DMA Form 1

DEFENSE MINERALS ADMINISTRATION
Control Slip

CONTROLLED DOCUMENT

DMA Docket No. 3848

DO NOT DETACH THIS SLIP

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

This document has been recorded as

Exploration Assistance

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

Cy B Mines cy USGS

Routing Slip

To:	500	Date	6/7/55
To:	Oper Com	Date	6-10-55
To:	Oper Com	Date	7-7-55
To:	Oper Com	Date	8-15-55
To:		Date	
To:		Date	
To:		Date	
To:		Date	
To:		Date	
To:		Date	
To:		Date	
To:		Date	
To:		Date	
To:		Date	

DO NOT DETACH

CONTROLLED DOCUMENT

JAMES E. MURRAY, MONT., CHAIRMAN
CLINTON P. ANDERSON, N. MEX.
HENRY M. JACKSON, WASH.
JOSEPH C. O'MAHONEY, WYO.
ALAN BIBLE, NEV.
RICHARD L. NEUBERGER, OREG.
JOHN A. CARROLL, COLO.
FRANK CHURCH, IDAHO
GEORGE W. MALONE, NEV.
ARTHUR V. WATKINS, UTAH
HENRY DWORSHAK, IDAHO
THOMAS H. KUCHEL, CALIF.
FRANK A. BARRETT, WYO.
BARRY GOLDWATER, ARIZ.
GORDON ALLOTT, COLO.

RICHARD L. CALLAGHAN, CHIEF CLERK

United States Senate

COMMITTEE ON
INTERIOR AND INSULAR AFFAIRS

OFFICIAL FILE COPY
DMEA
RECEIVED MAR 11 1957

DATE	INITIALS	CODE
3/12	C	220
"	CM	100
3/13	fwd	500
		225

March 7, 1957

DMEA 3548

Mr. Paul T. Smith
Chairman
Board of Railroad Commissioners
Helena, Montana

Dear Paul:

It has taken some time to investigate the situation outlined in your letter of March 1st.

It appears that there has been a difference of opinion between the Government and your company engineers on purely theoretical geology which cannot be settled without some physical proof.

It will be an excellent idea for you to discuss your problem at the DMEA Spokane office.

I believe, however, the best way to get this case reopened and a new examination would be for you to do some drilling below the 600 ft. level and to prove the existence of the fault or find evidence of an extension of the ore body, in which case Administrator C. O. Mittendorf informs me he will be glad to order a re-examination.

With kindest personal regards, I am

Sincerely yours,

CHARLES A. MURRAY
Administrative Assistant

cc--C. O. Mittendorf

3/19/57 - Wrote O. [illegible]

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

1201 N. Division St.
Spokane 2, Washington
October 31, 1956

RECEIVED NOV 13 1956 D.M.E.A.

Mr. S. J. Giulio
838 Sixth Avenue
Helena, Montana

Re: Docket No. DMEA-3848 (Lead)
New Elkhorn Queen, Inc.
Queen Mine
Jefferson County, Montana

Dear Mr. Giulio:

Your tracings of the Queen mine were received, and we have made prints to complete our file on the property. Thank you for the prompt attention you gave to the request for the maps. The tracings are returned herewith.

Mr. E. G. Erickson of this office informed me of the desire of the New Elkhorn Queen, Inc. for the Government to reconsider a proposal for assistance under the Defense Minerals Exploration program to explore the Queen mine at depth. A review of our file on the application which was denied in August 1955 indicates that unless a more definite target is presented, a resubmittal of the proposal or an alternate proposal without additional justification could not be expected to alter the previous negative decision. However, any time you have additional evidence to support your proposal we will be glad to discuss it with you.

Sincerely yours,

Wing G. Agnew, Acting Exec. Officer
DMEA Field Team, Region I, NW Dist.

Enclosure

cc: Mr. M. K. Gordon
Cascade, Montana

DMEA (2)
USGS (2)

File Copy
Surname
J. ALP
Selfridge
Fjelmeen

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

FEB 27 1956

Hon. Orvin B. Fjare
House of Representatives
Washington, D. C.

Re: Docket No. DMEA-3848 (Lead)
New Elkhorn Queen, Inc.
Queen Mine
Jefferson County, Montana

My dear Mr. Fjare:

This is with reference to your letter dated February 21, 1956 regarding the cited property. We wish to advise you that the policy of the Defense Minerals Exploration Administration has not been changed since this application was denied Government exploration assistance. In the event that the owners of this property have done additional work since submitting their application, proving that this property is worthy of further consideration by the Government, then they could submit another application.

If no further work has been done by the owners since this property was examined by our Field Team, then we would suggest that they do not submit another application.

If I can be of any further service to you at any time, I trust that you will feel free to call upon me.

Sincerely yours,

C. O. Mittenhort

Administrator

JWAlt/er 2/24/56
Copy to: Docket
Admr R File
Op. Committee
Base Metals
Mr. Bishop, USBM
Mr. Kiilsgaard, USGS
Region I, NW Dist. (2)
Chron

R.C.L.

ORVIN B. FJARE
2D DISTRICT, MONTANA

HOME ADDRESS:
BIG TIMBER, MONTANA

WALDO N. SPANGELO
EXECUTIVE SECRETARY

COMMITTEE:
EDUCATION AND LABOR

500

Congress of the United States
House of Representatives
Washington, D. C.

February 21, 1956

RECEIVED
FEB 23 1956

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

Dear Mr. Mittendorf:

I have been contacted by some of the owners of a mining property known as the New Elkhorn Queen, Inc., Jefferson County, Montana. They evidentally had made application for aid for an exploration project last year. The information on the former application is as follows:

Docket No. DMEA-3848 (Lead)
New Elkhorn Queen, Inc.
Queen Mine
Jefferson County, Montana

It was turned down in a letter signed by you on August 17, 1955.

They have asked me to find out whether there has been any Departmental policy change that would be of a nature to encourage them to resubmit the application at this time, or to make a new application. It isn't their desire to do anything further, unless there is reason to believe that a different decision might be reached.

Any advice you can give me in general terms will be appreciated.

Yours very truly,

Orvin B. Fjare

F/s

FILE COPY
SURNAME:

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

NOV 25 1955

Hon. Mike Mansfield
United States Senate
Washington, D. C.

Re: Docket No. DMEA-3848 (Lead)
New Elkhorn Queen, Inc.
Queen Mine
Jefferson County, Montana

My dear Senator Mansfield:

This is with reference to your letter, dated November 22, regarding the final action taken on the subject application.

The application of New Elkhorn Queen, Inc., for Government exploration assistance was denied on August 17, 1955. For your information I am enclosing copies of letter, of that date, to Mr. S. J. Giulio, Secretary, New Elkhorn Queen, Inc., Boulder, Montana, advising him of our action.

If I can be of any further service to you at any time, I trust that you will feel free to call upon me.

Sincerely yours,

Frank E. Johnson

ACTING Administrator

Enclosure

JWAlt/FEJohnson/bih
11/25/55
cc to: Docket
Admr. Reading File
Operating Committee
Region I, NW Dist. (2)
Mr. Bishop - USBM
Mr. Kiilsgaard - USGS
Mr. Griswold
Mr. Johnson

File Copy
Surname
J. Alt.

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

Hon. Mike Mansfield
United States Senate
Washington, D. C.

Re: Docket No. DMEA-3848 (Lead)
New Elkhorn Queen, Inc.
Queen Mine
Jefferson County, Montana

My dear Senator Mansfield:

This is with reference to your letter, dated November 22, regarding the cited application. We wish to advise you that this application for Government exploration assistance was denied and on August 17, we wrote to Mr. S. J. Sinclio, Secretary, New Elkhorn Queen, Inc., Boulder, Montana, advising him of this action. For your information, we are enclosing copies of this letter.

If I can be of any further service to you at any time, I trust that you will feel free to call upon me.

Sincerely yours,

Administrator

Enclosures

JWAlt/er 11/25/55
Copy to: Docket
Admr R File
Op. Committee
Base Metals
Mr. Bishop, USBM
Mr. Kiilsgaard, USGS
Region 1 (2) NW Dist.
Chron.

THEODORE FRANCIS GREEN, R. I., CHAIRMAN
CARL HAYDEN, ARIZ.
THOMAS C. HENNINGS, JR., MO.
ALBERT GORE, TENN.
MIKE MANSFIELD, MONT.
WILLIAM E. JENNER, IND.
FRANK A. BARRETT, WYO.
JOSEPH R. MCCARTHY, WIS.
CARL T. CURTIS, NEBR.
GORDON F. HARRISON, CHIEF CLERK AND COUNSEL

United States Senate

COMMITTEE ON
RULES AND ADMINISTRATION

November 22, 1955

RECEIVED
NOV 23 1955

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

Dear Mr. Mittendorf:

With respect to our previous correspondence concerning the application of the New Elkhorn Queen, Inc., Queen Mine, Jefferson County, Montana, Docket No. DMEA-3848 (Lead), will say that I would appreciate your advising me at this time if final action was taken on this application.

Thanking you and with best personal wishes, I am

Sincerely yours,

Mike Mansfield

File Copy
Surname
Arwood
Selfridge

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

AUG 17 1955

Mr. S. J. Giulio, Secretary
New Elkhorn Queen, Inc.
Boulder, Montana

Re: Docket No. DMEA-3848 (Lead)
New Elkhorn Queen, Inc.
Queen Mine
Jefferson County, Montana

Dear Mr. Giulio:

Your application for aid for an exploration project and other reports available to us in Washington concerning your application have been reviewed.

Projects approved by the Defense Minerals Exploration Administration must, in its judgment, show definite promise of yielding materials of acceptable grade in quantities that will significantly improve the mineral supply position for the National Defense Program.

Careful study of all our information, although noting a small amount of ore on your property, indicates to us that the probability of disclosing minable ore reserves by your proposed program is not sufficiently promising to justify Government participation. Therefore, we regret to advise you that your application for exploration assistance is denied.

We wish to thank you for your interest in the Defense Minerals Program and for bringing your property to our attention.

Sincerely yours,

C. O. Mittendorf (for)

Administrator

JWAlt/er 8/12/55 rewritten 8/16/55
Copy to: Docket
Admr R File
Op. Committee
Base Metals
Mr. Bishop, USBM
Mr. Kiilsgaard, USGS
Region I (2) NW Dist.
Senator James E. Murray (2)
Chron.

File Copy
Surname

J. All.
Maxwell
Fjosum
Geehan
Kilsgaard

UNITED STATES
DEPARTMENT OF THE INTERIOR 500
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C.

Mr. L. J. Giulio, Secretary
New Elkhorn Queen, Inc.
Boulder, Montana

Re: Docket No. DM A-3848 (Lead)
New Elkhorn Queen, Inc.
Queen Mine
Jefferson County, Montana

Dear Mr. Giulio:

Your application for aid for an exploration project and other reports available to us in Washington concerning your application have been reviewed.

Projects approved by the Defense Minerals Exploration Administration must, in its judgment, show definite promise of yielding materials of acceptable grade in quantities that will significantly improve the mineral supply position for the National Defense Program.

Careful study of all our information, although noting a small amount of ore on your property, indicates to us that the probability of disclosing minable ore reserves by your proposed program is not sufficiently promising to justify Government participation. We regret to advise you, under these circumstances, that your application for exploration assistance is denied.

We wish to thank you for your interest in the Defense Minerals Program and for bringing your property to our attention.

Sincerely yours,

Administrator

WRGriswold/er 8/12/55
Copy to: Docket
Admr R File
Op. Committee
Base Metals
Mr. Bishop, USBM
Mr. Kiilsgaard, USGS
Region I (2) NW Dist.
Senator James F. Murray (2)
Chron.

File Copy
Surname

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

AUG 17 1955

Hon. James E. Murray
United States Senate
Washington, D. C.

Re: Docket No. DMEA-3848 (Lead)
New Elkhorn Queen, Inc.
Queen Mine
Jefferson County, Montana

My dear Senator Murray:

This is with reference to your request that you be informed regarding the cited application for Government exploration assistance. We are enclosing copies of a letter advising the Applicant that the application has been denied.

I am sure that you will feel free to call upon me at any time when I might be of service to you.

Sincerely yours,

C. O. Mittendorf

Administrator

Enclosures

WRGriswold/er 8/11/55

Copy to: Docket
Admr R File
Op. Committee
Base Metals
Mr. Bishop, USBM
Mr. Kiilsgaard, USGS
Chron.
Region I (2) NW Dist.

File Copy
Surname
J. Alt.
Griswold
Gechan

UNITED STATES
DEPARTMENT OF THE INTERIOR 500
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C.

August 12, 1955

Memorandum

To: The Administrator

From: Chief, Base Metals Division

Subject: Denial of Application, Docket No. DMEA-3848 (Lead), New Elkhorn Queen, Inc., Queen Mine, Jefferson County, Montana

The cited application, dated May 28, 1955, was received by this office on June 8, 1955. It was forwarded by the Executive Officer, Region I, Northwest District.

The Applicant proposed to: Sink the present vertical shaft 100 feet from the 600 to the 700 level, 360 feet of drifting and crosscutting on the 700 level, and 50 to 60 feet of drifting and crosscutting on the 600 level. The Applicant estimates that this proposed work will amount to $38,000.

An ore pipe has been stoped to a point about 40 feet above the 600 level track. The critical areas are now inaccessible due to caving. The Applicant, who did not do the mining, hypothesizes that a flat fault offset the ore body and he desires to do work in search of the offset segment.

Verne C. Fryklund, in his memorandum of July 7 states:

"On the basis of available evidence we cannot assume that the ore body was cut by a fault. We must then assume that ore body actually bottomed above the 600 level."

Mr. Weissenborn, in his letter of July 8, recommends that:

"the application be denied, as there is at present no known target for exploration. The applicant might be advised to search for such a target area, but in view of the limited size of the property covered by the application the Field Team is not particularly in favor of doing this."

We concur with the recommendations of the Field Team and the Commodity members of the USGS and the USBM that this application be denied.

JWAlt/er

W. R. Griswold

Copy to: Docket
Base Metals
Chron.

W. R. Griswold

UNITED STATES
DEPARTMENT OF THE INTERIOR 500
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C.

August 12, 1955

Memorandum

To: The Administrator

From: Chief, Base Metals Division

Subject: Denial of Application, Docket No. DMEA-3848 (Lead), New Elkhorn Queen, Inc., Queen Mine, Jefferson County, Montana

The cited application, dated May 28, 1955, was received by this office on June 8, 1955. It was forwarded by the Executive Officer, Region I, Northwest District.

The Applicant proposed to: Sink the present vertical shaft 100 feet from the 600 to the 700 level, 360 feet of drifting and crosscutting on the 700 level, and 50 to 60 feet of drifting and crosscutting on the 600 level. The Applicant estimates that this proposed work will amount to $38,000.

An ore pipe has been stoped to a point about 40 feet above the 600 level track. The critical areas are now inaccessible due to caving. The Applicant, who did not do the mining, hypothesizes that a flat fault offset the ore body and he desires to do work in search of the offset segment.

