DMA Form 1

DEFENSE MINERALS ADMINISTRATION
Control Slip

CONTROLLED DOCUMENT

DMA Docket No. 3277

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 Administration

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.

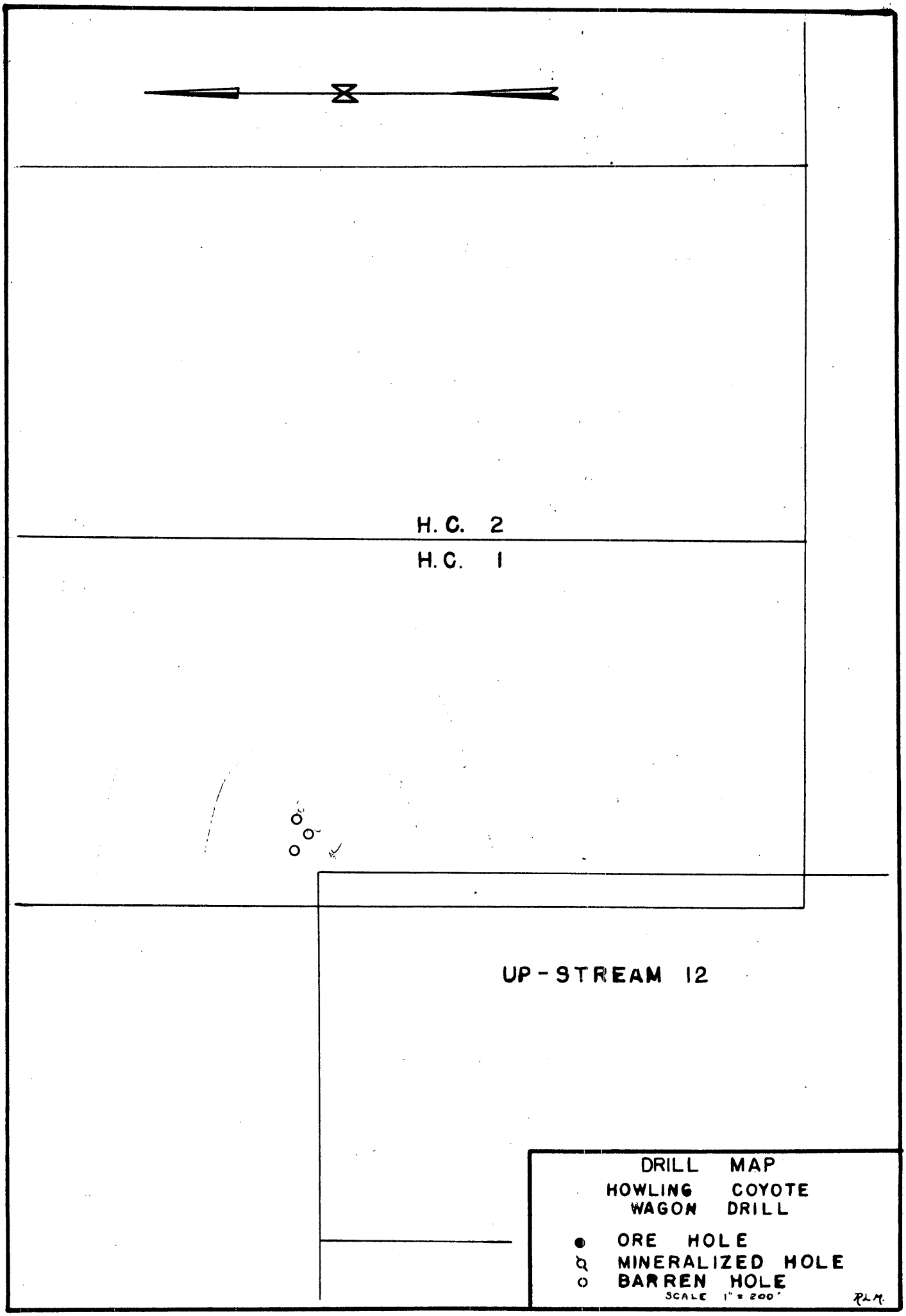
1 cy to USBM

Routing Slip

To:	700	Date	3/12/54
To:	Oper Com	Date	3-31-54
To:	700	Date	4-2
To:	Oper Com	Date	6-16-54
To:	Oper Com	Date	6- -54
To:	700	Date	9-17
To:		Date	
To:		Date	
To:		Date	
To:		Date	
To:		Date	
To:		Date	
To:		Date	
To:		Date	
To:		Date	

DO NOT DETACH

CONTROLLED DOCUMENT


H. C. 2
H. C. 1
UP-STREAM 12
DRILL MAP
HOWLING COYOTE
WAGON DRILL
ORE HOLE
MINERALIZED HOLE
BARREN HOLE
SCALE 1" = 200'
R.L.M.

