DMA Form 2

DEFENSE MINERALS ADMINISTRATION
Status Change Notice

DMA Docket No. 1675-+

To: Reports and Records Branch Lead King Mines Inc.

From: LEAD ZINC BRANCH

Date: JUL 6 1951

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

Forwarded to

Type of request changed to:

Denied ☐ Withdrawn ☐

Approved in amount of $

Other action, specify:

On hand

12/30/52

Docket Room and Division:

Please leave markers in docket until next conference with Secretary.

COM(fw)

New app — Jan 19, 1953. New report — by Miller

Feb. 6th 1951 Telephoned Miller who will talk to Smith and attend to matter forthwith.

Yukon 25800 Ext 472

Bureau Mines

H. C. Miller
1017 Ford Bldg
870 Market St.
San Francisco Cal.

Lead King Mines D.MEA 1678
Cerro Gordo. Mine Mr. Rigg.
Inyo County Cal

Your letter Sept 26. 1951 by Ward Smith + Charles Newman - Geologists.
both had made a study of Cerro Gordo

Sept 26 Ward Smith tells Miller that he will go on ranch and make a more exhaustive study they ~~could~~ might make suggestions for a worthwhile exploration program.
Smith + Newman say application should not be approved in its present amended form.
The exploration as proposed would be in ground not known to be mined already.
Sekleman Geologist ~~reports~~ of Anaconda reports proposed area to D.C. is favorable
Ward Smith's letter of November 2 — to explore S.E. 350 ft
Report by R.T. Walker

Meeting yesterday Bureau Mines - Geological Survey - 3 men who are familiar with district recommend.
Decided to request Geologists to ~~not~~ examine property to see if they can find some geological evidence ~~that~~ could be used as a basis for a limited exploration

2-6-51 Miller will request Ward Smith to go to property

DMEA-1678: Lead King Mines, Inc.
Cerro Gordo Mine, Inyo Co., Calif.

Comments and Recommendations:

Good mines are said to "die hard" and this may well be true of the old Cerro Gordo. The highly productive orebodies formely mined were found very irregularly distributed through a zone over 1700 feet in length and from 400 to 500 feet wide. Due to the isolated and disconnected nature of the mineralization ore bodies of this type are not easily found and can be readily passed and overlooked in the course of ordinary exploration. Although the mine workings are extensive, ~~still~~ much of the productive area still remains unexplored. Thus it would seem probable that undiscovered ore bodies exist within this productive zone.

Amongst those who are familiar with the Cerro Gordo mine nearly all agree that it is a favorable locale to look for additional ore, but not all are in agreement as to the best place to conduct the search nor the method and plans for so doing. Considering the area proposed for further exploration by the applicant, the Geological Survey field team point out that the proposed work will explore ground lying outside of that which is known to have been productive.

On the other hand, Robert Seklemian of the Anaconda Copper Company's geological staff who quite recently studied the mine, expresses the opinion that the proposed area is favorable, in so much, according to his theory, that it offers a geological possibility for the discovery of new ore. Evidently it was Seklemian who originally suggested the area to the applicant.

The Geological Survey team called attention to the fact that the San Felipe vein, which the proposed drift is to explore, may have lost its identity in the area of the proposed exploration. From the available map of the 550 level it appears that this may be true or that the San Felipe ~~fracture~~ vein has merged with another fracture situated some 50 feet north of the position of the proposed drift. It is highly important whether or not this San Felipe fracture zone is present in the area, for the whole theory supporting the geologic possibility of discovery is based upon the continued presence of the San Felipe vein.

An apparent objection to the proposed plan of the work is that the crosscuts are too far apart (200 feet) and thus could easily fail to disclose the possible presence of sizeable replacement orebodies in the walls of the drift.

Further clarification of the applicant's estimate of costs together with the proper allowable depreciation on existing equipment would seem desirable.

In view of the geological conflict as to the merits of the area that was proposed for exploration as well as the other objections previously mentioned, it would seem advisable to have a field review before drawing up a contract.

Hampshire House
150 Central Park South
New York, N. Y.

December 28, 1951

Mr. C. O. Mittendorf, Acting Administrator
Defense Minerals Exploration Administration
U. S. Department of the Interior
Washington 25, D. C.

Re: DMA Docket 1678 (Lead-Zinc, California)
Lead King Mines, Inc.

Dear Mr. Mittendorf:

As indicated in my letter of December 10th, written subsequently to my conversation with you and Mr. Johnson, we wish a reexamination of the above application for participation in the DMEA exploration assistance program for lead-zinc projects.

For your perusal enclosed are two letters received from the Anaconda Copper Co., whose geologists have been making a study of the Cerro Gordo Mines, amplifying the geological reasoning for the exploration work contemplated. In support of this theory I wish to point out that the largest stope at Cerro Gordo, the Chinn or Bullion-Union ore body and the San Felipe ore body both bottomed just above the 550' level on the San Felipe Fault. In addition the Omega ore chimney and the largest of the zinc deposits contacted the San Felipe.

The Anaconda Company has been successful in discovering considerable additional lead-zinc ore at two of their properties nearby Cerro Gordo, namely Darwin and Tecopa. The geologist whose letter is enclosed contributed materially to these efforts.

Mr. C. O. Mitzendorf

We have confined this revised exploration program to following the San Felipe Fault to its junction with the Noonan Fault, (also mineralized), with exploration cross drifts.

The present plan of exploration sketched on the plan view of the 550' level map enclosed is as follows:

976E 12106	Drift S45E along the San Felipe to Junctura of Noonan Fault 12602 12106.		480'
11107E 13966	X Drift N 30E		200'
	X Drift S 45W		90'
12642 15106	X Drift N 30E		200'
	Total development		870'

Cost of Project:

870' Drifting	$31,276.50
Initial repairs	1,900.00
Equipment cost not now owned	6,390.00
	$39,566.50
Application for Government participation	19,783.25
Lead King Mines, Inc. participation	19,783.25

Cost detail per foot advance:

Underground labor	$12.00
Maintenance	3.00
Tugman-trammer	2.80
Miscellaneous labor	2.00
Cook	1.40
Superintendent (Mechanic Electrician)	4.00
Power	2.00
Powder	4.00
Fuse and caps	.45
Pipe, Rail and Steel	1.60
Lumbering and supplies	2.00
Insurance	.70
Cost per foot	$35.95

Mr. C. O. Mittendorf

Note: There are no administrative salaries.

The pertinent maps are returned herewith.

We feel strongly that this is a worthy project as is evidenced by our willingness to venture our own funds in participation. We trust that approval of the application may be had as we are ready to begin work immediately we get the green light from DMEA.

Very truly yours,

LEAD KING MINES, Inc.

M. C. Rigg

President

INTERNATIONAL SMELTING AND REFINING COMPANY

818 Kearns Building, Salt Lake City 1, Utah

ANACONDA

Geological Department
M. B. KILDALE, Chief Geologist

December 20, 1951

Mr. W. C. Rigg
Hampshire House
150 Central Park South
New York, N. Y.

Dear Mr. Rigg:

Mr. Kildale has informed me of your desire to obtain our views concerning the future development possibilities at the Cerro Gordo Mine, Inyo County, California. Although we have not completed sufficient mapping to obtain a complete picture of all the geologic conditions that occur at Cerro Gordo, our mapping to date has afforded us a possible explanation of the occurrence of the orebodies in the China stope area.

Some time ago you received from us a copy of one of our 50-scale geologic cross sections drawn on a bearing of N 23° E through the heart of the China stope area. This map illustrates our theory that the mineralizing solutions rose along the San Felipe vein until they reached a point at which they could follow the bedding in favorable limestone and still continue to rise. At any point below here, the solutions would have had to reverse their direction and go downward in order to follow the bedding.

If this picture is correct, those areas, where the San Felipe vein cuts southwesterly dipping favorable limestone beds in its footwall, are deserving of exploration. Such an area appears to exist along the San Felipe vein to the southeast of the present 550 level workings. Here, the favorable limestone beds of the China stope area are believed to dip to the southwest in the footwall of the San Felipe vein. This exploration project is vague in that we, as yet, have not been able to isolate those geologic controls which determine the plan position of the orebodies along the San Felipe vein.

The development possibility, outlined above, is directed toward a very general target area. Our work, to date, has not given us sufficient information to permit us to "pin-point" this target; in fact, we have no assurance that additional limestone replacement orebodies occur along the San Felipe vein. We are anxious to extend our underground mapping into the Jefferson stope area when these workings are reopened. Perhaps further evidence, derived from this work, will support our present findings and permit us to lay out more definite target areas.

I trust this information will be of assistance to you.

With best personal regards,

Very truly yours,

Robert Seklemian

R. Seklemian

RS/lh

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M. B. KILDALE, Chief Geologist

December 21, 1951

Mr. W. C. Rigg
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Dear Mr. Rigg:

As per your request I am sending you, in the form of a letter by Mr. Seklemian, our views concerning some possible exploration work which can be carried on from the presently accessible workings of the Cerro Gordo mine. As you will recall, last April you asked us if we could make any suggestions as to short-range development projects within that mine. We had no definite short-range recommendations to make but during a discussion with you here in Salt Lake City the general possibilities of the area along the San Felipe zone southeast of the present workings was pointed out by Mr. Seklemian, who had done the geological mapping in the accessible parts of the mine and had come to the conclusion that that zone was probably the "feeding fissure" for the China orebody. In line with this idea, he sent you a sketch cross section through the China stope area. His recent letter, which is attached hereto, summarizes his ideas for possible further work in the unexplored area where the apparently favorable "China stope beds" should exist along the projection of the San Felipe zone and where the attitude of the beds should be favorable for the upward movement of ore-bearing solutions outward from the fissure zone.

In this connection I must emphasize again two points--first, that our geological examination of the Cerro Gordo has not been complete due to the inaccessibility of many of the old workings and secondly, that the suggestion made to you regarding further drifting on the 550 level is based purely upon a "geological possibility". As Mr. Seklemian points out, it is a "general target" and the exact nature and amount of work which is justified here will, in our opinion, have to be determined by the geological conditions found to exist as the work progresses.

With best wishes for the New Year,

Sincerely yours,

M. B. Kildale

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MBK/lh
Enc.

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December 28, 1951

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U. S. Department of the Interior
Washington 25, D. C.

Re: DMA Docket 1678 (Lead-Zinc, California)
Lead King Mines, Inc.

Dear Mr. Mittendorf:

As indicated in my letter of December 10th, written subsequently to my conversation with you and Mr. Johnson, we wish a reexamination of the above application for participation in the DMEA exploration assistance program for lead-zinc projects.

For your perusal enclosed are two letters received from the Anaconda Copper Co., whose geologists have been making a study of the Cerro Gordo Mines, amplifying the geological reasoning for the exploration work contemplated. In support of this theory I wish to point out that the largest stope at Cerro Gordo, the China or Bullion-Union ore body and the San Felipe ore body both bottomed just above the 550' level on the San Felipe Fault. In addition the Omega ore chimney and the largest of the zinc deposits contacted the San Felipe.

The Anaconda Company has been successful in discovering considerable additional lead-zinc ore at two of their properties nearby Cerro Gordo, namely Darwin and Tecopa. The geologist whose letter is enclosed contributed materially to these efforts.

Mr. C. O. Mittendorf

We have confined this revised exploration program to following the San Felipe Fault to its junction with the Mormon Fault, (also mineralized), with exploration cross drifts.

The present plan of exploration sketched on the plan view of the 550' level map enclosed is as follows:

976E 1210S	Drift S45E along the San Felipe to Juncture of Mormon Fault 1260E 1510S.		430'
1110E 1356S	X Drift N 20E		200'
	X Drift S 45W		50'
1264E 1510S	X Drift N 20E		200'
	Total development		870'

Cost of Project:

870' Drifting	$31,276.50
Initial repairs	1,900.00
Equipment cost not now owned	6,390.00
	$39,566.50
Application for Government participation	19,783.25
Lead King Mines, Inc. participation	19,783.25

Cost detail per foot advance:

Underground labor	$12.00
Hoistman	3.00
Tapman-trammer	2.80
Miscellaneous labor	2.00
Cook	1.40
Superintendent (Mechanic Electrician)	4.00
Power	2.00
Powder	4.00
Fuse and caps	.45
Pike, Rail and Steel	1.60
Lunching and supplies	2.00
Insurance	.70
Cost per foot	$35.95

Mr. C. O. Mittendorf

Note: There are no administrative salaries.

The pertinent maps are returned herewith.

We feel strongly that this is a worthy project as is evidenced by our willingness to venture our own funds in participation. We trust that approval of the application may be had as we are ready to begin work immediately we get the green light from DMEA.

Very truly yours,

LEAD KING MINES, Inc.

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Some time ago you received from us a copy of one of our 50-scale geologic cross sections drawn on a bearing of N 23° E through the heart of the China stope area. This map illustrates our theory that the mineralizing solutions rose along the San Felipe vein until they reached a point at which they could follow the bedding in favorable limestone and still continue to rise. At any point below here, the solutions would have had to reverse their direction and go downward in order to follow the bedding.

If this picture is correct, those areas, where the San Felipe vein cuts southwesterly dipping favorable limestone beds in its footwall, are deserving of exploration. Such an area appears to exist along the San Felipe vein to the southeast of the present 550 level workings. Here, the favorable limestone beds of the China stope area are believed to dip to the southwest in the footwall of the San Felipe vein. This exploration project is vague in that we, as yet, have not been able to isolate those geologic controls which determine the plan position of the orebodies along the San Felipe vein.

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Mr. C. O. Mittendorf

We have confined this revised exploration program to following the San Pulipe Fault to its junction with the Norman Fault, (also mineralized), with exploration cross drifts.

The present plan of exploration sketched on the plan view of the 550' level map enclosed is as follows:

976E 1210S	Drift S45E along the San Pulipe to Juncture of Norman Fault 1260E 1510S.		430'
1110E 1356S	X Drift N 20E		200'
	X Drift S 45W		50'
1264E 1510S	X Drift N 20E		200'
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If this picture is correct, those areas, where the San Felipe vein cuts southwesterly dipping favorable limestone beds in its footwall, are deserving of exploration. Such an area appears to exist along the San Felipe vein to the southeast of the present 550 level workings. Here, the favorable limestone beds of the China stope area are believed to dip to the southwest in the footwall of the San Felipe vein. This exploration project is vague in that we, as yet, have not been able to isolate those geologic controls which determine the plan position of the orebodies along the San Felipe vein.

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Robert Seklemian

R. Seklemian

RS/lh

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Mr. C. O. Mittenderf

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The present plan of exploration sketched on the plan view of the 550' level map enclosed is as follows:

976E	12108	Drift S45E along the San Felipe to Juncture of Mormon Fault 1260E 15108.	430'
1110E	13568	X Drift N 20E	200'
		X Drift S 40W	50'
1264E	15108	X Drift N 20E	200'
		Total development	870'

Cost of Project:

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I trust this information will be of assistance to you.

With best personal regards,

Very truly yours,
Robert Seklemian
R. Seklemian

RS/lh

INTERNATIONAL SMELTING AND REFINING COMPANY

818 Kearns Building, Salt Lake City 1, Utah

ANACONDA

Geological Department
M. B. KILDALE, Chief Geologist

December 21, 1951

Mr. W. C. Rigg
Hampshire House
150 Central Park South
New York, N. Y.

Dear Mr. Rigg:

As per your request I am sending you, in the form of a letter by Mr. Seklemian, our views concerning some possible exploration work which can be carried on from the presently accessible workings of the Cerro Gordo mine. As you will recall, last April you asked us if we could make any suggestions as to short-range development projects within that mine. We had no definite short-range recommendations to make but during a discussion with you here in Salt Lake City the general possibilities of the area along the San Felipe zone southeast of the present workings was pointed out by Mr. Seklemian, who had done the geological mapping in the accessible parts of the mine and had come to the conclusion that that zone was probably the "feeding fissure" for the China orebody. In line with this idea, he sent you a sketch cross section through the China stope area. His recent letter, which is attached hereto, summarizes his ideas for possible further work in the unexplored area where the apparently favorable "China stope beds" should exist along the projection of the San Felipe zone and where the attitude of the beds should be favorable for the upward movement of ore-bearing solutions outward from the fissure zone.

In this connection I must emphasize again two points--first, that our geological examination of the Cerro Gordo has not been complete due to the inaccessibility of many of the old workings and secondly, that the suggestion made to you regarding further drifting on the 550 level is based purely upon a "geological possibility". As Mr. Seklemian points out, it is a "general target" and the exact nature and amount of work which is justified here will, in our opinion, have to be determined by the geological conditions found to exist as the work progresses.

With best wishes for the New Year,

Sincerely yours,

M B Kildale

M. B. Kildale

MBK/lh
Enc.

Hampshire House
150 Central Park South
New York, N. Y.

December 28, 1951

Mr. C. O. Mittendorf, Acting Administrator
Defense Minerals Exploration Administration
U. S. Department of the Interior
Washington 25, D. C.

Re: DMA Docket 1678 (Lead-Zinc, California)
Lead King Mines, Inc.

Dear Mr. Mittendorf:

As indicated in my letter of December 10th, written subsequently to my conversation with you and Mr. Johnson, we wish a reexamination of the above application for participation in the DMEA exploration assistance program for lead-zinc projects.

For your perusal enclosed are two letters received from the Anaconda Copper Co., whose geologists have been making a study of the Cerro Gordo Mines, amplifying the geological reasoning for the exploration work contemplated. In support of this theory I wish to point out that the largest stope at Cerro Gordo, the China or Bullion-Union ore body and the San Felipe ore body both bottomed just above the 550' level on the San Felipe Fault. In addition the Omega ore chimney and the largest of the zinc deposits contacted the San Felipe.

The Anaconda Company has been successful in discovering considerable additional lead-zinc ore at two of their properties nearby Cerro Gordo, namely Darwin and Teesepa. The geologist whose letter is enclosed contributed materially to these efforts.

Mr. C. O. Mittendorf

We have confined this revised exploration program to following the San Felipe Fault to its junction with the Mormon Fault, (also mineralized), with exploration cross drifts.