Verne C. Fryklund, in his memorandum of July 7 states:

"On the basis of available evidence we cannot assume that the ore body was cut by a fault. We must then assume that ore body actually bottomed above the 600 level."

Mr. Weissenborn, in his letter of July 8, recommends that:

"the application be denied, as there is at present no known target for exploration. The applicant might be advised to search for such a target area, but in view of the limited size of the property covered by the application the Field Team is not particularly in favor of doing this."

We concur with the recommendations of the Field Team and the Commodity members of the USGS and the USBM that this application be denied.

W. R. Griswold

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

RECEIVED
AUG - 9 1955

August 8, 1955

Re: DMEA-3848
New Elkhorn Queen, Inc.
Queen Mine
Jefferson Mine
Jefferson County,
Montana

Memorandum

To: W. R. Griswold, DMEA

From: O.M. Bishop,
Branch of Base Metals

Subject: Recommendation for denial of application

The applicant proposes work to explore for ore which he hypothesizes exists as an offset and faulted segment of the downward extending ore pipe in the Queen mine, which is reported to have produced approximately $375,000 in lead, silver and gold.

The applicant presents geological plans and sections which support his hypothesis, but it is difficult to determine which part is postulated and which part recorded fact. Assuming his interpretation of the facts, as reported on the map of the 600 level and of the section through A-A' to be correct, there is no indication as to the direction or distance which the offset portion of the ore body may have been moved, and hence no specific target area. On the other hand if the ore body was not displaced we must conclude that the ore body bottomed above the 600-foot level.

I recommend denial of the application on the basis of the evidence submitted. If salvage of ore in caved areas, drill holes or drifting by the company should prove the presence of an ore displacing post mineral fault with evidence as to the resultant direction and probable distance of movement, a definite project with a more concrete target will then be possible.

O. M. Bishop

O. M. Bishop

Copy to - Division of Minerals
Mr. Kiilsgaard, Room 5222
O. M. Bishop
Files

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

RECEIVED
AUG - 9 1955

August 8, 1955

Re: DMEA-3848
New Elkhorn Queen, Inc.
Queen Mine
Jefferson County,
Montana

Memorandum

To: W. R. Griswold, DMEA

From: O. M. Bishop,
Branch of Base Metals

Subject: Recommendation for denial of application

The applicant proposes work to explore for ore which he hypothesizes exists as an offset and faulted segment of the downward extending ore pipe in the Queen mine, which is reported to have produced approximately $375,000 in lead, silver and gold.

The applicant presents geological plans and sections which support his hypothesis, but it is difficult to determine which part is postulated and which part recorded fact. Assuming his interpretation of the facts, as reported on the map of the 600 level and of the section through A-A' to be correct, there is no indication as to the direction or distance which the offset portion of the ore body may have been moved, and hence no specific target area. On the other hand if the ore body was not displaced we must conclude that the ore body bottomed above the 600-foot level.

I recommend denial of the application on the basis of the evidence submitted. If salvage of ore in caved areas, drill holes or drifting by the company should prove the presence of an ore displacing post mineral fault with evidence as to the resultant direction and probable distance of movement, a definite project with a more concrete target will then be possible.

O. M. Bishop

Copy to - Division of Minerals
Mr. Kiilsgaard, Room 5222
O. M. Bishop
Files

IN REPLY REFER TO:

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

RECEIVED
JUL 22 1955

July 21, 1955

Re: DMEA 3848
New Elkhorn Queen, Inc.
Queen Mine
Jefferson Co., Montana

Memorandum

To: W. R. Griswold, Defense Minerals Exploration Administration

From: N. E. Nelson, U. S. Geological Survey

Subject: Review of Field Team report.

The conclusions of the Field Team regarding the applicant's proposed exploratory work are justified, but the assumption that the "ore body actually bottomed above the 600 level" may be questioned.

It may not be out of place to recommend core drilling, by the applicant, to try and find a target, such as an extension, or faulted section of the known orebody or another orebody. Faults seem to be plentiful and unsolved, the eastern diorite porphyry is irregular and unlocated, otherwise the conditions are not unusual and appear unchanged, except for lack of ore, on the lowest or 600 level. Prodding with a diamond drill from existing openings in an effort to 'solve' the faults and locate the porphyry would be cheaper, faster and at this stage, a more efficient prospecting method than sinking, drifting and crosscutting as proposed.

N. E. Nelson

N. E. Nelson

IN REPLY REFER TO:

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

RECEIVED
JUL 22 1955

July 21, 1955

Re: DMEA 3848
New Elkhorn Queen, Inc.
Queen Mine
Jefferson Co., Montana

Memorandum

To: W. R. Griswold, Defense Minerals Exploration Administration

From: N. E. Nelson, U. S. Geological Survey

Subject: Review of Field Team report.

The conclusions of the Field Team regarding the applicant's proposed exploratory work are justified, but the assumption that the "ore body actually bottomed above the 600 level" may be questioned.

It may not be out of place to recommend core drilling, by the applicant, to try and find a target, such as an extension, or faulted section of the known orebody or another orebody. Faults seem to be plentiful and unsolved, the eastern diorite porphyry is irregular and unlocated, otherwise the conditions are not unusual and appear unchanged, except for lack of ore, on the lowest or 600 level. Fredding with a diamond drill from existing openings in an effort to 'solve' the faults and locate the porphyry would be cheaper, faster and at this stage, a more efficient prospecting method than sinking, drifting and crosscutting as proposed.

N. E. Nelson

N. E. Nelson

NENelson:iml
G-7/21/55

cc: Director's reading, 4212
Branch reading, 4212
DMEA (3)
Docket file
O. M. Bishop, 3617

File Copy
Surname
J.W. Alt.
Irwin
Selfridge
Robinson
Mottender

UNITED STATES
DEPARTMENT OF THE INTERIOR500
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C.

JUL 11 1955

Mr. A. E. Weissenborn
Executive Officer
DMEA Field Team, Region I
Northwest District
South 157 Howard Street
Spokane 4, Washington

Re: Docket No. DMEA-3848 (Lead)
New Elkhorn Queen, Inc.
Queen Mine
Jefferson County, Montana

Dear Mr. Weissenborn:

In the event that you should consider the cited application favorably, the Applicant should be requested to obtain a Subordination Agreement from the parties holding the two mortgages against the property. Please use form MF-201, Revised March 24, 1955. Anybody holding interest in the mortgages must sign the Subordination Agreement.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee (JB)

APPROVED:

/s/ Robert W. Geehan (JB)
Member, Bureau of Mines

Thor H. Kiilsgaard (JB)
Member, Geological Survey

JWAlt/er 7/7/55

Copy to: Docket
Admr R File
Op. Committee
Base Metals
Mr. Bishop, USBM
Mr. Kiilsgaard, USGS

cal

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
~~WASHINGTON 25, D.C.~~
So. 157 Howard Street
Spokane 4, Washington

RECEIVED
JUL 11 1955
7/18/55. Reviewed by Oper. C.

July 8, 1955 aee

Mr. George C. Selfridge, Chairman
DMEA Operating Committee
Department of the Interior
Washington 25, D. C.

Re: Docket No. DMEA-3848,
New Elkhorn Queen, Inc.
Queen mine
Jefferson County, Montana

Dear Mr. Selfridge:

Enclosed are four copies of an appraisal of the cited application by Verne C. Fryklund, Jr., geologist, Geological Survey.

The Field Team concurs with Fryklund's recommendation that the application be denied, as there is at present no known target for exploration. The applicant might be advised to search for such a target area, but in view of the limited size of the property covered by the application the Field Team is not particularly in favor of doing this.

By Field Team, Reg. I, NW District

A E Weissenborn
A. E. Weissenborn, Exec. Officer
U. S. Geological Survey

Wing G. Agnew
Wing G. Agnew, Member
U. S. Bureau of Mines

Enclosures
cc: DMEA (orig. & 3)
USBM (2)
USGS (SRO)
Fryklund

Reviewed by
DMEA OPERATING COMMITTEE
7-15-55
(date)

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
~~WASHINGTON 25, D.C.~~
So. 157 Howard Street
Spokane 4, Washington

RECEIVED
JUL 11 1955

July 7, 1955

Memorandum

To: DMEA Field Team, Region I, Northwest District

From: Verne C. Fryklund, Jr., Geologist, U. S. Geological Survey

Subject: Application appraisal, Docket No. DMEA-3848, New Elkhorn Queen, Inc., Queen mine, Jefferson County, Montana

The application from this company is well prepared and unusually well documented by what now appears as adequate geologic information. The following discussion is based on the applicant's maps, a sketch map prepared by Darrell Pinckney, Geological Survey, and a phone conversation with Pinckney. Pinckney examined the property with S. J. Giulio on June 14, 1955, and the two are in accord as to the geologic facts.

Briefly, an ore pipe has been stoped to a point about 40 feet above the 600 level track. The critical areas are now inaccessible due to caving. The applicant, who did not do the mining, hypothesizes that a flat fault offset the ore body and he desires to do work in search of the offset segment.

As mapped by Giulio there are flat faults on the 600 level, and in raises from the 600 level that dip to the north (see applicant's map--Pinckney confirms his interpretation), these faults at the elevation of the known bottom of the ore body would be well south of the ore body. Flat faults on the 600 level that would cut the ore body would have to show in the crosscut south of the shaft or lie north of the shaft. Neither Giulio's map nor Pinckney's map shows such faults in the crosscut, and there are no workings north of the shaft. The 60°-dipping fault in the stub crosscuts also dips north and cannot have cut the ore body either.

On the basis of available evidence we cannot assume that the ore body was cut by a fault. We must then assume that the ore body actually bottomed above the 600 level.

The application, therefore, should be denied because there is no evidence that there is a faulted segment of an ore body to look for. Less formally, the applicant might be encouraged

Reviewed by
DMEA OPERATING COMMITTEE
7-15-55
(date)

to withdraw his application until he can demonstrate that the ore body was faulted. Sub-level workings off existing raises seem required to show this. Government participation in such work does not seem justified.

Distribution:
DMEA (4)
USBM (2)
USGS (SRO)
Docket
Fryklund

Rec'd 6/7/55, [illegible]

[illegible]

July 6-55,

Redwine of Sen Murrays office asks to be kept informed of progress of this case.

Com

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
~~WASHINGTON 25, D. C.~~
No. 157 Howard Street
Spokane 4, Washington

RECEIVED
JUL 11 1955

July 8, 1955

Mr. George C. Selfridge, Chairman
DMEA Operating Committee
Department of the Interior
Washington 25, D. C.

Re: Docket No. DMEA-348
New Elkhorn Queen, Inc.
Queen mine
Jefferson County, Montana

Dear Mr. Selfridge:

Enclosed are four copies of an appraisal of the cited application by Verne C. Fryklund, Jr., geologist, Geological Survey.

The Field Team concurs with Fryklund's recommendation that the application be denied, as there is at present no known target for exploration. The applicant might be advised to search for such a target area, but in view of the limited size of the property covered by the application the Field Team is not particularly in favor of doing this.

By Field Team, Reg. 1, N. District

A. E. Weissenborn, Exec. Officer
U. S. Geological Survey

King G. Agnew, Member
U. S. Bureau of Mines

Enclosures
cc: DMEA (orig. & 3)
BLM (2)
USGS (EMO)
Fryklund

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
~~WASHINGTON 25, D. C.~~
So. 157 Howard Street
Spokane 4, Washington

RECEIVED
JUL 11 1955

July 7, 1955

Memorandum

To: DMEA Field Team, Region I, Northwest District

From: Verne C. Fryklund, Jr., Geologist, U. S. Geological Survey

Subject: Application appraisal, Docket No. DMEA-3848, New Elkhorn Queen, Inc., Queen mine, Jefferson County, Montana

The application from this company is well prepared and unusually well documented by what now appears as adequate geologic information. The following discussion is based on the applicant's maps, a sketch map prepared by Darrell Pinckney, Geological Survey, and a phone conversation with Pinckney. Pinckney examined the property with S. J. Giulio on June 14, 1955, and the two are in accord as to the geologic facts.

Briefly, an ore pipe has been stoped to a point about 40 feet above the 600 level track. The critical areas are now inaccessible due to caving. The applicant, who did not do the mining, hypothesizes that a flat fault offset the ore body and he desires to do work in search of the offset segment.

As mapped by Giulio there are flat faults on the 600 level, and in raises from the 600 level that dip to the north (see applicant's map--Pinckney confirms his interpretation), these faults at the elevation of the known bottom of the ore body would be well south of the ore body. Flat faults on the 600 level that would cut the ore body would have to show in the crosscut south of the shaft or lie north of the shaft. Neither Giulio's map nor Pinckney's map shows such faults in the crosscut, and there are no workings north of the shaft. The 60°-dipping fault in the stub crosscuts also dips north and cannot have cut the ore body either.

On the basis of available evidence we cannot assume that the ore body was cut by a fault. We must then assume that the ore body actually bottomed above the 600 level.

The application, therefore, should be denied because there is no evidence that there is a faulted segment of an ore body to look for. Less formally, the applicant might be encouraged

to withdraw his application until he can demonstrate that the ore body was faulted. Sub-level workings off existing raises seem required to show this. Government participation in such work does not seem justified.

Distribution:
DMEA (4)
USBM (2)
USGS (spc)
Denhart
Frykland

File Copy
Surname
Griswold

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

JUL - 6 1955

Hon. Mike Mansfield
United States Senate
Washington, D. C.

Re: Docket No. DMEA-3848 (Lead)
New Elkhorn Queen, Inc.
Queen Mine
Jefferson County, Montana

My dear Senator Mansfield:

I have your letter of July 1, referring to an application for Government assistance on an exploration project for the Queen Mine.

The application is, at present, in the hands of Mr. A. E. Weissenborn, Executive Officer, DMEA Field Team, Region I, Northwest District, South 157 Howard Street, Spokane 4, Washington. There are various technical problems involved in the project and Mr. Weissenborn has given detailed instructions to one of the Field Team geologists regarding the examination of this property.

I would not expect any undue delay in receiving the Field Team report and recommendations. As soon as they are received here you may be sure that we shall try to deal promptly with this application.

As you requested the letter from Mr. Paul T. Smith, dated June 28, is returned.

Sincerely yours,

C. O. Mittendorf

Administrator

Enclosures
WRGriswold/er 7/6/55
Copy to: Docket
Admr R File
Op. Committee
Base Metals
Mr. Bishop, USBM
Mr. Kiilsgaard, USGS
Region I (2), NW Dist.
Chron.

WALTER F. GEORGE, GA., CHAIRMAN
THEODORE FRANCIS GREEN, R. I.
J. W. FULBRIGHT, ARK.
JOHN SPARKMAN, ALA.
HUBERT H. HUMPHREY, MINN.
MIKE MANSFIELD, MONT.
ALBEN W. BARKLEY, KY.
WAYNE MORSE, OREG.
ALEXANDER WILEY, WIS.
H. ALEXANDER SMITH, N. J.
BOURKE B. HICKENLOOPER, IOWA
WILLIAM LANGER, N. DAK.
WILLIAM F. KNOWLAND, CALIF.
GEORGE D. AIKEN, VT.
HOMER E. CAPEHART, IND.