Surname 700

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

Ching
Ellis

NOV 23 1954

Mr. Don Danvers, President
Great Western Uranium Corporation
Moab, Utah

Re: Docket No. DMEA-3277 (Uranium)
Too High Group, et al
Montrose County, Colorado
San Juan County, Utah

Dear Mr. Danvers:

Reference is made to our letters of September 14 and October 22, 1954 in which we requested that you either submit a suitable exploration program or arrange to meet with our field representatives to discuss such a program.

Since we have received no advice that you have complied with our request, we assume that you are no longer interested in a Defense Minerals Exploration project. Accordingly, we have removed your application from our active file and closed the docket.

Sincerely yours,

C. O. Mittendorf

Administrator

MChing:am
11-22-54
cc to: Admr. Reading File
Docket
Messrs. J. E. Crawford, Rm. 3641
T. H. Kiilsgaard, Rm. 5224
J. O. Hosted, Rm. 3210, GSA
Mr. Ching
Code 700
DMEA Field Team, Region IV(2)

R.C.L.

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

Ching
Ellis
Mittendorf

OCT 22 1954

Mr. Don Danvers, President
Great Western Uranium Corporation
Moab, Utah

Re: Docket No. DMEA-3277 (Uranium)
Too High Group, et al
Montrose County, Colorado
San Juan County, Utah

Dear Mr. Danvers:

Reference is made to our letter of September 14, 1954, in which we requested that you arrange to have your representatives meet with our field examiners promptly to discuss a suitable exploration program.

Our Executive Officer, Region IV, advised us under date of October 18 that you have not submitted a suitable exploration program and we assume that you have not attempted to arrange a meeting as requested.

Under the circumstances, this is to advise you that unless a suitable exploration program is submitted by you, or a meeting is arranged with our field representatives to discuss such a program within 30 days, the subject docket will be closed.

Sincerely yours,

SIGNED
Ernest Wm. Ellis, Chief
Rare and Miscellaneous
Metals Division

MChing/gla
10-22-54
cc to: Admr. Reading File
Docket
Messrs. J. E. Crawford, Rm. 3641
T. H. Kiilsgaard, Rm. 5224
Code 700
Mr. Ching
DMEA Field Team, Region IV (2)

R.C.S.

10/21/54 gla

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

224 New Customhouse
Denver 2, Colorado

October 18, 1954

Memorandum

To: Chairman, Operating Committee, DMEA

From: Executive Officer, DMEA Field Team, Region 1V

Subject: Docket 3277, Great Western Uranium Corporation

Reference is made to the following correspondence:

1. Letter dated May 7, 1954, from Chief, Rare and Miscellaneous Metals Division to the Great Western Uranium Corporation.

2. Memorandum dated August 31, 1954, from Arnold Brokaw to A. H. Koschmann.

3. Letter dated September 14, 1954, from Chief, Rare and Miscellaneous Metals Division to the Great Western Uranium Corporation.

To date the applicant has not submitted a suitable exploration program. We believe that the applicant has had ample time to submit the requested information. If you concur, we would appreciate your writing the applicant and notifying him that the docket will be closed within 30 days unless the applicant's representatives submit a suitable exploration program.

W. H. King

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

224 New Customhouse
Denver 2, Colorado

October 18, 1954

Memorandum

To: Chairman, Operating Committee, DMEA

From: Executive Officer, DMEA Field Team, Region 1V

Subject: Docket 3277, Great Western Uranium Corporation

Reference is made to the following correspondence:

1. Letter dated May 7, 1954, from Chief, Rare and Miscellaneous Metals Division to the Great Western Uranium Corporation.

2. Memorandum dated August 31, 1954, from Arnold Brokaw to A. H. Koschmann.

3. Letter dated September 14, 1954, from Chief, Rare and Miscellaneous Metals Division to the Great Western Uranium Corporation.

To date the applicant has not submitted a suitable exploration program. We believe that the applicant has had ample time to submit the requested information. If you concur, we would appreciate your writing the applicant and notifying him that the docket will be closed within 30 days unless the applicant's representatives submit a suitable exploration program.

W. H. King

Surname 700

Ching
Ellis
Johnson

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

SEP 1 4 1954

Mr. Don Danvers, President
Great Western Uranium Corporation
Moab, Utah

Re: Docket No. DMEA-3277 (Uranium)
Too High Group, et al
Montrose County, Colorado
San Juan County, Utah

Dear Mr. Danvers:

An examination of the subject property was made by Defense Minerals Exploration Administration field examiners on July 8, 1954. We have been advised that, since that date, repeated efforts by these field men to get your representatives to meet with them to discuss a proposed exploration program have failed.

