum mine hoist, powered by a Fairbanks-Morse single cylinder Diesel engine, hoists rock in a 1,000-pound bucket. Drilling is done using an Ingersoll-Rand jackleg and jackhammer. Adequate ventialation is provided by a blower through 8-inch ventube fan bag. Mucking and tramming are done by hand.

## GEOLOGY

The rocks in the vicinity of the Lead King mine are well exposed and consist of medium-to-thick-bedded limestone that is dark bluish-gray in color. The beds have been flexed gently and form "layer-cake" mountains for many miles surrounding the mine.

The main shaft of the mine, and 135-foot level, follows a well-defined shear zone in the limestone. The shear zone strikes N.80°W., dips 60°n., and rages from a foot to 4 feet in thickness. At the bottom of the shaft the shear zone appears to be cut off by a nearly horizontal bedding plane shear zone that ranges from 5 to 10 feet in thickness. The limestone

in the shear zone has been recrystallized to coarse-grained light-colored calcite rock.

Galena and a minor amount of associated cerrusite occurs at some places in the shear zone. They are the only lead-bearing minerals seen. None was seen in the shaft below the 135 foot level, nor on the 242 foot level.

Galena is sparsely disseminated in the shear zone for a length of 50 feet near the east end of the 135 foot level. There the mineralized zone ranges in thickness from less than a inch to 4 feet. Two samples cut across the mineralized zone contained 0.1 percent lead and a trace of silver. West of the shaft on the 135-foot level, galena is sparsely disseminated over a similar width for a length of 80 feet. Two samples across the mineralized zone contained 0.1 percent lead and a trace of silver. Except for a few scattered streaks in the shaft, no other concentrations of galena were seen in the mine.

## SAMPLING

Eight samples were cut across the mineralized shear zone on the 135-foot and 242 foot levels. The sample localities are shown on the map of the underground workings (see plate 1), and the assay results are listed below.

| Sample No. | Width (ft.) | %, Pb. | Oz.Ag/T | Location |
|---|---|---|---|---|
| 166 | 3.0 | 0.1 | Trace | Face, northwest drift, 242-level |
| 167 | 3.5 | 0.1 | Trace | Face, southeast crosscut, 242-level |
| 168 | 2.8 | 0.1 | Trace | West side shaft, 242-level |
| 169 | 3.8 | 0.1 | Trace | Southeast drift, 35 feet, 135-level |
| 170 | 3.3 | 0.1 | Trace | Southeast face, stope, 135-level |
| 171 | 1.3 | 0.1 | Trace | Southeast drift, face, 135-level |
| 172 | 4.0 | 0.1 | Trace | West side, winze, 135-level |
| 173 | 4.0 | 0.1 | Trace | Northeast drift, 43 feet west of winze, 135-level |

## ORE RESERVES

The galena-bearing zones have been mineralized too sparsely to be considered ore. Although a few pounds of galena specimens might be collected by a careful search along the shear zone, the 4 samples cut across the mineralized zones exposed on the 135-foot level contained only 0.1 percent lead and a trace of silver. No evidence was seen to indicate that the material of higher grade will be discovered by further exploration. There is no reserve of ore.

## PAST OPERATION

J. H. McCarthy stated that he acquired the Lead King property two years ago and that no production had been made during this period. According to him, the property was first worked in 1916 with intermittent attempts at operation since then. Mine workings, with the exception of some crosscutting on the 242-foot level, were opened during the late 1920's and early 1930's. The reported production is two cars of ore averaging 59.0 percent lead.

## AVAILABILITY OF MANPOWER, ETC.

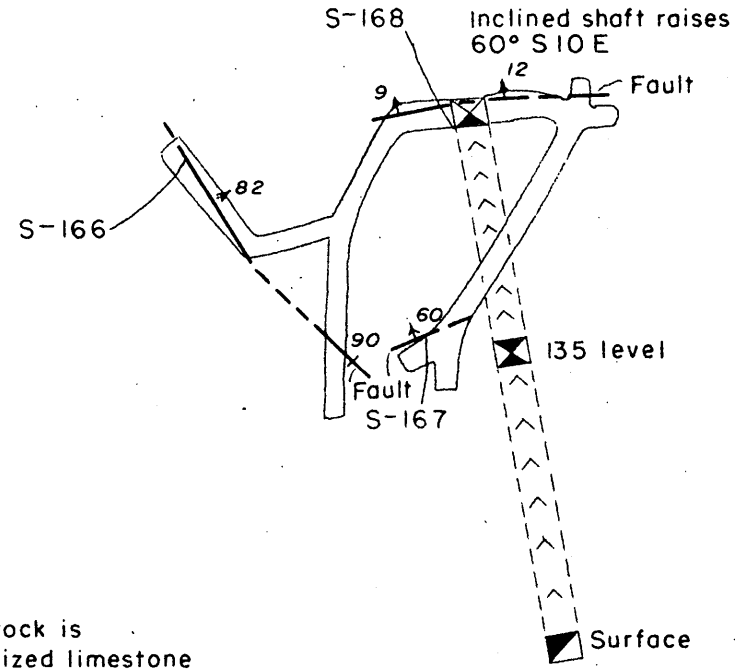
Labor, materials, supplies and equipment are available in Las Vegas. Water must be hauled to the property. Power would have to be supplied by Diesel - or gasoline-driven generators. Current wages are $16.00 daily for miners. Two men are currently employed.

## STATEMENT OF APPLICANTS' PROPOSAL

The applicant proposed to sink the present shaft to water level; crosscut southeasterly from the east end of the 135-foot leve; drift northwesterly from the west end of the 135-foot level; and to trench across surface exposures.

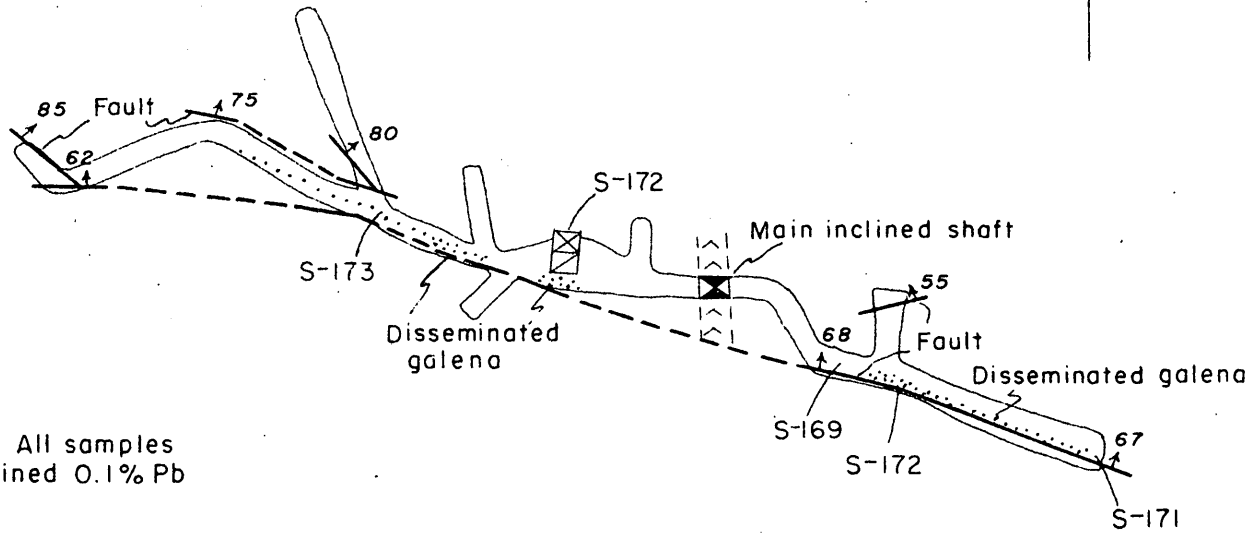
Examination of mine workings and surface exposures failed to disclose sufficient mineralization to justify the proposed exploration. Samples taken across the shear zone on the 135- and 242-foot levels substantiate conclusions made from a visual examination that mineralization is weak and unimpressive, and that no commercial grade ore exists in the mine.

The applicant has done very little surface or underground work during the past two years. It is evident that most work has been done on roads and camp facilities. Inasmuch as the chances of the proposed exploration for exposing ore are negligible, it is recommended that the application be denied.




Country rock is
recrystallized limestone

242 FOOT LEVEL




Note: All samples
contained 0.1% Pb

135 FOOT LEVEL

40 0 40 80 Feet

Mapped by W. P. Irwin and W. E. Hall, February 1953

LEAD KING MINE, CLARK COUNTY, NEVADA

File in Docket file

RECEIVED
MAR 6 3 11 PM '53
GENERAL SERVICES ADMIN.
PUBLIC BLDGS. SERVICE
BMD - COMMUNICATIONS

348 WA SFS /I-BOM/

SANFRANCISCO CALIF 3-6-53 1055A

W R GRISWOLD CHIEF

BASE METALS DIVISION DEFENSE MINERALS EXPLORATION ADMINISTRATION

INTERIOR BUILDING WA

REURTT MARCH 6 CONCERNING LEAD KING MINES, DOCKET DMEA-2836. LETTER WENT FORWARD TO YOU ON MARCH 4 STATING ENGINEER-S REPORT WAS SENT TO SURVEY ON FEBRUARY 26 FOR COMPLETION. SURVEY REPORTS TO ME THIS MORNING THAT COMPLETED REPORT MAY BE IN MY HANDS THIS AFTERNOON. WILL MAIL ONE COPY TO YOU AIRMAIL WHEN RECEIVED. OTHERS WILL FOLLOW REGULAR MAIL.

H C MILLER EXECUTIVE OFFICER DMEA FIELD TEAM REGION III

6 DMEA-2836 4 26

OA 1059A

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAR 9 1953

MAR 9 7 58 AM '53
BUREAU OF MINES
MAIL ROOM
WASHINGTON, D. C.

1-1027
(April 1946)

# UNITED STATES
# DEPARTMENT OF THE INTERIOR

AGENCY Bureau of Mines

Originator:

PBS TELETYPE Ext.: 472 Room: 1006

Appro.: Bureau of Mines
Date: March 6, 1953
Time: 9:30 a.m.
No.:
To: W. R. Griswold, Chief, Base Metals Division, Defense Minerals Exploration Administration, Interior Building, Washington, D. C.
Subject:

Reurtt March 6 concerning Lead King Mines, Docket DMEA-2836. Letter went forward to you on March 4 stating engineer's report was sent to Survey on February 26 for completion. Survey reports to me this morning that completed report may be in my hands this afternoon. Will mail one copy to you airmail when received. Others will follow regular mail.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAR 11 1953

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

Authorized:
H.C.Miller

CONFIRMATION

Sign original message and transmit to Room ~~207~~ in duplicate

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

FILE COPY
SURNAME:

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

Docket

Base Metals Div., DMEA

WRGriswold/bjl
3669 2616

March 6, 1953

Mr. H. C. Miller, Executive Officer, DMEA Field Team, Region III, San Francisco, California

Re our phone conversation February 25 regarding Lead King Mines, Inc., Application, Docket No. DMEA-2836. Please advise status so that we may advise Senator Malone.

W. R. Griswold

W. R. Griswold, Chief
Base Metals Division, DMEA

Copy to: Docket
Admr. R. File
Op. Committee
Base Metals
Mr. Griswold
Accounts
Confirmation
Chron.

J.H.
3/6/53

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

Griswold
Betty

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAR 9 1953

1012 Flood Bldg.
870 Market St.
San Francisco 2, Calif.

File in Docket

March 4, 1953

Memorandum

To: W. R. Griswold, Chief, Base Metals Division, DMEA, Washington 25, D. C.

