Feb. 16 - 56

"Murph."

Re: DMEA-4103

Ben Shallit, when you met to-day, explored this prop. recently. Spent some $1000. Didn't think much of it. See me re-map with this app'ce. when time comes for action.

EWR

700
Surname copy

Murphy
Ellis

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

JUN 20 1956

Mr. W. C. Kinnon and Irene Kinnon
d/b/a Deer Trail Mining Company
28 E. Catalina Drive
Phoenix, Arizona

Re: Docket No. DMEA-4103 (Uranium)
Copper Kid claims
Maricopa County, Arizona

Dear Mr. Kinnon:

Reference is made to our letters of April 27 and June 11, 1956, wherein we advised you that unless the underground workings on your property were accessible for an examination by representatives of our Agency, we would consider the subject docket closed.

Since no advice has been received to date that the mine workings are accessible, we are closing the above-referenced docket effective June 27, 1956.

This is without prejudice to the merits of your proposed project. We regret the necessity of this action and express appreciation for your interest in the Defense Minerals Program during the period your application has been under consideration.

Sincerely yours,

G. O. Mittendorf (for)

Administrator

JMMurphy/ai
6-27-56
cc to: Admr.'s Reading File
Docket
Messrs. JECrawford, Rm. 3641
THKiilsgaard, Rm. 5224
JOHosted, Rm. 3210
DMEA Field Team, Region III (2)
Code 700
Mr. Murphy

R.C.S.

6/29/56

Docket file

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

RECEIVED
JUN 29 1956

224 New Customhouse
Denver 2, Colorado

June 27, 1956

Memorandum

To: Secretary to the Operating Committee, DMEA
Attention Administrator

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket DMEA 4103 (Uranium) Deer Trail Mining Company (Copper Kid claims) Maricopa County, Arizona

Attached are copies of a joint memorandum from Storms and Faick with further reference to the subject application.

This memorandum supplements the one dated June 18, transmitted to you by my memorandum of June 21. It is self-explanatory.

W. M. Traver

W. M. Traver

Attachments

MINERAL DEPOSITS
DMEA
RECEIVED
JUN 25 1956
U. S.
GEOLOGICAL SURVEY
DENVER, COLORADO

RECEIVED
JUN 29 1956

June 21, 1956

Memorandum

To : Executive Officer, DMEA Field Team, Region III

Through: E. N. Harshman

DMEA
Date Rec'd.
JUN 27 1956
BUREAU OF MINES
Denver, Colorado

From : Walter R. Storms, U. S. Bureau of Mines
John N. Faick, U. S. Geological Survey

Subject : Supplement to Memorandum of June 18, 1956; Docket DMEA-4103 (Uranium), Bear Trail Mining Co. (Copper Kid Claims) Maricopa County, Arizona

On June 20 Leonid Bryner returned to Tucson and through him we were able to verify the information given in our memo of June 18, regarding our conduct of the examination of the Copper Kid prospect. In addition to the data given in our memo we find that Bryner had called Kinnon at 2 different addresses in Phoenix, Ariz. on Feb. 14, 1956, and was able to talk to him by phone at the second address. The purpose of the call was to arrange an immediate field examination of his property, however, Kinnon declined to have the property examined then. Kinnon stated that he was leaving to attend the AIME meeting in New York and did not want the property examined until mid-March after he returned, because he wanted to accompany the examiners when they visited the property. Unfortunately we did not preserve a written record of this telephone conversation. Processing of this application is summarized as follows:

1. Jan. 12, 1956. Application received in Tucson.

2. Feb. 14, 1956. Bryner tried to arrange for immediate examination, but applicant requested postponement until about the middle of March.

3. March 23, 1956. Bryner wrote Kinnon to arrange for examination of the property.

4. March 30, 1956. Kinnon phoned Bryner to advise him that the lessee on the property had quit and that the new headings were flooded, and that the examination should be postponed until he could get a new lessee to reopen the mine.

CC W. M. Trever (8)
E. N. Harshman
J. N. Faick
DMEA-4103
DF

WRStorms:JNFaick:frj

It seems to us that if Kimmon were acting in good faith he would have arranged to have someone else accompany the examiners in his absence or would have permitted the examination to be made in his absence. The property had previously been examined and denied as BMLA 3699, therefore, our examiners were familiar with it.

Signed by Walter R. Storms

Walter R. Storms, Superintendent
Southwest Experiment Station

J. N. Faick

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

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

RECEIVED
JUN 29 1956

224 New Customhouse
Denver 2, Colorado

June 27, 1956

Memorandum

To: Secretary to the Operating Committee, DMEA
Attention Administrator

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket DMEA 4103 (Uranium) Deer Trail Mining Company (Copper Kid claims) Maricopa County, Arizona

Attached are copies of a joint memorandum from Storms and Faick with further reference to the subject application.

This memorandum supplements the one dated June 18, transmitted to you by my memorandum of June 21. It is self-explanatory.

W. M. TRAVER

W. M. Traver

Attachments

MINERAL DEPOSITS
DMEA
RECEIVED
JUN 25 1956
GEOLOGICAL SURVEY
DENVER, COLORADO

June 21, 1956

RECEIVED
JUN 29 1956
DMEA
Date Rec'd.
JUN 27 1956
BUREAU OF MINES
Denver, Colorado

Memorandum

To : Executive Officer, DMEA Field Team, Region III

Through: E. N. Harshman

From : Walter R. Sterns, U. S. Bureau of Mines
John N. Faick, U. S. Geological Survey

Subject : Supplement to Memorandum of June 18, 1956; Docket DMEA-4103 (Uranium), Bear Trail Mining Co. (Copper Kid Claims) Maricopa County, Arizona

On June 20 Leonid Bryner returned to Tucson and through him we were able to verify the information given in our memo of June 18, regarding our conduct of the examination of the Copper Kid prospect. In addition to the data given in our memo we find that Bryner had called Kinnan at 2 different addresses in Phoenix, Ariz. on Feb. 14, 1956, and was able to talk to him by phone at the second address. The purpose of the call was to arrange an immediate field examination of his property, however, Kinnan declined to have the property examined then. Kinnan stated that he was leaving to attend the AIME meeting in New York and did not want the property examined until mid-March after he returned, because he wanted to accompany the examiners when they visited the property. Unfortunately we did not preserve a written record of this telephone conversation. Processing of this application is summarized as follows:

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2. Feb. 14, 1956. Bryner tried to arrange for immediate examination, but applicant requested postponement until about the middle of March.

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4. March 30, 1956. Kinnan phoned Bryner to advise him that the lessee on the property had quit and that the new headings were flooded, and that the examination should be postponed until he could get a new lessee to reopen the mine.

CC W. M. Traver (8)
E. N. Harshman
J. N. Faick
DMEA-4103
BF

WRSterns:JNFaick:frj

RECEIVED
JUN 29 1956

It seems to us that if Kinnan were acting in good faith he would have arranged to have someone also accompany the examiners in his absence or would have permitted the examination to be made in his absence. The property had previously been examined and denied as DMEA 3649, therefore, our examiners were familiar with it.

Signed by Walter R. Storms

Walter R. Storms, Superintendent
Southwest Experiment Station

J. N. Faick

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

6-26-56

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

RECEIVED
JUN 25 1956

June 21, 1956

224 New Customhouse
Denver 2, Colorado

Memorandum

To: Secretary to the Operating Committee, DMEA (Attention Administrator)

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket DMEA 4103 (Uranium) Deer Trail Mining Company, (Copper Kid claims), Maricopa County, Arizona

Attached are two copies of a memorandum from Storms and Faick submitted in response to my memorandum of June 15, 1956 to them requesting additional information on the subject application.

I doubt if this memorandum will be of much assistance to the Administrator except that it definitely establishes the fact that Kinnon failed to notify either of the Tucson offices that the mine was accessible for examination between the time of his return from the New York A.I.M.E. meeting and March 30. His contact with Bryner (USGS) on that date apparently responded to letter written him on March 23.

W. M. Traver

W. M. Traver

Attachments

MINERAL DEPOSITS
DMEA
RECEIVED
JUN 20 1956
U. S.
GEOLOGICAL SURVEY
DENVER, COLORADO

RECEIVED
JUN 25 1956

June 18, 1956

DMEA
Date Rec'd.
JUN 20 1956
BUREAU OF MINES
Denver, Colorado

Memorandum

To : W. M. Travor, Executive Officer, DMEA Field Team, Region III

Through: E. N. Harshman

From : Walter R. Stearns, U. S. Bureau of Mines
John N. Faick, U. S. Geological Survey

Subject : Docket DMEA-6103 (Uranium), Bear Trail Mining Co. (Copper Kid Claims), Maricopa County, Ariz.

In answer to your memorandum of June 15, regarding the above application, we received this application in our Tucson office on January 13, 1956, but as T. M. Ramale of the Bureau of Mines was busy checking contract progress and making semi-annual inspections of certified projects, and John N. Faick and Leonid Bryner of the Geological Survey also were busy on other work, we could not schedule an examination of this property until February. During the latter part of January or early in February, W. G. Kinnan of the Bear Trail Mining Co. phoned us from Phoenix and told us that he wanted to visit the property at the same time as the DMEA examiners. He also said that he was going to attend the annual A.I.M.E. meeting in New York City during February and did not want the examiners to visit the property until he could go with them after the meeting. I also understood him to say that he would let us know when he returned to Phoenix.