The continued processing of your application is pending the arrangement of such a meeting. If you are still interested in having the application processed, please arrange to have your representatives meet with our field examiners promptly. If not, please advise us so we may remove the application from our active file.

Sincerely yours,

Ernest Wm. Ellis, Chief
Rare and Miscellaneous
Metals Division

MChing:am
9-14-54
cc to: Admr. Reading File
Mails & Files
DMEA Field Team, Reg. IV (2)
Mr. Ching
Code 700

R.C. 4

9-3-54
a.g.

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

224 New Customhouse
Denver 2, Colorado

September 1, 1954

Memorandum

To: Chairman of the Operating Committee, DMEA

From: Executive Officer, DMEA Field Team, Region IV

Subject: Docket No. DMEA 3277 (Uranium), Great Western Uranium Corporation, Too High Group, et al, Montrose County, Colorado & San Juan County, Utah

Enclosed is a copy of a letter from Arnold L. Brokaw to A. H. Koschmann relative to the lack of cooperation between the applicant's representative and the field examiners.

This docket is not within the delegated authority of the Region IV Field Team, and it is suggested that your office notify the applicant of a deadline date for making final arrangements concerning their DMEA application.

W H King
W. H. King

Enclosure

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

224 New Customhouse
Denver 2, Colorado

September 1, 1954

Memorandum

To: Chairman of the Operating Committee, DMEA

From: Executive Officer, DMEA Field Team, Region IV

Subject: Docket No. DMEA 3277 (Uranium), Great Western Uranium Corporation, Too High Group, et al, Montrose County, Colorado & San Juan County, Utah

Enclosed is a copy of a letter from Arnold L. Brokaw to A. H. Koschmann relative to the lack of cooperation between the applicant's representative and the field examiners.

This docket is not within the delegated authority of the Region IV Field Team, and it is suggested that your office notify the applicant of a deadline date for making final arrangements concerning their DMEA application.

W. H. King

Enclosure

Mining Division
Date Rec'd
SEP 1 1954

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
COLORADO PLATEAU DISTRICT
P. O. BOX 360
GRAND JUNCTION, COLORADO

August 31, 1954

Memorandum

To: A. H. Ackermann, DMEA Field Team, Region IV

From: Arnold L. Brokaw, District Supervisor ALB

Subject: DMEA 3277, Great Western Uranium Corp., Too High group, et al, Montrose County, Colo., and San Juan County, Utah. (Uranium)

A joint field examination was made of the above-referenced property on July 8, 1954. On that date, the applicant's representative, Geologist Robert Mehl, assured the examining team that the representatives of the Great Western Uranium Corporation would meet with U. S. Geological Survey geologist, W. L. Carter, at some future date to discuss a proposed exploration plan on the Too High group and other claims in the subject application.

Repeated efforts by both W. L. Carter and me have failed in getting the applicant to meet with either of us to discuss a proposed exploration program. On August 27, a representative of the applicant stated that the holdings of the Great Western Uranium Corporation were being consolidated with other properties owned by Don Danvers, owner of Great Western Uranium Corporation. He gave that reason for delay in making final arrangements concerning their DMEA application.

Our report of the field examination will, therefore, be delayed until such time as the applicant or his representative discusses with us the final phases of a proposed exploration plan.

W P Williams
For Arnold L. Brokaw

WPW/mlr

cc: W. H. King

Surname 700

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

Ching
Ellis
Hodges
Jarrett
Selfridge
Johnson

JUN 28 1954

Mr. Don Danvers, President
Great Western Uranium Corporation
Moab, Utah

Re: Docket No. DMEA-3277 (Uranium)
Too High Group, et al
Montrose County, Colorado
San Juan County, Utah

Dear Mr. Danvers:

Mr. R. L. Mehl's letter of June 16, 1954, with the supplemental information to your application for assistance in exploring your property under the above-captioned docket number, has been reviewed by the Rare and Miscellaneous Metals Division of the Defense Minerals Exploration Administration. It has been referred to the Executive Officer of Region IV at the following address:

Mr. W. H. King
Executive Officer, Region IV
DMEA Field Team
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. Mittenderf (fw)

Administrator

MChing/am
6-24-54
cc to: Admr. Reading File
Docket
Code 700
Mr. Ching
DMEA Field Team, Region IV (2)

R.C.S.