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket DMEA-2836 (Lead-Zinc)
Lead King Mines, Inc., Clark County, Nevada

In reply to your telephone call of February 25 concerning the status of the subject application, our Reno Office advises that the Bureau of Mines section of the joint report on the subject property by George H. Holmes, Jr., was forwarded on February 26 to W. P. Irwin, of the Geological Survey, for completion. The report is to be sent directly to this office by the Survey. It has not yet arrived but is expected shortly.

Mr. Johnson informs me that the samples taken by the examining engineer and geologists substantiated conclusions made from a visual examination, in that mineralization is weak and unimpressive and no commercial grade lead-zinc ore exists in the mine.

Mr. Johnson also states that as the chances of the applicant's proposed exploration for finding ore is negligible, the field team will recommend denial of the application.

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

Copy to: E. H. Bailey

FILE COPY
SURNAME:

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

February 25, 1953

Memorandum for the Files

From: W. R. Griswold, Chief, Base Metals Division

Subject: Lead King Mines, Inc., Docket No. DMEA-2896

I phoned Mr. H. C. Miller of the San Francisco office today inquiring as to the status of the subject application, in that Mr. Kelly of Senator Malone's office had phoned us requesting information. Mr. Miller states that the matter had been referred to the Reno office and that he would check with Reno and advise.

W. R. Griswold

W. R. Griswold

WRGriswold/bjl

Copy to: Docket
Amdr. R. File
Op. Commitee
Mr. Griswold
Chron.

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

January 30, 1953

Memorandum

To: George Keating

From: O. M. Bishop, Base Metals Branch

Subject: Application for an exploration program, amounting to $30,000 (Government share - $15,000), from the Lead King Mines, Inc., Box 1896, Las Vegas, Nevada. DMEA-2836

I recommend that this application be sent to the field team with a request that they examine the property and revise the application to show unit costs and specify more clearly the underground work to be done.

O. M. Bishop

O. M. Bishop

500 FILE COPY
SURNAME:

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

Jim Alt
Keating
Hodges
Matthews

Mr. James H. McCarthy
Lead King Mines, Inc.
Box 1896
Las Vegas, Nevada

JAN 19 1953

Re: Docket No. DMEA-2836 (Lead-Zinc)
Lead King Mines, Inc.
Clark County, Nevada

Dear Mr. McCarthy:

Your application for Government assistance to explore the property of the Lead King Mines, Inc., Docket No. DMEA-2836, has been received by the Base Metals Division of the Defense Minerals Exploration Administration and has been referred for a field examination to:

Mr. H. C. Miller
Executive Officer, Region III
DMEA Field Team
1012 Flood Building
870 Market Street
San Francisco 2, California

The Region Office will contact you at the earliest opportunity in regard to your project.

Sincerely yours,

/s/ Lyle

A. G. Keating, Acting Chief
Base Metals Division

J. C. 1-19-53

JWAlt/hmj
1-16-53
CC to: Adm. Reading File
Operating Committee
Docket File
Mr. Alt
Base Metals
Region III
Mr. Kinkel
Mr. Bishop

FILE COPY
500 SURNAME:

J. All.
Keating
Selfridge

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

Mr. W. C. Miller
Executive Officer, Region III
DMEA Field Team
1012 Flood Building
870 Market Street
San Francisco 2, California

JAN 1 9 1953

Re: Docket No. DMEA-2836 (Lead-Zinc)
Lead King Mines, Inc.
Clark County, Nevada

Dear Mr. Miller:

Will you please have the usual field examination made of the above referenced docket and submit to us your report and recommendations.

For your information we are enclosing the material submitted by the applicant, Exhibits No. 1, 2 and 3. Will you please return these when you have completed your examination and report. In the event that you do not have the applications (MF-100 and MF-103), notify us immediately and we will forward same to you.

Sincerely yours,

J.C. 1-19-53

George C. Selfridge
(JHB)

Chairman, Operating Committee

Enclosures
APPROVED:

J. H. Hedges
Member, Bureau of Mines (JHB)

T. P. Thayer
Member, Geological Survey (JHB)

JWAlt/hmj
(1-16-53)
CC to: Adm. Reading File
Operating Committee
Docket
Base Metals
Mr. Alt
Mr. Kinkel
Mr. Bishop

P. S. Also enclosed is Exhibit No. 4, which was submitted by the applicant, and a copy of a memorandum from the Bureau of Mines and Geological Survey.

IN REPLY REFER TO:

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

January 14, 1953

Memorandum

Re: Docket DMEA-2836
Lead King Mines, Inc.
Clark County, Nevada
Total cost: $30,000
Lead-silver-zinc

To: Mr. A. G. Keating

From: Erwin J. Lyons, USGS
O. M. Bishop, USBM

Subject: Recommendation for field referral

Applicant has requested Government assistance to explore his properties in Clark County, Nevada. The proposed exploration will consist of:

1). Deepening present 242-foot incline shaft an estimated 150 feet and driving some drifts and crosscuts from bottom of shaft.

2). Crosscutting 50 feet on the 135-foot level from the east face to the footwall of the deposit.

3). Drifting 100 feet on the 135-foot level from the west face to investigate some showings of galena.

4). Trenching on the south and east sides of the deposit.

The amount and direction of the drifting and crosscutting from the bottom of the shaft is not indicated.

No information on this property is available. It is recommended that the application be referred to the field for geologic investigation and study of the proposed method of exploration.

Erwin J. Lyons
Geologist

O. M. Bishop
O. M. Bishop
Base Metals Branch

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. DMEA-2536

Date received 1/5/53

LEAD KING MINES, INC.
BOX 1896
LAS VEGAS, NEVADA

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JAN 5 1953

Name and address of applicant

Date December 20, 1952

## 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?
   (*b*) What are the byproducts, if any?
2. Name(s) and type(s) of mine(s), mill(s), smelter(s), refinery(ies), pit(s), quarry (ies), drilling operation(s). Include old names of property, if any. Show extent of workings, including the following:
   (*a*) Linear feet of shafts.
   (*b*) Linear feet of drifts and crosscuts.
   (*c*) Linear feet of tunnels or adits.
   (*d*) Linear feet of other mine openings (explain briefly).

   Indicate whether mine is flooded or not. Describe any pumping problems. Give size or productive capacity.
3. For each operation listed above supply the following:
   (*a*) Distance and direction from nearest town and shipping point.
   (*b*) Mining district.
   (*c*) Township, Section, Range.
   (*d*) County, State.
4. (*a*) State whether or not property is now in operation, and if in operation, by whom operated.
   (*b*) Are you operating this property as:
   - ☐ Owner.
   - ☐ Lessee.
   - ☐ Contractor.
5. Number of years in production _____

   If not in production or operation, estimated date when production will begin _____
6. Experience of operators:
   Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who manage the project.
7. History:
   (*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for suspension of operation.
   (*b*) State briefly the known history and production of adjoining and neighboring properties.
   (*c*) Furnish any available (private) reports that may apply to this application, including results of mine examinations, recommended exploration and development, and metallurgical investigations.

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) |
|---|---|---|---|---|---|---|---|
| James H. McCarthy 216 North 5th St. L.V. | President D | none | none | 300,000 | none | none | none |
| Richard L. Neville 216 N.5th Las Vegas,N | Secy-Treas D | none | none | 300,000 | none | none | none |
| Herschel Conley 328 Bartlett Las Vegas | D | daily wages | 5,000 | 15,000 | none | none | none |
| Eugene Moyne & Assoc. 701 S. 7th Las Vegas | | none | unknown | 700,000 | none | none | none |
| Kalmanir,Kline and Co. 110 N 3rd Las Vegas,N | | none | unknown | 250,000 | none | none | none |
| William P. Sellers Las Vegas, Nevada | | none | unknown | 35,000 | none | none | none |
| Frank McAuley Las Vegas, Nevada | | none | unknown | 32,500 | none | none | none |
| | Total | | x x x | 1,632,500 | | x x x x x | x x x x x |

If more lines are needed continue on separate sheet.

9. Capital Stock Issues:

**For Corporate Applicants**

| Item | Authorized (a) | Outstanding (b) | Par Value (c) | Number of Shares Outstanding (d) | Dividend Rate Last Paid* (e) |
|---|---|---|---|---|---|
| Common stock | $ 500,000 | $ 200,000 | $ 0.10 | 2,000,000 | none |
| Preferred stock | $ none | $ none | $ none | none | none |

*Indicate period covered.

10. Production:

| Item | Kind of Product (a) | 1948 Total (b) | 1949 Total (c) | 1950 Total (d) | Present Average Monthly (e) |
|---|---|---|---|---|---|
| 1. Quantity of product mined or quarried (Short, long, metric tons; barrels; pounds; etc.) | Lead | No production on property. | | | |
| 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) | 2 cars- | 59% hand | sorted. | Galena. | |

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. Still in stages of development

12. Ore or Mineral Reserves:

(a) Describe the ore or mineral deposit briefly. Accompany the application by any available report on the geology and ore reserves. See Report See Exhibit No 1. and 3

Form MF-100

LEAD KING MINES, INC.
Box 1896 Las Vegas, Nevada

1. a) Lead
   b) Silver Zinc.

2. Lead King Mines, Inc. which is a lode mine, with both underground operation and open pit or surface workings. No mill installed on property. No smelter or refinery. No pit opened yet but in process of starting. No Quarry. Pneumatic drilling operation. The property was formerly opened up underground under name of Spearmaid.
a) There are a 242 ft. shaft, a 70 ft. shaft and a 30 ft. winze.

b) There are 712 ft. of drifts and cross-cuts.

c) Adit of 60 ft.

d) 50 ft. open cuts for vein exposure.

The mine is dry.

3. The mine is located 16 miles northeast of Las Vegas, Nevada on good gravel road for 3 miles and paved hi-way #91-93 for 13 miles. Ore can be shipped by U. P. R. R. 1½ miles distance from mine.

b) Unknown mining district in Las Vegas Mountain Range.

c) Township - T - 19 - S, Section 6-7, Range R - 63 - E MDM

d) Clark County, Nevada

4. a) The property is now being developed by owners.

b) Owner

5. Not in Production. Expected to begin July 1953.

6. a b) The applicant and management has had 20 years in mine development, rehabilitation, and operation experience. Reference, Department of Mineral Resources - State of Arizona.

7. a) Property was explored and developed by 2 shafts, one 70 ft. and one 250 ft. Adits of 60 ft. and open stope to surface and underhand stoping at this level. At 50 ft. station a drift of 20 ft. At 135 ft. station drifts of 260 ft. and cross-cuts of 112 ft. A winze of 30 ft. and raises of 40 ft. At the 250 ft. station, drifts and cross-cuts of 210 ft. Reference: Mineral Resources of the U. S. 1926 Part I Metals page 530. under Dyke Dristrict; also Minerals Resources of the Region Around Boulder Dam, page 54, under Dike. Also Minerals in Nevada- 2 cars of Galena ore averaging 59% Pb. Reason of suspension was the low price of metals.

b) Gass Peak - 6 miles northwesterly. Reference Geological Survey Bulletin 871 page 55. Area now withdrawn by government, in Air Force Gunnery Range.

c) See Report by Campbell. (See Exhibit No. 1)

Form MF-100

Lead King Mines, Inc.
Box 1896 Las Vegas, Nevada



13. Good Graded gravel road to RR shipping point 1½ miles; 3 miles good gravel graded road to paved U.S. Hiway #91 and 93, and 16 miles total to Las Vegas, Nevada.

14. 1 mile from proven artesian water district. Wells to be drilled.

15. Electric power available approximately 3000 ft. distance. Power origin at Hoover Dam.

16. 1 hoist man, 1 mucker, and 1 miner.

17. Hoist house, change room, tool shed, 2 trailers all in good condition. Hoist, compressor, 2 jack hammers, steel, bits etc. rail, cars, water pipe and air pipe, water supply tanks, truck all in good condition.

(*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. Assay map to follow

(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: To follow

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) | Map to follow | | | | |
| 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.