FRANCIS O. WILCOX, CHIEF OF STAFF

500

United States Senate

COMMITTEE ON FOREIGN RELATIONS

RECEIVED
JUL - 5 1955

July 1, 1955

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

Dear Mr. Mittendorf:

I am enclosing herewith letter I have received concerning the application filed for a loan by the Elk Horn Queen Mine, DMEA-3848.

I would appreciate your looking into this matter and giving me a report on the same. Please return Mr. Smith's letter with your reply.

Thanking you and with best personal wishes, I am

Sincerely yours,

Mike Mansfield

C
O
P
Y

UNITED STATES SENATE
Committee on Foreign Relations

July 1, 1955

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

Dear Mr. Mittendorf:

I am enclosing herewith letter I have received concerning the application filed for a loan by the Elk Horn Queen Mine, DMEA-3848.

I would appreciate your looking into this matter and giving me a report on the same. Please return Mr. Smith's letter with your reply.

Thanking you and with best personal wishes, I am

Sincerely yours,

signed Mike Mansfield

C
O
P
Y

BOARD OF RAILROAD COMMISSIONERS
of The State of Montana

Ex-Officio
Public Service Commission of Montana

Helena

June 28, 1955

Honorable Mike Mansfield
U. S. Senator
Washington, D. C.

Dear Senator:

I have a letter from the owners of the new Elk Horn Queen Mine whose address is Boulder, Montana, asking me to contact both you and Senator Murray regarding a loan which this company has applied for.

The loan is in the amount of $38,000 and has been designated by the Washington office as DMEA-3848 "Exploration Assistance Queen Mine". In the past this company had an RFC loan which was satisfactorily liquidated. The loan is for the purpose of extending the shaft and other development work. The company seems quite certain that they will qualify for the loan but they are very much interested in that there may be no delay in securing it. Most of the stock holders in this mine are from and around Boulder, Montana, and Glasgow, Montana.

I am sure they will appreciate any assistance that you may be able to give them in seeing that the loan is promptly handled.

Very truly yours,

BOARD OF RAILROAD COMMISSIONERS

Signed Paul T. Smith

PAUL T. SMITH, Commissioner

PTS ad

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

RECEIVED
JUN 23 1955

June 22, 1955

Re: DMEA-3848
New Elkhorn Queen, Inc.
Queen Mine
Jefferson County,
Montana

Memorandum

To: W. R. Griswold, DMEA

From: O. M. Bishop, Branch of Base Metals

Subject: Application for exploration assistance in $38,000 program

The Queen mine has produced about $250,000 worth of crude lead, zinc, gold, silver ore from a chimney which extended from near surface to just above the 600-foot level. At the lower level the applicant states a low angle fault has displaced the ore body.

The management of New Elkhorn Queen, Inc. propose to sink the present vertical shaft 100 feet and to do exploratory cross-cutting and drifting on the 600- and 700-foot levels totaling about 420 feet to seek the ore body believed displaced by faulting.

The application is well prepared; it also contains level maps, and sections of the mine workings which show an interpretation of the geologic setting.

If the ore "chimney" were displaced by a low angle fault whose direction can be deduced the exploration has interest. However, if there is no evidence, regional or local, as to the probable direction and amount of displacement the potential for exploration is greatly reduced.

I recommend the property be examined carefully by the field team to determine if there is logic in the proposed exploration.

O. M. Bishop

O. M. Bishop

Copy to - Division of Minerals
Mr. Kiilsgaard, Room 5224
O. M. Bishop
Files

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

RECEIVED
JUN 23 1955

June 22, 1955

Re: DMEA-3848
New Elkhorn Queen, Inc.
Queen Mine
Jefferson County,
Montana

Memorandum

To: W. R. Griswold, DMEA

From: O. M. Bishop, Branch of Base Metals

Subject: Application for exploration assistance in $38,000 program

The Queen mine has produced about $250,000 worth of crude lead, zinc, gold, silver ore from a chimney which extended from near surface to just above the 600-foot level. At the lower level the applicant states a low angle fault has displaced the ore body.

The management of New Elkhorn Queen, Inc. propose to sink the present vertical shaft 100 feet and to do exploratory cross-cutting and drifting on the 600- and 700-foot levels totaling about 420 feet to seek the ore body believed displaced by faulting.

The application is well prepared; it also contains level maps, and sections of the mine workings which show an interpretation of the geologic setting.

If the ore "chimney" were displaced by a low angle fault whose direction can be deduced the exploration has interest. However, if there is no evidence, regional or local, as to the probable direction and amount of displacement the potential for exploration is greatly reduced.

I recommend the property be examined carefully by the field team to determine if there is logic in the proposed exploration.

O. M. Bishop

O. M. Bishop

Copy to - Division of Minerals
Mr. Kiilsgaard, Room 5224
O. M. Bishop
Files

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

RECEIVED
JUN 23 1955

June 22, 1955

Re: DMEA-3848
New Elkhorn Queen, Inc.
Queen Mine
Jefferson County,
Montana

Memorandum

To: W. R. Griswold, DMEA

From: O. M. Bishop, Branch of Base Metals

Subject: Application for exploration assistance in $38,000 program

The Queen mine has produced about $250,000 worth of crude lead, zinc, gold, silver ore from a chimney which extended from near surface to just above the 600-foot level. At the lower level the applicant states a low angle fault has displaced the ore body.

The management of New Elkhorn Queen, Inc. propose to sink the present vertical shaft 100 feet and to do exploratory cross-cutting and drifting on the 600- and 700-foot levels totaling about 420 feet to seek the ore body believed displaced by faulting.

The application is well prepared; it also contains level maps, and sections of the mine workings which show an interpretation of the geologic setting.

If the ore "chimney" were displaced by a low angle fault whose direction can be deduced the exploration has interest. However, if there is no evidence, regional or local, as to the probable direction and amount of displacement the potential for exploration is greatly reduced.

I recommend the property be examined carefully by the field team to determine if there is logic in the proposed exploration.

O. M. Bishop

O. M. Bishop

Copy to - Division of Minerals
Mr. Kiilsgaard, Room 5224
O. M. Bishop
Files

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

RECEIVED
JUN 28 1955

June 22, 1955

Re: DMEA-3848
New Elkhorn Queen, Inc.
Queen Mine
Jefferson County,
Montana

Memorandum

To: W. R. Griswold, DMEA

From: O. M. Bishop, Branch of Base Metals

Subject: Application for exploration assistance in $38,000 program

The Queen mine has produced about $250,000 worth of crude lead, zinc, gold, silver ore from a chimney which extended from near surface to just above the 600-foot level. At the lower level the applicant states a low angle fault has displaced the ore body.

The management of New Elkhorn Queen, Inc. propose to sink the present vertical shaft 100 feet and to do exploratory cross-cutting and drifting on the 600- and 700-foot levels totaling about 420 feet to seek the ore body believed displaced by faulting.

The application is well prepared; it also contains level maps, and sections of the mine workings which show an interpretation of the geologic setting.

If the ore "chimney" were displaced by a low angle fault whose direction can be deduced the exploration has interest. However, if there is no evidence, regional or local, as to the probable direction and amount of displacement the potential for exploration is greatly reduced.

I recommend the property be examined carefully by the field team to determine if there is logic in the proposed exploration.

O. M. Bishop

O. M. Bishop

Copy to - Division of Minerals
Mr. Kiilsgaard, Room 5224
O. M. Bishop
Files

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
~~WASHINGTON 25, D.C.~~
So. 157 Howard Street
Spokane 4, Washington

RECEIVED
JUN 20 1955

June 14, 1955

Mr. George C. Selfridge, Chairman
Operating Committee, DMEA
Department of the Interior
Washington 25, D. C.

Re: Application for aid submitted by
New Elkhorn Queen, Inc.
Jefferson County, Montana
Docket No. DMEA-3848 (lead-silver)

Dear Mr. Selfridge:

In line with a recent conversation which I had with Mr. W. R. Griswold I am enclosing for his information two copies of a letter which I have written to the field requesting more information on the new Elkhorn Queen property.

This will inform him of the problems involved and the questions that we have requested the field men to attempt to settle.

Sincerely yours,

A. E. Weissenborn
A. E. Weissenborn
Executive Officer, DMEA
Field Team, Region I
Northwest District

Enclosure (in dupl.)
cc: USBM(2)
Pinckney

COPY OF A COPY COPY OF A COPY

So. 157 Howard Street
Spokane 4, Washington

RECEIVED
JUN 20 1955

June 3, 1955

Mr. Darrell M. Pinckney
943½ W. Granite
Butte, Montana

Re: Application for Aid submitted by
New Elkhorn Queen, Inc.
Jefferson County, Montana

Dear Darrell:

I am sending herewith a copy of an application submitted by New Elkhorn Queen, Inc., of Boulder, Montana, complete with a set of maps. I am also sending the original notes of the mapping of the Elkhorn Queen done by the Boulder batholith party. I think that you did some of this mapping. You will note that there is some considerable discrepancy between the interpretation on the two sets of maps. After discussing this with Monty and Bob Weeks, we decided that another look at the property would be necessary and decided to send this to you for this purpose.

The most important thing to be found out is whether the ore body is terminated by a fault as shown by Giulio, et al., or whether it just plain stops as is the interpretation by the Boulder batholith party. Any information that you can get will be most helpful. Bob did note a flat fault in a raise off the 600 level which seemed to terminate the ore in the raise, but we do not know how significant this is. This may be no more than a local slip.

There are some points in Giulio's interpretation that do not jibe. For instance, on section 2-2' he states that the ore body is "flatly faulted to the southwest", but he does not show any fault which cuts off the ore. On his section A-A his "flat fault" is not a flat fault at all; the apparently flat-dipping structure is the trace of a steep fault on the plane of the ore body.

Specifically, the things we want to check are:

(1) Is there a flat fault, or any fault cutting off the ore on the 600, or in the raise above the 600? Is this fault, if it does exist, premineral or postmineral? If postmineral, is there any drag ore, and if so, in what direction?

(2) Please check the bearing from the shaft on the 600 level to the crosscut. You will note there is very great discrepancy here between the two maps, and it is possible that a reverse bearing may have been platted on one of them.

(3) Check if the shaft station on the 600 is in porphyry or argillite.

(4) Regardless of whether there is a fault terminating ore body or not, in your opinion, is exploration below the 600 level worth doing? In other words, even though the ore body narrows down on the 600 or even terminates above it, would there be a reasonably good chance of finding similar ore bodies below the 600?

(5) Is there any possibility that the ore body does reach the 600 level but has not yet been picked up there? In other words, should more exploration be done on the 600 or can be be satisfied that the ore body does not reach this level for one reason or another? For this reason, it is particularly important to check the bearing of the 600 level workings so that we will know where we are with relation to the upper workings, which is now not the case.

(6) If deeper exploration is justified, could this be done, in part at least, by diamond drilling? Are there any sites on the 600 level or an extended 600 level which would be suitable for drill stations?

Monty says to guard the note sheets we are sending you with your life as these are the original and only copies.

I am also sending you the dockets on the January, Dunstone, and Bulwar projects. These Don Kellum has had, but we are going to have to switch Don immediately to Willard's beat, and he will not be able to look at these. All of these need an inspection in the very near future, particularly the January, and I wish you would tend to this at your early convenience. The Dunstone and the Bulwar are within a couple of miles of the Elkhorn Queen, and you might pick those up at the time that you are looking at the Queen. Within the next few days we will send you a list of all of the properties you will be responsible for.

Sincerely yours,

/s/

A. E. Weissenborn
Executive Officer, DMEA
Field Team, Region I
Northwest District

Enclosures
cc: USBM(2)
M. R. Klepper

File Copy
Surname
J. W. Alt.
Grunwald
Selfridge
Mattelduff

UNITED STATES
DEPARTMENT OF THE INTERIOR 500
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C.

JUN 13 1955

Mr. A. E. Weissenborn
Executive Officer
DMEA Field Team, Region I
Northwest District
South 157 Howard Street
Spokane 4, Washington

Re: Docket No. DMEA-3848 (Lead-Silver-Gold)
New Elkhorn Queen, Inc.
Queen Mine
Jefferson County, Montana

Dear Mr. Weissenborn:

This will acknowledge receipt of your letter of June 1, in which you state that a field examination of the cited property will be scheduled as soon as time permits.

We will hold this application in abeyance until the Field Team report is received.

Sincerely yours,

George C. Selfridge
Chairman, Operating Committee (JHB)

JWAlt/er 6/9/55
Copy to: Docket
Admr R File
Op. Committee
Base Metals
Mr. Bishop, USBM
Mr. Kiilsgaard, USGS
Chron.

APPROVED:

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

Thor H. Kiilsgaard (JHB)
Member, Geological Survey

R.C.L.

June 7, 1955

Memorandum

To: Executive Officer, DMEA Field Team, Region I N. W. District

From: Chief, Operation's Control and Statistics Division

Subject: Assignment of Docket Number

There is listed below the assigned docket number to an application recently received from Region I N. W. District.

DMEA - 3848 New Elkhorn Queen, Inc.

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

June 7, 1955

New Elkhorn Queen, Inc.
Boulder, Montana

Subject: DMEA 3848
Re: Exploration Assistance
Queen Mine

Gentlemen:

The receipt of your application dated May 28, 1955 for exploration assistance under the Defense Production Act of 1950, as amended, is hereby acknowledged.

Your application has been assigned Docket Number DMEA 3848 and referred to the Base Metals Division.

Kindly identify all future correspondence relating to your application by this docket number.

Sincerely yours,

Robert E. Adams, Chief
Operations Control and
Statistics Division

60932

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
~~WASHINGTON 25, D.C.~~
So. 157 Howard Street
Spokane 4, Washington

RECEIVED
JUN - 6 1955

June 1, 1955

Mr. George C. Selfridge, Chairman
Operating Committee, DMEA
Department of the Interior
Washington 25, D. C.

Re: DMEA application (lead-silver-gold)
New Elkhorn Queen, Inc.
Jefferson County, Montana

Dear Mr. Selfridge:

Enclosed are the original and two copies of an application to explore the "Queen" mine in Jefferson County, Montana. One copy of the application is being retained for the files of this office.

A field examination will be scheduled as soon as time permits.

Sincerely,

A. E. Weissenborn

A. E. Weissenborn
Executive Officer, DMEA
Field Team, Region I
Northwest District

Enclosure (in trip.)

cc: USBM (2)
Pinckney

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Form Approved.
Budget Bureau No. 42-R1035.2.