On February 14, Leonid Bryner, formerly of the Geological Survey, called Kinnan in Phoenix twice, but whether or not Bryner talked to Kinnan, we do not know as Bryner has resigned from the Survey and at present is out of Tucson on a camping trip.

CC W. M. Travor (3)
E. N. Harshman
J. N. Faick
J. F. Shaw
DMEA-6103
BF

WRSterns-JNFaick:frj

Not having heard from Kinnon after the February A.I.M.E. meeting, Bryner finally wrote him at Phoenix on March 23 to arrange to examine the Copper Kid claims. However, Bryner did not hear from Kinnon until March 30 when he talked to Kinnon by telephone. At that time Kinnon stated that the Copper Kid property had filled with water to the top of the drift and was inaccessible. Ike Kunisto, the lessee, had pulled out and let the mine fill with water. A copy of Bryner's statement is attached. Kinnon told Bryner that he would let us or W. M. Traver know when he had another lessee to reopen the mine. On March 30, Mr. Faick and I wrote to the Executive Officer and recommended that this application be placed in the inactive file.

As already stated, W. C. Kinnon told us early in February (or late in January, as we have no record of our telephone conversation) that he would be in New York City during the A.I.M.E. convention and stressed the fact that he wanted to be with the DMEA examiners when they visited the mine. We also understood that he would let us know when he returned to Phoenix. Bryner of the Geological Survey finally wrote to Kinnon on March 23 and heard from him on March 30 (via Phone call).

T. M. Semple of the Bureau of Mines and L. Bryner of the Geological Survey had examined this same property in April 1955 after Kinnon had applied for DMEA exploration assistance (Docket DMEA-3599). At that time they stated: "Denial of the requested assistance in exploration of the deposit is recommended because known uranium and base metal mineralization is present in meager amounts and there is no reason to believe significant reserves of the minerals exist." In his statement of March 30, Bryner states: "AEC geologists have told me that Kinnon ran out of ore in the drift, which is the reason Kunisto pulled out."

Brochure is enclosed.

Signed by Walter R. Storms

Walter R. Storms, Superintendent
Southwest Experiment Station

John N. Faick

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

RECEIVED
JUN 25 1956
DMEA
Date Rec'd.
JUN 20 1956
BUREAU OF MINES
Denver, Colorado

Telephone Conversation re DMEA 4103 and 3692

I had a telephone conversation with W. G. Kinnan, March 30, 1956.

He stated that the Copper Kid property, now under application for a DMEA loan, has filled with water to the top of the drift (4½ feet below the collar). I told him we could not make a fair appraisal of the property with the new drift, where the values are supposed to be, inaccessible. He said the lessee (Ike Kunisto of Wickenburg) had pulled out because of not meeting the stipulation that total values of the ore be recovered, in this case silver, as well as uranium. Kinnan told me some of the ore run 60 oz. in silver. He wants to look for another lessee to open up the mine; says he will let us know when he accomplishes this. I suggested he write Trever to that effect. He agreed to do so.

AEC geologists have told me that Kinnan ran out of ore in the drift, which is the reason Kunisto pulled out.

L. Bryner
USGS

COPY

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

RECEIVED
JUN 25 1956

June 21, 1956

224 New Customhouse
Denver 2, Colorado

Memorandum

To: Secretary to the Operating Committee, DMEA (Attention Administrator)

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket DMEA 4103 (Uranium) Deer Trail Mining Company, (Copper Kid claims), Maricopa County, Arizona

Attached are two copies of a memorandum from Storms and Faick submitted in response to my memorandum of June 15, 1956 to them requesting additional information on the subject application.

I doubt if this memorandum will be of much assistance to the Administrator except that it definitely establishes the fact that Kinnan failed to notify either of the Tucson offices that the mine was accessible for examination between the time of his return from the New York A.I.M.E. meeting and March 30. His contact with Bryner (USGS) on that date apparently responded to letter written him on March 23.

W. M. TRAVER,

W. M. Traver

Attachments

MINERAL DEPOSITS
DMEA
RECEIVED
JUN 20 1956

RECEIVED
JUN 25 1956

DMEA
Date Rec'd.
JUN 20 1956
BUREAU OF MINES
Denver, Colorado

June 18, 1956

Memorandum

To : W. M. Traver, Executive Officer, DMEA Field Team, Region III

Through: E. N. Harshman

From : Walter R. Stoner, U. S. Bureau of Mines
John N. Faick, U. S. Geological Survey

Subject : Docket DMEA-4103 (Uranium), Bear Trail Mining Co. (Copper Kid Claims), Maricopa County, Ariz.

In answer to your memorandum of June 15, regarding the above application, we received this application in our Tucson office on January 18, 1956, but as T. M. Ramale of the Bureau of Mines was busy checking contract progress and making semi-annual inspections of certified projects, and John N. Faick and Leonid Bryner of the Geological Survey also were busy on other work, we could not schedule an examination of this property until February. During the latter part of January or early in February, W. C. Kinnan of the Bear Trail Mining Co. phoned me from Phoenix and told me that he wanted to visit the property at the same time as the DMEA examiners. He also said that he was going to attend the annual A.I.M.E. meeting in New York City during February and did not want the examiners to visit the property until he could go with them after the meeting. I also understood him to say that he would let us know when he returned to Phoenix.

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CC W. M. Traver (8)
E. N. Harshman
J. N. Faick
J. F. Shaw
DMEA-4103
DF

WRStorms-JNFaick:frj

DMEA
Date Rec'd.
JUN 20 1956
BUREAU OF MINES
Denver, Colorado

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Brochure is enclosed.

Signed by Walter R. Storms

Walter R. Storms, Superintendent
Southwest Experiment Station

John N. Faick

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

RECEIVED
JUN 25 1956

Telephone Conversation re NMA 4101 and 3592

I had a telephone conversation with W. C. Kinnan, March 30, 1956.

He stated that the Copper Kid property, now under application for a NMA loan, has filled with water to the top of the drift (41 feet below the collar). I told him we could not make a fair appraisal of the property with the new drift, where the values are supposed to be, inaccessible. He said the lessee (The Kusiato of Winkelberg) had pulled out because of not meeting the stipulation that total values of the ore be recovered, in this case silver, as well as uranium. Kinnan told me some of the ore run 60 oz. in silver. He wants to look for another lessee to open up the mine; says he will let us know when he accomplishes this. I suggested he write Trumer to that effect. He agreed to do so.

AEC geologists have told me that Kinnan ran out of ore in the drift, which is the reason Kusiato pulled out.

L. Bryner
USGS

COPY

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

RECEIVED
JUN 18 1956

224 New Customhouse
Denver 2, Colorado

June 15, 1956

Memorandum

To: W. R. Storms
J. N. Fuick

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket DMEA-4103 (Uranium) Deer Trail Mining Company, (Copper Kid claims), Maricopa County, Arizona

According to our records you have copies of all material concerned with the subject docket except the following which are enclosed:

1. Teletype March 19, 1956, W. M. Tanner to C. O. Mittendorf.

2. Letter E. W. Ellis to applicants, dated April 27, 1956.

3. Letter E. W. Ellis to applicants, dated June 11, 1956.

We were not furnished with a copy of the applicant's letter dated June 5, 1956, to the Washington office of DMEA and mentioned in 3 above. However, its topic is obvious.

Evidently the applicant is still giving the Administrator a rough time through his Congressman. In a telephone call yesterday (June 14) Mr. Mittendorf advises that Kinnon now claims that he maintained the mine in condition for an examination, with the workings dewatered from an undisclosed date through March 18, and that no attempt was made by field men to visit the property during that period.

Mr. Mittendorf called me regarding the cause for delay in making the examination which resulted in my teletype (1.).

After receipt of the joint field memorandum of March 30, by you, which was forwarded to the Secretary of the Operating Committee on April 3, I again reviewed the files and wrote the memorandum of April 5 to advise the Operating Committee and Administrator of what had previously transpired and the cause for the apparent delay in the field examination. You were supplied a copy of this memorandum.

RECEIVED

JUN 1 8 1956

Do either of your files contain anything in writing from the applicant requesting postponement of the examination or to show that at any time he (Kinnon) had the property dewatered and in condition for an examination?

Please furnish copies of any correspondence you may have from the applicant and submit another joint memorandum surveying progress of the application from the date of its receipt. It might be of interest to include in some detail the findings of the AEC in their examination and what success Kinnon is having in interesting other lessees.

Your prompt attention will be appreciated in order that we may forward the matter to the Administrator so he be relieved of further pressure from the Arizona congressman.

Please return the brochure with your memorandum.

W. M. TRAVER

W. M. Traver

Enclosures 3

WMT/pw

cc: Harshman (w/copies 2 and 3)
Sec.Op.Comm. (2) (Att: Administrator)
DMEA-4103
Chron

6-18-56

RECEIVED
JUN 18 1956

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

234 New Customhouse
Denver 2, Colorado

June 15, 1956

Memorandum

To: W. R. Storms
J. N. Fuick

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket DMEA-4183 (Uranium) Deer Trail Mining Company, (Copper Kid claims), Maricopa County, Arizona

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RECEIVED
JUN 18 1956

Do either of your files contain anything in writing from the applicant requesting postponement of the examination or to show that at any time he (Kinson) had the property developed and in condition for an examination?