14. Water Supply:

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

15. Power:

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

16. Labor:

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

17. Equipment and Facilities:

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

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

CERTIFICATION

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

Lead King Mines, Inc.
(Name of company)

By James N. McCarthy
(Signature of authorized official)

December 20, 1952
(Date)

President
(Title)

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

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

Form MF-103
(Revised June 1951)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Budget Bureau No. 42-R1035.1.

MF-103 Should Be Filed With General Technical Data Form MF-100

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

*Not To Be Filled in by Applicant*

Docket No. DMEA-2836
Metal or Mineral
Date Received 1/5/53
Amount $
Participation (Government %)

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JAN 5 1953

LEAD KING MINES, INC.
BOX 1896
LAS VEGAS, NEVADA

Name and address of applicant

Date December 20, 1952

If you have already filed MF-100, give date filed _____, type of assistance requested _____,

DMA Docket Number (if available) _____

## INSTRUCTIONS

Read Mineral Order 5, Regulations Governing Government Aid in Defense Projects, before completing this application. Submit four copies each, of the signed application form, General Technical Data Form MF-100, and answers to questions as specified, to Defense Minerals Administration, Department of the Interior, Washington 25, D. C., or to the nearest field executive office thereof, with your name and address on each sheet of the application and all accompanying papers. If you have previously filed MF-100, it is not necessary to file it again. However, you should indicate in space provided above the type of assistance previously applied for (loans, procurement contracts, etc.) and DMA Docket Number, if available. *When a question is inapplicable it should be so stated in the form.* Additional sheets should be attached in answering any questions or in supplying additional information. IF YOU CANNOT ANSWER A QUESTION, SO STATE.

1. (*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*) If you are not the owner of the property, submit a copy of the lease, purchase option, or other agreements under which you are authorized to operate the property with each copy of your application.

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

   NOTE: (1) 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 (*c*) 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.

   (2) If applicant is not the owner of the property or if there are any liens or encumbrances against the property, copy of agreements of claimants, lienors, encumbrances, and lessors subordinating their interests in the property to the interest of the Government under the Exploration Project Contract will be required for attachment to the Contract.

2. (*a*) What metals or minerals do you expect to find?

   (*b*) Furnish statement of the geologic features of your property, giving type of ore deposit and reasons for expecting to find commercial ore bodies. Illustrate with maps or sketches. If you have a geologic or engineering report, or assay maps showing width and grade, please send them with application, stating whether or not you wish to have them returned.

The information requested in questions 3, 4, 5, 6, 7, 8, and 9 below should be answered specifically and in detail, as this information will be attached to and incorporated as part of the Exploration Project Contract, if such contract is entered into with you by the Government.

ANSWER EACH QUESTION ON SEPARATE SHEETS OF PAPER AND SUBMIT A COPY OF EACH ANSWER FOR EACH COPY OF YOUR APPLICATION.

3. (*a*) Describe fully the proposed work and give the total cost of the project.

   (*b*) State the time required to start the project and to complete it.

4. Submit a map or sketch of the property involved showing a plan (and cross section, if needed) of the present mine workings and the *location of the proposed exploration work* as related to geologic features, such as contacts, veins, ore-bearing beds, etc.

5. Furnish an itemized list of existing facilities, buildings, installations, and fixtures with a statement of the cost of any necessary rehabilitation or repairs to put into useful and operable condition.

6. Furnish a detailed list of additional facilities, buildings, and fixtures to be purchased, installed, or erected by you, with the estimated cost of each item.

7. Furnish a detailed list of operating equipment, separated into items to be—

   (*a*) Rented

   (*b*) Purchased

   (*c*) Furnished by you

   with the rental, purchase price, or depreciation of each item, as the case may be, to be charged as a cost of the project.

8. Furnish an itemized schedule of labor, by numbers and classes (miners, muckers, etc.) and of supervisors by numbers and positions, with the maximum wages or salaries to be paid to each.

9. Furnish a detailed list with estimated cost of each item for materials, supplies, engineering, assaying, accounting, power, water, utilities, and any other items not provided for above.

10. (*a*) How much are you prepared to invest in the proposed project?

    (*b*) Is this amount sufficient to pay your part of the cost of the project, in accordance with the regulations on Government participation (Sec. 9 of MO–5)?

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

## 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.

LEAD KING MINES, INC.
(Name of company)

By James H. McCarthy
(Signature of authorized official)

December 20, 1952
(Date)

President
(Title)

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

U. S. GOVERNMENT PRINTING OFFICE 16—64067-2

MF-103

LEAD KING MINES, INC.
Las Vegas, Nevada

1 (a) The property that will be included in the exploration program consists of 4 lode claims namely: Lead Ledge, Lead Ledge No. 1, Lead Ledge No. 2, and Lead Dyke. These claims are situated in the southeast quarter of Section 6 and Northeast quarter of section 7, T 19 S; R 63 E.

(b) Owner of property.

(c) Same as (a) . See Claims Map Exhibit No. 2.

2 (a) Lead, silver, and zinc.

(b) The country rock consists of dolomitic limestone of a similar period to the Goodsprings Nevada Dolomites (30 miles to the southwest with a past record production of approximately 30 million dollars.) The ore deposit contains primary minerals namely galena and is confined to a ledge in which the development to date has proven the ore body to be widening with depth. The areas exposed have proven the existance of a commercial ore body contained in the ledge. See report Exhibit No. 3

3 (a) We propose to (1) Sink the present shaft to the water level, which we believe to be less than 150 feet below the present bottom of shaft that is now X 242 ft. deep. We also plan to cross-cut and drift when we get to the water level. (2) To cross-cut on the 135 ft. level at the East face approximately 50 ft. to the footwall of the ledge. (3) To drift on the west end on 135 ft. level for 100 feet approximately to open up showings of galena which have appeared. (4) To trench the surface exposure on the south. (5) To trench the surface exposures on the east. The total cost of the project would be approximately $30,000.

(b) The proposed work can be completed in 120 days. The starting period is at once as the property in in working order.

4. See exhibit No. 2 and 4.

5. Gasoline hoist 15 HP
Air compressor 105 cuft.
air hose 800 ft.
jack hammers - 2
air and water pipe installed

2 trailers for housing
change shed
tool shed
hoist house

all equipment and buildings in good condition and in operation. Does not need repair at present time.

6. None

7. (a) Rented none
(b) Purchased-none
(c) Furnished

| | | | | |
|---|---|---|---|---|
| Compressor | 90 days | $300. | | |
| Truck | " " | 270. | | |
| Hoist | " " | 120. | | |
| Jack Hammers | " " | 200. | | |
| Pipe and Rail | " " | 30. | $920. | |

8.

| | | |
|---|---|---|
| 4 Miners (shaftmen) | $18. | per day |
| 4 Muckers | 18. | " " |
| 2 Surface men | 16. | " " |
| 2 Hoist Men | 16. | " " |
| 1 Foreman | 25. | " " |

LEAD KING MINES, INC.
LAS VEGAS, NEVADA



9.

| | | |
|---|---|---|
| Timber 30,000 @ $75. per M | $2,000 | |
| rails 10 tons - 1000' @ $100 pertonl | ,000 | |
| Powder | 1,500 | |
| Electric blasting equipment | 500 | |
| gas,oil,grease (for power and water) | 2,000 | |
| air line 2"-Additional | 900 | |
| water line 3/4" additional | 450. | |
| vent pipe 8" additional | 500. | |
| Miscellaneous | 750. | 9,600. |
| Engineering | 500. | |
| Assaying | 300. | |
| Accounting | 400. | |
| Insurance Industrial | 1,850 | |
| Miscellaneous Expense | 574. | 3,624. |
| Labor | | 16,776 |
| | | 30,000. |

10. $15,000.

(b) Yes

Exhibit No 1

Las Vegas, Nevada
September 4, 1952

Mr. Eugene G. Moyne
701 South Ninth St.
Las Vegas, Nevada

RE: Lead King Mines, Inc.

Dear Mr. Moyne:

Following is discussion of Lead King Mines, Inc. property which I have examined at your request:

SUMMARY

The Lead King Mines, Inc., property consisting of four unpatented claims, located sixteen miles northeast of Las Vegas, Nevada, three miles off Highway 93. The property is found to be at a stage of surface and underground development, showing ore of sufficient quantity and grade to warrant further expenditure toward delineating an ore body to justify installation of mine production equipment and a metallurgical treatment plant.

The incline shaft, 235 feet deep and lateral workings, of some 450 feet therefrom have been mucked out and repaired making ready access by ladder or cable and bucket hoist for inspection and sampling. The main vein is traceable for approximately 800 feet along the strike on the surface. Development has exposed some 50,000 tons of ore conversatively estimated to carry values of $20.00 per ton based upon 15¢ lead.

CONCLUSIONS

An expenditure of $10,000.00 to provide for a crosscut 100 feet to the hanging wall from the lower level and sink a winze from the 135 foot level to the lower level, approximately 115 feet, should determine whether or not the ore carries down to the 235 foot or lower level. Such expenditure also provides for necessary surface cuts along the strike of vein over approximately 800 feet.

With completion of the above exploration work to include sampling and measurement, information will be available to determine the economic value of the property at which time decisions can be made for exploitation. It is recommended that the expenditure be made accordingly.

HISTORY, MAPS, ETC.

Written records are not available except for substantiation of two to three carloads of ore having been shipped by the original owners and subsequent lessors about the period of the first World War. The property was shown on the County Maps as included in the local Airforce Bombing Range but present owners found it to be outside the boundary and made acquisition accordingly.

All Maps referred to during examination were made by Mr. Jas. H. McCarthy and are in his possession as are assay records, etc. It was agreed that we would use the data submitted and supplement by visual inspection and base our conclusions accordingly.

GEOLOGY

The ore shoot occurs at an intersection of faults in limestone, the country rock, where alteration and brecciation has taken place, resulting in impregnation of galena in widths up to 20 feet. Associated minerals are silver and zinc sulphides.

ORE RESERVES

It is conservatively estimated that there is now available some 50,000 tons of $20.00 ore above the 135' level. Further, there is a probable ore body of some 50,000 tons between the 135 and 235 foot levels along with definite prospects for a considerable body of ore of good milling grade, yet to be exposed, along the strike of the vein on the Lead Dyke and Lead Ledge claims. This last operation is expected to develop into an open pit site for low cost mining.

EVALUATION OF PROPERTY

We are agreed that evaluation shall be postponed until the above development program has been completed.

You are familiar with equipment on the property and progress to date, which is creditable as to workmanship and efficiency. The present status of the property and prospects for development of a sizeable ore body presenting possibility for economic exploitation, financial requirements market conditions for the product and anticipated returns have been discussed in detail. These discussions and the present showing at the property are the basis for recommendation of the above mentioned expenditure.

Very truly yours,

A. B. Campbell

Member: A.I.M.E.

Exhibit No. 3

LEAD KING MINES, INC.
LAS VEGAS, NEVADA

Synopsis Report

MINE: 4 Lode Claims. Lead Ledge, Lead Ledge No. 1, Lead Ledge No. 2, and Lead Dyke.

AREA & LOCATION: 16 miles northeast of Las Vegas, Nevada, situated on the extreme southeast slope of the Las Vegas Range. 1½ mile distance north of Union Pacific Railroad loading ramp; 3 miles distance from U. S. Hiway 91 and 93.

OWNER: Lead King Mines, Inc. 216 North 5th St. Box 1896, Las Vegas, Nev.

GEOLOGY-VEIN: The country rock is limestone traversed by three fault fissures, which junction and intersect at a common point. At this station the altered and brecciated gangue is impregnated with galena, in commercial mineable widths from 2 to 20 ft.

DEVELOPMENT: The main shaft was sunk on the slope of the vein at 45°, in the ore shoot to the 242 ft. level. A sub-surface level at 30 ft., exposes the ore shoot for a length of 50 ft. Cross-cuts expose widths of 4 to 15 ft. of commercial ore on this level.