RECEIVED

JUN - 6 1956

RECEIVED

MAY 31 1955

U. S. G. S.
SPOKANE, WASH.

APPLICATION FOR AID IN AN EXPLORATION PROJECT, PURSUANT TO DMEA ORDER 1, UNDER THE DEFENSE PRODUCTION ACT OF 1950, AS AMENDED

Not to be filled in by applicant

Docket No. DMEA-3848
Metal or Mineral Lead-Silver-gold
Date Received 6-6-55
Estimated Cost $38,000.00
Participation (Government %)

INSTRUCTIONS

1. *Name of applicant.*—(*a*) State here your full legal name, in the form in which you will wish to contract, and your mailing address:

NEW ELKHORN QUEEN, INC.
Boulder, Montana

(*b*) If other than an individual, add to your name above whether a corporation, partnership, etc., and the name of the State in which incorporated or otherwise organized.

(*c*) If a corporation, add to above statement, titles, names and addresses of officers.

(*d*) If a partnership, add to the above statement the names and addresses of all partners.

2. *General.*—Read DMEA Order 1, "Government Aid in Defense Exploration Projects," before completing this application. Submit this application and all accompanying papers in quadruplicate (four copies), with your name and address on each sheet of the application and on all accompanying papers. Where sufficient space is not provided on the form for all required information, state it on an accompanying paper, with a reference in each case to the instruction to which it refers by number. Comply with all applicable instructions; or, if not applicable, so state. File the application with Defense Minerals Exploration Administration, Department of the Interior, Washington 25, D. C., or with the nearest field executive officer thereof.

3. *Applicant's property rights.*—(*a*) State the legal description of the land upon which you wish to explore, including all land which you possess or control that may be benefited by the exploration, and excluding any land or interest in land which is not to be included in the exploration project contract

PLEASE REFER TO THE ATTACHED PAGES

(*b*) State any mine name by which the property is known.

(*c*) State your interest in the land, whether owner, lessee, purchaser under contract, or otherwise

(*d*) If you are not the owner, submit with this application a copy of the lease, contract, or other document under which you control the property.

(*e*) If you own the land, describe any liens or encumbrances on it

(*f*) If the land consists of unpatented claims, add to the description above, the book and page numbers for each recorded location notice.

4. *Physical description.*—(*a*) Describe in detail any mining or exploration operations which have been or now are being conducted upon the land, including existing mine workings and production facilities. State your interest, if any, in such operations. Also describe accessibility of mine workings for examination purposes.

(*b*) State past and current production, and ore reserves, if any, giving quantities and grades.

(*c*) Describe the geologic features of the property, including mineralization, type of deposit (vein, bedded, etc.), and your reasons for wishing to explore. Illustrate with maps or sketches. Send with your application (but not necessarily as a part of it) any geologic or engineering report, assay maps, or other technologic information you may have, indicating on each whether you require its return to you.

(*d*) State the facts with respect to the accessibility of the project: Access roads, distances to shipping, supply and residence points.

(*e*) State the availability of manpower, materials, supplies, equipment, water, and power.

5. *The exploration project.*—(*a*) State the mineral or minerals for which you wish to explore .....

.....

(*b*) Describe fully the proposed work, including a map or sketch of the property showing a plan (and cross sections if needed) of any present mine workings, and the location of the proposed exploration work as related to such features as contacts, veins, ore-bearing beds, etc.

(*c*) The work will start within ..... days and be completed within ..... months from the date of an exploration project contract.

(*d*) State the operating experience and background of the applicant with relation to the ability to carry out such exploration project, and also that of the person or persons who will supervise the operations.

6. *Estimate of costs.*—Furnish a detailed estimate of the costs of the proposed work (you will have to use a separate sheet), under the following headings. Add the totals under all headings to give the estimated total cost of the project:

(*a*) *Independent contracts.*—(Note.—If the applicant does not intend to let any of the work to contractors, write "none" after this item. To the extent that the work is to be contracted, do not repeat the cost of the contract-work in subsequent items.) State the cost of any proposed independent contracts for the performance of all or any part of the work, expressed in terms of units of work (such as per foot of drilling, per foot of drifting, per hour of bulldozer operations, per cubic yard of material moved, etc.).

(*b*) *Labor, supervision, consultants.*—Include an itemized schedule of numbers, classes and rates of wages, salaries or fees for necessary labor, supervision and engineering and geological consultants.

(*c*) *Operating materials and supplies.*—Furnish an itemized list, including items of equipment costing less than $50 each, and power, water and fuel.

(*d*) *Operating equipment.*—Furnish an itemized list of any operating equipment to be rented, purchased, or which is owned and will be furnished by the Operator, with the estimated rental, purchase price, or suggested use-allowance based on present value, as the case may be.

(*e*) *Rehabilitation and repairs.*—Furnish a detailed list showing the cost of any necessary initial rehabilitation or repairs of existing buildings, installations, fixtures, and movable operating equipment, now owned by the Operator and which will be devoted to the exploration project.

(*f*) *New buildings, improvements, installations.*—Furnish a detailed list showing the cost of any necessary buildings, fixed improvements, or installations to be purchased, installed or constructed for the benefit of the exploration project.

(*g*) *Miscellaneous.*—Furnish a detailed list showing the cost of repairs to and maintenance of operating equipment (not including initial rehabilitation or repairs of the Operator's equipment), analytical work, accounting, workmen's compensation and employers' liability insurance, and payroll taxes.

(*h*) *Contingencies.*—Give an estimate of any necessary allowances for contingencies not included in the costs stated above.

NOTE.—No items of general overhead, corporate management, interest, taxes (other than payroll and sales taxes), or any other indirect costs, or work performed or costs incurred before the date of the contract, should be included in the estimate of costs.

7. (*a*) Are you prepared to furnish your share of the cost of the proposed project in accordance with the regulations on Government participation (Sec. 7, DMEA No. 1)?

(*b*) How do you propose to furnish your share of the costs?

[x] Money [x] Use of equipment owned by you [ ] Other

Explain in detail on acompanying paper.

CERTIFICATION

The undersigned, whether as an individual, corporate officer, partner, or otherwise, both in his own behalf and acting for the applicant, certifies that the information set forth in this form and accompanying papers is correct and complete, to the best of his knowledge and belief.

Dated May 28th., 1955

NEW ELKHORN QUEEN, INC.
(Applicant)

By S. J. Giulio
Secretary

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—66551-1

1. Name of Applicant:-

(a) New Elkhorn Queen, Inc.
Boulder, Montana.

RECEIVED

(b) A Montana Corporation.

(c) Walter McCullough - President - Boulder, Montana.
Norman Boe - Vice President - Boulder, Montana.
A. Torkelson - Director - Glasgow, Montana.
Paul W. Campbell - Director - Glasgow, Montana.
Merrill Gordon - Director - Cascade, Montana.
S. J. Giulio - Secretary - Boulder, Montana.

2. General:-

The original and three copies of this application are mailed to Defense Minerals Exploration Administration, Department of the Interior, South 187 Howard Street, Spokane 4, Washington.

3. Applicant's Property Rights:-

(a) One patented lode mining claim (Survey No. 2054 A) situated in Section 26, Township 6 North, Range 3 West, Principal Meridian, Montana; and one patented mill-site (Survey No. 2054 B) situated in Sections 22 and 27, Township 6 North, Range 3 West, Principal Meridian, Montana.

(b) Known locally as the "Queen" mine.

(c) Recently purchased by this company.

(d) Not applicable.

(e) There are outstanding against the property a first mortgage in the amount of $10,000.00 and a second mortgage in the amount of $10,000.00; both of the above being held under trusteeship by the following stockholders: A. Torkelson, Glasgow, Montana; Paul W. Campbell, Glasgow, Montana; Bert Sorensen, Glasgow, Montana; R. P. Nelson, Great Falls, Montana and Merrill Gordon, Cascade, Montana, all of whom are

agreeable to any required subordination in the event a loan may be forthcoming and such subordination be required.

4. Physical Description:-

(a) The property is developed by a 600 foot vertical shaft from which several levels have been driven to intersect the ore body at intervals which are shown upon the attached maps. Inasmuch as the mine workings from the 300 level to surface are caved and inaccessible for examination and mapping, such workings are not included upon the maps which are being presented with this application. All maps are prepared from a basic transit survey.

This company is presently pursuing a rehabilitation and exploratory program at a number of points between the 300 and 600 foot levels, and by this means expects to salvage some ore from several caved areas as well to explore (horizontally), within a limited radius, the possibility of suggested ore-shoots other than the two now known and partially developed shoots.

For the most part, the underground mine workings are accessible for examination, to the extent that ore structure and geology may be checked reasonably close.

(b) There are included herewith a number of tabulations of production records covering recent years. Many of the records are not presently available including production during the early periods of operation. However, it is reported that at least $250,000.00 worth of crude ore was produced, exclusive of the production herewith tabulated. Judging by the older stope openings it is believed this figure to be most conservative.

There are presently no known ore reserves with exception of some salvageable remant occurrences within the areas heretofore mined. This tonnage could be rather substantial, but the cost of mining may prohibit the economic removel of a great percentage thereof.

(c) The ore occurs within a highly metamorphosed contact area in the immediate vicinity of limestones, shales and diorite porphyry. Limestones do not show underground near the present ore bodies with exception of some limestone derivitatives. The ore bodies are of the so-called "chimney" type produced probably by extensive faulting and fracturing.

There are at least two distincly separate ore-shoots; one being primarily within the diorite-porphyry and the other associated mostly with highly altered shales. The ore contains pyrite, galena and sphalerite with a limited amount of oxides and carbonates, within the diorite-porphyry ore body. The ore body that lies principally within the shales carries its values in cerussite, and minor galena inclusions. In the immediate vicinity of each of the above ore-shoots are highly oxidized and leached areas carrying limonite, manganese minerals, talc, jasper, quartz and many other highly altered minerals and rocks.

It has been observed that the so-called "sulphide" ore-shoot contains several ounces of gold in isolated areas, whereas the "oxidized" ore-shoot tends to run mostly to silver as a by-product. Incidentally the "sulphide" ore body has very hard walls; the "oxidized" ore-shoot being inclined to cave readily if not properly supported. The cross-sections accompanying this application are intended to illustrate the position of each of the ore bodies.

On the 600 horizon, or a short distance above this level, a fault has cut off the ore. Although this fault has not been completely explored, there is sufficient available information to indicate a rather flat dipping displacement, which apparently will shift the ore body in such a manner as to project its downward extension below the 600. Inasmuch as the development of this extension will require a major program, it is felt that a DMEA loan would greatly facilitate a downward exploratory and development project. Please refer to the accompanying maps for detailed information relating to the proposed program.

Incidentally, for your information, it may be well to set forth a few facts which are directly pertinent to the conditions which presently exist at this property. Briefly, the control of the mine had heretofore been with one individual, who was committed to a mental institution about two years ago leaving over $8,000.00 in debts and a badly caved mine. A number of stockholders, primarily those hereinabove listed as mortgagees, subscribed sufficient funds to retire the indebtedness and also some funds to re-open the mine. A rather conservative rehabilitation program was proceeding successfully (with production as listed under 1954) when the majority stockholder -through the aid and connivance of an attorney- was successful in being declared competent, principally because of the reluctance of his friends to intercede. Naturally this stockholder again assumed control of the mine, and within less than 10 days became violently uncontrollable and was re-committed to the sanitarium. His constituents refused to voluntarily return control and operated for about six weeks leaving some $4000.00 in debts and a most deplorable underground condition at the mine. Eventually through proper legal channels the control was changed and now rests within the ranks of the smaller stockholders. Sufficient funds were made available by the financially able stockholders to purchase the mining property, take care of the indebtedness and provide rehabilitation funds. Without such aid the lease would have been forfeited. It was impossible to sell additional stock, thus the situation involving the advance of private financing. The past management of this mine has been notoriously advertised. It is hoped this brief explanation will counteract such reports to the extent that a new management will prevail henceforth.

(d) The mining property is readily accessible by eighteen miles of excellent State and County, gravel roads and two miles of good mountain road, from the town of Boulder, Jefferson County, Montana. The crude ore is trucked to Boulder, and thence shipped by Great Northern Railroad to the East Helena plant of the American Smelting & Refining Company. East Helena is approximately 30 miles by rail from Boulder. Boulder is on US93 between Helena and Butte.

(e) There has been no difficulty thus far in securing manpower. For the most part, the workmen live in nearby towns, principally Boulder, where excellent living conditions prevail.

A direct connection with the Montana Power Company highline provides sufficient electrical power for all purposes. All other supplies are readily available at Butte and Helena. Lumber and timber can be purchased from a number of local saw-mills.

5. <u>The Exploration Project</u>:-

(a) The principle metals for which exploration is intended are lead, silver and gold, primarily lead.

(b) It is proposed to sink the present vertical shaft an additional 100 feet below the present sump, and create a so-called "700" working level, leaving a sump approximately 20 feet in depth, which will correspond to that presently existing below the 600 level. Also, around 50 to 60 feet of exploratory drifting and cross-cutting is proposed on the 600 to further identify the limits of the fault zone and thus produce information regarding the vein displacement.

On the proposed 700 horizon, approximately 360 feet of cross-cutting and drifting will be carried on to intersect and develop the ore extension. Reference is made to the several cross-sections for further project detail and information.

(c) It is expected that the proposed work will commence immediately upon approval of a contract, and the hiring of competent shaft men, and should be completed not later than four months thereafter, possibly sooner.

(d) The organization as it presently exists consists primarily of successful business men as directors and officers. A qualified engineer will be in charge of all operations.

6. Estimate of Costs:-

(a) Independent Contracts:

In setting up the tabulated costs following, it must be born in mind that this is a major project, commencing at a depth of 600 feet in a wet mine. The shaft will be six by ten feet in the clear, using 8" x 8" square, fir timber, at 5 foot intervals, and lagged with 2" fir. Sinking will be done with large buckets and an adequate air tugger hoist located on the 600; from where the muck will be transferred to cars and caged to surface. In addition to the shaft men, one man will be required at the 600 and the surface engineer and a service man at surface.

The cross-cutting at the 600 level will all require timbering and will be of sufficient size (6' x 8') inside timber to accomodate a rocker shovel. Twenty-four pound rail must be used in this development.

The 700 cross-cutting and drifting will require sufficient

opening (6 x 8) within timbers to accomedate a mucker, with timbers required only when the vein is encountered. Twenty-four pound rail will also be used on this development. At the station, the cross-cut opening will be over the full 10-foot width of the shaft and 20 feet deep from the shaft. The height of this station will slope from 15 feet at the shaft to the usual 8 foot drift height, at 20 feet.