The present plan of exploration sketched on the plan view of the 550' level map enclosed is as follows:

976E 1210S Drift S45E along the San Felipe to Juncture of Mormon Fault 1260E 1510S.		420'
1110E 1356S	X Drift N 20E	200'
	X Drift S 45W	50'
1264E 1510S	X Drift N 20E	200'
	Total development	870'

Cost of Project:

870' Drifting	$31,276.50
Initial repairs	1,900.00
Equipment cost not now owned	6,390.00
	$39,566.50
Application for Government participation	19,783.25
Lead King Mines, Inc. participation	19,783.25

Cost detail per foot advance:

Underground labor	$12.00
Hoistman	3.00
Tagman-trammer	2.80
Miscellaneous labor	2.00
Cook	1.40
Superintendent (Mechanic Electrician)	4.00
Power	2.00
Powder	4.00
Fuse and caps	.45
Pike, Rail and Steel	1.60
Lunching and supplies	2.00
Insurance	.70
Cost per foot	$35.95

Mr. C. O. Mittendorf

Note: There are no administrative salaries.

The pertinent maps are returned herewith.

We feel strongly that this is a worthy project as is evidenced by our willingness to venture our own funds in participation. We trust that approval of the application may be had as we are ready to begin work immediately we get the green light from DMEA.

Very truly yours,

LEAD KING MINES, Inc.

A. C. King

President

INTERNATIONAL SMELTING AND REFINING COMPANY

818 Kearns Building, Salt Lake City 1, Utah

ANACONDA

Geological Department
M. B. KILDALE, Chief Geologist

December 20, 1951

Mr. W. C. Rigg
Hampshire House
150 Central Park South
New York, N. Y.

Dear Mr. Rigg:

Mr. Kildale has informed me of your desire to obtain our views concerning the future development possibilities at the Cerro Gordo Mine, Inyo County, California. Although we have not completed sufficient mapping to obtain a complete picture of all the geologic conditions that occur at Cerro Gordo, our mapping to date has afforded us a possible explanation of the occurrence of the orebodies in the China stope area.

Some time ago you received from us a copy of one of our 50-scale geologic cross sections drawn on a bearing of N 23° E through the heart of the China stope area. This map illustrates our theory that the mineralizing solutions rose along the San Felipe vein until they reached a point at which they could follow the bedding in favorable limestone and still continue to rise. At any point below here, the solutions would have had to reverse their direction and go downward in order to follow the bedding.

If this picture is correct, those areas, where the San Felipe vein cuts southwesterly dipping favorable limestone beds in its footwall, are deserving of exploration. Such an area appears to exist along the San Felipe vein to the southeast of the present 550 level workings. Here, the favorable limestone beds of the China stope area are believed to dip to the southwest in the footwall of the San Felipe vein. This exploration project is vague in that we, as yet, have not been able to isolate those geologic controls which determine the plan position of the orebodies along the San Felipe vein.

The development possibility, outlined above, is directed toward a very general target area. Our work, to date, has not given us sufficient information to permit us to "pin-point" this target; in fact, we have no assurance that additional limestone replacement orebodies occur along the San Felipe vein. We are anxious to extend our underground mapping into the Jefferson stope area when these workings are reopened. Perhaps further evidence, derived from this work, will support our present findings and permit us to lay out more definite target areas.

I trust this information will be of assistance to you.

With best personal regards,

Very truly yours,

Robert Seklemian

R. Seklemian

RS/lh

INTERNATIONAL SMELTING AND REFINING COMPANY

818 Kearns Building, Salt Lake City 1, Utah

Geological Department
M. B. KILDALE, Chief Geologist

December 21, 1951

Mr. W. C. Rigg
Hampshire House
150 Central Park South
New York, N. Y.

Dear Mr. Rigg:

As per your request I am sending you, in the form of a letter by Mr. Seklemian, our views concerning some possible exploration work which can be carried on from the presently accessible workings of the Cerro Gordo mine. As you will recall, last April you asked us if we could make any suggestions as to short-range development projects within that mine. We had no definite short-range recommendations to make but during a discussion with you here in Salt Lake City the general possibilities of the area along the San Felipe zone southeast of the present workings was pointed out by Mr. Seklemian, who had done the geological mapping in the accessible parts of the mine and had come to the conclusion that that zone was probably the "feeding fissure" for the China orebody. In line with this idea, he sent you a sketch cross section through the China stope area. His recent letter, which is attached hereto, summarizes his ideas for possible further work in the unexplored area where the apparently favorable "China stope beds" should exist along the projection of the San Felipe zone and where the attitude of the beds should be favorable for the upward movement of ore-bearing solutions outward from the fissure zone.

In this connection I must emphasize again two points--first, that our geological examination of the Cerro Gordo has not been complete due to the inaccessibility of many of the old workings and secondly, that the suggestion made to you regarding further drifting on the 550 level is based purely upon a "geological possibility". As Mr. Seklemian points out, it is a "general target" and the exact nature and amount of work which is justified here will, in our opinion, have to be determined by the geological conditions found to exist as the work progresses.

With best wishes for the New Year,

Sincerely yours,

M. B. Kildale

M. B. Kildale

MBK/lh
Enc.

500

FILE COPY
SURNAME:

Keating
Moulds

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

MAR 27 1952

Mr. W. C. Rigg
Hampshire House
150 Central Park, South
New York, New York

Re: Docket No. DMEA 1678
Cerro Gordo Mine

Dear Mr. Rigg:

Pursuant to your request, we are sending you, under separate cover, all of the maps relative to the Cerro Gordo Mine which you presented to us for our examination.

We are enclosing photostat copies of articles on the Mineral Resources and Geologic Reconnaissance of Inyo Range.

Sincerely yours,

D. E. Moulds meh cc 3/27

D. E. Moulds, Chief
Base Metals Division
Defense Minerals Exploration
Administration

Enclosures
AGKeating
~~DEMoulds~~/meh
3/27/52
cc to: Adm. R. File
Docket File
Mr. Moulds
Mr. Keating

RH

500 FILE COPY
Surname:

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF THE SECRETARY
WASHINGTON 25, D. C.

Keating
Moulds
McKnight
Bishop
Hauck
Kellers
Johnson

MAR 27 1952

Mr. W. C. Rigg, President
Lead King Mines Company
P. O. Box 1440
Beverly Hills, California

Re: Docket No. DMEA 1678
Cerro Gordo Mine

Dear Mr. Rigg:

The Government has made a careful study of the data submitted in your application together with all the geological and field reports available. This study has caused us to reach the conclusion that the program of work you propose cannot be supported by any positive evidence that it might be successful.

Further consideration has been given to the possibility of determining some alternative program, but we have been unable to reach any conclusion regarding this which can be reasonably justified. Your application for exploration project assistance is, therefore, denied.

It is with regret that we have to inform you of the unfavorable decision regarding your request. We wish to express our appreciation of the opportunity which you have given us to reconsider your defense exploration project.

Sincerely yours,

cc
3-27

C. O. Mittendorf (for)

Acting Administrator
Defense Minerals Exploration
Administration

AGKeating/hmj
3-20-52
cc to: Adm. R. File
Operating Committee
Docket File Copy
Mr. Bishop
Mr. McKnight
Region III
Mr. Keating
Mr. Moulds

Base Metals - memo re denial.

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

March 19, 1952

Memorandum

To: Mr. C. O. Mittendorf

From: Mr. D. E. Moulds

Subject: Review of application for exploration project assistance Docket No. DMEA 1678X, Lead King Mines Company (Cerro Gordo Mine), Inyo County, California.

This refers to a memorandum regarding the above named application forwarded to you January 14 by the Base Metals Division. In this memorandum the following suggestions were made; "Since it is the purpose of the Government to provide aid for unknown and under-developed sources of strategic minerals it is the opinion of the Base Metals Division that an amended application may be favorably considered. It is further suggested that the project be presented to the corresponding commodity sections of the USGS and USBM. If they are in agreement with this office, then a contract can be prepared for a limited initial program, with further exploration to be undertaken if preliminary results are satisfactory".

Subsequently conferences were held with members of the Geological Survey and Bureau of Mines. Every available source of required information was studied. This included the added information we were able to obtain from members of our own organization, several of whom had experience in the operation of the Cerro Gordo Mine, or neighboring mines under generally similar geological conditions.

As a result of the conferences, a general meeting of those interested in the subject was held in the office of the Base Metals Division. At this meeting it was argued that the program of work proposed in the subject application could not be supported by any positive evidence that might lead to success, nor could a reasonably sound plan for exploration be determined.

Thereupon, it was arranged that we telephone Mr. H. C. Miller in San Francisco, suggesting that he discuss the problem with the engineers in his district who had examined the Cerro Gordo Mine, having in mind that a re-examination might be helpful. It then developed that a member of the USGS in San Francisco, familiar with the Cerro Gordo,

was expected to be in Washington shortly thereafter.

Upon the arrival of the geologist another general conference was held and the subject thoroughly discussed. Again it was argued that the proposed work was not supported by reasonably positive evidence that it might reach ore, that an alternative proposal could not be determined since there was insufficient evidence of dependable nature upon which to base such a program.

It was then decided that the geologist confer with other engineers outside the Government who had examined the Cerro Gordo and might supply something new and significant. He was further requested to consider undertaking a careful re-examination of the mine to determine if any exploration of the area to the southeast on the 550 level was warranted, and if so, whether the applicant's proposal, all or in part, was acceptable or whether exploration along the upper China Flat vein or some other fissure was preferable.

In accordance with this program, the geologist conferred with engineers of a prominent mining company, conducting an important operation under similar geological conditions near by. The engineers of this company had made a recent examination of the Cerro Gordo Mine. The information obtained from this source was to the effect that they were uncertain as to the question of where to start work and that they did not believe a re-examination would disclose any new evidence, that the only thing which might be considered new, was a theoretical interpretation of the geology which might be a control of the ore bodies. It was upon this premise that the application for financial aid was based.

As a result, the geologist decided that a re-examination would not be beneficial since there had been no new work in the headings subsequent to his last visit, that it seemed unlikely a re-examination would uncover anything new to answer the question of, "which heading". That there was not sufficient geological evidence to predicate a reasonably sound exploration program.

Under the circumstances there is no alternative but to recommend a denial of the application for exploration assistance in this case.

DE Moulds

D. E. Moulds

OM Bishop, USBM

FILE COPY
Surname:

Keating
Moulds
McCaughey
Brakop

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF THE SECRETARY
WASHINGTON 25, D. C.

March 19, 1952.

Not stripped in R&R (mch)

Memorandum

To: Mr. C. O. Mittendorf

From: Mr. D. E. Moulds

Subject: Review of application for exploration project assistance Docket No. DMEA 1678X, Lead King Mines Company (Cerro Gordo Mine) Inyo County, California.

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Under the circumstances there is no alternative but to recommend a denial of the application for exploration assistance in this case.

D. E. Moulds

D. E. Moulds

AGKeating/hmj
3-19-52
CC to: Adm. R. File
Docket File Copy
Mr. McKnight
Mr. Bishop
Mr. Moulds
Mr. Keating

3/19/52

Mitt:

This case is one that Bill Broadgate has given considerable of his time. As stated in the memorandum several exhaustive attempts have been made to work out some kind of a project for the Cerro Gordo, even to the extent of inquiring of independent geologists if they had any constructive ideas, but nothing has been forthcoming on which a contract could be planned.

Inasmuch as Mr. Broadgate may take the position that examinations by the USBM and USGS may turn down a project while a private engineer would not, we are giving you this memo for an illustration that such is not always the case. We are withholding notification of the applicant as to the denial until such time as you desire.

Perhaps it would be best to wait until after the hearings.

Don

DM

Adverse Report by
Smith. U.S.G.S.

IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
102 Old Mint Building
San Francisco 3, California

March 14, 1952

Air Mail

Memorandum

To: E. T. McKnight

From: W. C. Smith Ward Smith

Subject: DMA 1678x, Cerro Gordo Mine

After receiving from you the teletype of March 11, recommending a conference with Anaconda geologist Seklemian, I had a long telephone talk with Malcolm Kildale, chief geologist of International Smelting and Refining Company, under whom Seklemian made his examination of the Cerro Gordo mine. The report by Kildale left me with the conclusion that the proposed work is not supported by any positive evidence that it might reach ore.

Kildale, Seklemian, and Rigg discussed the mine about a year ago in Salt Lake City, and it was during this discussion that Seklemian made a sketch to show an interpretation of the geology. This sketch is the cross section submitted by Rigg. The proposal to drift southeastward was made by Seklemian in the form of "my idea of what might be a control on the ore bodies is worth a test." Kildale reports that the size of the suggested test was 50 to 100 feet of drift. Kildale volunteered (without any leading question from me) that the question of where to start work came up immediately, and that the discussion left them uncertain which heading or structure (dike, upper China vein, or lower China vein) was in fact the southeastern extension of the San Felipe.

This account of Seklemian's suggestion convinces me that his independent examination, like ours, left uncertain which southeast heading would be the continuation of the San Felipe. Since there has been no new work done on the headings, it seems very unlikely that a re-examination would uncover anything new to answer the question "which heading." Kildale also did not think we would find anything new underground, or on Seklemian's maps. Only the suggested interpretation is new.

As you may recall, I expressed some reasons for questioning the interpretation. That the San Felipe vein or the dike it follows on this level is the feeder for the China stope ore body is an assumption without positive support. That the 550 level is better for exploration, because limestone beds there slant upward away from the dike, whereas at lower levels they slant downward away from dike, is questionable, because the San

Felipe vein and dike cut across pitching folds, and beds that slant upward away from these structures are the rule, not the exception.

There remains the possibility that some work, perhaps a small amount, on one or more of the possible headings, might reveal something new and significant. Such work would be for the purpose of exposing geology, and the chances that the new information might point to ore cannot be appraised until some work is done and new faces examined. Decision as to whether DMA funds should be used for the purpose of exposing geology, with the chances of finding ore unknown, clearly rests in Washington.

The teletype indicated that alternative proposals for exploration are wanted. Clearly this refers to some variation of the proposed work, which I do not feel can be supported positively, in any variation. I can only repeat the opinion that Charles Merriam expressed long ago, and in which I concur, that the most attractive ground lies to the south and below the Cerro Gordo mine workings, and should be explored through the Estelle Tunnel. This ground is down dip and along the north-south trend of the ore zone, and this provides a general basis for optimism. Before this opinion can be reduced to a sharper appraisal of chances of finding ore, or pointed toward specific work, it would be necessary to open the Estelle Tunnel and do some exploring for the sake of geology. To explore this ground, a combined ownership of the properties seems essential, and to do it adequately would require a large sum of money.

Weather reports indicate that the mine road is showed in; unless there is a new storm, it will be open next week. An examination can be made if you still believe it advisable after considering Kildale's account.

Please let me know your wishes regarding my going to the property.

Ward C. Smith

Ward C. Smith

Request for info by
Washington. USGS
to Field

Geological Survey

3268 4204 GSA

March 11, 1952
11:05 a.m.

Mr. Ward Smith, 102 Old Mint Building San Francisco 3, California

Recommend conference with Anaconda geologist R. Seklemian on ground, if feasible, and mine examination to determine if any exploration of area to southeast SE warranted on 550 level; if so, whether applicant's proposal, all or in part, acceptable or whether exploration along upper China Flat vein or some other fissure preferable. Map showing project and justification for any decision reached should be submitted. Cost data not required.

Edwin T. McKnight

Edwin T. McKnight
Geologist

ETMcKnight:emp
Copies to: Geol. Div. Files
Branch files 4208
Directors r. files 4214
Branch r. files 4214
Messrs. A. G. Keating Rm 4070 Interior
E. T. McKnight 4204 GSA

Geological Survey

3268 4204 GSA

March 11, 1952
11:05 a.m.

Mr. Ward Smith, 102 Old Mint Building San Francisco 3, California

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Edwin T. McKnight

Edwin T. McKnight
Geologist

ETMcKnight:emp
Copies to: Geol. Div. Files
Branch files 4208
Directors r. files 4214
Branch r. files 4214
Messrs. A. G. Keating Rm 4070 Interior
E. T. McKnight 4204 GSA

OFFICE OF THE ADMINISTRATOR

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

Office of
Executive Officer
DMEA Field Team
Region III

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

February 6, 1952

Air Mail

Memorandum

To: A. G. Keating, DMEA, Interior Building, Washington, D. C.

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket DMEA 1678X, Lead-Zinc; Lead King Mines Company, Cerro Gordo Mine, Inyo County, California

Since you called me on the telephone this morning concerning subject loan application, the Geological Survey here in San Francisco had occasion to talk to its Washington Office on another matter. During the conversation, Mr. Ward Smith inquired about certain matters in connection with the Cerro Gordo Mine, and the conclusion seems to have been reached that inasmuch as he will be in Washington next Monday, February 11, he will contact you upon arrival and help you straighten out the subject application. Mr. Smith feels that nothing he does not already know can be obtained from a field trip to the mine at this time, inasmuch as he already is well informed on the likelihood and the unlikelihood of finding new ore in that area.

I believe that insofar as your office is concerned, it fortunate that Mr. Smith is going to be in Washington next week, and, together with him, you should be able to process the application expeditiously.

FEB 8 8 54 PM '52
DEFENSE MINERALS ADMINISTRATION WASHINGTON, D.C.

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

Copy to: Ward Smith, U.S.G.S.

Meeting Mon. Inyo office 2/18/52 McWright Inv. Inyo
Olenka Ward Smith
Bishop

Docket Copy

500
FILE COPY
SURNAME:

Keating
Moulds

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

JAN 31 1952

Memorandum

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

From: Frank E. Johnson, Chairman
Operating Committee

Subject: Docket No. DMEA 1078X, Lead-Zinc, Lead King Mines Company,
Cerro Gordo Mine, Inyo County, California

Enclosed please find a copy of a memorandum relative to a revised application for an exploratory project by the subject company.

It will be appreciated, if you will, as promptly as possible, give us your views and comments regarding this application.

(signed) FRANK E. JOHNSON
FB

Chairman, Operating Committee
Defense Minerals Exploration
Administration

R.N.
1-31-52

APPROVED:

[illegible]
Member, Bureau of Mines

2 P Thayer
Member, Geological Survey

AGKeating/meh/hmj
1-29-52

cc to: Adm. R. File
Docket File Copy
Mr. McKnight
Mr. Bishopp
Mr. Moulds
Region III
Mr. Keating

of a continuation of the 550 level drift from its present face in a general direction of S. 45 E. for a distance of 420 feet. Crosscuts are to be run N. 30 E. and S. 30 W. at intervals of approximately 200' or at such less intervals as may be indicated by favorable showings as the work progresses. The length of these crosscuts are to be determined by the sufficiency of favorable geological disclosures resulting from the work.

Geological Reports:

The Field Team reports that at lower levels there has been little exploration to the S. E. and that the exploration to the S. E. as defined by the applicant would be in a block of ground "not known to be mineralized". They state that the proposed work on the 550 level would test ground "not known to be condemned by exploration."