The 135 ft. level, drifts 150 ft. westerly and 100 ft. easterly exposing 120 ft. length in the ore shoot. On this station widths in ore vary from 4 to 20 ft., the depositions range from 3 to 15% lead in this zone. A recent winze sunk 30 ft. down at this station exposes 39" of 40% lead ore. The enrichment continues to the 242 ft. level but is not developed by laterals in the ore zone.

REMARKS: The property has the features of a primary type ore shoot. The ore can be readily beneficiated by concentration. There is a probable 50,000 tons of ore from the 135 ft. level to the surface and approximately 1,000 tons of 10% ore on the dumps ready for milling.

Equipment consists of 30 ft. headframe; heavy duty Fairbanks-Morse hoist and engine; 105 cuft. compressor and receiver; jack hammers and hose; water tanks; rails; cars; blacksmith equipment etc.

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. DMEA-2836

Date received 1/5/53

LEAD KING MINES, INC.
BOX 1896
LAS VEGAS, NEVADA

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JAN 5 1953

Name and address of applicant

Date December 20, 1952

## 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?
   (*b*) What are the byproducts, if any?
2. Name(s) and type(s) of mine(s), mill(s), smelter(s), refinery(ies), pit(s), quarry (ies), drilling operation(s). Include old names of property, if any. Show extent of workings, including the following:
   (*a*) Linear feet of shafts.
   (*b*) Linear feet of drifts and crosscuts.
   (*c*) Linear feet of tunnels or adits.
   (*d*) Linear feet of other mine openings (explain briefly).

   Indicate whether mine is flooded or not. Describe any pumping problems. Give size or productive capacity.
3. For each operation listed above supply the following:
   (*a*) Distance and direction from nearest town and shipping point.
   (*b*) Mining district.
   (*c*) Township, Section, Range.
   (*d*) County, State.
4. (*a*) State whether or not property is now in operation, and if in operation, by whom operated.
   (*b*) Are you operating this property as:
   - ☐ Owner.
   - ☐ Lessee.
   - ☐ Contractor.
5. Number of years in production _____

   If not in production or operation, estimated date when production will begin _____
6. Experience of operators:

   Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who manage the project.
7. History:
   (*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for suspension of operation.
   (*b*) State briefly the known history and production of adjoining and neighboring properties.
   (*c*) Furnish any available (private) reports that may apply to this application, including results of mine examinations, recommended exploration and development, and metallurgical investigations.

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) |
|---|---|---|---|---|---|---|---|
| James H. McCarthy 216 North 5th St. L.V. | President D | none | none | 300,000 | none | none | none |
| Richard L. Neville 216 N.5th Las Vegas,N | Secy-Treas D | none | none | 300,000 | none | none | none |
| Herschel Conley 328 Bartlett Las Vegas | D | daily wages | 5,000 | 15,000 | none | none | none |
| Eugene Moyne & Assoc. 701 S. 7th Las Vegas | | none | unknown | 700,000 | none | none | none |
| Kalmanir,Kline and Co. 110 N 3rd Las Vegas,N | | none | unknown | 250,000 | none | none | none |
| William P. Sellers Las Vegas, Nevada | | none | unknown | 35,000 | none | none | none |
| Frank McAuley Las Vegas, Nevada | | none | unknown | 32,500 | none | none | none |
| | Total | | x x x x x | 1,632,500 | | x x x x x | x x x x x |

If more lines are needed continue on separate sheet.

9. Capital Stock Issues:

**For Corporate Applicants**

| Item | Authorized (a) | Outstanding (b) | Par Value (c) | Number of Shares Outstanding (d) | Dividend Rate Last Paid* (e) |
|---|---|---|---|---|---|
| Common stock | $ 500,000 | $ 200,000 | $ 0.10 | 2,000,000 | none |
| Preferred stock | $ none | $ none | $ none | none | none |

*Indicate period covered.

10. Production:

| Item | Kind of Product (a) | 1948 Total (b) | 1949 Total (c) | 1950 Total (d) | Present Average Monthly (e) |
|---|---|---|---|---|---|
| 1. Quantity of product mined or quarried (Short, long, metric tons; barrels; pounds; etc.) | Lead | No production on property. | | | |
| 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) | 2 cars- | 59% hand | sorted. | Galena. | |

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. Still in stages of development

12. Ore or Mineral Reserves:

(a) Describe the ore or mineral deposit briefly. Accompany the application by any available report on the geology and ore reserves. See Report See Exhibit No 2 and 3

(*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. Assay map to follow

(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: To follow

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) | Map to follow | | | | |
| 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.

14. Water Supply:

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

15. Power:

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

16. Labor:

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

17. Equipment and Facilities:

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

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

CERTIFICATION

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

Lead King Mines, Inc. (Name of company)

By James N. Morris (Signature of authorized official)

December 20, 1952 (Date)

President (Title)

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

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

Form MF-100

LEAD KING MINES, INC.
Box 1696 Las Vegas, Nevada

1. a) Lead
   b) Silver Zinc.

2. Lead King Mines, Inc. which is a lode mine, with both underground operation and open pit or surface workings. No mill installed on property. No smelter or refinery. No pit opened yet but in process of starting. No Quarry. Pneumatic drilling operation. The property was formerly opened up underground under name of Spearmaid.
a) There are a 242 ft. shaft, a 70 ft. shaft and a 30 ft. winze.

b) There are 712 ft. of drifts and cross-cuts.

c) Adit of 60 ft.

d) 50 ft. open cuts for vein exposure.

The mine is dry.

3. The mine is located 16 miles northeast of Las Vegas, Nevada on good gravel road for 3 miles and paved hi-way #91-93 for 13 miles. Ore can be shipped by U. P. R. R. 1½ miles distance from mine.

b) Unknown mining district in Las Vegas Mountain Range.

c) Township - T - 19 - S, Section 6-7, Range R - 63 - E MDM

d) Clark County, Nevada

4. a) The property is now being developed by owners.

b) Owner

5. Not in Production. Expected to begin July 1953.

6. a b) The applicant and management has had 20 years in mine development, rehabilitation, and operation experience. Reference, Department of Mineral Resources - State of Arizona.

7. a) Property was explored and developed by 2 shafts, one 70 ft. and one 250 ft. Adits of 60 ft. and open stope to surface and underhand stoping at this level. At 50 ft. station a drift of 20 ft. At 135 ft. station drifts of 260 ft. and cross-cuts of 112 ft. A winze of 30 ft. and raises of 40 ft. At the 250 ft. station, drifts and cross-cuts of 210 ft. Reference: Mineral Resources of the U. S. 1926 Part I Metals page 530. under Dyke Dristrict; also Minerals Resources of the Region Around Boulder Dam, page 54, under Dike. Also Minerals in Nevada- 2 cars of Galena ore averaging 59% Pb. Reason of suspension was the low price of metals.

b) Gass Peak - 6 miles northwesterly. Reference Geological Survey Bulletin 871 page 55. Area now withdrawn by government, in Air Force Gunnery Range.

c) See Report by Campbell. (See Exhibit No. 1)

Form MF-100

Lead King Mines, Inc.
Box 1896 Las Vegas, Nevada



13. Good Graded gravel road to RR shipping point 1½ miles; 3 miles good gravel graded road to paved U.S. Hiway #91 and 93, and 16 miles total to Las Vegas, Nevada.

14. 1 mile from proven artesian water district. Wells to be drilled.

15. Electric power available approximately 3000 ft. distance. Power origin at Hoover Dam.

16. 1 hoist man, 1 mucker, and 1 miner.

17. Hoist house, change room, tool shed, 2 trailers all in good condition. Hoist, compressor, 2 jack hammers, steel, bits etc. rail, cars, water pipe and air pipe, water supply tanks, truck all in good condition.

Form MF-103
(Revised June 1951)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

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Name and address of applicant

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4. Submit a map or sketch of the property involved showing a plan (and cross section, if needed) of the present mine workings and the *location of the proposed exploration work* as related to geologic features, such as contacts, veins, ore-bearing beds, etc.

5. Furnish an itemized list of existing facilities, buildings, installations, and fixtures with a statement of the cost of any necessary rehabilitation or repairs to put into useful and operable condition.

6. Furnish a detailed list of additional facilities, buildings, and fixtures to be purchased, installed, or erected by you, with the estimated cost of each item.

7. Furnish a detailed list of operating equipment, separated into items to be—

   (*a*) Rented

   (*b*) Purchased

   (*c*) Furnished by you

   with the rental, purchase price, or depreciation of each item, as the case may be, to be charged as a cost of the project.

8. Furnish an itemized schedule of labor, by numbers and classes (miners, muckers, etc.) and of supervisors by numbers and positions, with the maximum wages or salaries to be paid to each.

9. Furnish a detailed list with estimated cost of each item for materials, supplies, engineering, assaying, accounting, power, water, utilities, and any other items not provided for above.

10. (*a*) How much are you prepared to invest in the proposed project?

    (*b*) Is this amount sufficient to pay your part of the cost of the project, in accordance with the regulations on Government participation (Sec. 9 of MO–5)?

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

## 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.

LEAD KING MINES, INC.
(Name of company)

By James N. McCarthy
(Signature of authorized official)

December 20, 1952
(Date)

President
(Title)

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

U. S. GOVERNMENT PRINTING OFFICE 16—64067-2

LEAD KING MINES, INC.
Las Vegas, Nevada

1 (a) The property that will be included in the exploration program consists of 4 lode claims namely: Lead Ledge, Lead Ledge No. 1, Lead Ledge No. 2, and Lead Dyke. These claims are situated in the southeast quarter of Section 6 and Northeast quarter of section 7, T 19 S; R 63 E.

(b) Owner of property.

(c) Same as (a) . See Claims Map Exhibit No. 2.

2 (a) Lead, silver, and zinc.

(b) The country rock consists of dolomitic limestone of a similar period to the Goodsprings Nevada Dolomites (30 miles to the southwest with a past record production of approximately 30 million dollars.) The ore deposit contains primary minerals namely galena and is confined to a ledge in which the development to date has proven the ore body to be widening with depth. The areas exposed have proven the existance of a commercial ore body contained in the ledge. See report Exhibit No. 3

3 (a) We propose to (1) Sink the present shaft to the water level, which we believe to be less than 150 feet below the present bottom of shaft that is now X 242 ft. deep. We also plan to cross-cut and drift when we get to the water level. (2) To cross-cut on the 135 ft. level at the East face approximately 50 ft. to the footwall of the ledge. (3) To drift on the west end on 135 ft. level for 100 feet approximately to open up showings of galena which have appeared. (4) To trench the surface exposure on the south. (5) To trench the surface exposures on the east. The total cost of the project would be approximately $30,000.

(b) The proposed work can be completed in 120 days. The starting period is at once as the property in in working order.

4. See exhibit No. 2 and 4.

5. Gasoline hoist 15 HP
Air compressor 105 cuft.
air hose 800 ft.
jack hammers - 2
air and water pipe installed

2 trailers for housing
change shed
tool shed
hoist house

all equipment and buildings in good condition and in operation. Does not need repair at present time.