DETAIL OF TOTALS:

DESCRIPTION	DETAIL	TOTAL
AMOUNT OF LOAN APPLICATION		$ 38,000.00
Accounted For As Follows:		
Sinking 100' @ $150	15,000.00	
Drifting & Cross-cutting:		
With Timber 120' @ $45	5,400.00	
Without Timber 300' @ $42	12,600.00	
Shaft Rehabilitation: 20' @ $97.25	1,945.00	
Moving of Pump Installation from 500 to 600 Level	1,555.00	
Station cutting and timbering @ 700 Level	1,500.00	

UNIT COST ESTIMATES:

DESCRIPTION	DETAIL PER FOOT	TOTAL PER FOOT
SINKING:		$ 150.00
Accounted For As Follows:		
Labor	$ 85.00	
Payroll Taxes (ss-uc-ins 12½%)	10.63	
Pipe & Fittings	3.00	
Timber	15.00	
Explosives (Powder-Electric Delays)	8.00	
Power (Electric)	4.00	
*Incidentals	24.37	
DRIFTING & CROSSCUTTING:		$
With Timber		$ 45.00*
Without Timber		42.00
Accounted For As Follows:		
Labor	$ 20.00	
Payroll Taxes (ss-uc-ins 12½%)	2.50	
Pipe-Rail	4.00	
Timber	3.00*	
Explosives (Powder-caps-fuse)	4.00	
Power (Electric)	4.00	
*Incidentals	7.50	
SHAFT REHABILITATION (Present Sump)		$ 97.25
Accounted For As Follows:		
Labor	$ 50.00	
Payroll Taxes	6.25	
Pipe & Fittings	1.00	
Timber	15.00	
Explosives	2.00	
Power (Electric)	3.00	
*Incidentals	20.00	

* Incidentals would cover supervision, engineering, assaying, pumping, repairs, drill steel & bits, Etc.

** The present shaft sump is not timbered and is partly caved. Also, it is not 6 x 10 in the clear and some blasting will be necessary. A proper anchor set must be placed at the 600 level.

(b) Labor-supervision-consultants:

See "Detail" incidentals.

(c) Operating Materials & Supplies:

Miscellaneous small tools and supplies are presently owned by the company.

(d) Operating Equipment:

The mine is now equipped with the following large machinery:

1 - 175 HP Electric Driven Hoist.

1 - 625 Cu. Ft. Ingersoll-Rand, Electric Compressor.

2 - 40 HP, Two Stage, IR Electric Pumps.

1 - Eimco Rocker Shovel (Air Operated).

1 - Double Drum Slusher Air Hoist with Scraper Bucket.

1 - Extra Large Gardner-Denver Air Tugger.

4 - 15 cu ft Mine Cars.

1 - Gardner-Denver Jackhammer (Late Model).

1 - Ingersoll-Rand R-58 Stopehammer.

1 - Ingersoll-Rand R-48 Stopehammer.

1 - Atlas Air Drill with Jackleg & Accessories.

2 - Ingersoll-Rand Air Driven Sump Pumps #35.

1 - Copus Ventair Blower, Size 5 (Electric Driven).

1 - Western Iron Works Timber Framer

1 - 36" Cut-off Circular Saw with accessories.

1 - Complete Assay Shop.

(e) Rehabilitation & Repairs:

(See Shaft Sump Rehabilitation under "Detail")

(f) New Buildings - Improvements - Installations:

(g) Miscellaneous:

(Covered under "Costs" tabulations)

(h) Contingencies:

(Covered under "Costs" incidentals)

7. (a) The company is prepared to furnish its share of the costs of the proposed project in accordance with the regulations on Government participation. Such costs will be partly by actual cash expenditures and partly by the use of equipment.

NEW ELKHORN QUEEN, INC

By S. J. Giulio, Secretary

Dated: May 28th., 1955

1951 PRODUCTION: New Elkhorn Queen, Inc.

DATE 1951	LOT NO.	DRY TONS	H_2O	ASSAYS							NET SMELTER		NET PROCEEDS
				AU OZ	AG OZ	PB %	ZN %	CU %	AS %	SB %	Ton	TOTAL	
4/24	688	94.4255		.03	3.95	2.1	2.8	0.10	2.10	0.20	3.61	340.88	
4/24	748	58.6695	8.2	.05	7.50	5.30	1.2	0.10	2.85	0.25	13.30	780.30	487.88
4/27	774	57.2930	6.0	.13	15.40	13.90	1.6	0.05	1.95	0.15	43.00	2463.60	1987.22
5/2	792	60.3050	5.7	.10	9.50	7.80	1.5	0.15	1.50	0.24	20.08	1210.92	870.33
5/2	811	54.5925	6.6	.115	8.20	7.40	1.2	0.10	1.45	0.24	18.29	998.50	698.48
5/16	857	54.6770	914	.118	10.90	8.30	1.0	0.05	2.05	0.32	23.08	1261.95	927.97
5/28	916	45.7755	15.9	.03	3.45	3.10	1.6	0.05	1.50	0.25	4.54	207.82	7.53
6/22	1067	56.2015	9.0	.07	7.75	4.90	1.6	0.05	0.40	0.24	9.62	540.66	234.19
6/22	1095	58.0650	5.8	.143	11.75	7.25	2.0	0.05			21.96	1275.11	936.90
6/22	1116	57.7775	5.7	.06	10.50	6.55	1.4	0.08	2.95	0.24	15.68	905.95	603.57
6/28	1133	58.4675	4.9	.055	9.25	6.15	1.8	0.05			13.90	812.70	523.21
6/28	1148	63.8185	5.3	.073	14.60	8.90	1.2	0.05	2.55	0.36	26.35	1681.62	1272.91
7/3	1173	58.9525	4.7	.075	13.00	8.25	1.4	0.05	3.25	0.24	22.91	1350.60	1002.12
7/9	1192	59.0115	5.4	.37	36.35	25.90	0.8	0.05	1.85	0.56	101.84	6009.73	5105.19
7/9	1193	57.8745	6.2	.458	40.50	27.45	1.0	0.05	2.55	0.36	112.33	6501.04	5548.18
7/9	1215	63.7805	5.3	.235	18.45	14.30	0.80	0.05	2.40	0.34	49.84	3178.82	2616.21
7/9	1230	55.6540	4.8	.310	24.75	18.05	1.2	0.05	2.55	0.36	67.84	3775.57	3142.75
7/25	1304	58.7325	4.5	.21	15.30	10.95	1.8	0.10	2.00	0.15	37.33	2192.48	1740.89
7/25	1322	54.0345	4.6	.213	15.30	11.80	1.6	0.10	2.60	0.32	39.37	2127.34	1703.84
7/27	1400	60.5135	5.3	.35	28.20	20.90	1.0	0.05	3.45	0.28	79.50	4810.82	4034.29
7/27	1414	59.4430	4.8	.333	26.30	19.90	0.90	0.05	3.50	0.32	74.54	4430.88	3700.60
8/7	1437	67.3920	4.3	.113	10.53	8.05	1.4	0.05	2.30	0.26	21.81	1469.82	1080.83
8/14	1468	54.7665	3.8	.10	9.65	6.55	1.6	0.05	1.90	0.22	16.74	916.79	631.21
8/14	1495	53.2725	4.1	.063	6.20	4.00	1.5	0.05	2.00	0.26	5.39	287.14	73.46
8/14	1518	47.4865	4.3	.11	7.90	5.00	2.2	0.05	2.00	0.15	11.22	532.80	312.35
8/14	1526	54.2985	4.1	.058	7.95	5.25	1.4	0.05	2.35	0.03	10.19	553.30	303.77
8/22	1564	47.7570	5.3	.05	6.35	4.80	1.6	0.05	1.75	0.32	7.40	353.40	148.60
8/29	1577	52.8615	5.3	.068	7.58	5.50	1.7	0.05	1.30	0.48	11.02	582.53	335.97
8/28	1620	47.2150	5.0	.875	8.28	5.70	1.5	0.05	1.70	0.48	12.74	601.52	371.14
8/29	1628	52.1525	4.5	.08	8.60	5.85	1.4	0.05	1.85	0.60	13.07	681.63	428.51
9/19	1670	40.7600	4.7	.06	5.85	3.55	1.4	0.05	1.30	0.36	3.89	158.56	------
9/17	1739	58.1350	5.9	.075	9.70	6.55	1.0	0.05	1.65	0.25	16.05	933.07	624.18
10/2	1799	46.4120	4.6	.085	6.55	4.20	1.2	0.25	1.30	0.05	7.09	329.06	124.87
10/2	1800	57.9195	4.8	.12	10.08	6.60	0.5	0.05	1.50	0.32	17.95	1039.66	726.62
10/18	1840	60.7565	4.8	.05	7.40	4.80	1.0	0.05			10.46	635.51	348.12
11/28	2102	50.6045	4.7	.165	11.24	7.45	1.4	0.05			24.88	1259.04	944.86
12/21	2401	48.1605	4.5	.165	8.15	5.20	1.3	0.05	2.80	0.20	14.65	705.55	459.99
12/4	2291	52.5310	4.0	.083	7.65	5.33	1.2	0.05	2.10	0.16	12.35	648.76	372.38

RECEIVED
JUN - 6 1955
1951 PRODUCTION

1952 PRODUCTION: New Elkhorn Queen, Inc.

DATE 1952	LOT NO.	DRY TONS	H_2O	ASSAYS							NET SMELTER		NET PROCEEDS
				AU OZ	AG OZ	PB %	ZN %	CU %	AS %	SB %	TON	TOTAL	
1/16	2505	56.6335	5.2	.10	3.53	2.3	1.2	0.05	3.60	0.24	3.53	199.92	-------
1/16	2539	58.9130	4.3	.093	4.20	2.25	1.0	0.05	2.30	0.28	4.53	266.88	10.31
1/22	2572	53.7400	6.0	.09	5.20	2.70	1.0	0.05	2.60	0.28	5.20	279.45	31.27
2/4	81	44.9560	7.0	.05	11.80	8.30	1.0	0.05	1.00	0.32	24.36	1095.13	1086.23
2/4	118	55.4055	5.5	.095	27.10	16.35	1.7	0.02	2.50	0.20	63.82	3535.98	2932.63
2/4	130	56.5905	7.0	.055	21.85	13.05	1.5	0.02	2.30	0.22	47.93	2712.38	2208.51
2/19	169	48.0605	8.7	.075	20.70	14.55	2.0	0.02	1.50	0.30	52.49	2522.70	2066.23
2/19	182	37.6705	8.5	.058	18.80	13.80	3.0	0.02	1.50	0.18	47.95	1806.30	1462.52
2/18	203	48.9570	8.9	.080	21.50	13.45	3.1	0.05	1.30	0.20	49.93	2444.42	1993.75
3/3	221	45.8870	8.9	.070	23.85	13.55	1.8	0.03	2.85	0.36	51.32	2354.92	1922.08
3/10	229	54.7085	9.9	.100	27.70	15.30	2.3	0.03	1.75	0.40	61.50	3364.57	2773.39
3/13	317	64.5150	9.3	.100	15.35	8.45	5.8	0.10	0.80	0.20	29.62	1910.93	1464.89
3/13	331	55.8550	9.4	.080	16.70	8.35	6.5	0.08	1.00	0.20	29.89	1669.51	1283.91
3/13	371	60.6415	8.7	.035	8.65	5.50	3.8	0.02	1.10	0.23	12.38	750.74	447.30
4/9	508	51.6320	8.6	.165	22.65	11.54	2.6	0.05	3.65	0.24	46.75	2413.80	1956.01
4/9	574	50.1955	9.0	.090	23.35	14.10	2.8	0.05	5.40	0.28	51.99	2609.66	2135.88
4/22	655	45.3720	8.8	.100	20.35	13.90	2.2	0.05	5.75	0.30	48.94	2220.51	1799.21
5/5	708	51.8695	8.0	.100	15.05	10.60	1.0	0105	4.40	0.34	34.63	1796.24	1402.93
5/5	763	52.3755	8.0	.070	22.30	11.65	2.3	0.03	1.00	0.40	44.94	2353.75	1894.66
5/15	813	48.3490	6.5	.123	18.50	11.90	1.6	0.03	2.10	0.42	43.59	2107.53	1692.07
5/15	835	54.9750	5.8	.123	17.50	12.10	1.3	0.03	2.50	0.30	40.95	2251.23	1795.51
5/14	836	26.6845	6.6	.055	11.20	6.55	3.2	0.03	2.05	0.26	17.34	462.71	158.38
5/22	853	43.2610	8.5	.128	20.60	15.03	1.4	0.03	2.50	0.32	52.31	2262.98	1838.60
6/2	893	50.9675	9.1	.223	30.30	24.50	2.0	0.05	2.85	0.18	87.70	4469.85	3735.40
6/2	950	57.7350	10.0	.295	31.70	26.75	1.5	0.05	2.50	0.54	88.49	5108.97	4264.21
6/24	1101	41.6330	8.8	.335	28.05	32.25	1.0	0.15	3.55	0.25	99.88	4158.30	3491.96
7/24	1193	49.6790	4.5	.040	8.25	6.05	1.8	0.05	1.25	0.32	10.61	527.09	287.81
7/24	1234	47.8020	7.0	.030	9.70	5.68	2.2	0.07	1.00	0.20	11.39	544.46	301.32
7/25	1288	45.3285	7.7	.035	9.95	5.15	2.2	0.10	1.45	0.24	10.50	475.95	248.79
8/28	1420	46.0940	5.0	.068	8.35	5.40	2.2	0.05	2.00	0.15	10.66	491.36	271.09
8/28	1445	52.7160	4.1	.035	7.15	4.40	1.3	0.05	0.95	0.10	6.06	319.46	96.65
9/3	1541	45.5325	6.6	.065	14.00	8.20	2.3	0.07	3.55	0.22	22.01	1002.17	720.44
9/3	1606	50.2305	5.9	.053	23.20	13.85	2.0	0.10	3.05	0.16	44.47	2233.75	1793.33
9/19	1604	44.4315	5.0	.103	21.95	13.00	2.8	0.05	1.50	0.33	43.44	1930.10	1540.75
10/2	1763	48.5805	4.8	.103	16.90	10.26	0.9	0.05	1.80	0.34	31.89	1549.23	1190.15
10/2	1833	57.4945	5.7	.208	24.99	18.26	1.0	0.07	2.50	0.20	62.46	3591.11	2943.69
10/2	1834	54.5735	5.5	.195	22.00	16.50	1.2	0.07	2.40	0.30	55.00	3001.54	2433.91
10/13	1873	55.6520	7.2	.180	24.95	18.90	2.3	0.05	2.90	0.41	62.87	3498.84	2869.58
10/27	1891	49.9595	7.0	.143	20.50	14.40	2.0	0.07	3.90	0.46	45.85	2290.64	1838.62
11/13	2078	51.5965	7.5	.080	21.35	12.80	2.8	0.10	1.00	0.24	37.61	1940.54	1519.40
11/26	2139	55.0840	6.0	.100	16.88	10.42	1.5	0.10	1.80	0.33	28.45	1567.14	1172.68
12/1	2158	53.6005	5.6	.080	20.15	12.61	2.5	0.05	1.10	0.33	35.18	1885.67	1463.29
12/11	2203	56.4510	7.0	.103	20.00	12.20	2.6	0.10	1.70	0.24	34.89	1969.58	1527.69
12/11	2237	50.4805	7.0	.080	20.10	12.65	2.8	0.05	1.70	0.41	36.01	1817.80	1415.05
12/11	2246	50.4090	5.3	.080	21.05	12.70	3.2	0.05	1.50	0.33	36.99	1864.63	1464.32
12/22	2336	53.6955	6.6	.075	15.75	9.60	1.5	0.05	1.50	0.25	25.85	1388.03	1029.39
12/22	2407	50.5635	5.4	.075	13.40	8.70	2.0	0.10	2.00	0.25	20.88	1055.77	749.65