Ward Smith, USGS Field Team Member, is reported to have intimate knowledge of the mine and in a letter of November 2, 1951, wrote that "the proposal to drive S. E. along the San Felipe zone in unopened ground might not be so bad if the drift were continued only so long as it looked promising, that the exploration might go 350 feet or so and then quit unless it seemed reasonable to go on."

Geologists of the International Smelting and Refining Company, who have recently examined the property, reported on December 20, 1951, that it is their theory that the, "mineralizing solutions rose along the San Felipe vein until they reached a point at which they could follow the bedding in favorable limestone and still continue to rise." They state that at any point below such horizon, the solutions would have had to reverse themselves. If this theory is correct, those areas where the San Felipe vein cuts S. W. dipping favorable limestone beds in its footwall are deserving of exploration. Such an area appears to exist along the San Felipe vein to the southeast of the present 550 level workings.

Recommendations:

The Cerro Gordo mine has been a prolific producer of high-grade lead and zinc ore. In the same general area toward the Southeast at Darwin and Tecopa, the history of the Cerro Gordo is repeated in a somewhat lesser degree. In both these instances there were periods when the mines were thought to be worked out but further exploration disclosed new ore bodies. The result has been that the mines have, in recent times, been taken over by the Anaconda Copper Company, and are presently notable producers of lead and zinc.

It may very well be that the success resulting from further exploration in the cases of Darwin and Tecopa can be repeated at the Cerro Gordo Mine. The conditions are generally similar historically and geologically. The applicant is willing and financially able to furnish its portion of matching funds and to carry on subsequent operations if it appears that

results of the exploration work are such as to hold promise of success.

Since it is the purpose of the Government to provide aid for unknown and undeveloped sources of strategic minerals it is the opinion of the Lead-Zinc Branch that an amended application may be favorably considered. It is further suggested that the project be presented to the corresponding commodity section of the USGS and USBM. If they are in agreement with this office then a contract can be prepared for a limited initial program with further exploration to be undertaken if the preliminary results are satisfactory.

D. E. Moulds

Recommendation
fr. favorable Consideration
by Lead-Zinc-Division

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

JAN 1 4 1952

I concur. C.O. Mittendorf

Memorandum

To: Mr. C. O. Mittendorf

From: Mr. D. E. Moulds

Subject: Review of application for exploration project assistance, Docket Number DMEA 1678X, Lead King Mines Company (Cerro Gordo Mine) Inyo County, California.

Property:

The property consists of 43 patented mining claims situated approximately eight miles from Keeler, Inyo County, California. The history of this property is well known. There were three important periods of production 1868 to 1875, 1911 to 1918, and 1931 to 1934. The ore is high grade lead, silver and zinc reported to average 43%Pb., 28 oz. Ag., 2% Zn. Ore found in the footwall was reported to average 38% Zn. The total production of the mine to date is said to be between $6,000,000.00 and $12,000,000.00.

The property is equipped with buildings and fixtures sufficient for mining operation but may require the addition of two machine drills and a truck for the proposed work.

Ore Bodies:

The ore bodies of the mine are found as lenticular masses in the limestone intersected by severe faulting. These masses are distributed through a zone 1500-feet long and several hundred feet wide, having a general strike N. W. with an average dip of 70 degrees S. W. The lenticular masses of ore in some instances have attained a thickness of over 40 feet extending from the surface to the 550 foot level.

It is the contention of the applicant and others familiar with the district that the principal orebodies so far discovered in the Cerro Gordo Mine conform to the trend of the enclosing rocks and that they have been found in close proximity to monzonite porphyry dykes or masses. The mine has many miles of workings but the present interest is confined to the area above the 550-foot level looking toward an unexplored section to the S. E.

Exploration Program:

The applicant proposes a program of exploration based on the geological theory that the San Felipe Vein (diorite dyke) is the main source of mineralization since the three main orebodies of the mine were located along this structure above the 550 level. This work to consist

of a continuation of the 550 level drift from its present face in a general direction of S. 45 E. for a distance of 420 feet. Crosscuts are to be run N. 30 E. and S. 30 W. at intervals of approximately 200' or at such less intervals as may be indicated by favorable showings as the work progresses. The length of these crosscuts are to be determined by the sufficiency of favorable geological disclosures resulting from the work.

Geological Reports:

The Field Team reports that at lower levels there has been little exploration to the S. E. and that the exploration to the S. E. as defined by the applicant would be in a block of ground "not known to be mineralized". They state that the proposed work on the 550 level would test ground "not known to be condemned by exploration."

Ward Smith, USGS Field Team Member, is reported to have intimate knowledge of the mine and in a letter of November 2, 1951, wrote that "the proposal to drive S. E. along the San Felipe zone in unopened ground might not be so bad if the drift were continued only so long as it looked promising, that the exploration might go 350 feet or so and then quit unless it seemed reasonable to go on."

Geologists of the International Smelting and Refining Company, who have recently examined the property, reported on December 20, 1951, that it is their theory that the, "mineralizing solutions rose along the San Felipe vein until they reached a point at which they could follow the bedding in favorable limestone and still continue to rise." They state that at any point below such horizon, the solutions would have had to reverse themselves. If this theory is correct, those areas where the San Felipe vein cuts S. W. dipping favorable limestone beds in its footwall are deserving of exploration. Such an area appears to exist along the San Felipe vein to the southeast of the present 550 level workings.

Recommendations:

The Cerro Gordo mine has been a prolific producer of high-grade lead and zinc ore. In the same general area toward the Southeast at Darwin and Tecopa, the history of the Cerro Gordo is repeated in a somewhat lesser degree. In both these instances there were periods when the mines were thought to be worked out but further exploration disclosed new ore bodies. The result has been that the mines have, in recent times, been taken over by the Anaconda Copper Company, and are presently notable producers of lead and zinc.

It may very well be that the success resulting from further exploration in the cases of Darwin and Tecopa can be repeated at the Cerro Gordo Mine. The conditions are generally similar historically and geologically. The applicant is willing and financially able to furnish its portion of matching funds and to carry on subsequent operations if it appears that

results of the exploration work are such as to hold promise of success.

Since it is the purpose of the Government to provide aid for unknown and undeveloped sources of strategic minerals it is the opinion of the Lead-Zinc Branch that an amended application may be favorably considered. It is further suggested that the project be presented to the corresponding commodity section of the USGS and USBM. If they are in agreement with this office then a contract can be prepared for a limited initial program with further exploration to be undertaken if the preliminary results are satisfactory.

D. E. Moulds

D. E. Moulds

500
FILE COPY
SURNAME:

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

Mmd Co

Memorandum JAN 1 4 1952

To: Mr. C. O. Mittendorf

From: Mr. D. E. Moulds

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The property is equipped with buildings and fixtures sufficient for mining operation but may require the addition of two machine drills and a truck for the proposed work.

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It is the contention of the applicant and others familiar with the district that the principal orebodies so far discovered in the Cerro Gordo Mine conform to the trend of the enclosing rocks and that they have been found in close proximity to monzonite porphyry dykes or masses. The mine has many miles of workings but the present interest is confined to the area above the 5-0-foot level looking toward an unexplored section to the S. E.

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D. E. Moulds

AGKeating: hmj
1-14-52
cc to: Docket File Copy
Mr. Moulds
Mr. Keating

CLASS OF SERVICE

This is a full-rate Telegram or Cablegram unless its deferred character is indicated by a suitable symbol above or preceding the address.

WESTERN UNION

1201

W. P. MARSHALL, PRESIDENT

SYMBOLS
DL=Day Letter
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LT=Int'l Letter Telegram
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1952 JAN 14 AM 2 58

D.LLE28 PD=DK DALLAS TEX 14 145A=

JOSEPH KEATING, DEFENSE MINERALS EXPLORATION DEPT OF INTERIOR=
WASHDC=

RETURNING NEW YORK MONDAY=

W C KEGG=

DEFENSE MINERALS ADMINISTRATION WASHINGTON, D.C.
JAN 14 8 27 AM '52

THE COMPANY WILL APPRECIATE SUGGESTIONS FROM ITS PATRONS CONCERNING ITS SERVICE

JAN 14 7 44 AM '52

BUREAU OF MINES
MAIL ROOM
WASHINGTON, D. C.

1952 JAN 14 AM 3 19

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CLASS OF SERVICE

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WESTERN UNION

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1201

W. P. MARSHALL, PRESIDENT

1952 JAN 11 PM 12 21

SYMBOLS
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=JOS KEATING

=DEFENSE MINERALS EXPLORATION DEPT OF INTERIOR BLDG ADMINISTRATION=

=LEAVING CITY RETURN HERE WEDNESDAY NEXT=

=W C RIGG=

DEFENSE MINERALS ADMINISTRATION WASHINGTON, D.C.

JAN 11 1 34 PM '52

THE COMPANY WILL APPRECIATE SUGGESTIONS FROM ITS PATRONS CONCERNING ITS SERVICE

JAN 11 12 53 PM '52
BUREAU OF MINES
MAIL ROOM
WASHINGTON, D. C.

FILE COPY
SURNAME:

Moulds
Mittendorf

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

JAN 7 1952

Mr. W. C. Rigg
Hampshire House
150 Central Avenue
New York, New York

Re: Docket No. DMEA 1678X
Cerro Gordo Mine

Dear Mr. Rigg:

We have found in the files photostats of pages 107-116 inclusive of the pamphlet "Geologic Reconnaissance of Inyo Range", which had not been returned to you and to which you referred on your recent visit to this office. This is part of the material which we presume was transmitted under Item 12 of Form MF-100, dated May 22, 1951.

We are holding the photostats pending receipt of your instructions as to mailing, or, if you desire, will hold pending decision on your revised application.

Sincerely yours,

SIGNED 1-7-52

D. E. Moulds, Acting Chief
Base Metals Division
Defense Minerals Exploration
Administration

DEMOULDS/meh
1/5/52
cc to: Adm. R. File
Mails and Files
Mr. Mittendorf
Mr. Moulds
Docket

J.a.

Bill Broadgate
Sterling 1100

Hampshire House
150 Central Park South
New York, N. Y.

December 28, 1951

Mr. C. O. Mittendorf, Acting Administrator
Defense Minerals Exploration Administration
U. S. Department of the Interior
Washington 25, D. C.

Re: DMA Docket 1678 (Lead-Zinc, California)
Lead King Mines, Inc.

Dear Mr. Mittendorf:

As indicated in my letter of December 10th, written subsequently to my conversation with you and Mr. Johnson, we wish a reexamination of the above application for participation in the DMEA exploration assistance program for lead-zinc projects.

For your perusal enclosed are two letters received from the Anaconda Copper Co., whose geologists have been making a study of the Cerro Gordo Mines, amplifying the geological reasoning for the exploration work contemplated. In support of this theory I wish to point out that the largest stope at Cerro Gordo, the China or Bullion-Union ore body and the San Felipe ore body both bottomed just above the 550' level on the San Felipe Fault. In addition the Omega ore chimney and the largest of the zinc deposits contacted the San Felipe.

The Anaconda Company has been successful in discovering considerable additional lead-zinc ore at two of their properties nearby Cerro Gordo, namely Darwin and Tecopa. The geologist whose letter is enclosed contributed materially to these efforts.

Mr. C. O. Mittendorf

We have confined this revised exploration program to following the San Felipe Fault to its junction with the Mormon Fault, (also mineralized), with exploration cross drifts.

The present plan of exploration sketched on the plan view of the 550' level map enclosed is as follows:

976E 1210S	Drift S45E along the San Felipe to Juncture of Mormom Fault 1260E 1510S.		420'
1110E 1356S	X Drift N 20E		200'
	X Drift S 48W		50'
1264E 1510S	X Drift N 20E		200'
	Total development		870'

Cost of Project:

870' Drifting	$31,276.50
Initial repairs	1,900.00
Equipment cost not now owned	6,390.00
	$39,566.50
Application for Government participation	19,783.25
Lead King Mines, Inc. participation	19,783.25

Cost detail per foot advance:

Underground labor	$12.00
Hoistman	3.00
Tapman-trammer	2.80
Miscellaneous labor	2.00
Cook	1.40
Superintendent (Mechanic Electrician)	4.00
Power	2.00
Powder	4.00
Fuse and caps	.45
Pike, Rail and Steel	1.60
Lunching and supplies	2.00
Insurance	.70
Cost per foot	$35.95

Mr. C. O. Mittendorf

Note: There are no administrative salaries.

The pertinent maps are returned herewith.

We feel strongly that this is a worthy project as is evidenced by our willingness to venture our own funds in participation. We trust that approval of the application may be had as we are ready to begin work immediately we get the green light from DMEA.

Very truly yours,

LEAD KING MINES, Inc.

President

INTERNATIONAL SMELTING AND REFINING COMPANY

818 Kearns Building, Salt Lake City 1, Utah

ANACONDA

Geological Department
M. B. KILDALE, Chief Geologist

December 20, 1951

Mr. W. C. Rigg
Hampshire House
150 Central Park South
New York, N. Y.

Dear Mr. Rigg:

Mr. Kildale has informed me of your desire to obtain our views concerning the future development possibilities at the Cerro Gordo Mine, Inyo County, California. Although we have not completed sufficient mapping to obtain a complete picture of all the geologic conditions that occur at Cerro Gordo, our mapping to date has afforded us a possible explanation of the occurrence of the orebodies in the China stope area.

Some time ago you received from us a copy of one of our 50-scale geologic cross sections drawn on a bearing of N 23° E through the heart of the China stope area. This map illustrates our theory that the mineralizing solutions rose along the San Felipe vein until they reached a point at which they could follow the bedding in favorable limestone and still continue to rise. At any point below here, the solutions would have had to reverse their direction and go downward in order to follow the bedding.

If this picture is correct, those areas, where the San Felipe vein cuts southwesterly dipping favorable limestone beds in its footwall, are deserving of exploration. Such an area appears to exist along the San Felipe vein to the southeast of the present 550 level workings. Here, the favorable limestone beds of the China stope area are believed to dip to the southwest in the footwall of the San Felipe vein. This exploration project is vague in that we, as yet, have not been able to isolate those geologic controls which determine the plan position of the orebodies along the San Felipe vein.

The development possibility, outlined above, is directed toward a very general target area. Our work, to date, has not given us sufficient information to permit us to "pin-point" this target; in fact, we have no assurance that additional limestone replacement orebodies occur along the San Felipe vein. We are anxious to extend our underground mapping into the Jefferson stope area when these workings are reopened. Perhaps further evidence, derived from this work, will support our present findings and permit us to lay out more definite target areas.

I trust this information will be of assistance to you.

With best personal regards,

Very truly yours,

Robert Seklemian

R. Seklemian

RS/lh

INTERNATIONAL SMELTING AND REFINING COMPANY

818 Kearns Building, Salt Lake City 1, Utah

ANACONDA

Geological Department
M. B. KILDALE, Chief Geologist

December 21, 1951

Mr. W. C. Rigg
Hampshire House
150 Central Park South
New York, N. Y.

Dear Mr. Rigg:

As per your request I am sending you, in the form of a letter by Mr. Seklemian, our views concerning some possible exploration work which can be carried on from the presently accessible workings of the Cerro Gordo mine. As you will recall, last April you asked us if we could make any suggestions as to short-range development projects within that mine. We had no definite short-range recommendations to make but during a discussion with you here in Salt Lake City the general possibilities of the area along the San Felipe zone southeast of the present workings was pointed out by Mr. Seklemian, who had done the geological mapping in the accessible parts of the mine and had come to the conclusion that that zone was probably the "feeding fissure" for the China orebody. In line with this idea, he sent you a sketch cross section through the China stope area. His recent letter, which is attached hereto, summarizes his ideas for possible further work in the unexplored area where the apparently favorable "China stope beds" should exist along the projection of the San Felipe zone and where the attitude of the beds should be favorable for the upward movement of ore-bearing solutions outward from the fissure zone.

In this connection I must emphasize again two points--first, that our geological examination of the Cerro Gordo has not been complete due to the inaccessibility of many of the old workings and secondly, that the suggestion made to you regarding further drifting on the 550 level is based purely upon a "geological possibility". As Mr. Seklemian points out, it is a "general target" and the exact nature and amount of work which is justified here will, in our opinion, have to be determined by the geological conditions found to exist as the work progresses.

With best wishes for the New Year,

Sincerely yours,

M B Kildale

M. B. Kildale

MBK/lh
Enc.

LEAD KING MINES
POST OFFICE BOX 1220
BEVERLY HILLS, CALIFORNIA

MINE ADDRESS
P. O. BOX 27
LONE PINE, CALIF.

DEPARTMENT OF THE INTERIOR
RECEIVED
DEC 1 1 1951
Defense Minerals Administration,
Production Expansion Division.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
DEC 1 1 1951

December 10, 1951.

Mr. C. O. Mittendorf, Acting Administrator,
Defense Minerals Exploration Administration,
United States Department of the Interior,
Washington 25, D. C.

Dear Mr. Mittendorf, DMA Docket 1678 Lead-Zinc

This will acknowledge your letter of December 3rd., relative to the above file. We are desirous of re-opening this application and will shortly forward request for re-examination, at which time additional geological data will be submitted.

Cordially yours,

LEAD KING MINES

W. C. King

President.

Hampshire House
150 Central Park South
New York, N. Y.

WCR/R.

400
FILE COPY
SURNAME:

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

DEC 3 - 1951

Moulds
Bishop
McKnight (Lyons)
Mitt
Moon
Thayer
F.E. Johnson

Mr. W. C. Rigg
Hampshire House
150 Central Park, South
New York, New York

Re: DMA Docket 1678
Lead-Zinc

Dear Mr. Rigg:

With reference to your application for exploration project assistance of May 22, 1951, and modified program of October 31, 1951, the Government has made a detailed study of the data submitted by you and, also, all geological and field data presently available. We find that your proposal to explore the San Felipe zone southeast of the presently explored area of the Cerro Gordo Mine is not sufficiently supported by geological evidence to substantiate participation by the Government in an exploration project. Your application for exploration project assistance under Mineral Order 5 is therefore denied.

The Government is very much interested in participation in all well defined projects geologically favorable for a discovery and later production of critical materials. We appreciate, therefore, the opportunity to review your project and regret that it does not fulfill the qualification required for this participation.

As you have requested we are returning under separate cover the following: 7 level maps, 1 surface map, 1 longitudinal projection of ore bodies, 1 geological map of surface, 1 claims map, 1 cross section and 4 copies of report by R. T. Walker.