6. None

7. (a) Rented none
(b) Purchased-none
(c) Furnished

| | | | | |
|---|---|---|---|---|
| Compressor | 90 days | $300. | | |
| Truck | " " | 270. | | |
| Hoist | " " | 120. | | |
| Jack Hammers | " " | 200. | | |
| Pipe and Rail | " | 30. | $920. | |

8.

| | | |
|---|---|---|
| 4 Miners (shaftmen) | $18. | per day |
| 4 Muckers | 18. | " " |
| 2 Surface men | 16. | " " |
| 2 Hoist Men | 16. | " " |
| 1 Foreman | 25. | " " |

LEAD KING MINES, INC.
LAS VEGAS, NEVADA



9.

| | | |
|---|---|---|
| Timber 30,000 @ $75. per M | $2,000 | |
| rails 10 tons - 1000' @ $100 perton | 1,000 | |
| Powder | 1,500 | |
| Electric blasting equipment | 500 | |
| gas,oil,grease (for power and water) | 2,000 | |
| air line 2"-Additional | 900 | |
| water line 3/4" additional | 450. | |
| vent pipe 8" additional | 500. | |
| Miscellaneous | 750. | 9,600. |
| Engineering | 500. | |
| Assaying | 300. | |
| Accounting | 400. | |
| Insurance Industrial | 1,850 | |
| Miscellaneous Expense | 574. | 3,624. |
| Labor | | 16,776 |
| | | 30,000. |

10. $15,000.

(b) Yes

January 6, 1953

Mr. James H. McCarthy
Lead King Mines, Inc.
Box 1896
Las Vegas, Nevada

Subject: DMEA-2836
Re: Exploration Assistance

My dear Mr. McCarthy:

The receipt of your application dated December 20, 1952 for exploration assistance under the Defense Production Act of 1950, as amended, is hereby acknowledged.

Your application has been assigned Docket Number DMEA-2836 and referred to the Base Metals Division.

Kindly refer to DMEA-2836 in any future correspondence relating to your application.

Sincerely yours,

ROBERT E. ADAMS

Robert E. Adams, Chief
Operation's Control and
Statistics Division

25451

# LEAD KING MINES, Inc.

LAS VEGAS, NEVADA

Box 1896

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JAN 5 1953

December 21, 1952

DMEA
c/o Mr. Mittendorf
Dept. of Interior
Washington, D. C.

Gentlemen:

Enclosed herewith please find forms MF-100 and MF-103 filled out to apply for a Defense Mineral Exploration loan and also for a priority rating if one is needed at this time.

We were unable to have a complete assay report map to accompany this application however, we hope to have maps etc. completed and forwarded at an early date. We thought it advisable to get the application in as soon as possible.

We will appreciate if you will advise us if you need any additional information that will help your OKing and passing this loan.

Yours truly,

LEAD KING MINES, INC.

Richard L. Neville

Richard L. Neville, Secy.

Form MF-103
(Revised June 1951)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Budget Bureau No. 42-R1035.1.

MF-103 Should Be Filed With General Technical Data Form MF-100

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

*Not To Be Filled in by Applicant*

Docket No. DMA EA-2836
Metal or Mineral
Date Received 1/5/53
Amount $
Participation (Government %)

LEAD KING MINES, INC.
BOX 1896
LAS VEGAS, NEVADA

Name and address of applicant

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JAN 5 1953

Date December 20, 1952

If you have already filed MF-100, give date filed _____, type of assistance requested _____,

DMA Docket Number (if available) _____

## INSTRUCTIONS

Read Mineral Order 5, Regulations Governing Government Aid in Defense Projects, before completing this application. Submit four copies each, of the signed application form, General Technical Data Form MF-100, and answers to questions as specified, to Defense Minerals Administration, Department of the Interior, Washington 25, D. C., or to the nearest field executive office thereof, with your name and address on each sheet of the application and all accompanying papers. If you have previously filed MF-100, it is not necessary to file it again. However, you should indicate in space provided above the type of assistance previously applied for (loans, procurement contracts, etc.) and DMA Docket Number, if available. *When a question is inapplicable it should be so stated in the form.* Additional sheets should be attached in answering any questions or in supplying additional information. IF YOU CANNOT ANSWER A QUESTION, SO STATE.

1. (*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*) If you are not the owner of the property, submit a copy of the lease, purchase option, or other agreements under which you are authorized to operate the property with each copy of your application.

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

   NOTE: (1) 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 (*c*) 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.

   (2) If applicant is not the owner of the property or if there are any liens or encumbrances against the property, copy of agreements of claimants, lienors, encumbrances, and lessors subordinating their interests in the property to the interest of the Government under the Exploration Project Contract will be required for attachment to the Contract.

2. (*a*) What metals or minerals do you expect to find?

   (*b*) Furnish statement of the geologic features of your property, giving type of ore deposit and reasons for expecting to find commercial ore bodies. Illustrate with maps or sketches. If you have a geologic or engineering report, or assay maps showing width and grade, please send them with application, stating whether or not you wish to have them returned.

The information requested in questions 3, 4, 5, 6, 7, 8, and 9 below should be answered specifically and in detail, as this information will be attached to and incorporated as part of the Exploration Project Contract, if such contract is entered into with you by the Government.

ANSWER EACH QUESTION ON SEPARATE SHEETS OF PAPER AND SUBMIT A COPY OF EACH ANSWER FOR EACH COPY OF YOUR APPLICATION.

3. (*a*) Describe fully the proposed work and give the total cost of the project.

   (*b*) State the time required to start the project and to complete it.

4. Submit a map or sketch of the property involved showing a plan (and cross section, if needed) of the present mine workings and the *location of the proposed exploration work* as related to geologic features, such as contacts, veins, ore-bearing beds, etc.

5. Furnish an itemized list of existing facilities, buildings, installations, and fixtures with a statement of the cost of any necessary rehabilitation or repairs to put into useful and operable condition.

6. Furnish a detailed list of additional facilities, buildings, and fixtures to be purchased, installed, or erected by you, with the estimated cost of each item.

7. Furnish a detailed list of operating equipment, separated into items to be—

   (*a*) Rented

   (*b*) Purchased

   (*c*) Furnished by you

   with the rental, purchase price, or depreciation of each item, as the case may be, to be charged as a cost of the project.

8. Furnish an itemized schedule of labor, by numbers and classes (miners, muckers, etc.) and of supervisors by numbers and positions, with the maximum wages or salaries to be paid to each.

9. Furnish a detailed list with estimated cost of each item for materials, supplies, engineering, assaying, accounting, power, water, utilities, and any other items not provided for above.

10. (*a*) How much are you prepared to invest in the proposed project?

    (*b*) Is this amount sufficient to pay your part of the cost of the project, in accordance with the regulations on Government participation (Sec. 9 of MO–5)?

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

## 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.

LEAD KING MINES, INC.
(Name of company)

By James R. McCarthy
(Signature of authorized official)

December 20, 1952
(Date)

President
(Title)

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

U. S. GOVERNMENT PRINTING OFFICE 16—64067-2

MF-103

LEAD KING MINES, INC.
Las Vegas, Nevada

1 (a) The property that will be included in the exploration program consists of 4 lode claims namely: Lead Ledge, Lead Ledge No. 1, Lead Ledge No. 2, and Lead Dyke. These claims are situated in the southeast quarter of Section 6 and Northeast quarter of section 7, T 19 S; R 63 E.

(b) Owner of property.

(c) Same as (a) . See Claims Map Exhibit No. 2.

2 (a) Lead, silver, and zinc.

(b) The country rock consists of dolomitic limestone of a similar period to the Goodsprings Nevada Dolomites (30 miles to the southwest with a past record production of approximately 30 million dollars.) The ore deposits contains primary minerals namely galena and is confined to a ledge in which the development to date has proven the ore body to be widening with depth. The areas exposed have proven the existance of a commercial ore body contained in the ledge. See report Exhibit No. 3

3 (a) We propose to (1) Sink the present shaft to the water level, which we believe to be less than 150 feet below the present bottom of shaft that is now X 242 ft. deep. We also plan to cross-cut and drift when we get to the water level. (2) To cross-cut on the 135 ft. level at the East face approximately 50 ft. to the footwall of the ledge. (3) To drift on the west end on 135 ft. level for 100 feet approximately to open up showings of galena which have appeared. (4) To trench the surface exposure on the south. (5) To trench the surface exposures on the east. The total cost of the project would be approximately $30,000.

(b) The proposed work can be completed in 120 days. The starting period is at once as the property in in working order.

4. See exhibit No. 2 and 4.

5. Gasoline hoist 15 HP
Air compressor 105 cuft.
air hose 800 ft.
jack hammers - 2
air and water pipe installed

2 trailers for housing
change shed
tool shed
hoist house

all equipment and buildings in good condition and in operation. Does not need repair at present time.

6. None

7. (a) Rented none
(b) Purchased-none
(c) Furnished

| | | | | |
|---|---|---|---|---|
| Compressor | 90 days | $300. | | |
| Truck | " " | 270. | | |
| Hoist | " " | 120. | | |
| Jack Hammers | " " | 200. | | |
| Pipe and Rail | " " | 30. | $920. | |

8.

| | | |
|---|---|---|
| 4 Miners (shaftmen) | $18. | per day |
| 4 Muckers | 18. | " " |
| 2 Surface men | 16. | " " |
| 2 Hoist Men | 16. | " " |
| 1 Foreman | 25. | " " |

LEAD KING MINES, INC.
LAS VEGAS, NEVADA



9.

| | | |
|---|---|---|
| Timber 30,000 @ $75. per M | $2,000 | |
| rails 10 tons - 1000' @ $100 perton | 1,000 | |
| Powder | 1,500 | |
| Electric blasting equipment | 500 | |
| gas,oil,grease (for power and water) | 2,000 | |
| air line 2"-Additional | 900 | |
| water line 3/4" additional | 450. | |
| vent pipe 8" additional | 500. | |
| Miscellaneous | 750. | 9,600. |
| Engineering | 500. | |
| Assaying | 300. | |
| Accounting | 400. | |
| Insurance Industrial | 1,850 | |
| Miscellaneous Expense | 574. | 3,624. |
| Labor | | 16,776 |
| | | 30,000. |

10. $15,000.

(b) Yes

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. dm 64-2836

Date received 1/5/53

LEAD KING MINES, INC.
BOX 1896
LAS VEGAS, NEVADA

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JAN 5 1953

Name and address of applicant

Date December 20, 1952

## 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?
   (*b*) What are the byproducts, if any?
2. Name(s) and type(s) of mine(s), mill(s), smelter(s), refinery(ies), pit(s), quarry (ies), drilling operation(s). Include old names of property, if any. Show extent of workings, including the following:
   (*a*) Linear feet of shafts.
   (*b*) Linear feet of drifts and crosscuts.
   (*c*) Linear feet of tunnels or adits.
   (*d*) Linear feet of other mine openings (explain briefly).

   Indicate whether mine is flooded or not. Describe any pumping problems. Give size or productive capacity.
3. For each operation listed above supply the following:
   (*a*) Distance and direction from nearest town and shipping point.
   (*b*) Mining district.
   (*c*) Township, Section, Range.
   (*d*) County, State.
4. (*a*) State whether or not property is now in operation, and if in operation, by whom operated.
   (*b*) Are you operating this property as:
   - ☐ Owner.
   - ☐ Lessee.
   - ☐ Contractor.
5. Number of years in production _____

   If not in production or operation, estimated date when production will begin _____
6. Experience of operators:

   Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who manage the project.
7. History:
   (*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for suspension of operation.
   (*b*) State briefly the known history and production of adjoining and neighboring properties.
   (*c*) Furnish any available (private) reports that may apply to this application, including results of mine examinations, recommended exploration and development, and metallurgical investigations.

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) |
|---|---|---|---|---|---|---|---|
| James H. McCarthy 216 North 5th St. L.V. | President D | none | none | 300,000 | none | none | none |
| Richard L. Neville 216 N.5th Las Vegas,N | Secy-Treas D | none | none | 300,000 | none | none | none |
| Herschel Conley 328 Bartlett Las Vegas | D | daily wages | 5,000 | 15,000 | none | none | none |
| Eugene Moyne & Assoc. 701 S. 7th Las Vegas | | none | unknown | 700,000 | none | none | none |
| Kalmanir,Kline and Co. 110 N 3rd Las Vegas,N | | none | unknown | 250,000 | none | none | none |
| William P. Sellers Las Vegas, Nevada | | none | unknown | 35,000 | none | none | none |
| Frank McAuley Las Vegas, Nevada | | none | unknown | 32,500 | none | none | none |
| | Total | | x x x x | 1,632,500 | | x x x x x | x x x x x |

If more lines are needed continue on separate sheet.