47

RECEIVED
JUN - 6 1955

1952 PRODUCTION

1953 PRODUCTION: New Elkhorn Queen, Inc

RECEIVED
JUN - 6 1955

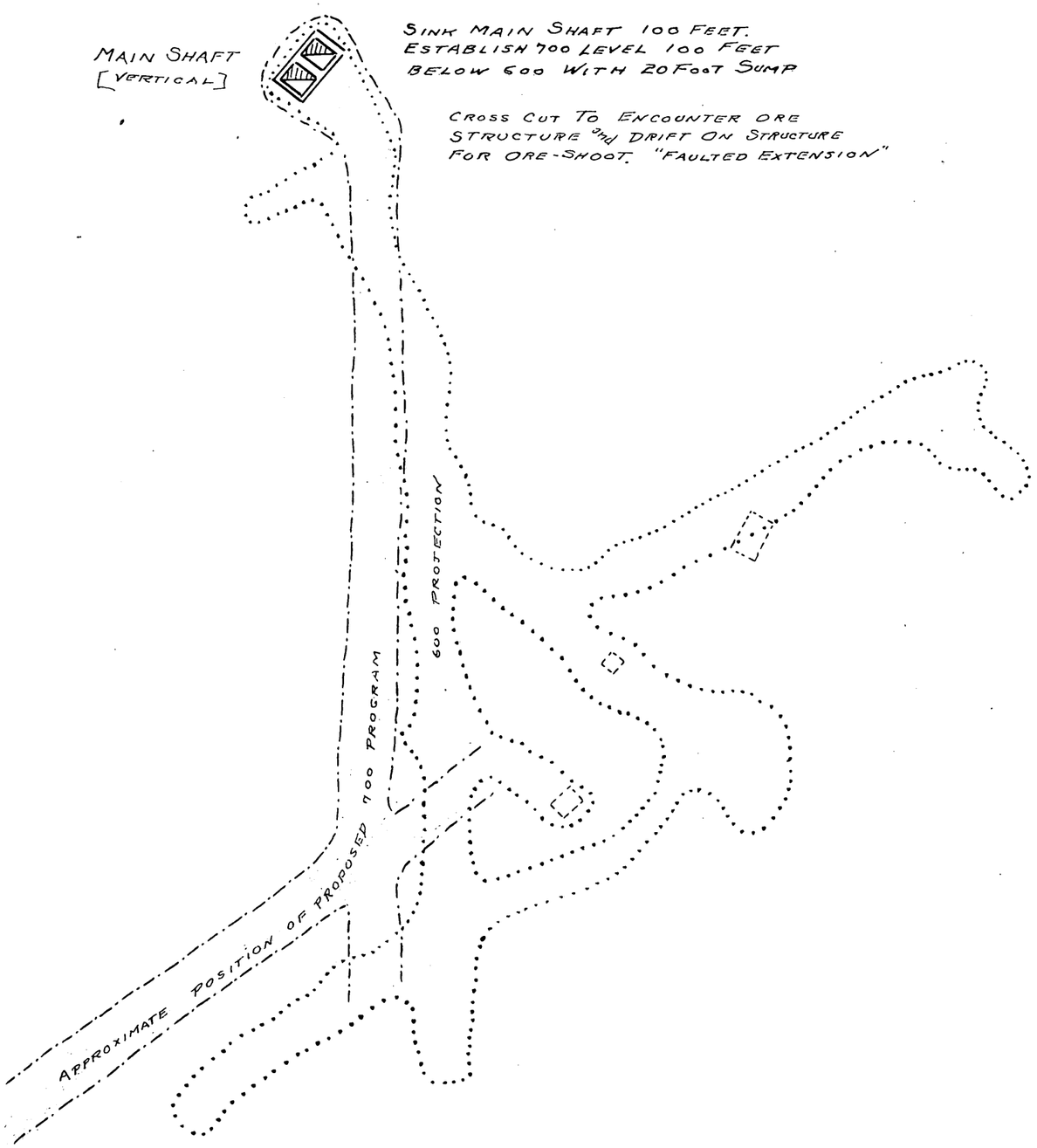
DATE 1953	LOT NO.	DRY TONS	H_2O	ASSAYS							NET SMELTER		NET PROCEEDS
				AU OZ	AG OZ	PB %	ZN %	CU %	AS %	SB %	TON	TOTAL	
1/21	44	55.1300	5.0	.080	13.30	8.51	2.8	0.10	1.70	0.49	20.91	1095.13	779.44
1/27	45	55.2300	4.9	.070	13.15	7.20	2.0	0.10	3.30	0.40	17.56	871.89	631.33
1/27	46	47.2400	3.8	.020	3.40	2.45	5.5	0.05	2.90	0.40			
1/27	1	55.2800	5.0	.083	12.20	7.15	2.0	0.10	2.50	0.33	17.29	908.00	618.42
2/12	2	39.7500	4.1	.057	6.95	4.30	3.1	0.10	2.25	0.24	5.36	204.32	41.24
2/26	3	54.9600	4.7	.030	9.60	4.50	1.8	0.05	1.80	0.25	7.25	379.73	147.11
2/26	4	52.6900	4.2	.035	8.55	4.48	1.8	0.05	1.50	0.16	6.18	311.95	87.19
2/26	5	48.9900	5.0	.033	8.15	4.40	1.3	0.10	1.25	0.25	5.60	260.33	54.22
4/9	6	52.5500	9.6	.035	19.60	11.96	2.0	0.05	3.40	0.16	31.10	1477.41	1105.02
4/23	7	60.7200	10.0	.030	16.90	10.24	2.1	0.05	2.50	0.16	25.34	1384.78	1004.48
4/23	8	63.7900	8.2	.035	17.35	7.35	1.5	0.20	3.30	0.16	19.42	1137.22	783.20
5/13	9	55.5000	7.6	.028	10.15	7.85	3.2	0.05	1.70	0.16	15.18	778.46	492.73
5/15	10	66.2200	10.0	.030	10.50	8.40	3.2	0.05	1.80	0.16	17.00	1013.17	660.06
5/25	11	56.7500	6.3	.020	6.00	3.60	1.5	0.10	1.75	0.25	2.36	125.49)	
6/16	12	57.1400	4.1	.033	7.45	3.60	2.3	0.10	4.20	0.25	3.65	200101)	
6/26	13	56.8100	4.1	.015	7.00	4.16	3.0	0.10	2.50	0.25	4.36	237.54)	
7/24	14	65.6800	8.0	.035	10.55	8.02	3.6	0.05	1.95	0.30	17.30	1045.36)	552.41

1953 PRODUCTION

1954 PRODUCTION: New Elkhorn Queen, Inc.

DATE 1954	LOT NO.	DRY TONS	H_2O	AU OZ	ASSAYS AG OZ	PB %	ZN %	CU %	AS %	SB %	NET SMELTER TON	NET SMELTER TOTAL	NET PROCEEDS
4/15	1	44.1495	4.5	.0675	10.68	7.3	2.0	.05	3.2	0.33	15.26	673.72	423.73
4/15	2	54.3775	5.2	.165	13.00	11.2	1.5	.10	1.5	0.24	28.94	1573.68	1170.13
4/27	3	27.3390	7.2	.08	16.50	15.8	1.3	.10	3.4	0.33	38.36	1048.72	886.45
4/28	4	58.6500	6.4	.135	13.35	10.0	2.4	.10	2.5	0.24	26.31	1543.08	1124.38
4/29	5	59.1460	6.4	.145	11.35	8.9	2.0	.05	3.3	0.30	22.16	1310.68	930.79
5/13	6	55.6525	8.3	.058	11.05	11.2	1.3	.05	2.90	0.58	24.78	1379.07	993.39
5/19	7	55.2735	8.0 b	.07	18.4	12.1	2.3	.05	2.4	0.81	34.56	1910.25	1452.99
6/11	8	44.0750	8.1	.05	18.75	14.5	2.6	.10	3.1	0.33	39.40	1736.56	1349.29
7/27	9	54.8385	8.8	.073	18.3	14.2	2.4	.10	2.4	0.84	39.33	2156.80	1689.13
8/3	10	54.6785	7.7	.075	18.6	12.5	1.9	.05	2.0	0.41	36.26	1982.64	1540.23
8/18	11	52.2975	9.3	.07	20.73	13.8	0.5	.05	2.2	0.15	40.78	2132.69	1671.70
9/29	12	51.4915	---	.05	14.1	12.5	2.0	.05	1.8	0.25	31.49	1621.47	1620.65
9/2	13	55.0955	7.2	.0425	13.05	8.8	3.5	.10	2.0	0.10	22.18	1222.02	872.27
9/29	14	53.6085	8.0	.07	21.85	12.1	2.2	.10	1.6	0.20	38.51	2064.46	1614.40
9/29	15	54.6805	8.3	.045	19.55	12.3	1.3	.05	2.8	0.65	36.20	1979.43	1536.35
10/8	16	49.0475	8.8	.0975	21.5	15.6	3.0	.05	2.6	0.19	47.95	2351.83	1869.08
10/18	17	54.5065	8.3	.075	14.85	11.9	1.7	.05	1.4	0.46	33.45	1823.24	1397.73
12/6	18	52.6325	7.5	.19	20.8	22.2	1.5	.05	2.0	0.19	66.91	3521.64	2890.66
12/6	19	55.3800	6.5	.05	18.7	8.2	1.8	.05	3.2	0.11	26.78	1483.08	1101.73
12/6	20	43.0465	6.4	.05	11.7	8.1	1.2	.03	2.0	0.16	20.82	896.23	633.38

1954 PRODUCTION



QUEEN MINE

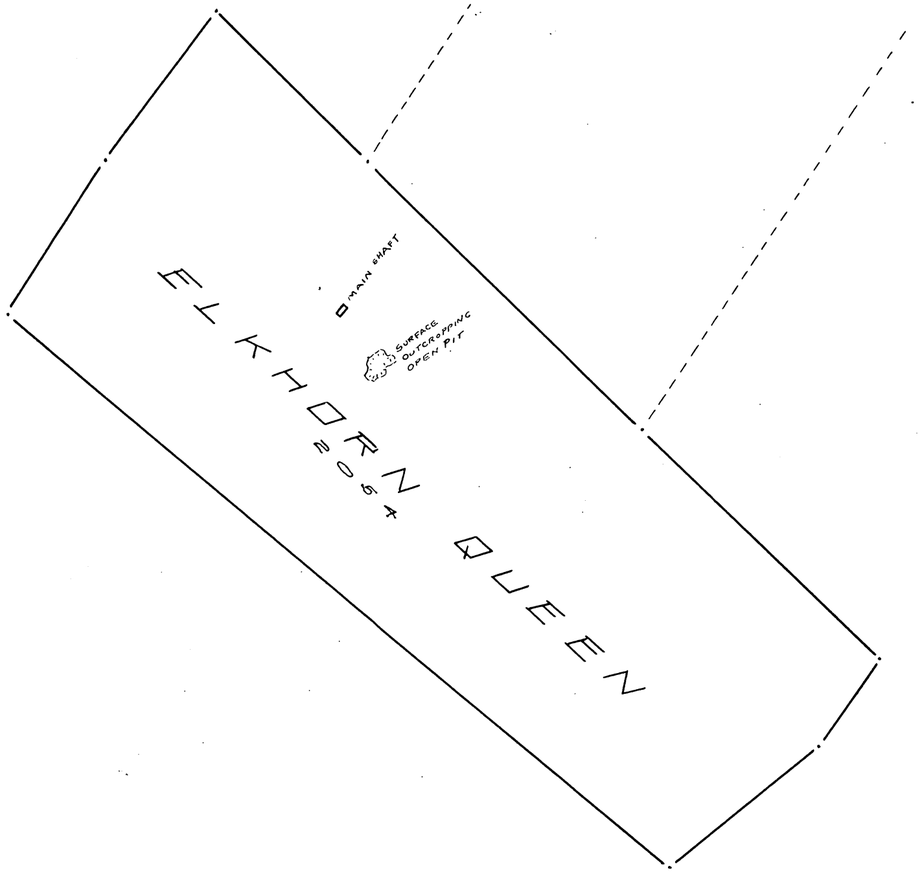
SHOWING

PROPOSED 700 PROGRAM

20 SCALE

PROPOSED 700 PROGRAM

RECEIVED
JUN - 6 1995



SEC. 26 · T.6 N. R.4 W.