Please furnish copies of any correspondence you may have from the applicant and submit another joint memorandum reviewing progress of the application from the date of its receipt. It might be of interest to include in some detail the findings of the AEC in their examination and what success Kinson is having in interesting other lessees.

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W. M. TRAVER

W. M. Traver

Enclosures 3

WMT/pw

cc: Harshman (w/copies 2 and 3)
Sec.Op.Comm. (2) (Att: Administrator)
DMEA-4103
Chron

COPY

TELETYPE

DN 235 BUR MINES 6-15-56 10-06

Secretary to Operating Committee, DMEA
Attn. C. O. Mittendorf

REURTELEPHONE CALL 6-14-56 DMEA-2771, CONTRACT IDM-E577, GRAMLICH EXPLORATION CO. FIND WE HAVE COPIES OF ALL CORRESPONDENCE REFERRED TO IN OUR FILES. WILL REQUEST FURTHER INFORMATION FROM FIELD REGARDING DELAY IN EXAMINATION OF DOCKET 4103, DEER TRAIL.

W. M. TRAVER

Surname Copy

Murphy
Ellis
Motheerton

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

JUN 11 1956

Mr. W. C. Kinnon and Irene Kinnon
d/b/a Deer Trail Mining Company
28 E. Catalina Drive
Phoenix, Arizona

Re: Docket No. DMEA-4103 (Uranium)
Copper Kid claims
Maricopa County, Arizona

Dear Mr. Kinnon:

This is to acknowledge your letter dated June 5, 1956, in which you request that the above-docketed application be kept in our active file because you expect to have the mine workings, on the subject claims, drained and open for examination by the fifteenth of November.

In our letter of April 27, 1956, we stated that if the mine workings were not accessible for an examination within sixty days (or June 27) we would consider the application withdrawn and the docket closed.

If after June 27, 1956, the mine workings are rehabilitated and made accessible, a new application should be submitted. The application should refer to the subject application and will either be filed by this Agency under the same or possibly a new docket number.

Sincerely yours,

Ernest Wm. Ellis, Chief
Rare and Miscellaneous
Metals Division

FMMurphy/ai
6-11-56
cc to: Admr.'s Reading File
Docket
Messrs. JECrawford, Rm. 3641
THKiilsgaard, Rm. 5224
JOHosted, Rm. 3210, GSA
DMEA Field Team, Region III (2)
Code 7-00, Mr. Murphy

R.S.I.

6-8-56

RECEIVED
JUN - 8 1956

June 5, 1956

Mr. Ernest Wm. Ellis, Chief
Rare & Miscellaneous Metals Division
Defense Minerals Exploration Administration
Department of the Interior
Washington 25, D.C.

Subject: DOCKET NO. DMEA-4103 (URANIUM)

Dear Mr. Ellis:

This is in reply to your letter of April 27, 1956, concerning the captioned application.

This application was acknowledged by Mr. W. R. Storms of the Bureau of Mines at Tucson on December 7, 1955. On March 26, 1956 I received a letter from Mr. Leonid Bryner, proposing his visit to the property on April 2nd.

The workings were clear of water to March 18. It is unfortunate that the examination could not have been made earlier.

I shall appreciate it if you will keep the application in your active file as I expect to operate the property next fall and will have the workings drained and open for examination by the 15th. of November.

Very truly yours,

W.C. Kinnon

WCKinnon/rf

Surname copy

700
Murphy
Ellis
Matthews

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

APR 27 1956

Mr. W. C. Kinnon and Irene Kinnon
d/b/a Deer Trail Mining Company
28 E. Catalina Drive
Phoenix, Arizona

Re: Docket No. DMEA-4103 (Uranium)
Copper Kid claims
Maricopa County, Arizona

Dear Mr. Kinnon:

The captioned application was referred to Region III Field Team on January 4, 1956, for a field examination and recommendation.

We have been advised that the examination was deferred until the latter part of March at your request. On March 30, 1956, Mr. Leonid Bryner, a staff member of the Field Team, was advised by you in the course of a telephone conversation, that the mine workings were now flooded and inaccessible.

We prefer not to hold applications in abeyance for an indefinite period. Therefore, if your property is not accessible for an examination within sixty days, we shall consider the subject application as being withdrawn and close the docket.

Sincerely yours,

SIGNED

Ernest Wm. Ellis, Chief
Rare and Miscellaneous
Metals Division

FMMurphy/gla
4-27-56
cc to: Admr.'s Reading File
Docket
Messrs. JECrawford, Rm. 3641
THKiilsgaard, Rm. 5224
JOHosted, Rm. 3210, GSA
Code 700, Mr. Murphy
DMEA Field Team, Region III (2)

Rnl

4-9-56

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

RECEIVED
APR 9 - 1956

224 New Customhouse
Denver 2, Colorado

April 5, 1956

Memorandum

To: Chairman of the Operating Committee, DMEA

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket DMEA-4103 (formerly DMEA-3699) (Uranium)
Deer Trail Mining Company (Copper Kid claims)
Maricopa County, Arizona

Reference is made to my teletype of March 19, 1956 to the Administrator regarding delay in field examination under the subject docket.

The following is quoted from the monthly report of the Superintendent of the Southwest Experiment Station, dated April 2, 1956 and received in this office April 4:

"Applicant has asked that examination be postponed indefinitely as the mine now is full of water".

The weekly report from the USGS confirms the quoted statement.

I believe the Administrator had inquiries from the Arizona congressmen regarding the status of this application and probably may want to advise them of the present situation.

W. M. Traver

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

RECEIVED
APR 9 - 1956

224 New Customhouse
Denver 2, Colorado

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From: Executive Officer, DMEA Field Team, Region III

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I believe the Administrator had inquiries from the Arizona congressmen regarding the status of this application and probably may want to advise them of the present situation.

W. M. TRAVER

W. M. Traver

4-12-56

RECEIVED
APR 6 - 1956

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

April 3, 1956

224 New Customhouse
Denver 2, Colorado

Memorandum

To: Secretary to the Operating Committee, DMEA

From: Field Team, Region III

Subject: Docket DMEA 4103 (Uranium), W. C. Kinnon, (Copper Kid claims) Maricopa County, Arizona

Enclosed are the original and three copies of a memorandum from John N. Faick, Geological Survey, and W. R. Storms, Bureau of Mines, describing their attempt to examine the subject property. We recommend that the docket be closed. Should the workings be made accessible for examination at some future date, a new application would receive proper consideration.

DMEA Field Team, Region III

W. M. Traver

By W. M. Traver
Executive Officer

Enclosures

Reviewed by
DMEA OPERATING COMMITTEE
4-11-56
(date)

DMEA
IN REPLY REFER TO:

Rec'd.
APR 3 1956
BUREAU OF MINES
Denver, Colorado

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
Defense Minerals Exploration Administration
Denver Federal Center
Denver, Colorado

April 2, 1956

RECEIVED
APR 6 - 1956

Memorandum

To: Executive Officer, DMEA Field Team, Region III

From: E. N. Harshman

Subject: DMEA Docket 4103 (Uranium), W. C. Kinnon (Copper Kid claims), Maricopa County, Arizona

Enclosed are the original and eight copies of a memorandum from John N. Faick, Geological Survey, and W. R. Storms, Bureau of Mines, describing their attempt to examine the subject property and recommending that the application be placed in the inactive files.

The application was referred to the Tucson office by your letter of January 9, 1956, and examination of the property was deferred until the latter part of March at the specific request of the applicant. It appears that the underground workings are not accessible and that information in addition to that obtained during the prior examination (DMEA 3699) cannot be secured by a re-examination.

From data obtained from the A. E. C. and from the fact that the workings were allowed to flood, it appears that the workings do not contain significant amounts of uranium ore and that the denial recommendation made under DMEA Docket 3699 is justified.

I suggest that the docket be closed. Should the workings be made accessible for examination at some future date, a new application would be accepted for processing.

E. N. Harshman
E. N. Harshman
Member, Field Team

Enclosures (9)

Reviewed by
DMEA OPERATING COMMITTEE
4-11-56
(date)

IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

DMEA
Date Rec'd.
APR 3 1956

Box 4126 University Station
Tucson, Arizona

BUREAU OF MINES
Denver, Colorado
RECEIVED
APR 6 - 1956

March 30, 1956

MEMORANDUM

To: Executive Officer, DMEA Field Team Region III

From: John N. Faick
W. R. Storms

Through E. N. Harshman EMH

Subject: Docket DMEA 4103 (and 3699), (Uranium),
W. C. Kinnon, Copper Kid Claims,
Maricopa County, Arizona

Leonid Bryner talked by phone to Mr. Kinnon today, to make final arrangements to examine the Copper Kid claims, and learned that the workings were now flooded and inaccessible. This property had been leased by Kinnon to Ike Kusisto, who locally is well known as a competent operator and contractor. Kusisto rehabilitated some of the workings and drove a few feet of drift and abandoned the operation. He quit, according to Kinnon, because he could not meet a stipulation in the lease that all values in the ore were to be recovered, i.e., silver and uranium. AEC geologists say Kusisto quit when he ran out of ore in the drift.