9. Capital Stock Issues:

**For Corporate Applicants**

| Item | Authorized (a) | Outstanding (b) | Par Value (c) | Number of Shares Outstanding (d) | Dividend Rate Last Paid* (e) |
|---|---|---|---|---|---|
| Common stock | $ 500,000 | $ 200,000 | $ 0.10 | 2,000,000 | none |
| Preferred stock | $ none | $ none | $ none | none | none |

*Indicate period covered.

10. Production:

| Item | Kind of Product (a) | 1948 Total (b) | 1949 Total (c) | 1950 Total (d) | Present Average Monthly (e) |
|---|---|---|---|---|---|
| 1. Quantity of product mined or quarried (Short, long, metric tons; barrels; pounds; etc.) | Lead | No production on property. | | | |
| 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) | 2 cars- | 59% hand sorted. | | Galena. | |

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. Still in stages of development

12. Ore or Mineral Reserves:

(a) Describe the ore or mineral deposit briefly. Accompany the application by any available report on the geology and ore reserves. See Report Exhibit No. [illegible] AND 3.

(*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. Assay map to follow

(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: To follow

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) | Map to follow | | | | |
| 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.

14. Water Supply:

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

15. Power:

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

16. Labor:

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

17. Equipment and Facilities:

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

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

CERTIFICATION

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

Lead King Mines, Inc.
(Name of company)

By James N. McCarthy
(Signature of authorized official)

December 20, 1952
(Date)

President
(Title)

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

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

Form MF-100

LEAD KING MINES, INC.
Box 1896 Las Vegas, Nevada

1. a) Lead
   b) Silver Zinc.

2. Lead King Mines, Inc. which is a lode mine, with both underground operation and open pit or surface workings. No mill installed on property. No smelter or refinery. No pit opened yet but in process of starting. No Quarry. Pneumatic drilling operation. The property was formerly opened up underground under name of Spearmaid.
a) There are a 242 ft. shaft, a 70 ft. shaft and a 30 ft. winze.

b) There are 712 ft. of drifts and cross-cuts.

c) Adit of 60 ft.

d) 50 ft. open cuts for vein exposure.

The mine is dry.

3. The mine is located 16 miles northeast of Las Vegas, Nevada on good gravel road for 3 miles and paved hi-way #91-93 for 13 miles. Ore can be shipped by U. P. R. R. 1½ miles distance from mine.

b) Unknown mining district in Las Vegas Mountain Range.

c) Township - T - 19 - S, Section 6-7, Range R - 63 - E MDM

d) Clark County, Nevada

4. a) The property is now being developed by owners.

b) Owner

5. Not in Production. Expected to begin July 1953.

6. a b) The applicant and management has had 20 years in mine development, rehabilitation, and operation experience. Reference, Department of Mineral Resources - State of Arizona.

7. a) Property was explored and developed by 2 shafts, one 70 ft. and one 250 ft. Adits of 60 ft. and open stope to surface and underhand stoping at this level. At 50 ft. station a drift of 20 ft. At 135 ft. station drifts of 260 ft. and cross-cuts of 112 ft. A winze of 30 ft. and raises of 40 ft. At the 250 ft. station, drifts and cross-cuts of 210 ft. Reference: Mineral Resources of the U. S. 1926 Part I Metals page 530. under Dyke Dristrict; also Minerals Resources of the Region Around Boulder Dam, page 54, under Dike. Also Minerals in Nevada- 2 cars of Galena ore averaging 59% Pb. Reason of suspension was the low price of metals.

b) Gass Peak - 6 miles northwesterly. Reference Geological Survey Bulletin 871 page 55. Area now withdrawn by government, in Air Force Gunnery Range.

c) See Report by Campbell. (Exhibit No. 1)

13. Good Graded gravel road to RR shipping point 1½ miles; 3 miles good gravel graded road to paved U.S. Hiway #91 and 93, and 16 miles total to Las Vegas, Nevada.

14. 1 mile from proven artesian water district. Wells to be drilled.

15. Electric power available approximately 3000 ft. distance. Power origin at Hoover Dam.

16. 1 hoist man, 1 mucker, and 1 miner.

17. Hoist house, change room, tool shed, 2 trailers all in good condition. Hoist, compressor, 2 jack hammers, steel, bits etc. rail, cars, water pipe and air pipe, water supply tanks, truck all in good condition.

Exhibit No 1

Las Vegas, Nevada
September 4, 1952

Mr. Eugene G. Moyne
701 South Ninth St.
Las Vegas, Nevada

RE: Lead King Mines, Inc.

Dear Mr. Moyne:

Following is discussion of Lead King Mines, Inc. property which I have examined at your request:

SUMMARY

The Lead King Mines, Inc., property consisting of four unpatented claims, located sixteen miles northeast of Las Vegas, Nevada, three miles off Highway 93. The property is found to be at a stage of surface and underground development, showing ore of sufficient quantity and grade to warrant further expenditure toward delineating an ore body to justify installation of mine production equipment and a metallurgical treatment plant.

The incline shaft, 235 feet deep and lateral workings, of some 450 feet therefrom have been mucked out and repaired making ready access by ladder or cable and bucket hoist for inspection and sampling. The main vein is traceable for approximately 800 feet along the strike on the surface. Development has exposed some 50,000 tons of ore conversatively estimated to carry values of $20.00 per ton based upon 15¢ lead.

CONCLUSIONS

An expenditure of $10,000.00 to provide for a crosscut 100 feet to the hanging wall from the lower level and sink a winze from the 135 foot level to the lower level, approximately 115 feet, should determine whether or not the ore carries down to the 235 foot or lower level. Such expenditure also provides for necessary surface cuts along the strike of vein over approximately 800 feet.

With completion of the above exploration work to include sampling and measurement, information will be available to determine the economic value of the property at which time decisions can be made for exploitation. It is recommended that the expenditure be made accordingly.

HISTORY, MAPS, ETC.

Written records are not available except for substantiation of two to three carloads of ore having been shipped by the original owners and subsequent lessors about the period of the first World War. The property was shown on the County Maps as included in the local Airforce Bombing Range but present owners found it to be outside the boundary and made acquisition accordingly.

All Maps referred to during examination were made by Mr. Jas. H. McCarthy and are in his possession as are assay records, etc. It was agreed that we would use the data submitted and supplement by visual inspection and base our conclusions accordingly.

GEOLOGY

The ore shoot occurs at an intersection of faults in limestone, the country rock, where alteration and brecciation has taken place, resulting in impregnation of galena in widths up to 20 feet. Associated minerals are silver and zinc sulphides.

ORE RESERVES

It is conservatively estimated that there is now available some 50,000 tons of $20.00 ore above the 135' level. Further, there is a probable ore body of some 50,000 tons between the 135 and 235 foot levels along with definite prospects for a considerable body of ore of good milling grade, yet to be exposed, along the strike of the vein on the Lead Dyke and Lead Ledge claims. This last operation is expected to develop into an open pit site for low cost mining.

EVALUATION OF PROPERTY

We are agreed that evaluation shall be postponed until the above development program has been completed.

You are familiar with equipment on the property and progress to date, which is creditable as to workmanship and efficiency. The present status of the property and prospects for development of a sizeable ore body presenting possibility for economic exploitation, financial requirements market conditions for the product and anticipated returns have been discussed in detail. These discussions and the present showing at the property are the basis for recommendation of the above mentioned expenditure.

Very truly yours,

A. B. Campbell

Member: A.I.M.E.

Exhibit No. 3

LEAD KING MINES, INC.
LAS VEGAS, NEVADA

Synopsis Report

MINE: 4 Lode Claims. Lead Ledge, Lead Ledge No. 1, Lead Ledge No. 2, and Lead Dyke.

AREA & LOCATION: 16 miles northeast of Las Vegas, Nevada, situated on the extreme southeast slope of the Las Vegas Range. 1½ mile distance north of Union Pacific Railroad loading ramp; 3 miles distance from U. S. Hiway 91 and 93.

OWNER: Lead King Mines, Inc. 216 North 5th St. Box 1896, Las Vegas, Nev.

GEOLOGY-VEIN: The country rock is limestone traversed by three fault fissures, which junction and intersect at a common point. At this station the altered and brecciated gangue is impregnated with galena, in commercial mineable widths from 2 to 20 ft.

DEVELOPMENT: The main shaft was sunk on the slope of the vein at 45°, in the ore shoot to the 242 ft. level. A sub-surface level at 30 ft., exposes the ore shoot for a length of 50 ft. Cross-cuts expose widths of 4 to 15 ft. of commercial ore on this level.

The 135 ft. level, drifts 150 ft. westerly and 100 ft. easterly exposing 120 ft. length in the ore shoot. On this station widths in ore vary from 4 to 20 ft., the depositions range from 3 to 15% lead in this zone. A recent winze sunk 30 ft. down at this station exposes 39" of 40% lead ore. The enrichment continues to the 242 ft. level but is not developed by laterals in the ore zone.

REMARKS: The property has the features of a primary type ore shoot. The ore can be readily beneficiated by concentration. There is a probable 50,000 tons of ore from the 135 ft. level to the surface and approximately 1,000 tons of 10% ore on the dumps ready for milling.

Equipment consists of 30 ft. headframe; heavy duty Fairbanks-Morse hoist and engine; 105 cuft. compressor and receiver; jack hammers and hose; water tanks; rails; cars; blacksmith equipment etc.

ASSAY REPORT by COMBINED METALS

for

LEAD KING MINES, INC.

| No. | Description | Width Sampled | Ag Oz | Pb % | Zn % |
|---|---|---|---|---|---|
| 1 | Face of underhand stope-sub level | 4 ft. | 1.00 | 22.0 | 3.3 |
| 2 | 20 ft. east of No. 1. sample | 10 ft. | 2.00 | 12.8 | 1.8 |
| 3 | Winze - Collar | 20 ft. | .60 | 11.9 | .6 |
| 4 | Hi-grade--West end stope - 135 ft. level | 2 ft. | 2.60 | 25.8 | 1.0 |
| 5 | East end of West Stope - 135 ft. level | 4 ft. | 2.80 | 12.6 | TR |
| 6 | Cross-cut at stope - 135 ft. level | 35 ft. | .20 | 2.0 | 1.0 |
| 7 | 25 ft. west of shaft -135 ft. level | 25 ft. | .60 | 10.2 | Tr |
| 8 | East Stope -135 ft. level | 7 ft. | 1.00 | 14.6 | 1.1 |
| 9 | Cross-cut --east stope - 135 ft. level | 20 ft. | TR | .9 | .5 |
| 10 | Shaft at 96 ft. | 20 ft. | .50 | 10.1 | .5 |
| 11 | Dump --West shaft | | .20 | 1.6 | 1.0 |
| 12 | Footwall-West face - 135 ft. level | 10 ft. | TR | 2.0 | 1.0 |
| 13 | Hang.Wall-West face- 135 ft. level | 4 ft. | TR | .9 | .8 |
| 14 | Cut of ledge-50 ft. NW of stope-135' level | 25 ft. | TR | .6 | .6 |
| 15 | Collar of shaft | 6 ft. | 1.00 | 11.0 | 1.4 |
| 16 | West end surface- No. 2 cut | 15 ft. | .10 | .8 | .4 |