Sincerely yours, 12/3

C. O. Mittendorf (for)

Acting Administrator
Defense Minerals Exploration
Administration

Enclosures-16
DEMoulds/lm/jem/meh
11/29/51
cc to: Adm. Reading File
Reports and Records
Mittendorf
E. T. McKnight
O. Bishop
Region III (2) D. E. Moulds Docket

IN REPLY REFER TO:

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

November 26, 1951

Memorandum

To: Mr. C. O. Mittendorf

From: Mr. Erwin J. Lyons,
Geological Survey

Re: Docket No. 1678
Lead King Mines
Beverly Hills, California
Cerro Gordo Mine
Inyo County, California
Exploration loan, $54,535
Lead, zinc

Subject: Recommendation for denial of application for an exploration loan.

The Cerro Gordo mine is about 6 miles west of Keeler, California in the southern part of the Inyo range.

The sedimentary formations in the vicinity of the mine are limestone, dolomites, shales, and quartzites of Ordovician, Devonian, and Mississippian Ages. The commercial deposits are confined to the Devonian limestones. Intrusive into the sedimentary rocks are dikes of monzonite porphyry, diabase, and quartz diorite porphyry.

Three periods of mineralization can be recognized: the earliest was a period of deposition of pyrite; the second of argentiferous galena and sphalerite with some pyrite; the third of quartz with subordinate amounts of galena and argentiferous tetrahedrite. The more productive ore bodies were formed during the second period of mineralization.

Preceding and separating the several periods of mineralization were periods of faulting and intrusions of igneous rock in the form of dikes.

The property has been developed by eleven levels and sublevels and a number of adits.

According to the applicant, principal production was during the years 1868-1875, 1911-1918, and 1931-1934, when lead, silver, and zinc ores valued at approximately $12,000,000 were produced. Grade of the lead ore was 41-43% Pb, about 28 oz. Ag, and 2% Zn. The zinc ore averaged 35% Zn per ton.

The applicant originally applied for an exploration loan of $100,780, on a participating basis, to extend the 550 level 1100 ft. southeast on the San Felipe vein driving 6 crosscuts, each 200 ft. in length, at 200 ft. intervals along the drift and raising at favorable localities. After consultation with the field, the program was reduced by 50%, although the field team gives only a very weak acquiescence to this program and believes that the reduction should be more.

On the basis of the data presented by the applicant, however, the program cannot be justified. The San Felipe vein which is to be explored is of the third period of mineralization. Veins of this period generally are narrow and have been worked only during periods of high silver prices. According to the level maps, the San Felipe vein has been stoped on only 3 levels, and no stopes are indicated on the 550 level which is to be explored. In addition, the proposed extension of the drift will explore the ground east of the Jefferson (diabase) dike, ground in which no deposits have been found and which has been considered unfavorable. Furthermore, there is some doubt as to whether the proposed drift is following the San Felipe vein or whether it is south of the vein. The cross section which the applicant submitted as favorable data apparently is located about 200 ft. northwest of the face from which the exploration drift will be driven and in itself does not constitute evidence of an ore body or of mineralized ground in the area to be explored.

In view of the above, it is recommended that the application be denied and that a letter similar to the attached draft be sent to the applicant.

Attached hereto are:

3 Copies of Form MF-103
3 Copies of Form MF-100
1 Copy of pp. 107-116 of Professional Paper 110
~~1 Copies of report by R. F. Walker~~
2 Copies of "Review of Application"
2 Copies of memorandum and appraisal from H. C. Miller dated August 7, 1951.
1 Letter from applicant dated Aug. 27, 1951.
1 Copy of memorandum and appraisal from H. C. Miller, dated September 26, 1951.
1 Copy of letter from applicant dated October 31, 1951.
1 " " " " " " " 31, 1951, giving costs of amended program.
1 Copy of letter to E. T. McKnight from Ward C. Smith

To be returned to the applicant:

7 Level maps of Cerro Gordo Mine.
1 Surface map.
1 Longitudinal projection of ore bodies.
1 Cross section (colored).
1 Geologic map of surface.
1 Claims map.
4 Copies of report by R. T. Walker

Erwin J. Lyons

Erwin J. Lyons
Geologist

FILE COPY
Surname:

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

Leon McKnight

November 26, 1951

Memorandum

Re: Docket No. 1678
Lead King Mines
Beverly Hills, California
Cerro Gordo Mine
Inyo County, California
Exploration loan, $54,535
Lead, zinc

To: Mr. C. O. Mittendorf

From: Mr. Erwin J. Lyons,
Geological Survey

Subject: Recommendation for denial of application for an exploration loan.

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BL

The applicant originally applied for an exploration loan of $100,780, on a participating basis, to extend the 550 level 1100 ft. southeast on the San Felipe vein driving 6 crosscuts, each 200 ft. in length, at 200 ft. intervals along the drift and raising at favorable localities. After consultation with the field, the program was reduced by 50%, although the field team gives only a very weak acquiescence to this program and believes that the reduction should be more.

On the basis of the data presented by the applicant, however, the program cannot be justified. The San Felipe vein which is to be explored is of the third period of mineralization. Veins of this period generally are narrow and have been worked only during periods of high silver prices. According to the level maps, the San Felipe vein has been stoped on only 3 levels, and no stopes are indicated on the 550 level which is to be explored. In addition, the proposed extension of the drift will explore the ground east of the Jefferson (diabase) dike, ground in which no deposits have been found and which has been considered unfavorable. Furthermore, there is some doubt as to whether the proposed drift is following the San Felipe vein or whether it is south of the vein. The cross section which the applicant submitted as favorable data apparently is located about 200 ft. northwest of the face from which the exploration drift will be driven and in itself does not constitute evidence of an ore body or of mineralized ground in the area to be explored.

In view of the above, it is recommended that the application be denied and that a letter similar to the attached draft be sent to the applicant.

Attached hereto are:

3 Copies of Form MF-103
3 Copies of Form MF-100
1 Copy of pp. 107-116 of Professional Paper 110
~~1 Copies of report by xxxxxxxxxxx~~
2 Copies of "Review of Application"
2 Copies of memorandum and appraisal from H. C. Miller dated August 7, 1951.
1 Letter from applicant dated Aug. 27, 1951.
1 Copy of memorandum and appraisal from H. C. Miller, dated September 26, 1951.
1 Copy of letter from applicant dated October 31, 1951.
1 " " " " " " 31, 1951, giving costs of amended program.
1 Copy of letter to E. T. McKnight from Ward C. Smith

To be returned to the applicant:

7 Level maps of Cerro Gordo Mine.
1 Surface map.
1 Longitudinal projection of ore bodies.
1 Cross section (colored).
1 Geologic map of surface.
1 Claims map.
4 Copies of report by R. T. Walker

Erwin J. Lyons
Geologist

EJLyons:emp
Copies to: H. C. Miller, Region III (2)
E. T. McKnight 4204 GSA
O. M. Bishop - Interior
Directors r. files 4214 GSA
Br. r. files 4214 GSA
Administrators r. files
Geol. files

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
102 Old Mint Building
San Francisco 3, California

November 2, 1951

Mr. E.T. McKnight
Mineral Deposits Branch
U.S. Geological Survey
Washington 25, D.C.

Dear Mac:

For your information I quote a note dated October 30, from Charles Merriam, concerning Cerro Gordo, DMA 1678X:

"Tony Rigg called me about his Cerro application and I deferred to you in the matter. I guess he must have contacted you.

"Anyhow he had been to see McKnight. It appeared to me the proposal to drive southeast along the San Felipe zone in unopened ground might not be so bad if the drift were continued only so long as it might look promising. The proposal to go some predetermined distance like 1000 feet (for benefit of the contractor) would not be so hot. Might go 350 or so and then quit unless it seemed reasonable to go on.

"I also suggested an alternative objective in case the San Felipe looked sour in 350 feet or so. What that would be I don't know unless it is something down on the 900?"

I agree with Charles, assuming Rigg will lay out a reduced program prior to okay of a contract.

Sincerely,

Ward

Ward C. Smith

See you Washington Nov. 13?

MINE ADDRESS
P. O. BOX 27
LONE PINE, CALIF.

LEAD KING MINES
POST OFFICE BOX 1220
BEVERLY HILLS, CALIFORNIA

October 31, 1951.

Chief, Lead Zinc Division,
Defense Minerals Administration,
Department of the Interior,
Washington, D. C.

Subject: DMA 1678X
Re Exploration loan
Cerro Gordo Mine.

Dear Sir,

With reference to the above loan application, as discussed with your Mr. E. T. McKnight in Washington, and Mr. Ward Smith in San Francisco, it would be agreeable to restrict the initial exploratory work to half the distance (550' with lateral cross drifts) at which time should ore not have been encountered, your field representatives would survey new development to decide upon the advisability of continuing further on the same south-easterly course, or change locale or direction.

Under this program, the initial stage would require only $54,535.00 or $27,267.50 to be expended by you, and the same amount by us. This total comprises:

Exploration	$46,245.00
Initial repairs	1,900.00
Equipment cost not now owned.	6,390.00
	$54,535.00

If this suggestion is acceptable, we are ready to start this effort. Will you kindly send communications for the time being to me Hampshire House, 150 Central Park South, New York, N. Y.

Thanking you.

Very truly yours,
LEAD KING MINES

W. C. King
President.

OFFICIAL FILE COPY

To	Initials	Date
210		

DEFENSE MINERALS ADMINISTRATION WASHINGTON, D.C.
NOV 2 8 54 AM '51

WCR/R.

Hampshire House

NEW YORK CITY

Oct 31, 1951

Dear Mr McKnight,

I have today sent letter to the Chief of Lead Zinc Division of Defense Materials Administration suggesting amendment to program for exploration at Cerro Gordo as discussed & outlined in conversations with you & Howard Smith.

Cordially

W. C. McK.

UNITED STATES
DEPARTMENT OF THE INTERIOR

OFFICIAL FILE COPY

~~BUREAU OF MINES~~

~~REGION III~~

DEFENSE MINERALS ADMINISTRATION

To	Init.	Date
210		

~~1012 FLOOD BUILDING~~
~~870 MARKET STREET~~
~~SAN FRANCISCO 2, CALIFORNIA~~

DEPT. OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT 1 1951

OFFICE OF
~~REGIONAL DIRECTOR~~
Executive Officer
DMA Field Team
Region III

Sept. 26, 1951

Memorandum

To: Tom Lyon, Chairman, Coordinating Committee, DMA, Interior Building, Washington 25, D. C.

From: Executive Officer, DMA Field Team, Region III

Subject: Docket DMA-1678X, Lead-Zinc
Lead King Mines, Cerro Gordo Mine

Reference is to your letter of August 31 to me, returning subject docket for additional review.

Enclosed are four copies of an "Appraisal of proposed exploration, Cerro Gordo Mine, Inyo County, California," by Ward Smith and Charles Merriam. These geologists had previously appraised the applicant's proposal, but owing to an erroneous interpretation of faulty data in the original application, it has been necessary for them to make a reappraisal.

The geologists conclude that the application should not be approved in the amended form, as the possibility of the exploration finding ore is believed to be very small.

The reappraisal has been delayed in the office of the Geological Survey because (1) Ward Smith who has intimate knowledge of the mine was assigned by the Director of the Survey to another urgent job, and (2) it seemed advisable for him to delay his report until he conferred with Mr. Merriam, who also has made a study of the Cerro Gordo mine. The delay was made known to the applicant, Mr. W. C. Rigg, at New York, by phone on September 13 and was acceptable to him. Ward Smith also tells me that he has informed Mr. Rigg that he does not believe the geologic evidence presented to support the exploration proposal is strong enough to suggest the exploration will succeed in the finding of new ore bodies. At the same time Smith informed Mr. Rigg that he and Merriam planned to go over the many level maps of the mine and the geologic map of the surface in late October or November. If by a more exhaustive study they are able to present to Mr. Rigg suggestions for a worthwhile exploration proposal, they will do so. Because of the complexity of the geology and the extent of the workings, a quick appraisal of the entire mine area will require

OCT 1 1951

several weeks' time and could not be undertaken immediately on receipt of the DMA application, even though we recognize this would be desirable.

Docket DMA-1678X is being returned herewith. The maps accompanying the application are going forward to you today under separate cover.

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

Attachments

Copy to: Edgar H. Bailey, USGS

Appraisal of proposed exploration
Cerro Gordo mine (DMA-1678x)
Inyo County, California

The application should not be approved in its amended form. The exploration, now defined as to the southeast, would be in a block of ground not known to be mineralized. The reasons given for the exploration are that the block consists of the same country rock (mainly marble) that contained the principal ore bodies, and that the structure in it is favorable.

The statement of the proposed work is still very short and not clear. The work is described as mainly a drift southeastward on the San Felipe fault, or vein, on the 550 Level, but the accompanying photostat shows the proposed drift as the extension of a drift along the north quartz diorite porphyry. The existing drift on the dike, extending 400 feet or more, found no ore. On the 550 Level, the San Felipe loses its identity about 500 feet northwest of the beginning of the proposed drift; the southeastward extension is not marked. Its extension may be along the dike, or it may be along either the Upper China flat vein or the Lower China vein. The best indication of the southeastern extension is on the 900 Level, where the San Felipe is labeled in two places. On the 400 and 700 Levels, however, the southeastern extension is unknown.

More fundamental than the confusion over the relation of the proposed drift to the San Felipe fault or vein is the merit of the block of ground that would be explored by going southeastward on the 550 Level. In the proposal considerable stress is laid on the significance of the cross section, and on the tight fold in the bedding shown on it, below the 550 Level. The proposal also refers to "tilt normal to the trend of the country" as significant. The evidence for this structure is scant, but can be seen on the 700 Level, where also it will be noted that the marble in the folded beds is barren, as pointed out in the proposal.

Not only is the evidence for the structure as drawn rather scant, but even if the structure stands as represented, the conclusion that such structure makes the block of ground promising for ore is without convincing support. Specific or positive local guides to ore bodies in the marble have long been sought, but so far they seem to add up to a generalization that ore bodies of several types are in a north-trending fracture zone which is bounded on the west by shales and on the east by the Jefferson dike. The proposed drift southeastward would be away from the shale and out of the fracture zone known to have contained ore bodies. Such work was done without profit on the 200 Level, where many hundreds of feet of workings found no ore east of the Jefferson dike. At lower levels there has been little exploration southeastward, hence the proposed work on the 550 Level would test ground not known to be condemned by exploration. This is the best that can be said.

Ward C. Smith, Geologist
Charles Merriam, Geologist
U. S. Geological Survey

September 24, 1951

FILE COPY
SURNAME:

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

A. E. C. - McKnight, Mostek (Mota), Johnson

AUG 31 1951

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

Re: DMA-1678X
Lead-King Mines
Cerro Gordo Mine
Exploration Mine, $100,780
Lead-Zinc Loan

Dear Mr. Miller:

The subject docket is being returned herewith for additional review.

The original application says that the proposed drifting on the San Felipe vein was to be to the southwest. The interpretation in the Washington review of this docket was that the applicant meant northwest instead of southwest, ~~but~~ for the San Felipe vein obviously runs northwest-southeast. Because of the unorthodox orientation of the map with north to the left, what appears to be southwest is actually northwest. Evidently without any collaboration between the Washington office and Ward Smith, he similarly interpreted the direction of the drift to be to the northwest.

It turns out that the applicant is proposing that the drifting on the San Felipe vein ~~but~~ to the southeast which completely nullifies the consideration previously given to this docket by Ward. The docket is being returned with the original review memorandum prepared in the Washington office. It is requested that a new review by made by Ward.

The applicant has placed great stress on the colored cross section of the mine which he tells us was made by the Anaconda geologists. There is a sharp fold shown below the 550 level so that conditions above this level are different from those below it. The applicant, in a telephone conversation with us stresses his belief that the lack of sharp folding above the 550 level should allow a more open fracturing which he thinks accounts for the stopes already mined above that level and should be favorable for discovery of new ore in the proposed drift to the southeast.

Applicant has talked with Ward Smith by long distance and reports in a conversation with us that Ward did not have the colored cross section when he studies this proposal the previous time. He is somewhat annoyed that the cross section got lost as he considered it

the most important illustration in the set, representing as it does a new interpretation which he claims is at variance with early interpretations by at least some geologists. He has furnished a new copy of the colored cross section with a request that it be returned to him when we are finished with it.

Forwarded herewith are the following:

Copy of Ward's previous 1-page report.
Copy of original memo referring application to field
Copy of MF-100
Copy of MF-103
Geologic report by R. T. Walker
Photostat of pages 107 to 116 of
U. S. Geological Survey Prof. Paper 110
8 level maps of Cerro Gordo) Transmitted
Claim map of Cerro Gordo area)
Surface map of Cerro Gordo area) in
Colored geologic map of Cerro Gordo area)
Colored cross section) Mailing tube

Transmittal letters to Herres and Body from applicant dated May 28.
Letter from applicant dated August 27.

Note from applicant's letter of August 27 that he has made telephone arrangements with Ward Smith to examine this docket on Tuesday September 4.

Very truly yours,

~~ROBERT E. ADAMS~~

SIGNED

This was stripped by girl from Lyons office & was signed 8/3 cc

Tom Lyon, Chairman
Coordinating Committee

for Bureau of Mines

for the Geological Survey

ETMcKnight:emp
G 8-30-51
Copies to: Chief, Lead-Zinc Br.
E. T. McKnight 4204 GSA
R. H. Mote
Reports & Records
Directors r. file 4214 GSA
Br. r. file 4214 GSA
Files

FILE COPY 350
SURNAME:

McKnight
Mantch (Mote)
Johnson
Lyon
Moon

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

Re: DMA-1678

AUG 31 1951

Mr. W. C. Rigg
Hampshire House
150 Central Park South
New York, New York

Dear Mr. Rigg:

In line with the telephone conversation between you and Mr. McKnight, we are returning your application DMA-1678, to Mr. H. C. Miller, Executive Officer, DMA Field Team, 1012 Flood Building, 870 Market Street, San Francisco 2, California, with the request that it be referred to Ward Smith for further attention. The field team's attention has been called to the error in interpretation as to the direction of drift on the San Felipe vein.

Very truly yours,

8/31

Tom Lyon

Tom Lyon, Director
Supply Division

ETMcKnight:emp
G 8-30-51
Copies to: H. C. Miller (2)
Chief, Lead-Zinc Br.
E. T. McKnight 4204 GSA
R. H. Mote
Reports & Records
Directors r. file 4214 GSA
Br. r. file 4214 GSA
Files

Hampshire House

NEW YORK CITY

August 27, 1951.