Apparently Kinnon does not intend to work the Copper Kid property but is now looking for another lessee to reopen the workings. As these are now inaccessible and as the property has previously been denied as DMEA 3699, and as little new work has been done since the first examination, we can see little reason to keep this application active. Kinnon apparently intends to do more work on the property but we do not know when this will be.

We recommend that this application be placed in the inactive files.

John N. Faick
John N. Faick

JNF:ms

Lenorth A Stewart for Walter R. Storms
Walter R. Storms

cc: Harshman (8)
Storms
DMEA

Reviewed by
DMEA OPERATING COMMITTEE

(8233)

4-9-56

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

April 3, 1956

224 New Customhouse
Denver 2, Colorado

RECEIVED
APR 6 - 1956

Memorandum

To: Secretary to the Operating Committee, DMEA

From: Field Team, Region III

Subject: Docket DMEA 4103 (Uranium), W. C. Kinnon, (Copper Kid claims) Maricopa County, Arizona

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DMEA Field Team, Region III

W. M. TRAVER,

By W. M. Traver
Executive Officer

Enclosures

Reviewed by
DMEA OPERATING COMMITTEE

(date)

IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

DMEA
Doc. Rec'd.
APR 3 1956
BUREAU OF MINES
Denver, Colorado

Defense Minerals Exploration Administration
Denver Federal Center
Denver, Colorado

April 2, 1956

Memorandum

RECEIVED
APR 6 - 1956

To: Executive Officer, DMEA Field Team, Region III

From: E. N. Harshman

Subject: DMEA Docket 4103 (Uranium), W. C. Kinnon (Copper-Kid claims), Maricopa County, Arizona

Enclosed are the original and eight copies of a memorandum from John N. Faick, Geological Survey, and W. R. Storms, Bureau of Mines, describing their attempt to examine the subject property and recommending that the application be placed in the inactive files.

The application was referred to the Tucson office by your letter of January 9, 1956, and examination of the property was deferred until the latter part of March at the specific request of the applicant. It appears that the underground workings are not accessible and that information in addition to that obtained during the prior examination (DMEA 3699) cannot be secured by a re-examination.

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E. N. Harshman
Member, Field Team

Enclosures (9)
ENHarshman:mp

Reviewed by
DMEA OPERATING COMMITTEE

(date)

DMEA
Dmn Rec'd.

APR 3 1956

BUREAU OF MINES
Denver, Colorado

Box 4125 University Station
Tucson, Arizona

March 30, 1956

RECEIVED
APR 6 - 1956

MEMORANDUM

To: Executive Officer, DMEA Field Team Region III

From: John H. Faick
W. K. Storms

Through E. N. Harshman

Subject: Docket DMEA 4103 (and 3699), (Uranium),
W. C. Kinnon, Copper Kid Claims,
Maricopa County, Arizona

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We recommend that this application be placed in the inactive files.

John H. Faick
John H. Faick

JHF:ms

Lincoln A Stewart for Walter K Storms
Walter K. Storms

cc: Harshman (8)
Storms
DMEA

Reviewed by
DMEA OPERATING COMMITTEE

(date)

C. O. Mittendorf Docket

RECEIVED
MAR 20 1956

DN 235 BUR MINES 3-19-56 4-33

C O MITTENDORF, ADMINISTRATOR, DMEA

REUR TELEPHONE INQUIRY 3-19-56 ABOUT DELAY IN FIELD EXAMINATION OF DOCKET DMEA-4103. APPLICANT REQUESTED DEFERMENT UNTIL AT LEAST MID-MARCH.

W M TRAVER

Denver, Colo.

W M TRAVER

1-17-56 [illegible]

RECEIVED
JAN 16 1956

January 10, 1956

Memorandum

To: W. R. Storms

From: Superintendent, Denver Experiment Station, Reg. III

Subject: Docket DMEA 4103 (Uranium), Deer Trail Mining Company, Copper Kid claims, Maricopa County, Arizona

The subject application in the amount of $14,775.00 is enclosed.

A field examination and suitable report are required. The completed report should be forwarded directly to the Executive Officer, with a copy of the memorandum of transmittal to this office.

JOHN F. SHAW

John F. Shaw

Enclosures

cc: W. M. Traver (3)
E. N. Marshman
J. N. Faick
Sec. Op. Com. (2)

RECEIVED
JAN 16 1956

January 13, 1956

Memorandum

To: W. R. Storms

From: Superintendent, Denver Experiment Station, Reg. III

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JOHN F. SHAW

John F. Shaw

Enclosures

cc: W. M. Traver (3)
E. N. Harshman
J. M. Faick
Sec. Op. Com. (2)

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

RECEIVED
JAN 12 1956

January 9, 1956

224 New Customhouse
Denver 2, Colorado

Memorandum

To: J. F. Shaw (with brochure)
J. N. Faick

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket DMEA 4103 (Uranium), Deer Trail Mining Company, Copper Kid claims, Maricopa County, Arizona

Enclosed is the subject application in the amount of $14,775.00. Also attached is a copy of a letter from the Chairman of the Operating Committee and memoranda of review of the application by John E. Crawford and N. E. Nelson.

A field examination and suitable report are requested.

W. M. Traver

W. M. Traver

Enclosures

HMC:ab

cc: Sec. Op. Comm. (2)
Harshman
Docket 4103
Chron.

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

RECEIVED
JAN 12 1956

January 9, 1956

224 New Customhouse
Denver 2, Colorado

Memorandum

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J. N. Faick

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W. M. Traver

W. M. Traver

Enclosures

HMC:ab

cc: Sec. Op. Comm. (2)
Harshman
Docket 4103
Chron.

Surname copy 700

Murphy
Ellis
Kulsgaard
Geehan
Selfridge
Fl Johnson

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

JAN 4 1956

Deer Trail Mining Company
28 E. Catalina Drive
Phoenix, Arizona

Re: Docket No. DMEA-4103 (Uranium)
Copper Kid claims
Maricopa County, Arizona

Gentlemen:

The application for assistance in exploring the subject claims in Maricopa County, Arizona, under the captioned docket number, has been reviewed by the Rare and Miscellaneous Metals Division of the Defense Minerals Exploration Administration. It has been referred for a field examination to the Executive Officer of Region III at the following address:

Mr. W. M. Traver
Executive Officer
DMEA Field Team, Region III
224 New Customhouse Building
Denver 2, Colorado

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

Sincerely yours,

C. O. Marrs (for)

Administrator

FMMurphy/gla
1-3-56
cc to: Admr.'s Reading File
Docket
Code 700
Mr. Murphy
DMEA Field Team, Region III (2)

Surname copy

Murphy 700
Ellis
Selfridge
Fitzsimons

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

Mr. W. M. Traver
Executive Officer
DMEA Field Team, Region III
224 New Customhouse Building
Denver 2, Colorado

JAN 4 1956

Re: Docket No. DMEA-4103 (Uranium)
Deer Trail Mining Company
Copper Kid claims
Maricopa County, Arizona

Dear Mr. Traver:

The captioned application is referred to Region III Field Team for investigation, a field examination, and recommendation. A copy of the application was retained by your office.

Enclosed are copies of memoranda, dated December 28, 1955, by J. E. Crawford, USBM, and N. E. Nelson, USGS, relating to the subject application.

A previous application, DMEA-3699, for exploration aid was denied June 16, 1955. However, the owners of the property have now unwatered and cleaned out a shaft that was only partially accessible at the time the field examination was made on April 13 and 14, 1955. Therefore, a reappraisal of the possibilities of the property appears to be indicated.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee (GLB)

Enclosures

APPROVED:

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

Thor H. Kiilsgaard (GLB)
Member, Geological Survey

FMMurphy/gla
1-3-56

cc to: Admr.'s Reading File
Operating Committee
Docket
Messrs. JECrawford, Rm. 3641
THKiilsgaard, Rm. 5224
JOHosted, Rm. 3210, GSA
Code 700
Mr. Murphy

C

12-29-55 dlgm

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

RECEIVED
DEC 29 1955

December 28, 1955

Memorandum

To: Ernest William Ellis, DMEA Member
Uranium Commodity Committee, Room 4445

From: John E. Crawford, Bureau of Mines Member
Uranium Commodity Committee

Subject: Application for assistance, DMEA Docket 4103, Deer Trail Mining Company, Copper Kid Claims, Maricopa County, Arizona

I have reviewed the attached application of the Deer Trail Mining Company, DMEA Docket 4103, dated December 3 and received in this office December 22. I have also discussed it with Joseph O. Hosted, Washington representative of the Atomic Energy Commission.

The applicant has requested Federal assistance to explore for uranium on 6 unpatented mining claims in Maricopa County, Arizona. The proposed exploration project consists of extending the existing inclined shaft (73 degrees) an additional 160 feet at $75 per foot of shaft and drifting and crosscutting on the 100-foot and 200-foot levels for a total of 420 feet at $30 per foot. The total estimated cost of the program is $14,775.