ASSAY REPORT by COMBINED METALS

for

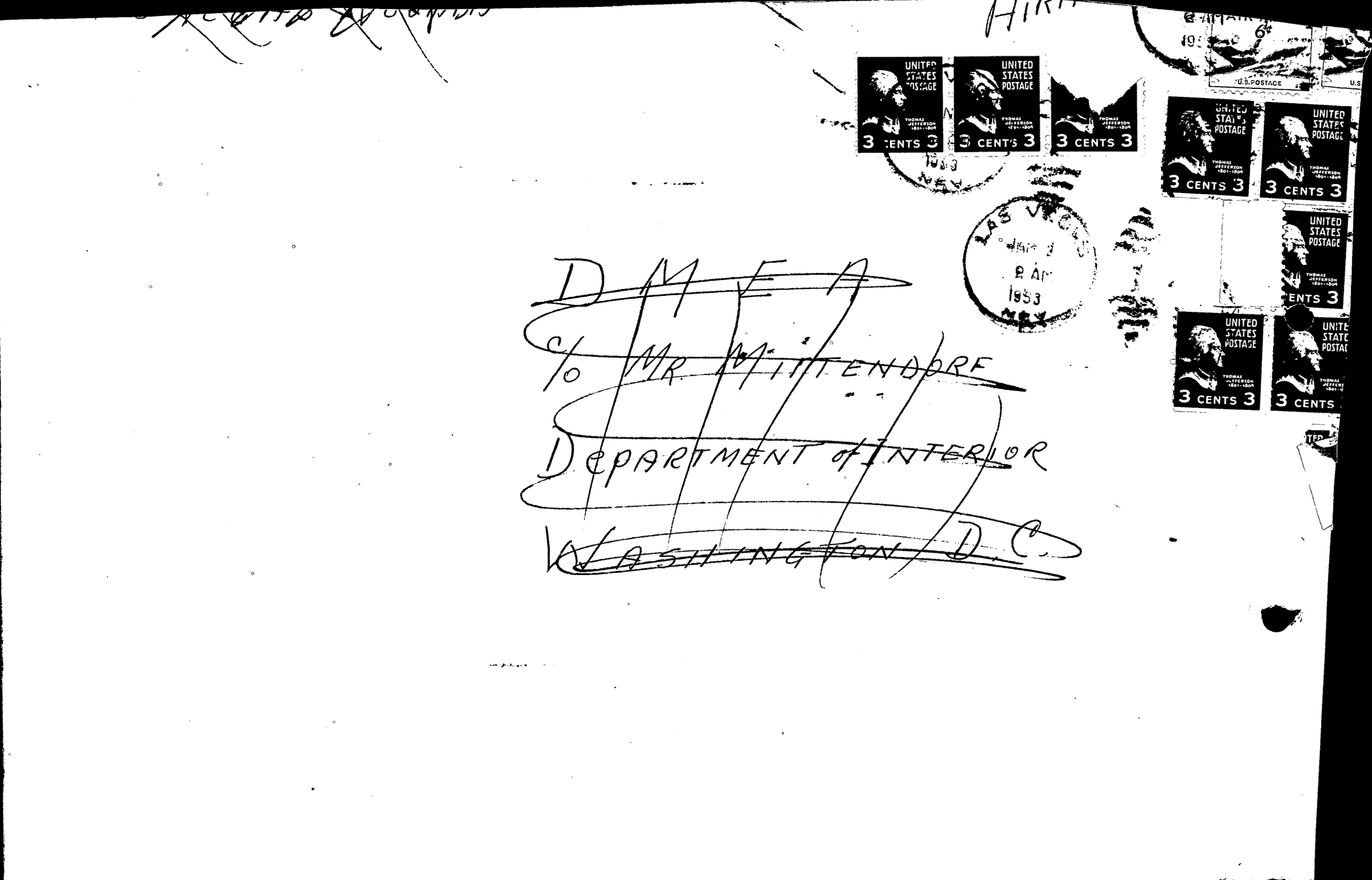
LEAD KING MINES, INC.

| No. | Description | Width Sampled | Ag Oz | Pb % | Zn % |
|---|---|---|---|---|---|
| 1 | Face of underhand stope-sub level | 4 ft. | 1.00 | 22.0 | 3.3 |
| 2 | 20 ft. east of No. 1. sample | 10 ft. | 2.00 | 12.8 | 1.8 |
| 3 | Winze - Collar | 20 ft. | .60 | 11.9 | .6 |
| 4 | Hi-grade--West end stope - 135 ft. level | 2 ft. | 2.60 | 25.8 | 1.0 |
| 5 | East end of West Stope - 135 ft. level | 4 ft. | 2.80 | 12.6 | TR |
| 6 | Cross-cut at stope - 135 ft. level | 35 ft. | .20 | 2.0 | 1.0 |
| 7 | 25 ft. west of shaft -135 ft. level | 25 ft. | .60 | 10.2 | Tr |
| 8 | East Stope -135 ft. level | 7 ft. | 1.00 | 14.6 | 1.1 |
| 9 | Cross-cut --east stope - 135 ft. level | 20 ft. | TR | .9 | .5 |
| 10 | Shaft at 96 ft. | 20 ft. | .50 | 10.1 | .5 |
| 11 | Dump --West shaft | | .20 | 1.6 | 1.0 |
| 12 | Footwall-West face - 135 ft. level | 10 ft. | TR | 2.0 | 1.0 |
| 13 | Hang.Wall-West face- 135 ft. level | 4 ft. | TR | .9 | .8 |
| 14 | Cut of ledge-50 ft. NW of stope-135' level | 25 ft. | TR | .6 | .6 |
| 15 | Collar of shaft | 6 ft. | 1.00 | 11.0 | 1.4 |
| 16 | West end surface- No. 2 cut | 15 ft. | .10 | .8 | .4 |

1 cy each of 2 maps enclosed

1/6/53

ANCHOR CLASP
K94 9¼ x 14½
MADE IN U.S.A.


UNITED STATES POSTAGE
THOMAS JEFFERSON 1801-1809
3 CENTS 3
LAS VEGAS
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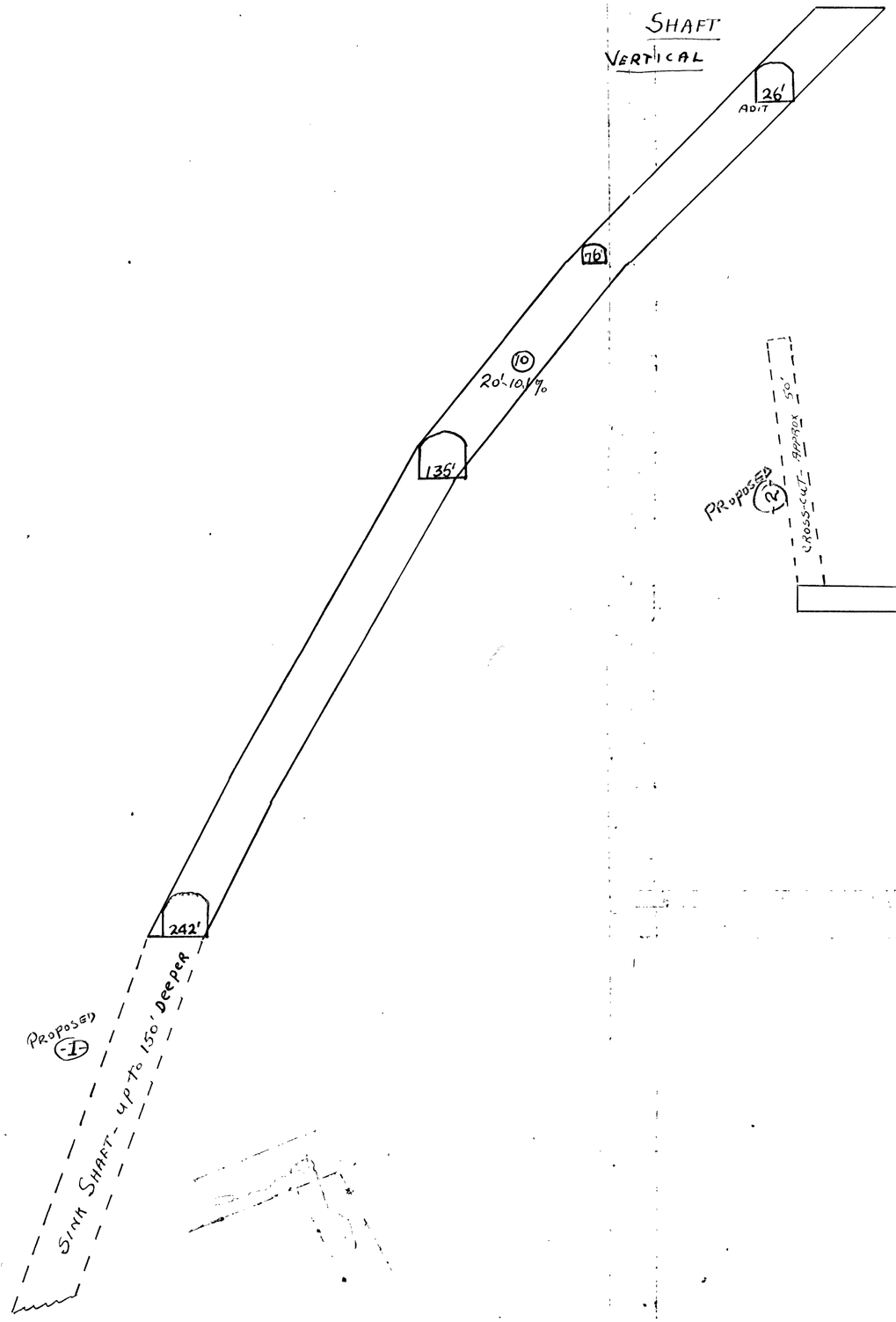
1953
NEV
DMEA
C/O MR MITTENDORF
DEPARTMENT OF INTERIOR
WASHINGTON D.C.

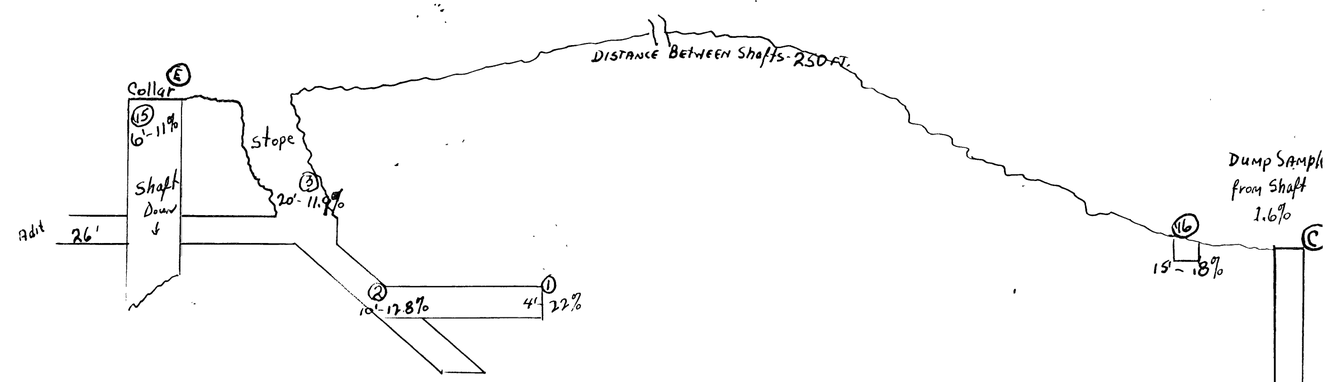
# LEAD KING MINES, INC.
## LAS VEGAS - NEVADA

No 1 ORE SHOOT - (A) TO (B) ON 135 FT LEVEL = 150 FT. IN LENGTH - ALL EXPOSED
WIDTHS RUN - 5' TO 25'
DISTANCE BETWEEN SHAFTS = 250 FT.
DISTANCE FROM (F) TO (D) ON 135 FT. LEVEL - 145 FT.