Mr. E. T. McKnight,
United States Geological Survey,
General Services Administration Bldg.
Washington, D. C.

Dear Mr. McKnight,

The cross section map showing lime structure of area of proposed development at the Cerro Gordo mine, together with plan view of the 550' level showing proposed development in green pencil sketch, have been mailed you under separate cover. Would like these returned to me when they have served your purpose.

I telephoned Ward Smith in San Francisco after our talk. He advised that lime structure map had not been seen by him. He is going to Redding this week, but will look these maps over when he returns, Tuesday next, if you will forward them on to him.

The direction of the exploration drift is South-East, not North-West as given Smith. You will note the bedding below the 550' level is a tight fold, above which is the bottom of the China or Bullion-Union stope, off the San Felipe. The main igneous formation is further to the South-East.

Cordially yours,

W. C. RIGG.

WCR/R.

CLASS OF SERVICE

This is a full-rate Telegram or Cablegram unless its deferred character is indicated by a suitable symbol above or preceding the address.

WESTERN UNION

W. P. MARSHALL, PRESIDENT

1201 AUG 20 AM 11 20

(18)

Code 350

SYMBOLS
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NL=Night Letter
LT=Int'l Letter Telegram
VLT=Int'l Victory Ltr.

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Cm. 3618

WP035 26 PD INTL FR=ZP PARIS VIA WUCABLES 20 1350=

BILLINGS, CHIEF= LEAD ZINC BRANCH DEFENSE MINERALS ADMINISTRATION INTERIOR BLDG WASHINGTON DC USA=

THANKS CABLE TENTH LEAVING HERE TOMORROW WILL CALL YOU LATER THIS WEEK=

RIGG=

Files 8/21/51

Omm 1678

AUG 20 1951

THE COMPANY WILL APPRECIATE SUGGESTIONS FROM ITS PATRONS CONCERNING ITS SERVICE

AUG 20 12 47 PM '51
BUREAU OF MINES
MAIL ROOM
WASHINGTON, D. C.

FILE COPY
SURNAME:

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

Defense Minerals Administration
Salaries and Expenses Defense
Production Act Department of
Interior 1420137 - 1952

Billings
O'Leary
(For MBTC)
McKnight

CABLEGRAM

Lead King
mins. Inc.

August 10, 1951

MR. W. C. Rigg
Continental Hotel
Paris, France

Field Team advises sending in report today.

T. P. Billings, Chief
Lead-Zinc Branch

TPBillings'lm

cc: Mr. Maye
Audits
Reports and Records
Mote
McKnight
√ DMA Docket File
Moon
J. H. East, Jr., Region IV - 2

UNITED STATES
DEPARTMENT OF THE INTERIOR
~~BUREAU OF MINES~~
~~REGION XXXX~~
DEFENSE MINERALS ADMINISTRATION

~~OFFICE OF~~
~~REGIONAL DIRECTOR~~
Office of
Executive Officer
DMA Field Team
Region III

~~XXXXXXXXXXXXXXXX~~
~~XXXXXXXXXXXXXXXX~~
~~SAN FRANCISCO 1, CALIF.~~
1012 Flood Building
870 Market Street
San Francisco 2, Calif.

August 7, 1951

Memorandum

To: Tom Lyon, Chairman, Coordinating Committee, Defense Minerals Administration, Washington 25, D. C.

From: Executive Officer, DMA Field Team, Region III

Subject: DMA 1678x - Lead King Mine
P. O. Box 1440, Beverly Hills, California
Lead-Zinc

Reference is to your "Review of Application for Exploration Assistance" dated July 12, requesting us to refer subject docket to Ward Smith of the Geological Survey for his comments regarding subject's application.

Mr. Smith's comments, dated July 27, 1951, are attached hereto. You will note that Mr. Smith concludes the application should not be approved in its present form and recommends that the applicant be informed of this conclusion for the reasons he sets forth in his (Smith's) appraisal of the proposed program.

The maps accompanying the docket are being returned under separate cover. The docket is being returned herewith.

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
AUG 13 1951

Attachment

Copy to: E. H. Bailey (Without attachment)

AUG 13 1951

DMA-1678x
Lead-Zinc

Appraisal of proposed exploration
Cerro Gordo mine
Inyo County, California

The application should not be approved in its present form, because the applicant's statement of the proposed exploration work is not explicit and fails to take account of geologic conditions shown on the maps submitted with the application.

The statement of the proposed exploration, given in the application under Item 22, is very short and not entirely clear. It seems that the proposed exploration is to be on the 550 level, and is to consist of a drift along the San Felipe fault, plus crosscuts and raises at intervals along the new drift. The proposed drifting is stated as "SW" along the fault, but it probably should be "NW" because the fault strikes northwest. The length of the proposed exploratory drift is given as 1100 feet, but on the 550 level a drift northwestward along the San Felipe fault probably would hit the Omega fault in about 150 feet. Rather extensive exploration of the Omega fault has already been done on the 700 level, as shown on the applicant's maps, without finding ore. Five hundred feet of drift along the Omega fault and crosscuts from the fault back into the footwall marble encountered no ore. No ore bodies have been found on any level in the shale that makes up the hanging wall of the Omega fault.

It is recommended that the applicant be informed of the foregoing reasons for not approving his application. Also, he probably should be told that if he wishes to submit a modified proposal, it would be most helpful if his proposal were stated as completely and explicitly as the mine surveys and geologic maps of the property permit.

Ward C. Smith, Geologist
Charles Merriam, Geologist
U. S. Geological Survey

July 27, 1951

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
AUG 13 1951

DMA-1678x
Lead-Zinc

Appraisal of proposed exploration
Cerro Gordo mine
Inyo County, California

The application should not be approved in its present form, because the applicant's statement of the proposed exploration work is not explicit and fails to take account of geologic conditions shown on the maps submitted with the application.

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It is recommended that the applicant be informed of the foregoing reasons for not approving his application. Also, he probably should be told that if he wishes to submit a modified proposal, it would be most helpful if his proposal were stated as completely and explicitly as the mine surveys and geologic maps of the property permit.

Ward C. Smith, Geologist
Charles Merriam, Geologist
U. S. Geological Survey

July 27, 1951

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
AUG 13 1951

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
AUG 13 1951

1-1027
(April 1946)

UNITED STATES
DEPARTMENT OF THE INTERIOR

File

AGENCY Bureau of Mines

PBS TELETYPE

Originator:
Ext.: 472 Room: 1006

Appro.: Bureau of Mines
Date: August 6, 1951
Time: 3:35 p.m.
No.:
To: T. P. Billings, Chief, Lead-Zinc Branch, DMA, Interior Building, Washington, D. C.
Subject:

Reurtel August 6. Geological Survey informs me that report on Lead King Mines DMA-1678X will be completed tonight. This office will mail report and docket to you tomorrow.

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

CONFIRMATION

Authorized:
H. C. Miller

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
AUG 13 1951

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

AUG 13 1951

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

162 WA SFS /I-BOM/

SAN FRANCISCO 8-6-51 251P

T P BILLINGS, CHF LEAD-ZINC BR

DMA, INTERIOR BLDG, WA

REURTEL AUGUST 6. GEOLOGICAL SURVEY INFORMS ME THAT REPORT ON LEAD KING MINES DMA-1678X WILL BE COMPLETED TONIGHT. THIS OFFICE WILL MAIL REPORT AND DOCKET TO YOU TOMORROW

H C MILLER, EXEC OFCR DMA FLD TEAM REGN III

6 DMA-1678X

JC 252P

AUG 7 1951

AUG 7 9 12 AM '51

BUREAU OF MINES
MAIL ROOM
WASHINGTON, D. C.

CLASS OF SERVICE

This is a full-rate Telegram or Cablegram unless its deferred character is indicated by a suitable symbol above or preceding the address.

WESTERN UNION

1201

W. P. MARSHALL, PRESIDENT

1951 AUG 2 AM 2 03

SYMBOLS

DL=Day Letter

NL=Night Letter

LT=Int'l Letter Telegram

VLT=Int'l Victory Ltr.

The filing time shown in the date line on telegrams and day letters is STANDARD TIME at point of origin. Time of receipt is STANDARD TIME at point of destination

Room 3618

PA084

P CDU025 26 PD INTL FR=ZP PARIS VIA WUCABLES 2 0100A=

T P BILLINGS CHIEF LEAD ZINC BRANCH=

DEFENSE MINERALS ADMINISTRATION INTERIOR BLDG

WASHNDC=

THANKS CABLE WHAT IS APPROXIMATE DATE YOUR DECISION CERRO GORDON=

W C RDGG

W C RDGG

THE COMPANY WILL APPRECIATE SUGGESTIONS FROM ITS PATRONS CONCERNING ITS SERVICE

AUG 2 1951

5

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
AUG 2 1951
8:15 a.m.
LANDON F. STROBEL
Executive Secretary

1951 AUG 2 12

AUG 2 7 52 AM '51
BUREAU OF MINES
MAIL ROOM
WASHINGTON, D. C.

6/5/51

Defense Minerals Administration

Review of Application for Exploration Assistance

Docket No. 1678X

Commodity Lead, zinc

Total Amount $100,780

Govt. Participation 50%

1. Name and Address of Applicant Lead King Mines, Inc. P. O. Box 1440, Beverly Hills, California

2. Location of Property 8 miles east of Keeler, California

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

If not, application will be rejected.

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

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

a) Good

b) Poor

c) None

d) Don't know—needs field examination X

e) Is there an alternative and favorable project?
(If so, attach an explanation)

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

6. If applicant is a lessee, is a copy of the lease attached? Not applicable

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

*question numbers are those of MF-103

7. Are subordination agreements necessary? **Not applicable**

a) MF-201? _____

b) MF-202 _____

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

a) Available manpower **Data not given. 8 men now employed**

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

c) Accessibility (question 12)* **Good roads**

d) Water (question 13)* **Mine water available for drilling**

e) Power (question 13)* **California Electric Power Co - $300.00 per month**

Is a field check needed on any of these points? _____

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

Is a field check needed on this point? **Yes**

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

a) Is the project adequately described? **No**

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

b) Is there an adequate map or sketch of the proposed work? **Maps have been submitted but proposed work is not clearly described.**

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

If not, what part of it is? **To be determined by field examination**

Is this part a worthwhile exploration project?_____

d) Are the cost estimates detailed? No

Can they be summarized, as on page 2 of Procedural Instruction 5-A, from the available data? No If so, attach a draft.

e) Are the cost estimates reasonable?_____

f) Should more information be requested from applicant? No

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

11. Exhibit B (question 23-d)*

a) Is it applicable? Not applicable

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

c) Is a field check needed? No

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

a) Is it applicable? Yes

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

c) Are rents and charges reasonable? Needs clarification

d) Is a field check needed? Yes

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

a) Are there sufficient data? Yes

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

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

d) Are the proposed wages and salaries reasonable? Seems excessive

e) Is a field check needed? Yes

14. Exhibit E (question 23-c)*

a) Is it applicable? Yes

b) Sufficient data? No

c) Reasonable?

d) Field check needed? Yes

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

(All exploration must be completed within two years)

16. If field examination is not needed, attach your recommendation.

17. If field examination is needed, do you have any special instructions for the field team not indicated by your answers to the foregoing question? This application should be referred to Ward Smith of the Geological Survey who is familiar with this operation. Exploration completed or being completed after two years has been unsuccessful. Therefore, there is considerable doubt that the proposal has merit.

Reviewed by: A. L. Brokaw GS

Date 7-10-51

97692

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

Refer to		
Answered		

DEPARTMENT OF INTERIOR
BUREAU OF MINES
REGION III
RECEIVED
JUL 1 6 1951
SAN FRANCISCO, CALIFORNIA

JUL 12 1951

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

Dear Sir:

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

Market No. 1678X

Commodity Lead-Zinc

Applicant Lead King Mines, Incorporated, P.O. Box 1440
Beverly Hills, Calif.

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

Very truly yours,

Tom Lyon
Tom Lyon, Chairman
Coordinating Committee

C. H. Johnson
For Bureau of Mines

Alex L. Roor
For Geological Survey

Attachments: Maps are mailed under separate cover

6/5/51

Defense Minerals Administration

Review of Application for Exploration Assistance

Docket No. 1678X

Commodity Lead, zinc

Total Amount $100,780

Govt. Participation 50%

1. Name and Address of Applicant Lead King Mines, Inc. P. O. Box 1440, Beverly Hills, California

2. Location of Property 8 miles east of Keeler, California

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

If not, application will be rejected.

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

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

a) Good

b) Poor

c) None

d) Don't know—needs field examination X

e) Is there an alternative and favorable project?
(If so, attach an explanation)

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

6. If applicant is a lessee, is a copy of the lease attached? Not applicable

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

*question numbers are those of MF-103

7. Are subordination agreements necessary? Not applicable

a) MF-201? _____

b) MF-202 _____

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

a) Available manpower Data not given. 8 men now employed

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

c) Accessibility (question 12)* Good roads

d) Water (question 13)* Mine water available for drilling

e) Power (question 13)* California Electric Power Co - $300.00 per momth

Is a field check needed on any of these points? _____

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

Is a field check needed on this point? Yes

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

a) Is the project adequately described? No

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

b) Is there an adequate map or sketch of the proposed work? Maps have been submitted but proposed work is not clearly described.

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

If not, what part of it is? To be determined by field examination

Is this part a worthwhile exploration project?_____

d) Are the cost estimates detailed? No

Can they be summarized, as on page 2 of Procedural Instruction 5-A, from the available data? No If so, attach a draft.

e) Are the cost estimates reasonable?_____

f) Should more information be requested from applicant? No

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

11. Exhibit B (question 23-d)*

a) Is it applicable? Not applicable

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

c) Is a field check needed? No

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

a) Is it applicable? Yes

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

c) Are rents and charges reasonable? Needs clarification

d) Is a field check needed? Yes

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

a) Are there sufficient data? Yes

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

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

d) Are the proposed wages and salaries reasonable? Seems excessive

e) Is a field check needed? Yes

14. Exhibit E (question 23-c)*

a) Is it applicable? Yes

b) Sufficient data? No

c) Reasonable?

d) Field check needed? Yes

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

(All exploration must be completed within two years)

16. If field examination is not needed, attach your recommendation.

17. If field examination is needed, do you have any special instructions for the field team not indicated by your answers to the foregoing question? Thid application should be referred to Ward Smith of the Geological Survey who is familiar with this operation. Exploration completed or being completed after two years has been unsuccessful. Therefore, there is considerable doubt that the proposal has merit.

Reviewed by: A. L. Brokaw GS

Date 7-10-51

97692

350

DEFENSE MINERALS ADMINISTRATION
SURNAME:

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

SALARIES AND EXPENSES DEFENSE PRODUCTION ACT DEPARTMENT OF INTERIOR
1420137 - 1952

Billings
O'Connor
(Form of 6)
McKnight

AUGUST 6, 1951

A.E.C.

MR. H. C. MILLER
U.S. DEPARTMENT OF INTERIOR
DEFENSE MINERALS ADMINISTRATION
1415 APPRAISERS BUILDING
SAN FRANCISCO, CALIFORNIA

ADVISE BY WIRE APPROXIMATE DATE YOU CAN SEND IN REPORT ON

LEAD KING MINES DMA-1678

8/8
cc

T. P. BILLINGS, CHIEF
LEAD-ZINC BRANCH
DEFENSE MINERALS ADMINISTRATION

TPBILLINGS:ks

cc: Reports & Records
Mr. Maye
Audits
Mote
McKnight
DMA Docket File
Moon

L

DEFENSE MINERALS ADMINISTRATION

FILE COPY
SURNAME:

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

TELEGRAM

SALARIES AND EXPENSES IMPREST FUNDS ACT DEPARTMENT OF INTERIOR 1952

Billings
O'Leary
Geo. Mc
McKnight

C A B L E G R A M

AUGUST 1 1952

MR W C RIGG
CONTINENTAL HOTEL
PARIS
FRANCE

REFUGABLE CERAMIC CONTRACT APPLICATION IS BEING INVESTIGATED BY FIELD TEAM

T P BILLINGS CHIEF
LEAD-ZINC BRANCH
DEFENSE MINERALS

TPBILLINGS:ks

cc: Reports & Records
Note
McKnight
Billings
Files

Moon
2 copies Mr. West Region IV
Mr. Maye
Audits

WN-7RM-CCC

Commercial Cables

Am. Herres
Dma-1678x

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and
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All America Cables and Radio

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WASHINGTON, D. C.

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OTTO HERRES DEFENSE MINERALS ADMINISTRATION

IMPERIAL BUILDINGS

WASHINGTONDC

APPRECIATE YOUR CABLING FAST RATE CONTINENTAL HOTEL PARIS

FRANCE STATUS APPLICATION LEAD KING MINES CERRO GORDO

THANKS

W C RIGG

JUL 31 1951

S

FILE COPY
SURNAME:

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

Brokaw
McKnight
Perras
O'Leary
(For Mote)
Lyon
Johnson

July 10, 1951

JUL 12 1951

Re: DMA-1678X

Lead King Mines, Incorporated
P. O. Box 1440
Beverly Hills, California

Gentlemen:

Your application (Docket DMA-1678X) for an exploration loan under the provisions of the Defense Production Act of 1950 has been reviewed by the Lead-Zinc Branch of the Defense Minerals Administration. Before final decision can be taken on your request, it will be necessary to obtain additional information on your property. Your application, therefore, has been referred to Mr. H. C. Miller, Executive Officer, 1012 Flood Building, 870 Market Street, San Francisco, California, with the request that the needed information be supplied to us.

Very truly yours,

Tom Lyon

Tom Lyon, Director
Supply Division

not stripped in R. R.

ALBrokaw:emp
7-10-51
Copies to: H. C. Miller, Region III (2)
Chief, Lead-Zinc Br.
E. T. McKnight 4204 GSA
R. H. Mote
L. F. Strobel
Directors r. file 4214 GSA
Br. r. file 4214 GSA
Files

FILE COPY
SURNAME:

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

June 21, 1951

Mr. W. C. Rigg
President
Lead King Mines, Inc.
P. O. Box 1440
Beverly Hills, California

Subject: DMA-1678X
Re: Exploration loan
Gerro Crodo Mines

My dear Mr. Rigg:

Receipt is acknowledged of your application and attachments of May 22, 1951 for an exploration loan under the Defense Production Act of 1950.