A previous application for DMEA assistance (Docket 3699) concerning the same property was denied because of the insignificant amount of mineralization showing on the surface. Inasmuch as subsequent work by the applicant has shown indications that economic-grade material may exist in the now dewatered inclined shaft, perhaps the property would merit a field examination.

We recommend that the application be sent to the field for review and examination if warranted, and that the field team consult with E. E. Thurlow, Chief, Atomic Energy Commission, Salt Lake City.

John E. Crawford

Attachment

12-30-55 [illegible]

IN REPLY REFER TO:

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

December 28, 1955

RECEIVED
DEC 30 1955

Re: DMEA 4103
Deer Trail Mining Co.
W. C. Kinnon
Copper Kid Mine
Maricopa County, Arizona
$14,775.00 Uranium

Memorandum

To: E. W. Ellis, Defense Minerals Exploration Administration

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

Subject: Review of application.

The application pertains to the same prospect as did application No. 3699, which was denied on recommendation of the Field Team after an examination of near surface workings.

Following the denial (about June 1955) the applicant, a mining engineer, cleaned out and unwatered the shaft and drifts and crosscuts at the 43 level.

Sampling results submitted in this application would seem to suggest the existance of significant uranium mineralization, along with silver and lead, as:

	.12% eU_3O_8	
43' level silicified schist 16" (Wright)	.15% eU_3O_8	11.1 Oz Ag 3.2% Pb
43" level across F.W. 9" (Wright)	.49% eU_3O_8	74 Oz Ag 5.22% Pb
43' level across F.W. 36" (Manning)	.20% eU_3O_8	15.4 oz Ag 8.0% Pb

Several assays were reported in the first application, No. 3699, one, from the dump, as high as 4.8% eU_3O_8. The best sample taken by the examiners gave 0.04% eU_3O_8. It came from a veinlet in the shaft, 1 to 2 inches wide and about 1.5 feet in vertical extent. Just why there should be such a wide difference is not apparent, but the lack of confirmation in the first instance suggests there will again be a lack of agreement.

As a result of the cleanup work done without assistance, the applicant now proposes doubling the exploratory work. That the outlook is now more favorable may be questioned.

An evaluation of the new information by the examiners and Field Team is needed and referral is recommended.

N. E. Nelson

N. E. Nelson

IN REPLY REFER TO:

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

December 28, 1955

Re: DMEA 4103
Deer Trail Mining Co.
W. C. Kinnan
Copper King Mine
Maricopa County, Arizona
$14,775.00 Uranium

RECEIVED
DEC 30 1955

Memorandum

To: E. W. Ellis, Defense Minerals Exploration Administration

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

Subject: Review of application.

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		.12% eU_3O_8	
43' level	silicified schist 16" (Wright)	.15% eU_3O_8	11.1 Oz Ag 3.2% Pb
43" level	across F.W. 9" (Wright)	.49% eU_3O_8	7% Oz Ag 5.22% Pb
43' level	across F.W. 36" (Manning)	.20% eU_3O_8	15.4 oz Ag 8.0% Pb

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An evaluation of the new information by the examiners and Field Team is needed and referral is recommended.

N. E. Nelson

N. E. Nelson

cc: Director's reading 4212
Branch reading 4212
DMEA (3)
Docket file

J.E.Crawford, 3641 Int.
J. O. Rostad, 3210 GSA

NENelson:jeh
G-12/27/55

December 21, 1955
Subject: DMEA-4103
Re: Exploration Assistance
Copper Kid

Deer Trail Mining Company
28 E. Catalina Dr.
Phoenix, Arizona

Gentlemen:

The receipt of your application dated December 3, 1955, for exploration assistance under the Defense Production Act of 1950, as amended, is hereby acknowledged.

Your application has been assigned Docket Number DMEA-4103 and referred to the Rare & Misc. 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

Memorandum

To: Executive Officer, DMEA Field Team, Region III

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 III.

DMEA - 4103 Deer Trail Mining Company

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

DEER TRAIL MINING COMPANY

December 3, 1955

RECEIVED
DEC 10 1955

Defense Minerals Exploration Administration
Department of the Interior
U. S. Bureau of Mines
Box 4097, University Station
Tucson, Arizona.

Subject: Docket No.- 3699 (uranium) Copper Kid Claims
Maricopa County, Arizona

Gentlemen:

Attached in quadruplicate is a Re-Application For Aid In An Exploration Project, form MF-103, which is being submitted on the basis of recent exploration work at the property. The new mineral and geological findings warrant a re-appraisal of the property.

Also attached, for your consideration is a report by an independent mining man who with his mining engineer thoroughly examined the property.

Please note that the contract if granted, is to be in the name of the Deer Trail Mining Company.

Thanking you for attention to this Re-Application,

Yours very truly,

W. C. Kinnon

W. C. Kinnon

U. S. Bureau of Mines
Southwest Experiment Station
DEC 6 1955
Tucson, Arizona

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

RECEIVED
DEC 16 1955

December 13, 1955

224 New Customhouse
Denver 2, Colorado

Memorandum

To: Secretary to the Operating Committee, DMEA

From: Acting Executive Officer, DMEA Field Team, Region III

Subject: Application for DMEA Aid (Uranium), W. C. Kinnon and Irene Kinnon dba Deer Trail Mining Company, Copper Kid Mine, Maricopa County, Arizona

Enclosed are three copies of the subject application in the amount of $14,775.00. One copy of the application is being retained in our files.

It is noted that this application for DMEA aid is on the same property as Docket No. DMEA 3699 which was denied by your letter of June 16, 1955.

E. N. Harshman

E. N. Harshman

Enclosures

DEER TRAIL MINING COMPANY

December 3, 1955

RECEIVED
DEC 1 0 1955

Defense Minerals Exploration Administration
Department of the Interior
U. S. Bureau of Mines
Box 4097, University Station
Tucson, Arizona.

Subject: Docket No.- 3699 (uranium) Copper Kid Claims
Maricopa County, Arizona

Gentlemen:

Attached in quadruplicate is a Re-Application For Aid In An Exploration Project, form MT-103, which is being submitted on the basis of recent exploration work at the property. The new mineral and geological findings warrant a re-appraisal of the property.

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Please note that the contract if granted, is to be in the name of the Deer Trail Mining Company.

Thanking you for attention to this Re-Application,

Yours very truly,

W. O. Kinnon

W. O. Kinnon

U. S. Bureau of Mines
Southwest Experiment Station
DEC 6 1955
Tucson, Arizona

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

DEC 16 1955

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-4103
Metal or Mineral Uranium
Date Received 12-16-55
Estimated Cost $14,775.00
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: W. C. Kinnon and Irene Kinnon dba Deer Trail Mining Company
28 E. Catalina Dr., Phoenix, Arizona

(*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 see sheet No. 1 attached

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

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

(*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 none

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

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. see sheet No. 1 attached

(*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. see sheets Nos 1 & 2 attached also Nos 2 & 3 of origional application

(*d*) State the facts with respect to the accessibility of the project: Access roads, distances to shipping, supply and residence points. see sheet No. 3 of the origional application

(*e*) State the availability of manpower, materials, supplies, equipment, water, and power. see sheet No. 3 of the origional application

16—66551-1

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

(*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 30 days and be completed within 10 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. See answer No. 3 of the original application

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.). see sheet No. 3 attached

(*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. see sheet No. 3 attached

(*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. see sheet No. 3 attached

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)? yes

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

[X] Money [ ] 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 December 3, 195 5

Deer Trail Mining Company
(Applicant)

By M. C. Simon

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

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DEC 16 1955

3. Applicant's property rights.- (a)

The property comprises six (6) unpatented lode mining claims in a group all of which are located in T. 6N., R. 4 E., section 10 and recorded in Maricopa County, State of arizona as follows:

Copper Kid	(amended)	recorded	in	Docket	1508	Page	591
Copper Kid No. 1	(amended)	"	"	"	1588	"	357
Copper Kid No. 2	(amended)	"	"	"	1511	"	135
Copper Kid No. 3	(amended)	"	"	"	1523	"	580
Copper Kid No. 4		"	"	"	1508	"	592
Copper Kid No. 5		"	"	"	1517	"	460

4. Physical description.- (a)

The incline shaft on the Copper Kid Claim is the principle workings. It was dewatered, cleaned out, retimbered and a small head frame erected over it. Dipping about 73 degrees northerly the shaft is 60' deep. There is a drift 43' below the collar which runs westerly on the vein. This drift extended 12' and at the end there was a cross cut into the hanging wall 20' long. The drift has been extended westerly about 9' on the vein and a 5' cross cut driven into the foot wall.

A 4' deep trench 145' to the west has uncovered the vein near it's intersection with a fault zone running northeastward.

(c) See sheets No. 2 and No. 3 of the origional application. The incline shaft explores a fault area of the Yavapai schist within a zone influenced by intrusive diabase.

The recent exploration work on the 43' level discloses a strong mineralized ore bearing structure about 9' wide. This structure runs westerly at least 150' and appears to bend and run with the fault zone striking southwest. The structure runs to the east or northeast but cannot be traced at the surface because of a heavy mantle of caliche and detritus.