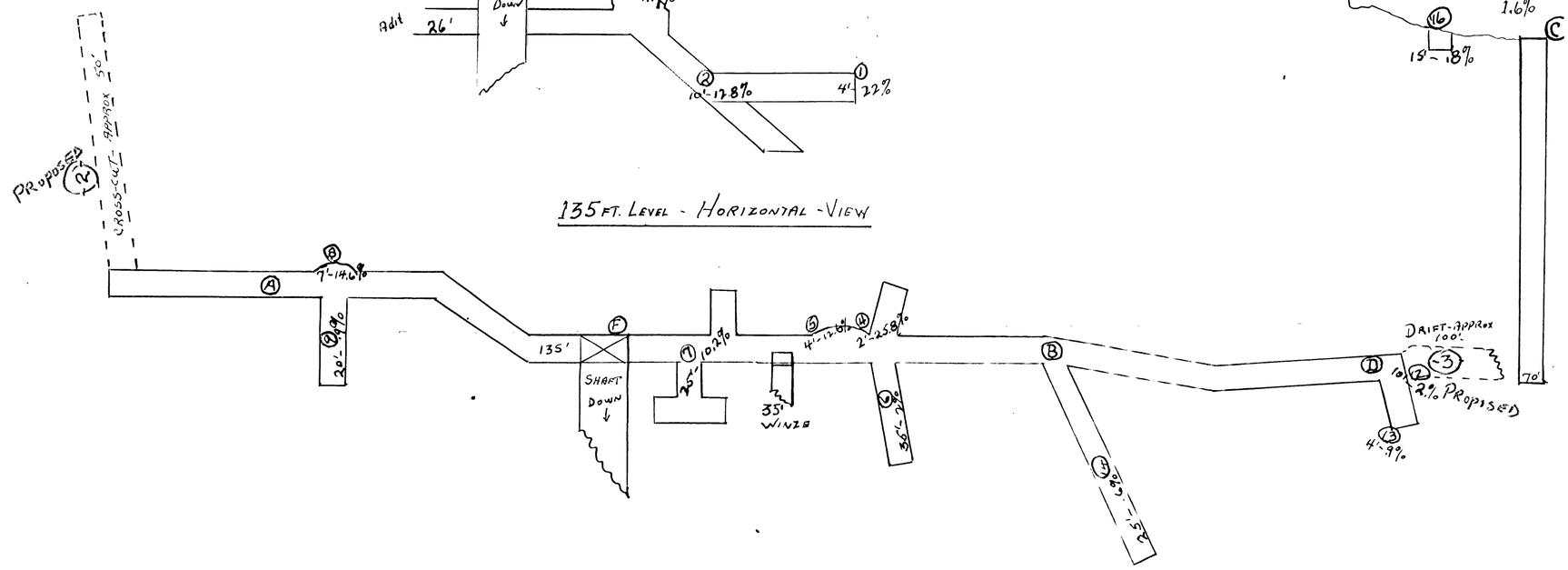
No 2 ORE SHOOT ON WEST END OF PROPERTY exposed ON 135 FT. LEVEL at STATION (D) AND also ON surface - 105' West at sta. (C)
Sampled widths 14-15 ft.



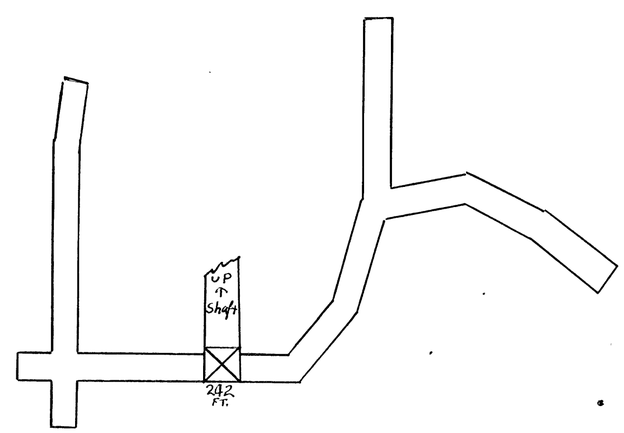

COLLAR AND UNDERHAND STOPE - VERTICAL VIEW -



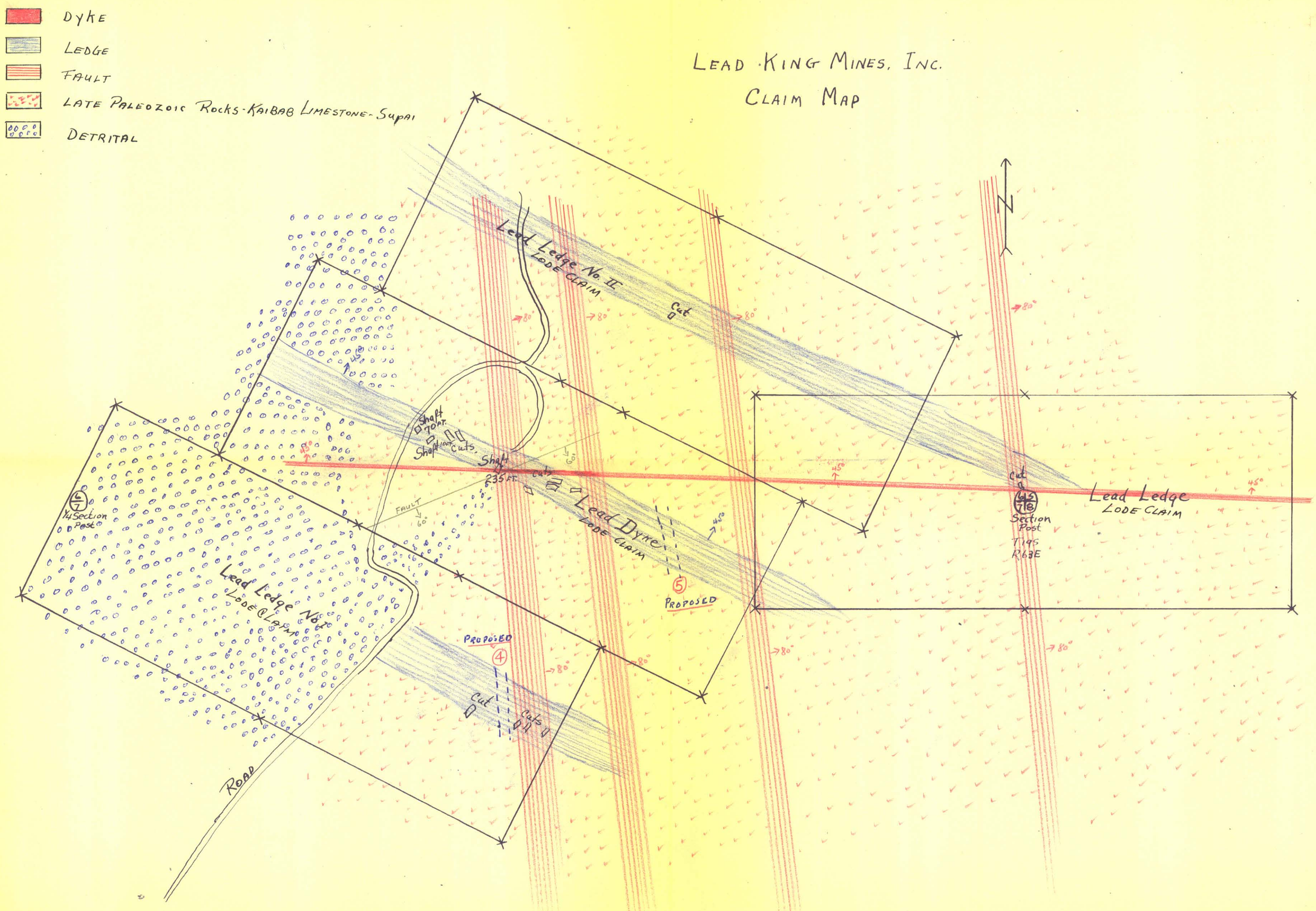
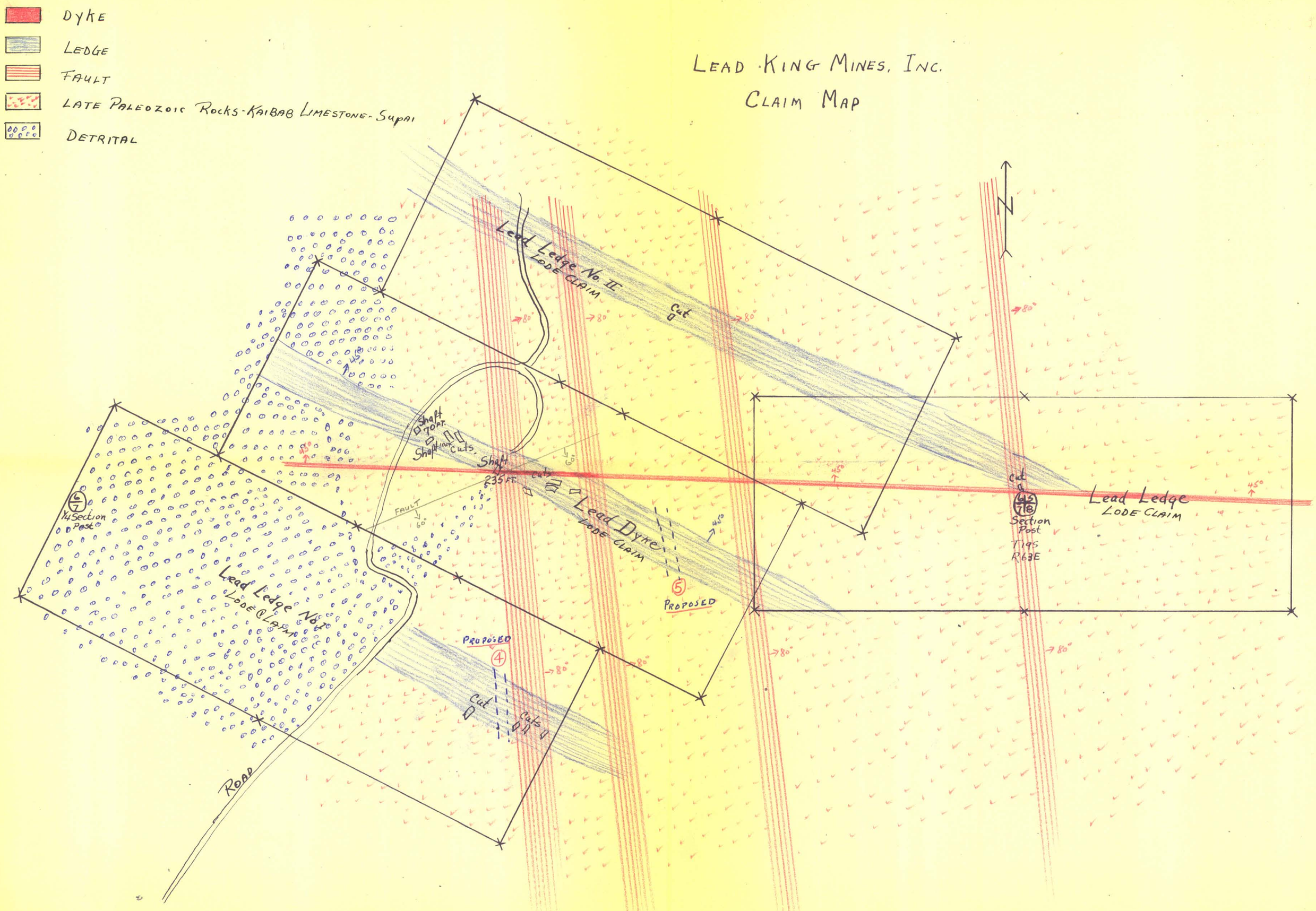

135 FT. LEVEL - HORIZONTAL VIEW




242 FT. LEVEL - HORIZONTAL VIEW



# LEAD KING MINES, INC.
## CLAIM MAP



# LEAD KING MINES, INC.
## CLAIM MAP