The application was assigned Docket Number DMA-1678X and was referred to Mr. Otto Herres, Chief, Lead-Zinc Branch on June 14, 1951.

In and future correspondence relating to your application, kindly refer to DMA-1678X.

Sincerely yours,

LANDON F. STROBEL

Landon F. Strobel
Executive Secretary

LFSTROBEL:Jeb
cc: Strobel-2
Files
Herres
Lyon

DMA-1678

MINE ADDRESS
P. O. BOX 27
LONE PINE, CALIF.

LEAD KING MINES
POST OFFICE BOX ~~XX~~ 1440
BEVERLY HILLS, CALIFORNIA

Dma - 1678 X

Hampshire House,
150 Central Park South,
New York, N. Y.
Tel-Circle 6-7700

May 28, 1951.

Mr. James Boyd,
Defense Minerals Administrator,
Interior Department Bldg.
Washington 25 D. C.

Dear Mr. Boyd,

Further to our exchanges with you and Mr. Herres, enclosed are the following enclosures in connection with loan application for exploration of the Cerro Gordo mines:

Your form MF-100 4 copies.

" " " 103 4 "

Copy of Professional Paper #110 Adolph Knopff.

Report of R. T. Walker.

Level maps of Cerro Gordo mine (9) R. T. Walker.

Profile map " " " " "

Surface Geological Map U. S. G. S. (colored)

Profile Limestone bedding (colored)

Photo of Cerro Gordo Mine.

Claims map " " "

Communications may be addressed to me at present to the above New York address.

Thanking you.

Very truly yours,
Lead King Mines.

W. C. Rigg
President.

WCR/R.
Registered. Enc.

JUN 14 1951

P.

Mr. Herres

MINE ADDRESS
P. O. BOX 27
LONE PINE, CALIF.

LEAD KING MINES
POST OFFICE BOX 1440
BEVERLY HILLS, CALIFORNIA

D.M.A. 1675

Hampshire House,
150 Central Park South,
New York, N. Y.
Tel-Circle 6-7700

Answered

May 28, 1951.

DEPARTMENT OF INTERIOR
BUREAU OF MINES
REGION III
RECEIVED
JUL 1 6 1951
SAN FRANCISCO, CALIFORNIA

Mr. Otto Herres, Chief
Lead Zinc Branch,
Defense Minerals Administration,
Washington 25, D. C.

Dear Mr. Herres,

As advised by you today in our telephone conversation, have mailed today forms MF-100 and 103 together with maps and reports addressed to the administrator Mr. Boyd. These have been mailed in a map roll, so hope it will not be left in a corner. Many thanks for your co-operation. The New York address will reach me for thectime being.

It happened!!!

Cordially yours,
Lead King Mines.

M. C. King
President.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAY 29 1951
LANDON F. STROBEL
Executive Secretary

WCR/R.

MAY 29 1951

9

Form MF-103
(April 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

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

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

DO NOT FILL IN THIS BLOCK

Docket No. DMA-1678X

Date received 6/1/51

Participation

LEAD KING MINES INC.
P.O. BOX 1440,
BEVERLY HILLS, CALIF.

Name and address of applicant

Date May 22, 1951.

FILL IN THIS BLOCK

Date of application May 22, 1951.

Estimated cost $100,780.00

Mineral or metal LEAD SILVER ZINC

Percentage of Government participation 50%

Location of mine 8 miles east of Keeler, California.

Date of filing MF-100 May 22, 1951.

DMA Docket Number, if available

INSTRUCTIONS

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

THE APPLICANT

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

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

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

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

16—64067-1

THE PROPERTY

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

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

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

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

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

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

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

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

*16. History:

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

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

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

*17. Production:

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

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

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

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

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

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

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

THE EXPLORATION

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

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

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

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

THE REQUIREMENTS AND COSTS

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

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

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

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

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

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

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

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

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

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

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

CERTIFICATION

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

LEAD KING MINES INC.
(Name of company)

By _____
(Signature of authorized official)

May 22, 1951.
(Date)

President.
(Title)

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

*Same as footnote on page 1.

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

Form MF-103
April 1951.

U. S. Department of the Interior

Defense Minerals Administration

Application of LEAD KING MINES

1. Corporation.

2. Inapplicable.

3. W. C. Rigg, P.O. Box 1440, Beverly Hills, Calif.
President & Director.
Franklin Berwin, 500 Fifth Ave. New York, N. Y.
Vice President.
R. W. Adams, P.O. Box 27, Lone Pine, Calif.
Secretary-Treasurer & Manager.Director.
Wm. Stix Wasserman, 52 Wall St. New York, N. Y.
Director.
Chas. Allen Jr. 30 Broad St. New York, N. Y.
R. E. Defoe, 210 West Seventh St. Los Angeles, Calif.
Gerard Manasse, 60 Wall St. New York, N. Y.

4. President-W. C. Rigg- Owned and operated several small mines in New Mexico, Chihuahua and Sonora, Mexico, and was President of the Arizona Molybdenum Corporation, Copper Creek, Arizona, during years 1930-1940. Richmond Tungsten Mines, Rose Creek Tungsten Mines and Porvenir Tungsten Mines, Winnemucca, Nevada 1942-1944.
Manager-R. W. Adams- With above.

5. Owner.

6. None.

7. Inapplicable.

8. Attached.

9. $50,000.00. Yes.

10.a 43 Patented mining claims. Cerro Gordo Mines.

b Sections 1-2-11-12- Township 16S Range 38E Mt. Diablo Meridian. Same.

11. Cerro Gordo Mines.

12. 8 miles to railroad. Town of Keeler, Calif. Good mountain road.

13. On 700' level of mine sufficient water for drilling all year. California Electric Power Company. $300.00 monthly.

14. Shaft house 32'x54'
Hoist & Compressor room 32'x60'
Warehouse 34'x40'
Blacksmith shop 24'x48'
Recreation hall 24'x60'
Ore house & tramway terminal 44'x64'
Bunk house 8 rooms
" " 8 "
Staff house 10 rooms
Cook house 5 rooms
Residence 4 rooms

15. Hauled or trammed 8 miles. Railroad to Selby, Calif. or to Anaconda Copper Co. Utah.

Form MF-103 Application of LEAD KING MINES.

16.a Principal production was during years 1868-1875, 1911-1918, 1931-1934. Approximately $12,000,000.00 worth of Lead, Silver and zinc was mined and sold during these years. Grade of ore produced has been consistently high, averaging from 41-43% Lead, 0.7 oz. Silver to each percent of lead. Zinc content 2% in lead ore. When Zinc orebodies were encountered average 35%. Orebodies have either faulted or pinched. Present exploration project covered item 22.

b Darwin operation of Anaconda Copper Co. 26 miles south of Cerro Gordo. Approximate production $10,000,000.00. Several smaller mines.

c Professional paper #110 by Adolph Knopff and report of R. T. Walker

17. Inapplicable.

18. Inapplicable.

19. None.

20. Lead, Silver and Zinc. Limestone replacement chimneys.

21. Estimated time to complete program is ten months. Run drift 1100' six crosscuts 200' each provision for 600' raises.

22. Present program is based on geology that the San Felipe fault is main route of mineralization. Three orebodies were along this structure: Union or China chmney, Diabase Dike orebody and the San Felipe vein orebody. The 550' level is at the top of a tight fold in the lime bedding. Above this the beds are normal to the tilt of the country permitting formation of orebodies above this level. Present plan of exploration calls for drifting 1100' SW along the San Felipe fault with six crosscuts at 200' intervals 200' in length with raises contemplated wherever leachings or values are encountered.

23.a 2 miners, 2 muckers @ 20.00-25.00 day (contract) 2 hoistmen, 1 trucker @ 2.00 hour 1 cook 200.00 month.

b Foreman $850.00

c $1,900.00

d None.

e

2 DA30 Leyners (automatic)	$1,990.00
1 Dodge Power Wagon	2,900.00
1 Blower, motor and ventube	1,500.00
	$6,390.00

f None.

g Operators cost $27,606.61

h $23,190.00

i $3,000.00

24. 10 months duration. 2300' drifting 9' daily. 600' raises 14' daily.

Form MF-103
April 1951

U. S. Department of the Interior

Defense Minerals Administration.

Application of LEAD KING MINES.

Item 8. Balance Sheet as of March 31, 1951.

ASSETS.

Current Asset:		
Cash in Bank and on hand.		$ 4,702.39
Fixed Assets:		
Autos & Trucks.	$ 4,013.26	
Machinery & Equipment.	27,606.61	
Properties & Buildings.	56,500.00	
Total Fixed Assets.		88,119.87
Exploration & Development.		31,568.43
Total.		$124,390.69

LIABILITIES.

Current Liabilities:	
Accounts Payable.	$ 3,699.89
Loans from officers.	18,848.05
Reserve-Depreciation Machinery & Equipment.	1,842.75
Capital Stock Issued & Outstanding. (10,000 shares no par value)	100,000.00
Total.	$124,390.69

EXPLORATION & DEVELOPMENT.

Administrative expense.	$ 2,248.39
Auto & Truck expense.	2,539.21
Depreciation-Machinery & Equipment.	1,842.75
Electric Power.	818.83
Engineering.	708.15
Insurance.	408.95
Labor.	15,574.76
Mine Supplies.	2,499.59
Organization expense.	2,480.61
Repairs-Machinery & Equipment.	337.25
Telephone & Telegraph.	880.94
Travelling expense.	1,229.00
Total.	$31,568.43

Form MF-103
(April 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

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

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

DO NOT FILL IN THIS BLOCK

Docket No. dma-1678 X

Date received 6/1/51

Participation

LEAD KING MINES INC.
P.O. BOX 1440,
BEVERLY HILLS, CALIF.

Name and address of applicant

Date May 22, 1951.

FILL IN THIS BLOCK

Date of application May 22, 1951.

Estimated cost $100,780,00

Mineral or metal LEAD SILVER ZINC

Percentage of Government participation 50%

Location of mine 8 miles east of Keeler, California.

Date of filing MF-100 May 22, 1951.

DMA Docket Number, if available

INSTRUCTIONS

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

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

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16—64067-1

THE PROPERTY

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

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

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

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

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

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

*16. History:

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

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

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

*17. Production:

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

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

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

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

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

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

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

THE EXPLORATION

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

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

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

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

THE REQUIREMENTS AND COSTS

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

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

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

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

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

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

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

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

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

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

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

CERTIFICATION

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

LEAD KING MINES INC.
(Name of company)

By _____
(Signature of authorized official)

May 22, 1951.
(Date)

President.
(Title)

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

*Same as footnote on page 1.

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

Form MF-103
April 1951.

U. S. Department of the Interior

Defense Minerals Administration

Application of LEAD KING MINES

1. Corporation.

2. Inapplicable.

3. W. C. Rigg, P.O. Box 1440, Beverly Hills, Calif.
President & Director.
Franklin Berwin, 500 Fifth Ave. New York, N. Y.
Vice President.
R. W. Adams, P.O. Box 27, Lone Pine, Calif.
Secretary-Treasurer & Manager.Director.
Wm. Stix Wasserman, 52 Wall St. New York, N. Y.
Director.
Chas. Allen Jr. 30 Broad St. New York, N. Y.
R. E. Defoe, 210 West Seventh St. Los Angeles, Calif.
Gerard Manasse, 60 Wall St. New York, N. Y.

4. President-W. C. Rigg- Owned and operated several small mines in New Mexico, Chihuahua and Sonora, Mexico, and was President of the Arizona Molybdenum Corporation, Copper Creek, Arizona, during years 1930-1940. Richmond Tungsten Mines, Rose Creek Tungsten Mines and Porvenir Tungsten Mines, Winnemucca, Nevada 1942-1944.
Manager-R. W. Adams- With above.

5. Owner.

6. None.

7. Inapplicable.

8. Attached.

9. $50,000.00. Yes.

10.a 43 Patented mining claims. Cerro Gordo Mines.

b Sections 1-2-11-12- Township 16S Range 38E Mt. Diablo Meridian.
Same. Inyo County

11. Cerro Gordo Mines.

12. 8 miles to railroad. Town of Keeler, Calif. Good mountain road.

13. On 700' level of mine sufficient water for drilling all year. California Electric Power Company. $300.00 monthly.

14. Shaft house 32'x54'
Hoist & Compressor room 32'x60'
Warehouse 34'x40'
Blacksmith shop 24'x48'
Recreation hall 24'x60'
Ore house & tramway terminal 44'x64'
Bunk house 8 rooms
" " 8 "
Staff house 10 rooms
Cook house 5 rooms
Residence 4 rooms

15. Hauled or trammed 8 miles. Railroad to Selby, Calif. or to Anaconda Copper Co. Utah.

Form MF-103 Application of LEAD KING MINES.

16.a Principal production was during years 1868-1875, 1911-1918, 1931-1934. Approximately $12,000,000.00 worth of Lead, Silver and zinc was mined and sold during these years. Grade of ore produced has been consistently high, averaging from 41-43% Lead, 0.7 oz. Silver to each percent of lead. Zinc content 2% in lead ore. When Zinc orebodies were encountered average 35%. Orebodies have either faulted or pinched. Present exploration project covered item 22.

b Darwin operation of Anaconda Copper Co. 26 miles south of Cerro Gordo. Approximate production $10,000,000.00. Several smaller mines.

c Professional paper #110 by Adolph Knopff and report of R. T. Walker

17. Inapplicable.

18. Inapplicable.

19. None.

20. Lead, Silver and Zinc. Limestone replacement chimneys.

21. Estimated time to complete program is ten months. Run drift 1100' six crosscuts 200' each, provision for 600' raises.

22. Present program is based on geology that the San Felipe fault is main route of mineralization. Three orebodies were along this structure: Union or China chmney, Diabase Dike orebody and the San Felipe vein orebody. The 550' level is at the top of a tight fold in the lime bedding. Above this the beds are normal to the tilt of the country permitting formation of orebodies above this level. Present plan of exploration calls for drifting 1100' S.E. along the San Felipe fault with six crosscuts at 200' intervals 200' in length with raises contemplated wherever leachings or values are encountered.

23.a 2 miners, 2 muckers @ 20.00-25.00 day (contract) 2 hoistmen, 1 trucker @ 2.00 hour 1 cook 200.00 month.

b Foreman $850.00

c $1,900.00

d None.

e

2 DA30 Leyners (automatic)	$1,990.00
1 Dodge Power Wagon	2,900.00
1 Blower, motor and ventube	1,500.00
	$6,390.00

f None.

g Operators cost $27,606.61

h $23,190.00

i $3,000.00

24. 10 months duration. 2300' drifting 9' daily. 600' raises 14' daily.

Form MF-103
April 1951

U. S. Department of the Interior

Defense Minerals Administration.

Application of LEAD KING MINES.

Item 8. Balance Sheet as of March 31, 1951.

ASSETS.

Current Asset:		
Cash in Bank and on hand.		$ 4,702.39
Fixed Assets:		
Autos & Trucks.	$ 4,013.26	
Machinery & Equipment.	27,606.61	
Properties & Buildings.	56,500.00	
Total Fixed Assets.		88,119.87
Exploration & Development.		31,568.43
Total.		$124,390.69

LIABILITIES.

Current Liabilities:	
Accounts Payable.	$ 3,699.89
Loans from officers.	18,848.05
Reserve-Depreciation Machinery & Equipment.	1,842.75
Capital Stock Issued & Outstanding. (10,000 shares no par value)	100,000.00
Total.	$124,390.69

EXPLORATION & DEVELOPMENT.

Administrative expense.	$ 2,248.39
Auto & Truck expense.	2,539.21
Depreciation-Machinery & Equipment.	1,842.75
Electric Power.	818.83
Engineering.	708.15
Insurance.	408.95
Labor.	15,574.76
Mine Supplies.	2,499.59
Organization expense.	2,480.61
Repairs-Machinery & Equipment.	337.25
Telephone & Telegraph.	880.94
Travelling expense.	1,229.00
Total.	$31,568.43

Form MF-100
(March 1951)

U. D. ARTMENT 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. Dma-1678X

Date received 6/1/51

LEAD KING MINES INC.
P.O. BOX 1440,
Beverly Hills, Calif.

DEPARTMENT OF INTERIOR
BUREAU OF MINES
REGION III
RECEIVED
JUL 1 6 1951
SAN FRANCISCO, CALIFORNIA

Name and address of applicant

Date May 22, 1951.

INSTRUCTIONS

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

GENERAL TECHNICAL DATA

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

1. Materials produced:
   (*a*) What are the chief mine, mill, or smelter products?
   (*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)
W. C. Rigg "D" P.O.Box 1440 Bev. Hills	President	None	100,000	4350		None	
Franklin Berwin 500 Fifth Ave. N.Y.C.	Vice Pres.	"	500,000			"	
R. W. Adams, Lone Pine "D"	Sec-Treas. Manager	$6000.				"	
Wm.Stix Wasserman"D" 52 Wall St. N.Y.C.		None	plus 500,000	1166		"	
Chas. Allen, Jr. 30 Broad St. N.Y.C.		"	1,plus 000,000	950		"	
R.E.Defoe 210W7th.St. Los Angeles		"	100,000	360		"	
Gerard Manasse 60 Wall St. N.Y.C.		"	plus 500,000	250		"	
	Total	$6,000.	x x x x x	7076		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	$100,000.	$100,000.	$ N.P.V.	10,000	None.
Preferred stock	$ None.	$	$		

*Indicate period covered.

10. Production:

Item	Kind of Product (a)	1948 Total (b)	1949 Total (c)	1950 Total (d)	Present Average Monthly (e)
1. Quantity of product mined or quarried (Short, long, metric tons; barrels; pounds; etc.)					
2. Quantity of product processed (specify unit of measure and type of process)					
3. Quantity and grade of product sold or shipped (specify units of measure)					

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

12. Ore or Mineral Reserves:

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

Form MF-100
March 1951.

U. S. Department of the Interior

Defense Minerals Administration

Application of LEAD KING MINES INC.

1.a Lead-Silver-Zinc.

2.b 60,000'drifts and crosscuts. 1,850' shafts.

c 2,200' adits.

d 5 surface openings-stopes.

3.a 8 miles from town of Keeler, Calif.

b Cerro Gordo mining district.

c Township 16S Sections 1-2-11-12 Range 38E Mt. Diablo Meridian.

d Inyo, California.

4.a Exploration.

b Owner.