As disclosed on the 43' level, quartz stringers carrying hematite with some pyrite and manganese occupy the hanging wall while the central portion of the vein is strongly altered with white kaolin bearing clays in the center and brown and red hematite along the sides over a width of about 4'. Toward the footwall galena with silver sulfides occurs together with scant pyrite. All the sulfide minerals are largely oxidized and leaching of the ore minerals is evident.

Uranium mineralization occurs in the footwall over a width of about 4½'. Uraninite and pitchblend with gummite and tobernite are the principle ore minerals. They occur in masses and stringers together with the silver and lead minerals in brown limonitic altered schist with barite. Some uraninite occurs disseminated in a silicified sheeted rib about 18" wide carrying grains of hematite and pyrite.

Uranium mineralization is evident the length of the drift. Surface radiation double to triple background is observed in the footwall area of the vein to the west and southwest near the fault zone and along the fault zone running southwest.

4. Physical description.- (c) continued

The values in uranium are indicated by the following samples from the Copper Kid Claim:

Sample Location & Width	U_3O_8 %	Ag oz	Pb %	Cu %	Zn %
From shaft dump (KCK)	1.13 (c)				
	.77 (c)				
43' level silicified schist 18" (Wright)	.12 (c)	11.1		.15	
	.15 (c)		3.2		
43' level across F. 9" (Wright)	.49 (c)	74.0	5.22		1.0
From shaft dump (Manning)	1.44 (c)	81.8			
" " " "	.15 (c)	16.0			
43' level across F. 36" (Manning)	.20 (c)	15.4	8.0	1.41	

Considering that at the surface over the vein the radiation count is only about double back ground count the values occuring on the 43' level may be quite significant. The vein where exposed at the surface shows leaching to have been intensive not only in respect to the uranium but also the base metals and silver minerals. Practically all the metallic values have been removed from outcroppings.

5. The exploration project.- (a) It is proposed to explore for uranium ore minerals.

(b) In the proposed work the deposit shall be further explored in two stages. First, by sinking the incline shaft to the 100' level with a 15' sump. Since the shaft makes 400 to 500 gallons of water daily a sump is necessary to store the water and pump from. A station will be cut at the 100' level to drift on the vein both east and west. It is proposed to drift on the mineral zone westerly about 140' to intercept the fault zone running NE - SW; also to cross cut the footwall where it appears advisable to do so. Also, a drift on the strong structure running easterly should be driven 30'or 40' to determine the uranium value in that part of the lode. A total of 200' of drifting and cross cutting is contemplated on the 100' level.

In the second stage, the shaft shall be sunk to the 200' level with a 20' sump. The station shall be cut to drift east and west on the vein. It is proposed to drift westerly 150' to the NE- SW fault zone and within it if the ore body warrants. The exploration work on the 100' level will largely indicate where the exploration on the 200 should be done. Approximately 178' of drifting and cross cutting will be carried out on the 200' level.

The accompanying sketch shows in plan where the exploration work is to be accomplished on the two levels. You will note that practically all the work will be within a conductive, heavily mineralized area. The surrounding area is heavily covered with caliche and detritus particularly to the eastward. This accounts for so little information about the eastern portion of the vein.

6. Estimate of costs.- (a) Independent contracts.

First stage exploration contract:

Install manway landing in present shaft midway between collar and 43' level	250.00
Sink standard 4'x 7' timbered two compartment exploration shaft 55' to the 100' level including 15' sump. 55' @ 75.00	4125.00
Drifting and crosscutting (5'x 7') on the 100' level 190' (linear feet)@ 30.00	5700.00
Total	$ 10075.00

Second stage exploration contract:

Sink standard 4' x 7' timbered two compartment exploration shaft 105' to the 200' level including a 20' sump. 105' @ 75.00	7875.00
Drifting and crosscutting (5'x 7') on the 100' level 230' @ 30.00	6900.00
Total	$ 14775.00

(g) Radiometric assays by A.E.C. free of charge. 10 chemical uranium assays to check every tenth radiometric assay @ 7.50 ea. $75.00

(h) Contingencies.- Survey work and / or additional assays. $75.00

Russell A. Wright

COPY

Richard M. Wright

WRIGHT ASSOCIATES

GENERAL OFFICES

384 No. Second Ave
Phoenix, Arizona

Alpine 2-8614

RECEIVED
DEC 16 1955

August 17, 1955

To: Richard M. Wright

From: Russell A. Wright

Subject: - Copper Kid Claims

CONFIDENTIAL REPORT

This property consists of seven unpatented mining claims, 3½ miles over good roads from the town of Cave Creek and 25 miles from Phoenix, Arizona. The location work is all done and every precaution possible has been taken to insure clear title to these claims.

The predominating country rock is Yavapai schist, with some outcroppings of lime and diabase. The claims were mapped by geologist of the Atomic Energy Commission, however, due to the abundance of overburden, no definite conclusions as to the overall structure can be incontrovertibly drawn. And there has been only a negligible amount of mine work completed to help make a geological evaluation, so what lied beneath the overburden is conjecture.

The limited development work indicates however, that the deposit is essentially a composite lode. It occurs in the ancient Yavapai schist complex where there has been structural deformation of the steeply dipping beds from bending and faulting.

Within the limits of the property there are other favorable looking structures, and surface exploration work has yielded anomalies in several locations.

Since the pitchblende was discovered in the dump of an old abandoned, caved, water-filled shaft, most of our work has been done in the immediate area in and around the shaft. The vein, or shear zone, runs NE-SW following the schistosity. North of the shaft about 60 feet is an outcrop of diabase which seems to follow the same general strike, though overburden makes mapping of this intrusion difficult. To the west of the shaft, about 150 feet, is a fault running almost N-S with a large outcrop of black schist on the fault strike visible about 500 feet north of the shaft and cutting the shear zone at an angle of about 55 degrees.

The fact that the underground work shows the best mineralization to be west of the shaft, and increasing in value in that direction, indicate that large orebodies may be present close to this fault zone. At least it is the expressed opinion of all the engineers who have seen this property that this is the logical area in which to probe at depth.

We cleaned out the shaft, dewatered, retimbered and installed a headframe. It was 60 feet deep with a drift on the 43-foot level running SW for 15 feet, and then turning sharply to the NW to crosscut the hanging wall for 20 feet. The vein dips about 75 degrees to the north. The mineralization thus exposed extended over a width of 9 feet, and contained many strips of barren material and there was positive evidence of considerable leaching. Much of the ore in place is sulfate and oxide lead and silver, though there is also galena and pyrites. The uranium values occur in the footwall.

Based on this we extended the drift two four-feet rounds and then ran a six-feet crosscut into the footwall, which, up until then, had never been explored. Here we opened up an excellent showing of primary uranium, together with high grade silver, good lead and a marked increase in copper values.

A 3-foot channel sample cut in the breast of this newly discovered mineralized section of the shear showed the following values: 15.4 oz. silver; 8% lead; 1.41% copper. This sample was cut by an experienced mining engineer on an independent visit to the property. While this sample was not run for uranium, comparative counter readings indicate around .2%. This is in line with subsequent sampling.

We have done considerable sampling, and have had all kinds of analyses made of the ore and vein matter surrounding the ore. Assays are meaningless unless it is shown where they come from, but I am going to list the values without going into great detail as to just what each represents, except to say I cut real samples and did not "high-grade". Suffice it to say that others who have come in to cut their own samples got as good or better showings than I did. It is interesting to note how the silver values increase with the uranium.

Sample No.	U_3O_8 %	Ag Silver oz.	Pb Lead %	Zn Zinc %
1	.28 (9")			
2	.09 (21")			
3	.34 (16")			
4	2.20 (8")			
5	.49 (9")	74.8	5.22	1.00
6	.12	11.1	3.20	
7	1.44	81.8		
8	.03	16.0		
9	1.13 (a)			
	.77 (c)			
10	.146			

Of the analyses made todate, most important to me are those made by Jackson Clark, Mineralogist at the University of Arizona, and the Atomic Energy Commission (copies attached), which clearly describe how the primary uranium ores are associated with the sulphide mineralization. Important too is the fact that the ore is at this level out of equilibrium - the chemical assay shows a smaller percentage than the radiometric, with no thorium present. This is a positive indication of leaching and a secondary enrichment. Pitchblende is easily leached with sulphuric acid, hence this evidence of sulphides and leaching are most favorable for even richer ore at depth and with the apparent high water table in this area this should not be too far below where we are now.

It is often wise to compare a prospect such as this with known deposits, especially in uranium, about which so little is known as compared to other minerals. In making this evaluation we have noted a striking similarity to the deposits on the "Front Range", Rocky Mountains, Colorado. In this regard I will quote from "Minerals for Atomic Energy", by Robert D. Nininger, page 51, as follows:

> "The pitchblende in the Colorado Front Range occurs in small, irregularly distributed nodules, pods, and veinlets or stringers, in large continuous gold-silver-quartz and lead-silver veins in folded pre-Cambrian schist and gneiss. The principal vein minerals in addition to quartz, are pyrite, sphalerite and galena. The small but relatively high grade pitchblende deposits are separated by large areas of barren vein material. Secondary uranium minerals are only occasionally evident".