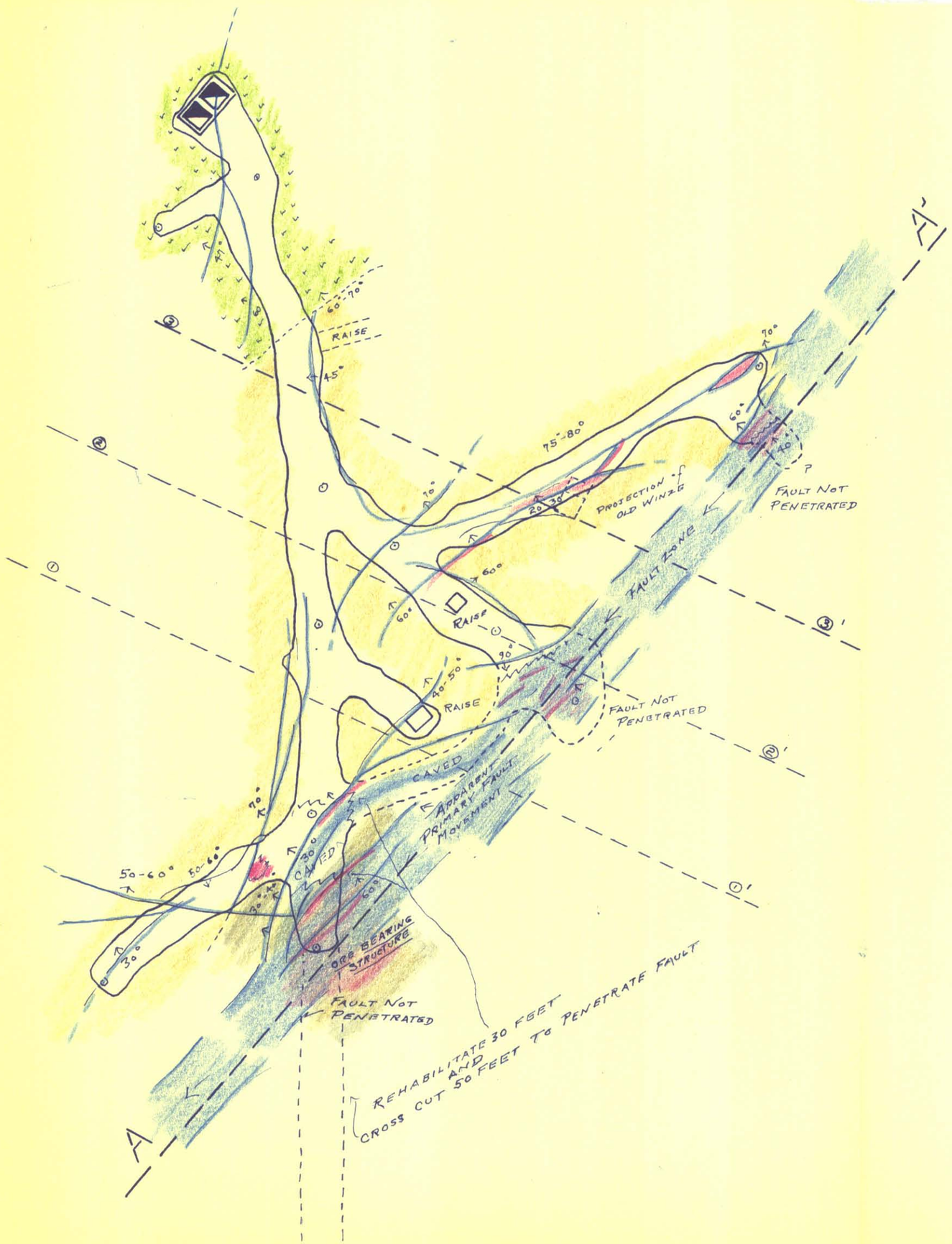
QUEEN MINE

CLAIM MAP

200 SCALE

RECEIVED
JUN - 6 1955

CLAIM MAP



LEGEND

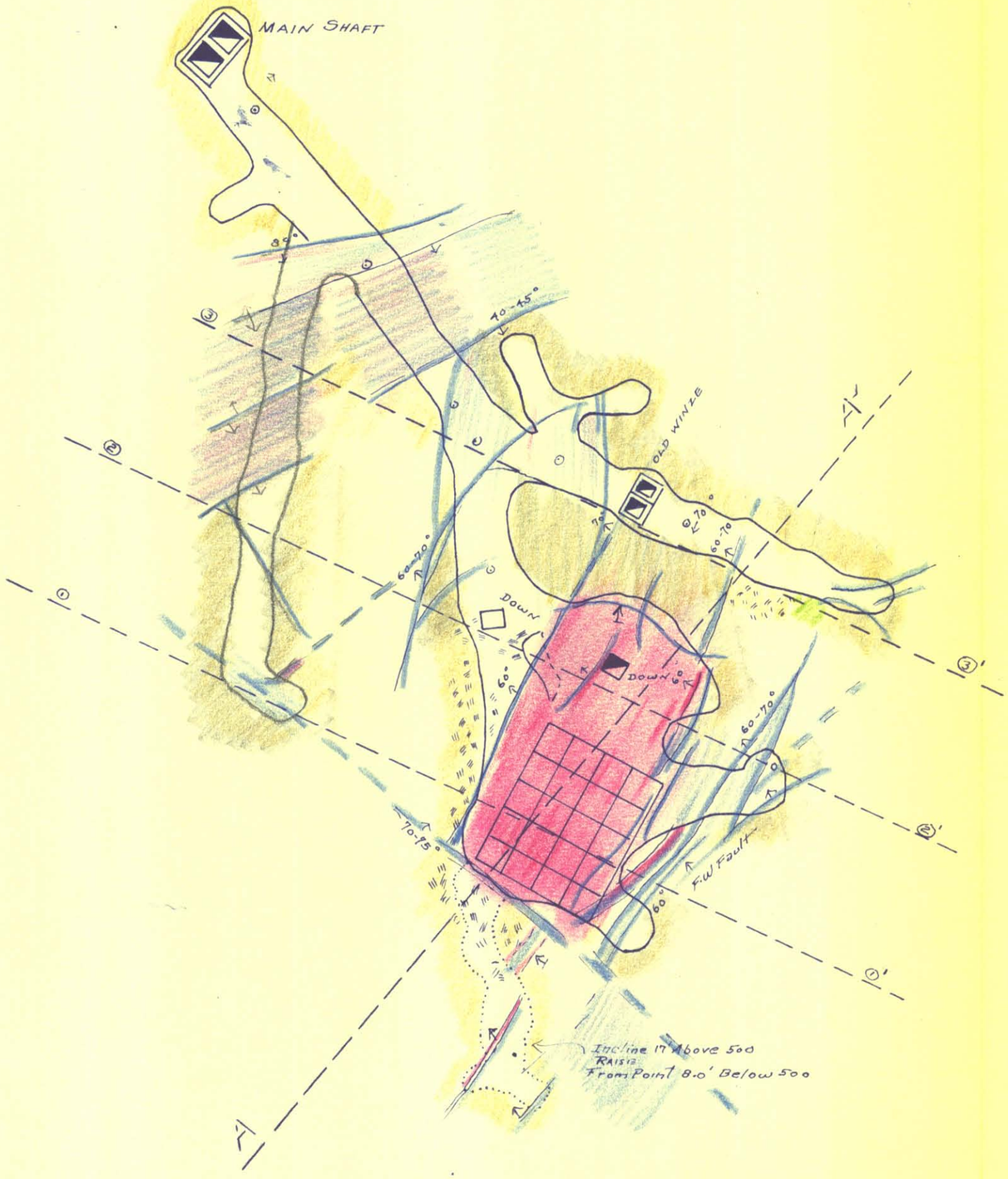
- DIORITE PORPHRY
- SHALE HORNFELS
- SLIPS - FAULTS
- ORE AND MINERAL STRUCTURE
- APPROXIMATE CONTACTS

QUEEN MINE

600 LEVEL

591 FEET DOWN

20 SCALE



LEGEND

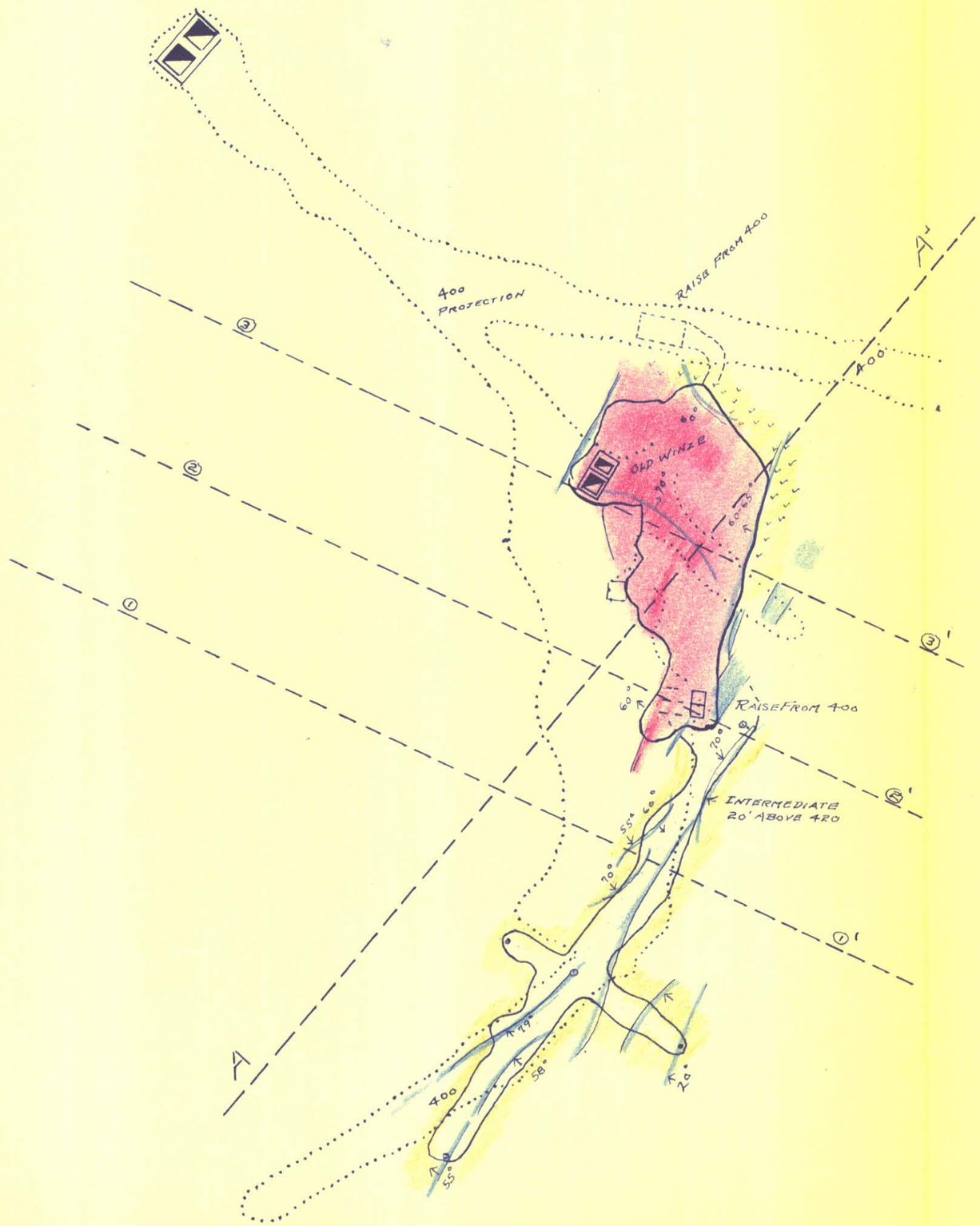
- DIORITE PORPHRY
- SHALE - HORNFELS
- SLIPS - FAULTS
- ORE AND MINERAL STRUCTURE
- APPROXIMATE CONTACTS

QUEEN MINE

500 LEVEL

510 FEET DOWN

20 SCALE



LEGEND

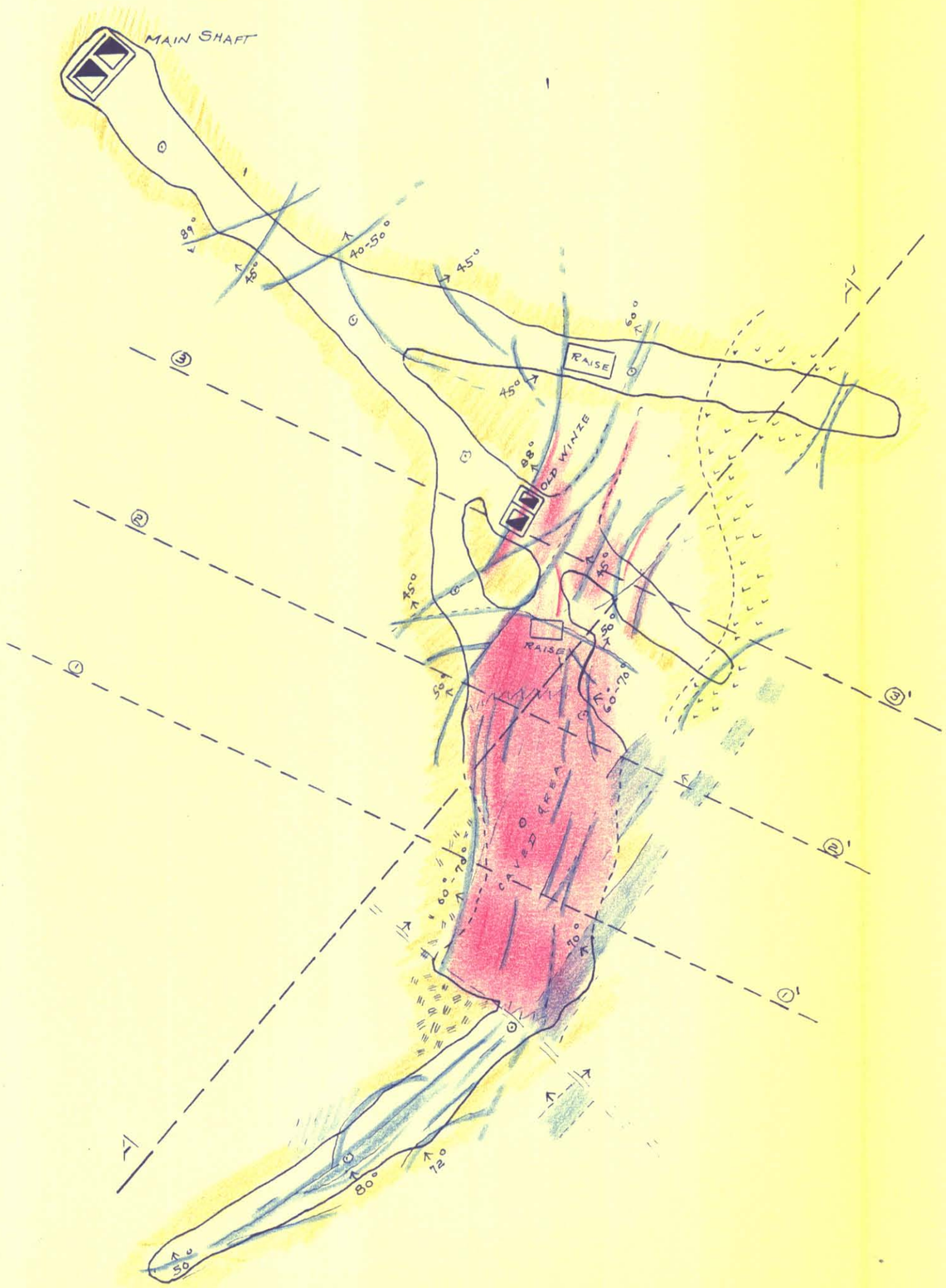
- DIORITE PORPHRY
- SHALE - HORNFELS
- SLIPS - FAULTS
- ORE AND MINERAL STRUCTURE
- APPROXIMATE CONTACTS