5. Principal production was during years 1868-1875, 1911-1918, 1931-1934.

6. President-W. C. Rigg- Owned and operated several small mines in New Mexico, Chihuahua and Sonora, Mexico, and was President of the Arizona Molybdenum Corporation, Copper Creek, Arizona, during years 1930-1940. Richmond Tungsten Mines, Rose Creek Tungsten Mines and Porvenir Tungsten Mines, Winnemucca, Nevada 1942-1944.
Manager-R. W. Adams- With above.

7.a Principal production approximated $12,000,000.00 worth of Lead, Silver and Zinc. Lead content averaged 41-43% Silver 28 oz. and Zinc 2%. When Zinc orebodies were encountered they averaged 35%.

b Darwin operation of Anaconda Copper Company, 26 miles south of Cerro Gordo. Approximate production $10,000,000.00. Several smaller mines.

c Professional paper #110 by Adolph Knopff and report of R. T. Walker enclosed.

Present exploration plan is based on geology that the San Felipe fault is main route of mineralization. Three orebodies were along this structure: Union or China chimney, Diabase Dike orebody and the San Felipe vein orebody. The 550' level is at the top of a tight fold in the lime bedding. Above this the beds are normal to the tilt of the country permitting formation of orebodies above this level. Present plan of exploration calls for drifting 1100' SW along the San Felipe fault, with six crosscuts at 200' intervals 200' in length, with raises contemplated wherever leachings or values are encountered.

12. The Cerro Gordo orebodies are mainly limestone replacement chimneys. See Professional Paper #110 by Adolph Knopff and report of R. T. Walker enclosed.

13. 8 miles from Cerro Gordo mine to town of Keeler, Calif. Good mountain road. Also equiped with aerial tramway to Southern Pacific Railway at Keeler.

14. Mine makes sufficient water on 700' level to operate machine drills.

15. Electric power. California Power Company. $300.00 monthly.

16. 2 miners, 2 muckers, 2 trammers, 2 hoistmen, 1 trucker, 1 cook, 1 foreman.

17. Hoist Joshua Hendy #100 standard geared.1,400' of 1" cable.
100 H.P. motor General Electric. Controller box and grids.
Electric control switchboard complete with amp and watt meters.
1000 cu. ft. Imperial type 10B compressor, Controller box and fittings. Ingersoll Rand.
150 H.P. motor General Electric.
750 cu. ft. 2 stage compressor Ingersoll Rand. Controller box and fittings.
75 H.P. motor. Allis Chalmers.
22,000 ft. Leschen aerial tramway, towers, 2 terminals, cables, buckets and middle terminal station.
Diamond drill Sullivan HS-15 complete.
Eimco mucking machine.
Chevrolet 4 wheel drive truck.
Mine cars, drills, pipe lines, hoses, water tanks and miscellaneous mine and cook house equipment.

Buildings:	Shaft house 32'x54'	Condition	good.
	Hoist and compressor room 32'x60'	"	"
	Warehouse 34'x40'	"	"
	Blacksmith and machine shop 24'x48'	"	"
	Recreation hall 24'x60'	"	"
	Miners change room 16x34'	"	"
	Ore house and tramway terminal 44'x64'	"	"
	Bunk house 8 rooms	"	"
	" " 8 "	"	fair
	Staff house 10 rooms	"	good
	Cook house 5 rooms	"	"
	Residence 4 rooms	"	"

(*b*) If deposit is other than pla

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

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

TOTAL ORE OR MINERAL RESERVES

Ore or Mineral Reserve	Estimated Tons (a)	Metal or Mineral Content Per Ton (Grade) (b)	Gross Value Per Ton (c)	Recoverable Unit Value Per Ton (d)	Estimated Cost of Production Per Ton (e)
Measured (proved)					
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 _____
(Signature of authorized official)

May 22, 1951.
(Date)

President.
(Title)

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

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

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. Dma-1628X

Date received 6/1/51

LEAD KING MINES INC.
P.O. BOX 1440,
Beverly Hills, Calif.

Name and address of applicant

Date May 22, 1951.

INSTRUCTIONS

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

GENERAL TECHNICAL DATA

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

1. Materials produced:
   (*a*) What are the chief mine, mill, or smelter products?
   (*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)
W. C. Rigg "D" P.O.Box 1440 Bev. Hills	President	None	100,000	4350		None	
Franklin Borwin 500 Fifth Ave. N.Y.C. "D"	Vice Pres. Sec-Treas.	"	500,000			"	$500/month
R. W. Adams, Lone Pine	Manager	$6000.				"	cf
Wm. Stix Wasserman "D" 52 Wall St. N.Y.C.		None	plus 500,000	1166		"	$850/month
Chas. Allen, Jr. 30 Broad St. N.Y.C.		"	plus 1,000,000	950		"	Form 103 Item 8
R.E.Defoe 210W7th.St. Los Angeles		"	100,000	360		"	
Gerard Manese 60 Wall St. N.Y.C.		"	plus 500,000	250		"	
	Total	$6,000.	x x x x x	7076		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	$100,000.	$100,000.	$ N.P.V.	10,000	None.
Preferred stock	$ None.	$	$		

*Indicate period covered.

10. Production:

Item	Kind of Product (a)	1948 Total (b)	1949 Total (c)	1950 Total (d)	Present Average Monthly (e)
1. Quantity of product mined or quarried (Short, long, metric tons; barrels; pounds; etc.)					
2. Quantity of product processed (specify unit of measure and type of process)					
3. Quantity and grade of product sold or shipped (specify units of measure)					

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

12. Ore or Mineral Reserves:

(a) Describe the ore or mineral dep[illegible] briefly. Accompany the application by any [illegible]ilable report on the geology and ore reserves.

Form MF-100
March 1951.

U. S. Department of the Interior

Defense Minerals Administration

Application of LEAD KING MINES INC.

1.a Lead-Silver-Zinc.

2.b 60,000'drifts and crosscuts. 1,850' shafts.

c 2,200' adits.

d 5 surface openings-stopes.

3.a 8 miles from town of Keeler, Calif.

b Cerro Gordo mining district.

c Township 16S Sections 1-2-11-12 Range 38E Mt. Diablo Meridian.

d Inyo, California.

4.a Exploration.

b Owner.

5. Principal production was during years 1868-1875, 1911-1918, 1931-1934.

6. President-W. C. Rigg- Owned and operated several small mines in New Mexico, Chihuahua and Sonora, Mexico, and was President of the Arizona Molybdenum Corporation, Copper Creek, Arizona, during years 1930-1940. Richmond Tungsten Mines, Rose Creek Tungsten Mines and Porvenir Tungsten Mines, Winnemucca, Nevada 1942-1944.
Manager-R. W. Adams- With above.

7.a Principal production approximated $12,000,000.00 worth of Lead, Silver and Zinc. Lead content averaged 41-43% Silver 28 oz. and Zinc 2%. When Zinc orebodies were encountered they averaged 35%.

b Darwin operation of Anaconda Copper Company, 26 miles south of Cerro Gordo. Approximate production $10,000,000.00. Several smaller mines.

c Professional paper #110 by Adolph Knopff and report of R. T. Walker enclosed.

Present exploration plan is based on geology that the San Felipe fault is main route of mineralization. Three orebodies were along this structure: Union or China chimney, Diabase Dike orebody and the San Felipe vein orebody. The 550' level is at the top of a tight fold in the lime bedding. Above this [illegible] rmal to the tilt of the [illegible] above

Form MF-100 Application of LEAD KING MINES INC.

13. 8 miles from Cerro Gordo mine to town of Keeler, Calif. Good mountain road. Also equiped with aerial tramway to Southern Pacific Railway at Keeler.

14. Mine makes sufficient water on 700' level to operate machine drills.

15. Electric power. California Power Company. $300.00 monthly.

16. 2 miners, 2 muckers, 2 trammers, 2 hoistmen, 1 trucker, 1 cook, 1 foreman.

17. Hoist Joshua Hendy #100 standard geared.1,400' of 1" cable.
100 H.P. motor General Electric. Controller box and grids.
Electric control switchboard complete with amp and watt meters.
1000 cu. ft. Imperial type 10B compressor, Controller box and fittings. Ingersoll Rand.
150 H.P. motor General Electric.
750 cu. ft. 2 stage compressor Ingersoll Rand. Controller box and fittings.
75 H.P. motor. Allis Chalmers.
22,000 ft. Leschen aerial tramway, towers, 2 terminals, cables, 1 buckets and middle terminal station.
Diamond drill Sullivan HS-15 complete.
Eimco mucking machine.
Chevrolet 4 wheel drive truck.
Mine cars, drills, pipe lines, hoses, water tanks and miscellaneous mine and cook house equipment.

Buildings:	Shaft house 32'x54'	Condition	good.
	Hoist and compressor room 32'x60'	"	"
	Warehouse 34'x40'	"	"
	Blacksmith and machine shop 24'x48'	"	"
	Recreation hall 24'x60'	"	"
	Miners change room 16x34'	"	"
	Ore house and tramway terminal 44'x64'	"	"
	Bunk house 8 rooms	"	"
	" " 8 "	"	fair
	Staff house 10 rooms	"	good
	Cook house 5 rooms	"	"
	Residence 4 rooms	"	"

If deposit is other than placer:

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

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

TOTAL ORE OR MINERAL RESERVES

Ore or Mineral Reserve	Estimated Tons (a)	Metal or Mineral Content Per Ton (Grade) (b)	Gross Value Per Ton (c)	Recoverable Unit Value Per Ton (d)	Estimated Cost of Production Per Ton (e)
Measured (proved)					
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 _____
(Signature of authorized official)

May 22, 1951
(Date)

President
(Title)

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

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

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. Dma-1678X

Date received 6/1/51

LEAD KING MINES INC.
P.O. BOX 1440,
Beverly Hills, Calif.

Name and address of applicant

Date May 22, 1951.

INSTRUCTIONS

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

GENERAL TECHNICAL DATA

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

1. Materials produced:
   (*a*) What are the chief mine, mill, or smelter products?
   (*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)
W. C. Rigg "D" P.O.Box 1440 Bev. Hills	President	None	100,000	4350		None	
Franklin Berwin 500 Fifth Ave. N.Y.C.	Vice Pres.	"	500,000			"	
R. W. Adams, Lone Pine "D"	Sec-Treas. Manager	$6000.				"	
Wm.Stix Wasserman"D" 52 Wall St. N.Y.C.		None	plus 500,000	1166		"	
Chas. Allen, Jr. 30 Broad St. N.Y.C.		"	plus 1,000,000	950		"	
R.E.Defoe 210W7th.St. Los Angeles		"	100,000	360		"	
Gerard Manasse 60 Wall St. N.Y.C.		"	plus 500,000	250		"	
	Total	$6,000.	x x x x x	7076		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	$100,000.	$90,000.	$ N.P.V.	10,000	None.
Preferred stock	$ None.	$	$		

*Indicate period covered.

10. Production:

Item	Kind of Product (a)	1948 Total (b)	1949 Total (c)	1950 Total (d)	Present Average Monthly (e)
1. Quantity of product mined or quarried (Short, long, metric tons; barrels; pounds; etc.)					
2. Quantity of product processed (specify unit of measure and type of process)					
3. Quantity and grade of product sold or shipped (specify units of measure)					

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

12. Ore or Mineral Reserves:

(a) Describe the ore or mineral de[illegible] briefly. Accompany the application by any [illegible]ilable report on the geology and ore reserves.

Form MF-100
March 1951.

U. S. Department of the Interior

Defense Minerals Administration

Application of LEAD KING MINES INC.

1.a Lead-Silver-Zinc.

2.b 60,000'drifts and crosscuts. 1,850' shafts.

c 2,200' adits.

d 5 surface openings-stopes.

3.a 8 miles from town of Keeler, Calif.

b Cerro Gordo mining district.

c Township 16S Sections 1-2-11-12 Range 38E Mt. Diablo Meridian.

d Inyo, California.

4.a Exploration.

b Owner.

5. Principal production was during years 1868-1875, 1911-1918, 1931-1934.

6. President-W. C. Rigg- Owned and operated several small mines in New Mexico, Chihuahua and Sonora, Mexico, and was President of the Arizona Molybdenum Corporation, Copper Creek, Arizona, during years 1930-1940. Richmond Tungsten Mines, Rose Creek Tungsten Mines and Porvenir Tungsten Mines, Winnemucca, Nevada 1942-1944.
Manager-R. W. Adams- With above.

7.a Principal production approximated $12,000,000.00 worth of Lead, Silver and Zinc. Lead content averaged 41-43% Silver 28 oz. and Zinc 2%. When Zinc orebodies were encountered they averaged 35%.

b Darwin operation of Anaconda Copper Company, 26 miles south of Cerro Gordo. Approximate production $10,000,000.00. Several smaller mines.

c Professional paper #110 by Adolph Knopff and report of R. T. Walker enclosed.

Present exploration plan is based on geology that the San Felipe fault is main route of mineralization. Three orebodies were along this structure: Union or China chimney, Diabase Dike orebody and the San Felipe vein orebody. The 550' level is at the top of a tight fold in the lime bedding. Above this the beds are normal to the tilt of the country permitting formation of orebodies above this level. Present plan of exploration calls for drifting 1100' SW along the San Felipe fault, with six crosscuts at 200' intervals 200' in length, with raises contemplated wherever leachings or values are encountered.

12. The Cerro Gordo orebodies are mainly limestone replacement chimneys. See Professional Paper #110 by Adolph Knopff and report of R. T. Walker enclosed.

13. 8 miles from Cerro Gordo mine to town of Keeler, Calif. Good mountain road. Also equiped with aerial tramway to Southern Pacific Railway at Keeler.

14. Mine makes sufficient water on 700' level to operate machine drills.

15. Electric power. California Power Company. $300.00 monthly.

16. 2 miners, 2 muckers, 2 trammers, 2 hoistmen, 1 trucker, 1 cook, 1 foreman.

17. Hoist Joshua Hendy #100 standard geared.1,400' of 1" cable.
100 H.P. motor General Electric. Controller box and grids.
Electric control switchboard complete with amp and watt meters.
1000 cu. ft. Imperial type 10B compressor, Controller box and fittings. Ingersoll Rand.
150 H.P. motor General Electric.
750 cu. ft. 2 stage compressor Ingersoll Rand. Controller box and fittings.
75 H.P. motor. Allis Chalmers.
22,000 ft. Leschen aerial tramway, towers, 2 terminals, cables, buckets and middle terminal station.
Diamond drill Sullivan HS-15 complete.
Eimco mucking machine.
Chevrolet 4 wheel drive truck.
Mine cars, drills, pipe lines, hoses, water tanks and miscellaneous mine and cook house equipment.

Buildings:	Shaft house 32'x54'	Condition	good.
	Hoist and compressor room 32'x60'	"	"
	Warehouse 34'x40'	"	"
	Blacksmith and machine shop 24'x48'	"	"
	Recreation hall 24'x60'	"	"
	Miners change room 16x34'	"	"
	Ore house and tramway terminal 44'x64'	"	"
	Bunk house 8 rooms	"	"
	" " 8 "	"	fair
	Staff house 10 rooms	"	good
	Cook house 5 rooms	"	"
	Residence 4 rooms	"	"

Form MF-103
(April 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

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

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

DO NOT FILL IN THIS BLOCK

Docket No. dma. 1678X

Date received 6/1/51

Participation

LEAD KING MINES INC.
P.O. BOX 1440,
BEVERLY HILLS, CALIF.

Name and address of applicant

Date May 22, 1951.

FILL IN THIS BLOCK

Date of application May 22, 1951.

Estimated cost $100,780.00

Mineral or metal LEAD SILVER ZINC

Percentage of Government participation 50%

Location of mine 8 miles east of Keeler, California.

Date of filing MF-100 May 22, 1951.

DMA Docket Number, if available

INSTRUCTIONS

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

THE APPLICANT

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

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

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

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

THE PROPERTY

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

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

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

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

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

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

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

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

*16. History:

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

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

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

*17. Production:

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

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

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

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

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

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

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

THE EXPLORATION

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

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

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

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

THE REQUIREMENTS AND COSTS

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

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

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

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

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

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

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

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

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

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

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

CERTIFICATION

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

LEAD KING MINES INC. (Name of company) By _____ (Signature of authorized official)

May 22, 1951. (Date) President. (Title)

e 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 nited States as to any matter within its jurisdiction.

as footnote on page 1.

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

Form MF-103
April 1951.

U. S. Department of the Interior

Defense Minerals Administration

Application of LEAD KING MINES

1. Corporation.

2. Inapplicable.

3. W. C. Rigg, P.O. Box 1440, Beverly Hills, Calif.
President & Director.
Franklin Berwin, 500 Fifth Ave. New York, N. Y.
Vice President.
R. W. Adams, P.O. Box 27, Lone Pine, Calif.
Secretary-Treasurer & Manager.Director.
Wm. Stix Wasserman, 52 Wall St. New York, N. Y.
Director.
Chas. Allen Jr. 30 Broad St. New York, N. Y.
R. E. Defoe, 210 West Seventh St. Los Angeles, Calif.
Gerard Manasse, 60 Wall St. New York, N. Y.

4. President-W. C. Rigg- Owned and operated several small mines in New Mexico, Chihuahua and Sonora, Mexico, and was President of the Arizona Molybdenum Corporation, Copper Creek, Arizona, during years 1930-1940. Richmond Tungsten Mines, Rose Creek Tungsten Mines and Porvenir Tungsten Mines, Winnemucca, Nevada 1942-1944.
Manager-R. W. Adams- With above.

5. Owner.

6. None.

7. Inapplicable.

8. Attached.

9. $50,000.00. Yes.

10.a 43 Patented mining claims. Cerro Gordo Mines.

b Sections 1-2-11-12- Township 16S Range 38E Mt. Diablo Meridian. Same.

11. Cerro Gordo Mines.

12. 8 miles to railroad. Town of Keeler, Calif. Good mountain road.