I hope this information will be as enlightening to you as it is to me. With a relatively small expenditure here I honestly believe we can open up a really rich producing uranium property. Five graduate engineers and geologist have inspected this property that I know of, as have numerous practical mining men with records of successful operation behind them, and they are all in complete accord on one thing - this is a property of unquestioned merit.

RAWright/rb
Encl.

Crawford

DEER TRAIL MINING COMPANY

December 3, 1958

RECEIVED
DEC 10 1958

Defense Minerals Exploration Administration
Department of the Interior
U. S. Bureau of Mines
Box 4097, University Station
Tucson, Arizona.

Subject: Docket No. ~~3639~~ 4103 (uranium) Copper Kid Claims
Maricopa County, Arizona

Gentlemen:

Attached in quadruplicate is a Re-Application For Aid In An Exploration Project, Form DF-103, which is being submitted on the basis of recent exploration work at the property. The new mineral and geological findings warrant a re-appraisal of the property.

Also attached, for your consideration is a report by an independent mining man who with his mining engineer thoroughly examined the property.

Please note that the contract if granted, is to be in the name of the Deer Trail Mining Company.

Thanking you for attention to this Re-Application,

Yours very truly,

W. C. Kimmon

W. C. Kimmon

U. S. Bureau of Mines
Northwest Exploration Station
DEC 10 1958
Tucson, Arizona

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

RECEIVED
DEC 16 1955

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-4103
Metal or Mineral Uranium
Date Received 12-16-55
Estimated Cost $14,775.00
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: W. C. Kinnon and Irene Kinnon dba Deer Trail Mining Company
28 E. Catalina Dr., Phoenix, Arizona

(*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 see sheet No. 1 attached

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

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

(*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.

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(*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. see sheets Nos 1 & 2 attached also Nos 2 & 3 of origional application

(*d*) State the facts with respect to the accessibility of the project: Access roads, distances to shipping, supply and residence points. see sheet No. 3 of the origional application

(*e*) State the availability of manpower, materials, supplies, equipment, water, and power. see sheet No. 3 of the origional application

16—66551-1

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(*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. see sheet No. 2 attached

(*c*) The work will start within 30 days and be completed within 10 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. see sheet No. 3 of the origional application

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:

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(*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. see sheet No. 3 attached

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)? yes

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

[X] Money [ ] 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 December 3, 1955

Deer Trail Mining Company
(Applicant)

By [signature]

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U. S. GOVERNMENT PRINTING OFFICE 16—66551-1

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DEC 16 1955

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A 4' deep trench 145' to the west has uncovered the vein near it's intersection with a fault zone running northeastward.

(c) See sheets No. 2 and No. 3 of the original application. The incline shaft explores a fault area of the Yavapai schist within a zone influenced by intrusive diabase.

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Uranium mineralization is evident the length of the drift. Surface radiation double to triple background is observed in the footwall area of the vein to the west and southwest near the fault zone and along the fault zone running southwest.

4. Physical description.- (c) continued

The values in uranium are indicated by the following samples from the Copper Kid Claim:

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	.15 (e)		3.2		
43' level across FW 9" (Wright)	.49 (e	74.8	5.22		1.0
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" " " "	.15 (e)	16.0			
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5. The exploration project.- (a) It is proposed to explore for uranium ore minerals.

(b) In the proposed work the deposit shall be further explored in two stages, First, by sinking the incline shaft to the 100' level with a 15' sump. Since the shaft makes 400 to 500 gallons of water daily a sump is necessary to store the water and pump from. A station will be cut at the 100' level to drift on the vein both east and west. It is proposed to drift on the mineral zone westerly about 140' to intercept the fault zone running NE - SW; also to cross cut the footwall where it appears advisable to do so. Also, a drift on the strong structure running easterly should be driven 30'or 40' to determine the uranium value in that part of the lode. A total of 200' of drifting and cross cutting is contemplated on the 100' level.

In the second stage, the shaft shall be sunk to the 200' level with a 20' sump. The station shall be cut to drift east and west on the vein. It is proposed to drift westerly 150' to the NE- SW fault zone and within it if the ore body warrants. The exploration work on the 100' level will largely indicate where the exploration on the 200 should be done. Approximately 178' of drifting and cross cutting will be carried out on the 200' level.

The accompaning sketch shows in plan where the exploration work is to be accomplished on the two levels. You will note that practically all the work will be within a conductive, heavily mineralized area. The surrounding area is heavily covered with caliche and detritus particularly to the eastward. This accounts for so little information about the eastern portion of the vein.

6. Estimate of costs.- (a) Independent contracts.

First stage exploration contract:

Install manway landing in present shaft midway between collar and 43' level	250.00
Sink standard 4'x 7' timbered two compartment exploration shaft 55' to the 100' level including 15' sump. 55' @ 75.00	4125.00
Drifting and crosscutting (5'x 7') on the 100' level 190' (linear feet) @ 30.00	5700.00
Total	$ 10075.00

Second stage exploration contract:

Sink standard 4' x 7' timbered two compartment exploration shaft 105' to the 200' level including a 20' sump. 105' @ 75.00	7875.00
Drifting and crosscutting (5'x 7') on the 100' level 230' @ 30.00	6900.00
Total	$ 14775.00

(g) Radiometric assays by A.E.C. free of charge. 10 chemical uranium assays to check over tenth radiometric assay @ 7.50 ea. ... $75.00

(h) Contingencies.- Survey work and / or additional assays. $75.00

Russell A. Wright

COPY

Richard M. Wright

WRIGHT ASSOCIATES

GENERAL OFFICES

384 No. Second Ave
Phoenix, Arizona

Alpine 2-8614

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DEC 16 1955

August 17, 1955

To: Richard M. Wright

From: Russell A. Wright

Subject: - Copper Kid Claims

CONFIDENTIAL REPORT

This property consists of seven unpatented mining claims, 3½ miles over good roads from the town of Cave Creek and 25 miles from Phoenix, Arizona. The location work is all done and every precaution possible has been taken to insure clear title to these claims.

The predominating country rock is Yavapai schist, with some outcroppings of lime and diabase. The claims were mapped by geologist of the Atomic Energy Commission, however, due to the abundance of overburden, no definite conclusions as to the overall structure can be incontrovertibly drawn. And there has been only a negligible amount of mine work completed to help make a geological evaluation, so what lied beneath the overburden is conjecture.

The limited development work indicates however, that the deposit is essentially a composite lode. It occurs in the ancient Yavapai schist complex where there has been structural deformation of the steeply dipping beds from bending and faulting.

Within the limits of the property there are other favorable looking structures, and surface exploration work has yielded anomalies in several locations.

Since the pitchblende was discovered in the dump of an old abandoned, caved, water-filled shaft, most of our work has been done in the immediate area in and around the shaft. The vein, or shear zone, runs NE-SW following the schistosity. North of the shaft about 60 feet is an outcrop of diabase which seems to follow the same general strike, though overburden makes mapping of this intrusion difficult. To the west of the shaft, about 150 feet, is a fault running almost N-S with a large outcrop of black schist on the fault strike visible about 500 feet north of the shaft and cutting the shear zone at an angle of about 55 degrees.

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The fact that the underground work shows the best mineralization to be west of the shaft, and increasing in value in that direction, indicate that large orebodies may be present close to this fault zone. At least it is the expressed opinion of all the engineers who have seen this property that this is the logical area in which to probe at depth.

We cleared out the shaft, dewatered, retimbered and installed a headframe. It was 60 feet deep with a drift on the 43-foot level running SW for 15 feet, and then turning sharply to the NW to crosscut the hanging wall for 20 feet. The vein dips about 75 degrees to the north. The mineralization thus exposed extended over a width of 9 feet, and contained many strips of barren material and there was positive evidence of considerable leaching. Much of the ore in place is sulfate and oxide lead and silver, though there is also galena and pyrites. The uranium values occur in the footwall.

Based on this we extended the drift two four-foot rounds and then ran a six-foot crosscut into the footwall, which, up until then, had never been explored. Here we opened up an excellent showing of primary uranium, together with high grade silver, good lead and a marked increase in copper values.

A 3-foot channel sample cut in the breast of this newly discovered mineralized section of the shear showed the following values: 15.4 oz. silver; 8% lead; 1.41% copper. This sample was cut by an experienced mining engineer on an independent visit to the property. While this sample was not run for uranium, comparative counter readings indicate around .2%. This is in line with subsequent sampling.

We have done considerable sampling, and have had all kinds of analyses made of the ore and vein matter surrounding the ore. Assays are meaningless unless it is shown where they came from, but I am going to list the values without going into great detail as to just what each represents, except to say I cut real samples and did not "high-grade". Suffice it to say that others who have come in to cut their own samples got as good or better showings than I did. It is interesting to note how the silver values increase with the uranium.

Sample No.	U_3O_8 %	Ag Silver oz.	Pb Lead %	Zn Zinc %
1	.22 (9")			
2	.09 (21")			
3	.34 (16")			
4	2.20 (8")			
5	.49 (9")	74.8	5.22	1.00
6	.12	11.1	3.20	
7	1.44	81.8		
8	.03	16.0		
9	1.13 (a)			
	.77 (c)			
10	.146			

Of the analyses made todate, most important to me are those made by Jackson Clark, Mineralogist at the University of Arizona, and the Atomic Energy Commission (copies attached), which clearly describe how the primary uranium ores are associated with the sulphide mineralization. Important too is the fact that the ore is at this level out of equilibrium - the chemical assay shows a smaller percentage than the radiometric, with no thorium present. This is a positive indication of leaching and a secondary enrichment. Pitchblende is easily leached with sulphuric acid, hence this evidence of sulphides and leaching are most favorable for even richer ore at depth and with the apparent high water table in this area this should not be too far below where we are now.