QUEEN MINE

420 LEVEL

INTERMEDIATE

20 SCALE



LEGEND

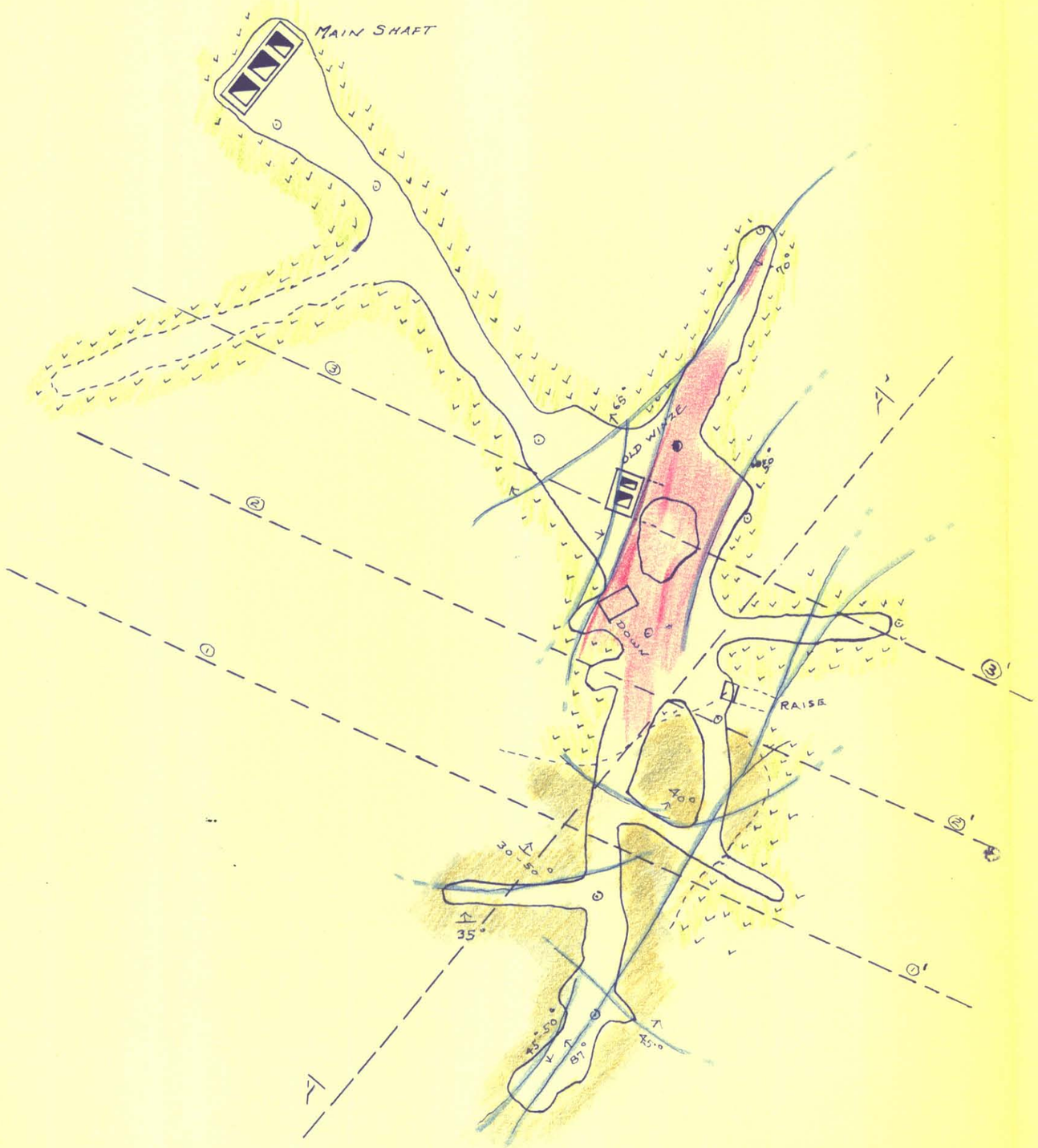
- DIORITE PORPHRY
- SHALE - HORNFELS
- SLIPS - FAULTS
- ORE AND MINERAL STRUCTURE
- APPROXIMATE CONTACTS

QUEEN MINE

400 LEVEL

470 FEET DOWN

20 SCALE



LEGEND

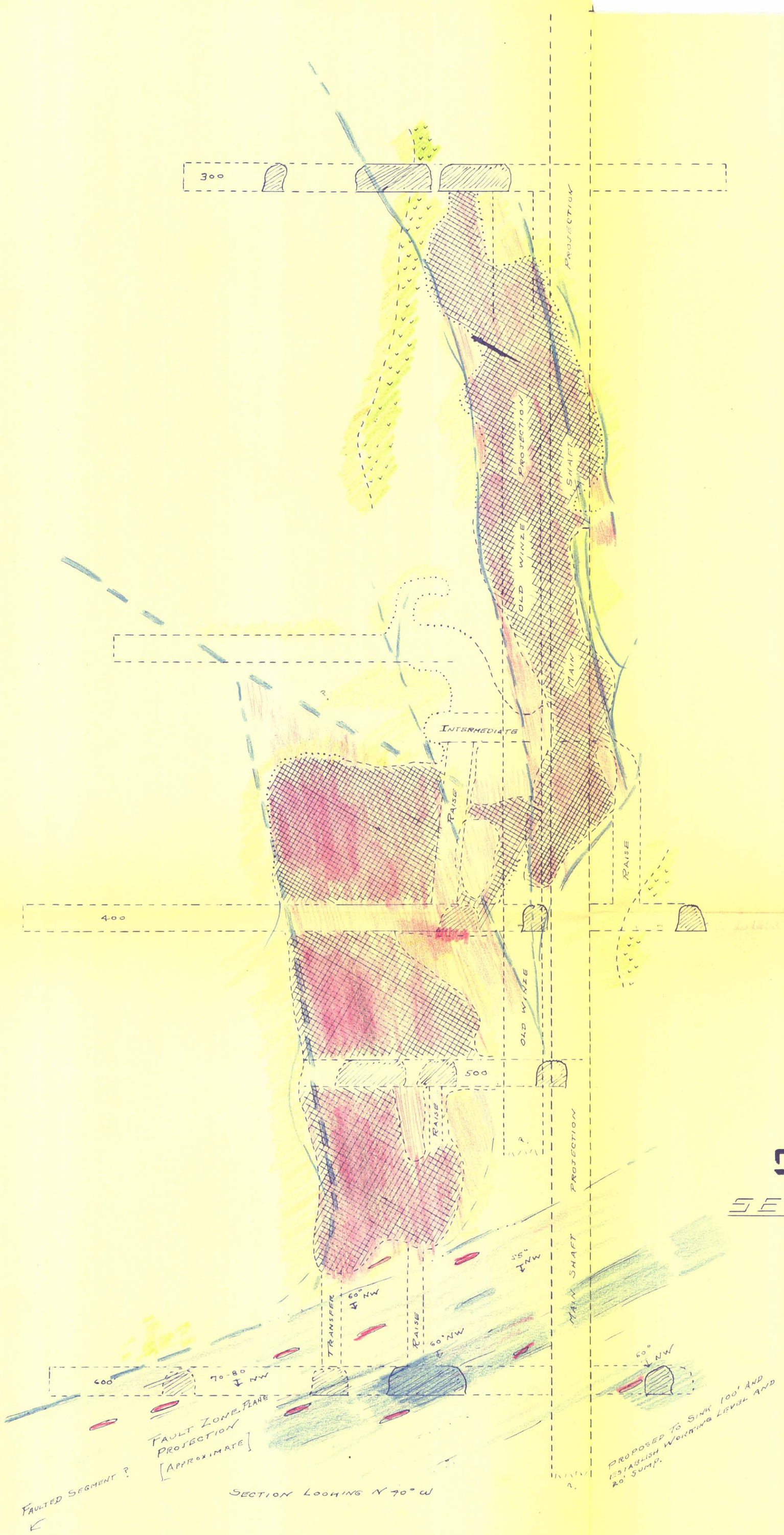
- DIORITE PORPHRY
- SHALE HORNFELS
- SLIPS - FAULTS
- ORE AND MINERAL STRUCTURE
- APPROXIMATE CONTACTS

QUEEN MINE

300 LEVEL

280 FEET DOWN

20 SCALE



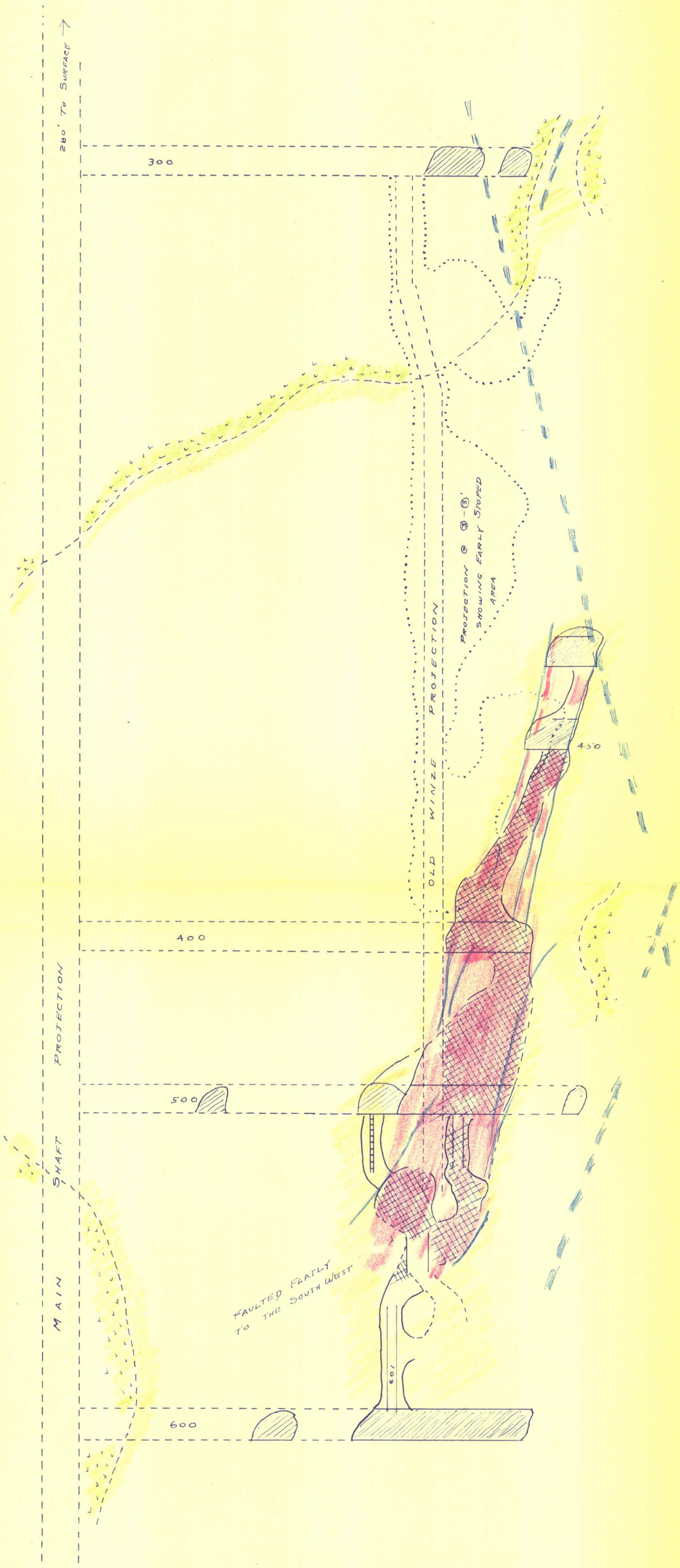
LEGEND

- APPROXIMATE STOPED AREA
- DIORITE PORPHRY
- SHALE HORNFELS
- SLIPS - FAULTS
- ORE AND MINERAL STRUCTURE
- APPROXIMATE CONTACTS

QUEEN MINE

SECTION THRU A-A'

20 SCALE



LEGEND

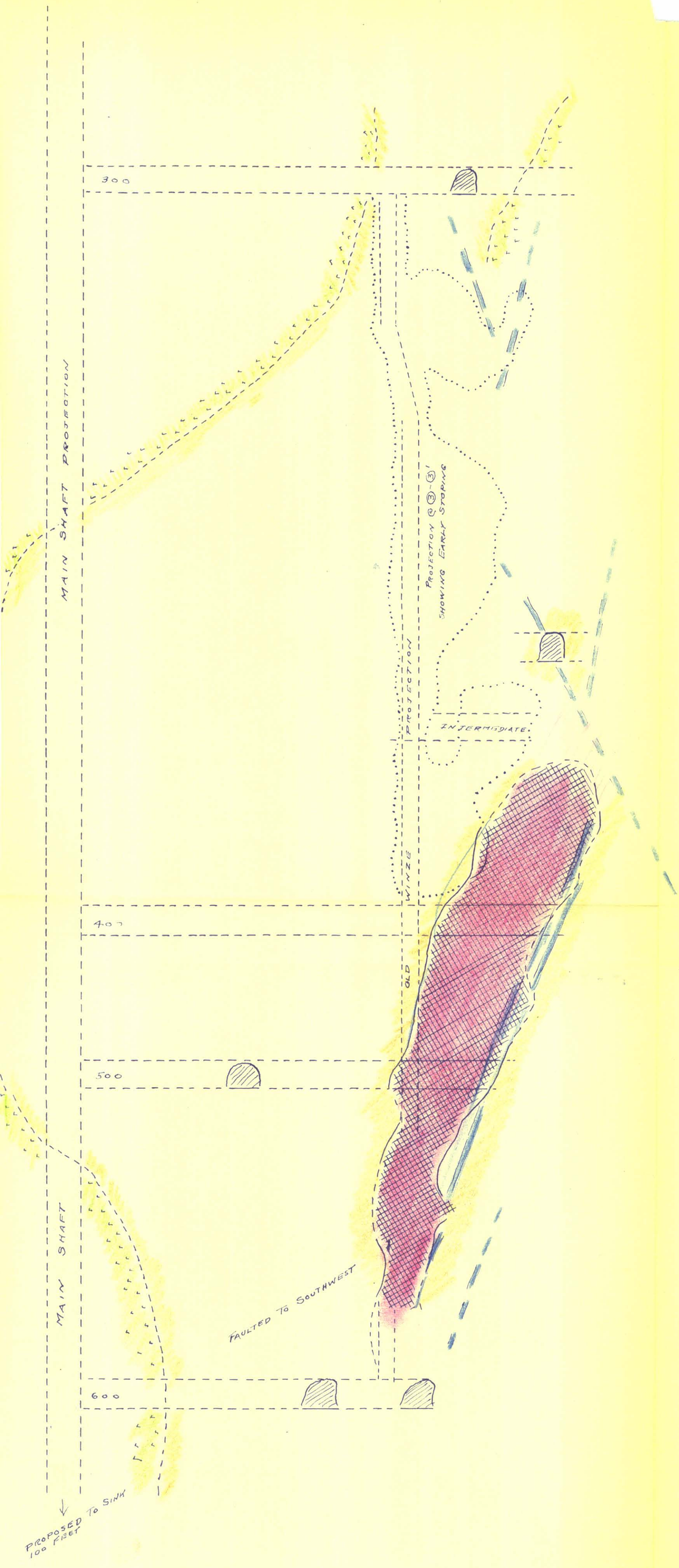
- APPROXIMATE STOPED AREA
- DIORITE PORPHRY
- SHALE - HORNFELS
- SLIPS - FAULTS
- ORE AND MINERAL STRUCTURE
- APPROXIMATE CONTACTS

QUEEN MINE

SECTION THRU 2-2'

20 SCALE

MAY - 1955



LEGENI:

- APPROXIMATE STOPED AREA
- DIORITE PORPHRY
- SHALE HORNFELS
- SLIPS - FAULTS
- ORE AND MINERAL STRUCTURE
- APPROXIMATE CONTACTS

QUEEN MINE

SECTION THRU J-J'

20 SCALE