13. On 700' level of mine sufficient water for drilling all year. California Electric Power Company. $300.00 monthly.

14. Shaft house 32'x54'
Hoist & Compressor room 32'x60'
Warehouse 34'x40'
Blacksmith shop 24'x48'
Recreation hall 24'x60'
Ore house & tramway terminal 44'x64'
Bunk house 8 rooms
" " 8 "
Staff house 10 rooms
Cook house 5 rooms
Residence 4 rooms

15. Hauled or trammed 8 miles. Railroad to Selby, Calif. or to Anaconda Copper Co. Utah.

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

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

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

TOTAL ORE OR MINERAL RESERVES

Ore or Mineral Reserve	Estimated Tons (a)	Metal or Mineral Content Per Ton (Grade) (b)	Gross Value Per Ton (c)	Recoverable Unit Value Per Ton (d)	Estimated Cost of Production Per Ton (e)
Measured (proved)					
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 _____
(Signature of authorized official)

May 22, 1951.
(Date)

President
(Title)

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

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

16.a Principal production was during years 1868-1875, 1911-1918, 1931-1934. Approximately $12,000,000.00 worth of Lead, Silver and zinc was mined and sold during these years. Grade of ore produced has been consistently high, averaging from 41-43% Lead, 0.7 oz. Silver to each percent of lead. Zinc content 2% in lead ore. When Zinc orebodies were encountered average 35%. Orebodies have either faulted or pinched. Present exploration project covered item 22.

b Darwin operation of Anaconda Copper Co. 26 miles south of Cerro Gordo. Approximate production $10,000,000.00. Several smaller mines.

c Professional paper #110 by Adolph Knopff and report of R. T. Walker

17. Inapplicable.

18. Inapplicable.

19. None.

20. Lead, Silver and Zinc. Limestone replacement chimneys.

21. Estimated time to complete program is ten months. Run drift 1100' six crosscuts 200' each provision for 600' raises.

22. Present program is based on geology that the San Felipe fault is main route of mineralization. Three orebodies were along this structure: Union or China chmney, Diabase Dike orebody and the San Felipe vein orebody. The 550' level is at the top of a tight fold in the lime bedding. Above this the beds are normal to the tilt of the country permitting formation of orebodies above this level. Present plan of exploration calls for drifting 1100' SW along the San Felipe fault with six crosscuts at 200' intervals 200' in length with raises contemplated wherever leachings or values are encountered.

23.a 2 miners, 2 muckers @ 20.00-25.00 day (contract) 2 hoistmen, 1 trucker @ 2.00 hour 1 cook 200.00 month.

b Foreman $850.00

c $1,900.00

d None.

e

2 DA30 Leyners (automatic)	$1,990.00
1 Dodge Power Wagon	2,900.00
1 Blower, motor and ventube	1,500.00
	$6,390.00

f None.

g Operators cost $27,606.61

h $23,190.00

i $3,000.00

24. 10 months duration. 2300' drifting 9' daily. 600' raises 14' daily.

Form MF-103
April 1951

U. S. Department of the Interior

Defense Minerals Administration.

Application of LEAD KING MINES.

Item 8. Balance Sheet as of March 31, 1951.

ASSETS.

Current Asset:		
Cash in Bank and on hand.		$ 4,702.39
Fixed Assets:		
Autos & Trucks.	$ 4,013.26	
Machinery & Equipment.	27,606.61	
Properties & Buildings.	56,500.00	
Total Fixed Assets.		88,119.87
Exploration & Development.		31,568.43
Total.		$124,390.69

LIABILITIES.

Current Liabilities:	
Accounts Payable.	$ 3,699.89
Loans from officers.	18,848.05
Reserve-Depreciation Machinery & Equipment.	1,842.75
Capital Stock Issued & Outstanding. (10,000 shares no par value)	100,000.00
Total.	$124,390.69

EXPLORATION & DEVELOPMENT.

Administrative expense.	$ 2,248.39
Auto & Truck expense.	2,539.21
Depreciation-Machinery & Equipment.	1,842.75
Electric Power.	818.83
Engineering.	708.15
Insurance.	408.95
Labor.	15,574.76
Mine Supplies.	2,499.59
Organization expense.	2,480.61
Repairs-Machinery & Equipment.	337.25
Telephone & Telegraph.	880.94
Travelling expense.	1,229.00
Total.	$31,568.43

Form MF-103
(April 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

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

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

DO NOT FILL IN THIS BLOCK

Docket No. dma-1678X

Date received 6/1/51

Participation

LEAD KING MINES INC.
P.O. BOX 1440,
BEVERLY HILLS, CALIF.

Name and address of applicant

Date May 22, 1951.

FILL IN THIS BLOCK

Date of application May 22, 1951.

Estimated cost $100,000.00

Mineral or metal LEAD SILVER ZINC

Percentage of Government participation 50%

Location of mine 8 miles east of Keeler, California.

Date of filing MF-100 May 22, 1951.

DMA Docket Number, if available

INSTRUCTIONS

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

THE APPLICANT

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

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

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

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

16—64067-1

THE PROPERTY

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

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

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

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

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

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

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

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

*16. History:

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

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

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

*17. Production:

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

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

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

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

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

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

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

THE EXPLORATION

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

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

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

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

THE REQUIREMENTS AND COSTS

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

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

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

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

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

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

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

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

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

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

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

CERTIFICATION

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

LEAD KING MINING INC.
(Name of company)

By _____
(Signature of authorized official)

May 22, 1951.
(Date)

President.
(Title)

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

*Same as footnote on page 1.

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

Form MF-103
April 1951.

U. S. Department of the Interior

Defense Minerals Administration

Application of LEAD KING MINES

1. Corporation.

2. Inapplicable.

3. W. C. Rigg, P.O. Box 1440, Beverly Hills, Calif.
President & Director.
Franklin Berwin, 500 Fifth Ave. New York, N. Y.
Vice President.
R. W. Adams, P.O. Box 27, Lone Pine, Calif.
Secretary-Treasurer & Manager.Director.
Wm. Stix Wasserman, 52 Wall St. New York, N. Y.
Director.
Chas. Allen Jr. 30 Broad St. New York, N. Y.
R. E. Defoe, 210 West Seventh St. Los Angeles, Calif.
Gerard Manasse, 60 Wall St. New York, N. Y.

4. President-W. C. Rigg- Owned and operated several small mines in New Mexico, Chihuahua and Sonora, Mexico, and was President of the Arizona Molybdenum Corporation, Copper Creek, Arizona, during years 1930-1940. Richmond Tungsten Mines, Rose Creek Tungsten Mines and Porvenir Tungsten Mines, Winnemucca, Nevada 1942-1944.
Manager-R. W. Adams- With above.

5. Owner.

6. None.

7. Inapplicable.

8. Attached.

9. $50,000.00. Yes.

10.a 43 Patented mining claims. Cerro Gordo Mines.

b Sections 1-2-11-12- Township 16S Range 38E Mt. Diablo Meridian. Same.

11. Cerro Gordo Mines.

12. 8 miles to railroad. Town of Keeler, Calif. Good mountain road.

13. On 700' level of mine sufficient water for drilling all year. California Electric Power Company. $300.00 monthly.

14. Shaft house 32'x54'
Hoist & Compressor room 32'x60'
Warehouse 34'x40'
Blacksmith shop 24'x48'
Recreation hall 24'x60'
Ore house & tramway terminal 44'x64'
Bunk house 8 rooms
" " 8 "
Staff house 10 rooms
Cook house 5 rooms
Residence 4 rooms

15. Hauled or trammed 8 miles. Railroad to Selby, Calif. or to Anaconda Copper Co. Utah.

Form MF-103 Application of LEAD KING MINES.

16.a Principal production was during years 1868-1875, 1911-1918, 1931-1934. Approximately $12,000,000.00 worth of Lead, Silver and zinc was mined and sold during these years. Grade of ore produced has been consistently high, averaging from 41-43% Lead, 0.7 oz. Silver to each percent of lead. Zinc content 2% in lead ore. When Zinc orebodies were encountered average 35%. Orebodies have either faulted or pinched. Present exploration project covered item 22.

b Darwin operation of Anaconda Copper Co. 26 miles south of Cerro Gordo. Approximate production $10,000,000.00. Several smaller mines.

c Professional paper #110 by Adolph Knopff and report of R. T. Walker

17. Inapplicable.

18. Inapplicable.

19. None.

20. Lead, Silver and Zinc. Limestone replacement chimneys.

21. Estimated time to complete program is ten months. Run drift 1100' six crosscuts 200' each provision for 600' raises.

22. Present program is based on geology that the San Felipe fault is main route of mineralization. Three orebodies were along this structure: Union or China chmney, Diabase Dike orebody and the San Felipe vein orebody. The 550' level is at the top of a tight fold in the lime bedding. Above this the beds are normal to the tilt of the country permitting formation of orebodies above this level. Present plan of exploration calls for drifting 1100' SW along the San Felipe fault with six crosscuts at 200' intervals 200' in length with raises contemplated wherever leachings or values are encountered.

23.a 2 miners, 2 muckers @ 20.00-25.00 day (contract) 2 hoistmen, 1 trucker @ 2.00 hour 1 cook 200.00 month.

b Foreman $850.00

c $1,900.00

d None.

e

2 DA30 Leyners (automatic)	$1,990.00
1 Dodge Power Wagon	2,900.00
1 Blower, motor and ventube	1,500.00
	$6,390.00

f None.

g Operators cost $27,606.61

h $23,190.00

i $3,000.00

24. 10 months duration. 2300' drifting 9' daily. 600' raises 14' daily.

Form MF-103
April 1951

U. S. Department of the Interior

Defense Minerals Administration.

Application of LEAD KING MINES.

Item 8. Balance Sheet as of March 31, 1951.

ASSETS.

Current Asset:		
Cash in Bank and on hand.		$ 4,702.39
Fixed Assets:		
Autos & Trucks.	$ 4,013.26	
Machinery & Equipment.	27,606.61	
Properties & Buildings.	56,500.00	
Total Fixed Assets.		88,119.87
Exploration & Development.		31,568.43
Total.		$124,390.69

LIABILITIES.

Current Liabilities:	
Accounts Payable.	$ 3,699.89
Loans from officers.	18,848.05
Reserve-Depreciation Machinery & Equipment.	1,842.75
Capital Stock Issued & Outstanding. (10,000 shares no par value)	100,000.00
Total.	$124,390.69

EXPLORATION & DEVELOPMENT.

Administrative expense.	$ 2,248.39
Auto & Truck expense.	2,539.21
Depreciation-Machinery & Equipment.	1,842.75
Electric Power.	818.83
Engineering.	708.15
Insurance.	408.95
Labor.	15,574.76
Mine Supplies.	2,499.59
Organization expense.	2,480.61
Repairs-Machinery & Equipment.	337.25
Telephone & Telegraph.	880.94
Travelling expense.	1,229.00
Total.	$31,568.43

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. Ama-1678 X

Date received 6/1/51

LEAD KING MINES INC.
P.O. BOX 1440,
Beverly Hills, Calif.

Name and address of applicant

Date May 22, 1951.

INSTRUCTIONS

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

GENERAL TECHNICAL DATA

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

1. Materials produced:
   (*a*) What are the chief mine, mill, or smelter products?
   (*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)
L. C. Rigg "D" P.O.Box 1440 Dev. Villa	President	None	100,000	4350		None	
Franklin Berwin 500 Fifth Ave. N.Y.C. "D"	Vice Pres. Sec-Treas.	"	500,000			"	
R. W. Adams, Lone Pine	Manager	$6000.				"	
Mr. Tix Rasegron "D" 52 Wall St. N.Y.C.		None	plus 500,000	1166		"	
Chas. Allen, Jr. 30 Broad St. N.Y.C.		"	plus 1,000,000	950		"	
R.D.Cefoe 210 7th.St. Los Angeles		"	100,000	360		"	
Gerard Manesso 60 Wall St. N.Y.C.		"	plus 500,000	850		"	
	Total	$6,000.	x x x x x	7076		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	$100,000.	$100,000.	$ N.P.V.	10,000	None.
Preferred stock	$ None.	$	$		

*Indicate period covered.

10. Production:

Item	Kind of Product (a)	1948 Total (b)	1949 Total (c)	1950 Total (d)	Present Average Monthly (e)
1. Quantity of product mined or quarried (Short, long, metric tons; barrels; pounds; etc.)					
2. Quantity of product processed (specify unit of measure and type of process)					
3. Quantity and grade of product sold or shipped (specify units of measure)					

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

12. Ore or Mineral Reserves:

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

Form MF-100
March 1951.

U. S. Department of the Interior

Defense Minerals Administration

Application of LEAD KING MINES INC.

1.a Lead-Silver-Zinc.

2.b 60,000'drifts and crosscuts. 1,850' shafts.

c 2,200' adits.

d 5 surface openings-stopes.

3.a 8 miles from town of Keeler, Calif.

b Cerro Gordo mining district.

c Township 16S Sections 1-2-11-12 Range 38E Mt. Diablo Meridian.

d Inyo, California.

4.a Exploration.

b Owner.

5. Principal production was during years 1868-1875, 1911-1918, 1931-1934.

6. President-W. C. Rigg- Owned and operated several small mines in New Mexico, Chihuahua and Sonora, Mexico, and was President of the Arizona Molybdenum Corporation, Copper Creek, Arizona, during years 1930-1940. Richmond Tungsten Mines, Rose Creek Tungsten Mines and Porvenir Tungsten Mines, Winnemucca, Nevada 1942-1944.
Manager-R. W. Adams- With above.

7.a Principal production approximated $12,000,000.00 worth of Lead, Silver and Zinc. Lead content averaged 41-43% Silver 28 oz. and Zinc 2%. When Zinc orebodies were encountered they averaged 35%.

b Darwin operation of Anaconda Copper Company, 26 miles south of Cerro Gordo. Approximate production $10,000,000.00. Several smaller mines.

c Professional paper #110 by Adolph Knopff and report of R. T. Walker enclosed.

Present exploration plan is based on geology that the San Felipe fault is main route of mineralization. Three orebodies were along this structure: Union or China chimney, Diabase Dike orebody and the San Felipe vein orebody. The 550' level is at the top of a tight fold in the lime bedding. Above this the beds are normal to the tilt of the country permitting formation of orebodies above this level. Present plan of exploration calls for drifting 1100' SW along the San Felipe fault, with six crosscuts at 200' intervals 200' in length, with raises contemplated wherever leachings or values are encountered.

12. The Cerro Gordo orebodies are mainly limestone replacement chimneys. See Professional Paper #110 by Adolph Knopff and report of R. T. Walker enclosed.

13. 8 miles from Cerro Gordo mine to town of Keeler, Calif. Good mountain road. Also equiped with aerial tramway to Southern Pacific Railway at Keeler.

14. Mine makes sufficient water on 700' level to operate machine drills.

15. Electric power. California Power Company. $300.00 monthly.

16. 2 miners, 2 muckers, 2 trammers, 2 hoistmen, 1 trucker, 1 cook, 1 foreman.

17. Hoist Joshua Hendy #100 standard geared.1,400' of 1" cable.
100 H.P. motor General Electric. Controller box and grids.
Electric control switchboard complete with amp and watt meters.
1000 cu. ft. Imperial type 10B compressor, Controller box and fittings. Ingersoll Rand.
150 H.P. motor General Electric.
750 cu. ft. 2 stage compressor Ingersoll Rand. Controller box and fittings.
75 H.P. motor. Allis Chalmers.
22,000 ft. Leschen aerial tramway, towers, 2 terminals, cables, buckets and middle terminal station.
Diamond drill Sullivan HS-15 complete.
Eimco mucking machine.
Chevrolet 4 wheel drive truck.
Mine cars, drills, pipe lines, hoses, water tanks and miscellaneous mine and cook house equipment.

Buildings:	Shaft house 32'x54'	Condition	good.
	Hoist and compressor room 32'x60'	"	"
	Warehouse 34'x40'	"	"
	Blacksmith and machine shop 24'x48'	"	"
	Recreation hall 24'x60'	"	"
	Miners change room 16x34'	"	"
	Ore house and tramway terminal 44'x64'	"	"
	Bunk house 8 rooms	"	"
	" " 8 "	"	fair
	Staff house 10 rooms	"	good
	Cook house 5 rooms	"	"
	Residence 4 rooms	"	"

placer:

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

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

TOTAL ORE OR MINERAL RESERVES

Ore or Mineral Reserve	Estimated Tons (a)	Metal or Mineral Content Per Ton (Grade) (b)	Gross Value Per Ton (c)	Recoverable Unit Value Per Ton (d)	Estimated Cost of Production Per Ton (e)
Measured (proved)					
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 _____
(Signature of authorized official)

May 22, 1961.
(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

April 14, 1951

Mr. W. C. Rigg
Hampshire House
150 Central Park South
New York, N. Y.

Re: Cerro Gordo Mines
Keller, California

Dear Mr. Rigg:

In accordance with your request by telephone I am pleased to enclose forms and information concerning the mineral exploration program.

You will note from the press release dated April 11 attached that further assistance may be obtained from the field office for your region in San Francisco.

If I can be of further assistance, please let me know.

Yours very truly,

OTTO HERRES, Chief
Lead-Zinc Branch

Enclosure

OHERRES:ks

cc: Mr. Strobel
Mr. Moon
2 copies Mr. H. C. Miller, Region III
Mr. Mote
Mr. McKnight
Mr. Herres
Files

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

March 26, 1951

Mr. W. C. Rigg
Hampshire House
150 Central Park South
New York, N. Y.

Dear Mr. Rigg:

Your letter dated March 20 to Mr. James Boyd concerning assistance for exploration at Cerro Gordo Mines, Keeler, California, has been referred to me for reply.

It is probable that you will be interested in the exploration program which was approved recently and will become effective as soon as application blanks and instructions can be issued. The press release dated February 20 outlining the program is enclosed for your information.

In the event that you are interested in further information, it is suggested that you communicate with the field office for your Region which is Region III, Mr. H. C. Miller, Executive Officer, 1415 Appraisers Building, San Francisco, California.

Yours very truly,

Otto Herres

OTTO HERRES, Chief
Lead-Zinc Branch

Enclosures - 2

OHERRES:ks

cc: Mr. Strobel
Mr. Moon
Mr. Mote
Mr. McKnight
Mr. Herres
Files

2 copies Executive Officer Field Team Region III
Mr. H. C. Miller, 1415 Appraisers Building
San Francisco, California

Mr. Kennedy
O H
ans. 3/26

Palm Beach, Florida
March 20, 1951

Mr. James Boyd
Defense Minerals Administrator
Washington, D. C.

Dear Mr. Boyd:

I would appreciate any information that you may be able to furnish relative to assistance your department may be affording for exploration of lead properties.

We own Cerro Gordo Mines at Keeler, California, which has one of the largest production records of lead silver in the state and is situated within twenty-six miles of Anaconda's current operation at Darwin. We have expended a substantial sum for exploration to date. Recent geological studies indicate further exploration work could be successful in discovering additional highly productive lead silver chimneys there.

Will you kindly address your reply to me at the Hampshire House, 150 Central Park South, New York, New York

Cordially yours,

W. C. Rigg

WCR:N

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAR 23 1951
LANDON F. STROBEL
Executive Secretary

MAR 23 1951

12
4