It is often wise to compare a prospect such as this with known deposits, especially in uranium, about which so little is known as compared to other minerals. In making this evaluation we have noted a striking similarity to the deposits on the "Front Range", Rocky Mountains, Colorado. In this regard I will quote from "Minerals for Atomic Energy", by Robert D. Nininger, page 51, as follows:

> "The pitchblende in the Colorado Front Range occurs in small, irregularly distributed nodules, pods, and veinlets or stringers, in large continuous gold-silver-quartz and lead-silver veins in folded pre-Cambrian schist and gneisses. The principal vein minerals in addition to quartz, are pyrite, sphalerite and galena. The small but relatively high grade pitchblende deposits are separated by large areas of barren vein material. Secondary uranium minerals are only occasionally evident".

I hope this information will be as enlightening to you as it is to me. With a relatively small expenditure here I honestly believe we can open up a really rich producing uranium property. Five graduate engineers and geologist have inspected this property that I know of, as have numerous practical mining men with records of successful operation behind them, and they are all in complete accord on one thing - this is a property of unquestioned merit.

RAWright/mb
Encl.

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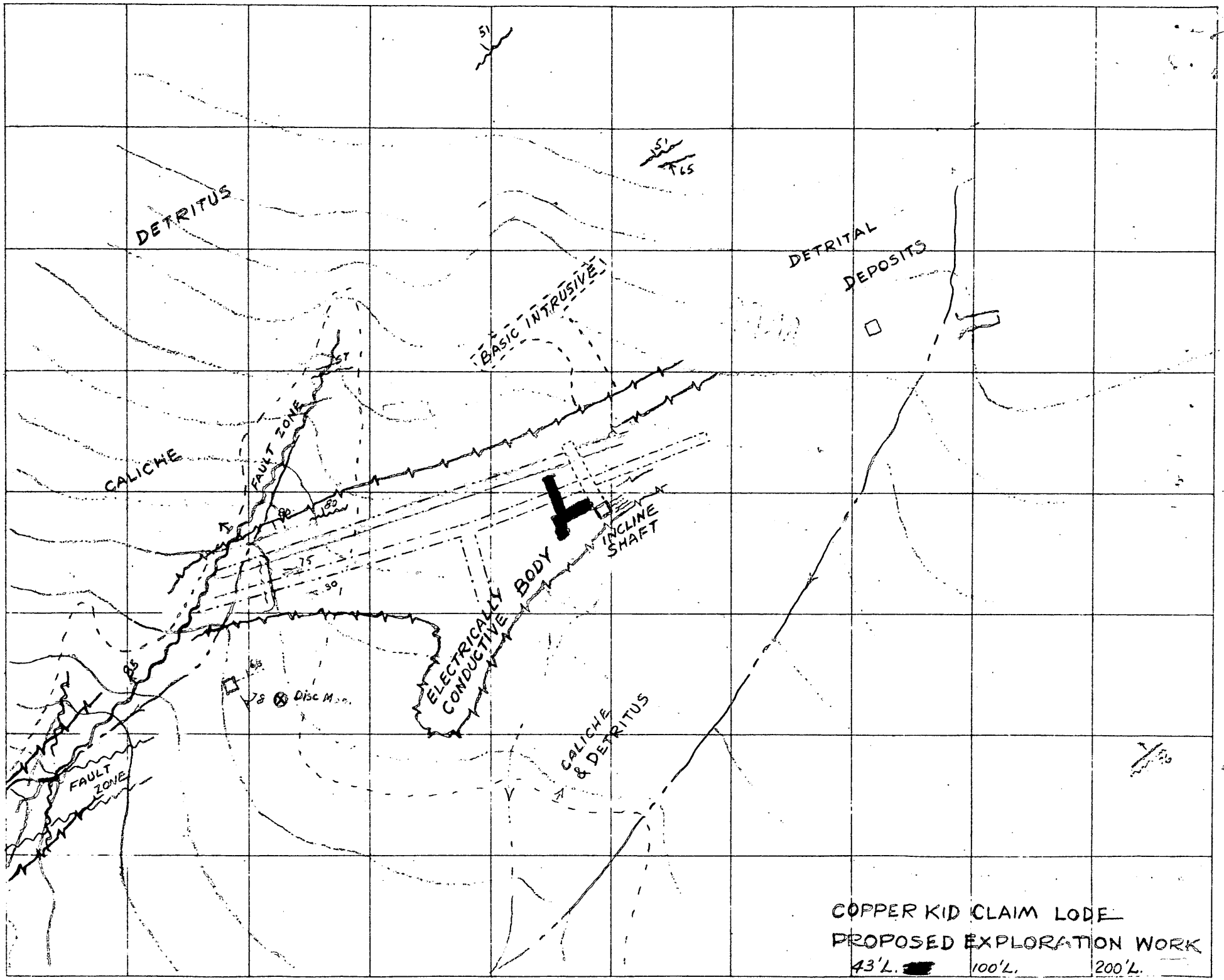
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1" = 50'
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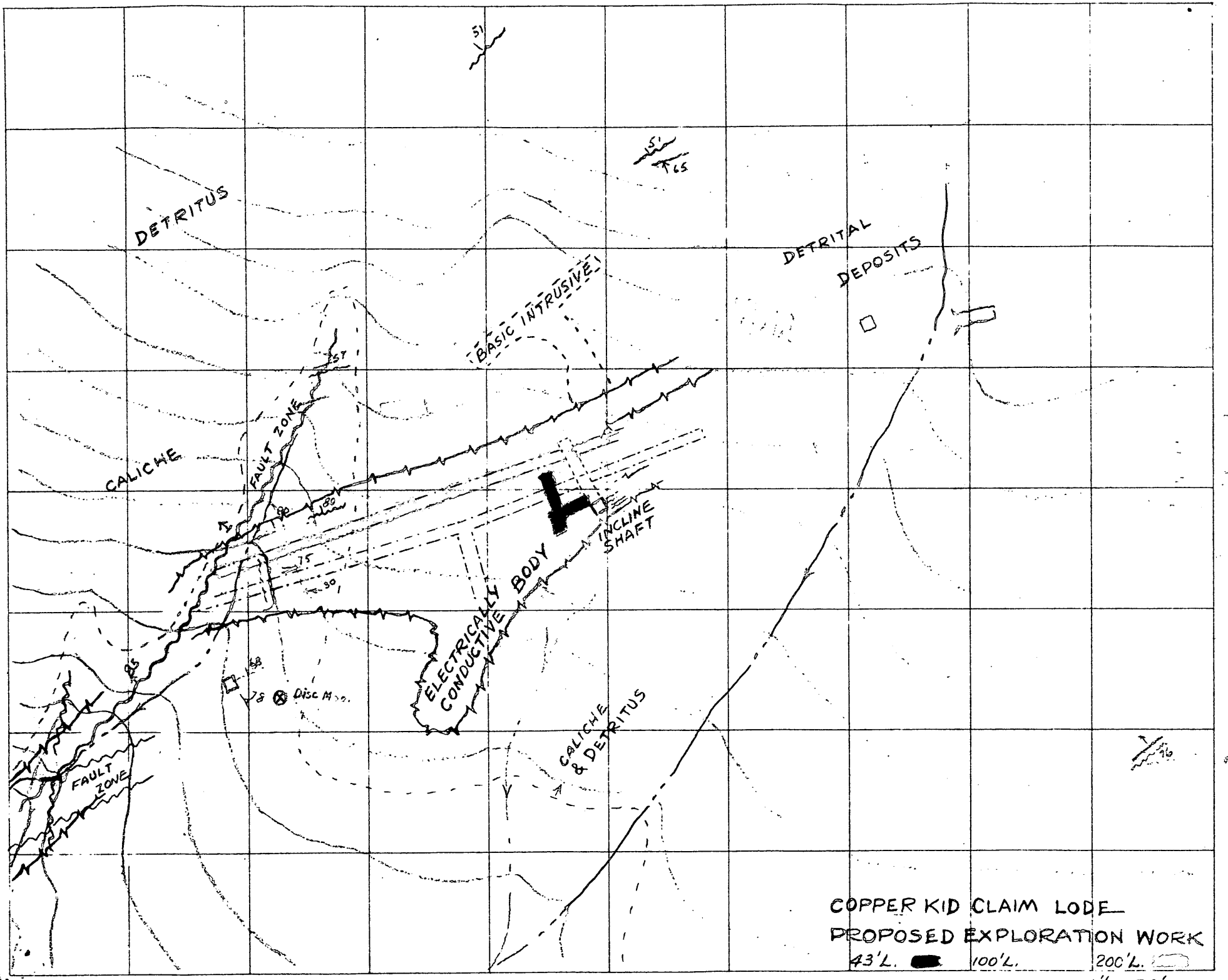
I. S. & R. FORM 16-G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