Surname 700

Ching
Ellis
Selfridge
Robertson

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

JUN 28 1954

Mr. W. H. King
Executive Officer
DMEA Field Team, Region IV
224 New Customhouse Building
Denver 2, Colorado

Re: Docket No. DMEA-3277 (Uranium)
Great Western Uranium Corporation
Too High Group, et al
Montrose County, Colorado
San Juan County, Utah

Dear Mr. King:

Please refer to Ernest Wm. Ellis' letter of May 7, 1954, to Mr. Don Danvers, President, Great Western Uranium Corporation, regarding the subject application. We are now in receipt of a letter from R. L. Mehl, Geologist for the Applicant, with supplemental information in the form of maps, drill logs, and assays of shipments, and are enclosing herewith copies of the letter and one complete set of the supplemental information. Since only the one set was made available to us, it is requested that it be returned to this office after it has served its purpose in the field.

While the information supplied by the Applicant is not as complete as we would like, he has evidently furnished us with all the material available to him. Accordingly, it is suggested that the Field Team proceed with a field investigation, and if a project is indicated, recommend such modifications in Applicant's program as appear necessary or desirable.

Sincerely yours,

Chairman, Operating Committee

Enclosures

MChing/am
6-24-54

APPROVED:

cc to: Admr. Reading File
Operating Committee
Docket

Member, Bureau of Mines

Messrs. A.P.Butler, Jr., Rm. 3212, GSA
J.O.Hosted, Rm. 3210, GSA
H.D.Keiser, Rm. 3641
Code 700
Mr. Ching

Member, Geological Survey

R.C.G.

6/22/54 gla

June 16, 1954
Moab, Utah

Mr. Ernest Wm. Ellis Chief
Rare and Misc. Metals Division
Defense Minerals Exploration Adminstration
224 New Customhouse
Denver 2, Colorado

Re: Docket No. DMEA-3277 (Uranium)
Too High Group, et al
Montrose County, Colorado
San Juan County, Utah

Dear Mr. Ellis:

This letter is to notify you that the information you asked, in your letter of May 7, should arrive within the next 2 days.

Your letter was set fourth by 6 headings. I shall answer the questions asked in these headings in their same order.

Very truly yours,
Great Western Uranium Corp.
R.L. Mehl
R.L. Mehl
Geologist

6/21/54 glu

June 16,1954
Moab, Utah

Mr. Ernest Wm. Ellis Chief
Rare and Misc. Metals Division
Defense Minerals Exploration Adminstration
224 New Customhouse
Denver 2, Colorado

Re: Docket No. DMEA-3277 (Uranium)
Too High Group, et al
Montrose County, Colorado
San Juan County, Utah

Dear Mr. Ellis:

The answers to your questions are as follows.

1 We have asked for drilling on the Too High, Howling Coyate, Brushy Basin, and Yip Yip groups, but would also like to include the list of recorded claims.

2 The Drill map is incorrect. Buck N. Beans #1 joins the Too High #2 claim on the East. The ore deposit is on the No. 2 claim. The logs of the six ore tests are enclosed. There are no assays due to a 56% case recovery by Sprague and Henwood Drilling Company. There was not any ore recovered in the ore horizon. Probing resuled approx 6' of .40 ore in the number 2 hole and 4' of .30 in the number 1 hole.

The 25 tests averaging 250' shown by red circles are to be fixed. Any change would be brought about by information and cross sections derived from the first few holes. In the event that coring reveals that we are going in the wrong direction it would be advisable to change the locations on the remaining holes.

Until now the Too High Mine has been a stripping operation that covers approximately 3 acres. A tunnel is now intended to be driven in on the ore in a Northward direction. The ore roll varies in thickness from 1' to 8'.

3 The Howling Coyate Mine is a surface workings. The ore roll is approx 50' wide and 3' thick. The position of the mine and locations of the 25 holes are shown on the enclosed map.

4 Drill logs, assays of shipments, proposed hole locations, and mine maps are all enclosed.

5 Drill logs, assays of shipments, proposed hole locations are enclosed.

6 The large map of all the claims shows the location of the mines and outcrops.

Maps and information on other outcrops are also enclosed.

Very truly yours,
Great Western Uranium Corp.

R. L. Mehl
Geologist

Surname
Docket copy

700

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

Ching
Selfridge
Ferguson
Nitkowski

JUN 17 1954

Mr. W. H. King
Executive Officer
DMEA Field Team, Region IV
224 New Customhouse Building
Denver 2, Colorado

Re: Docket No. DMEA-3277 (Uranium)
Great Western Uranium Corporation
Too High Group, et al
Montrose County, Colorado
San Juan County, Utah

Dear Mr. King:

This is with reference to your memorandum of June 8 to the Administrator, making inquiry as to the status of the captioned application.

To date we have not received an answer to our letter of May 7. We shall advise you promptly upon receipt of new information from the Applicant or if action is initiated from this office.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee (245)

APPROVED:

J. H. Hedges

Member, Bureau of Mines (245)

Philip W. Guild

Member, Geological Survey (245)

MChing/gla
6-14-54

cc to: Adm. Reading File
Operating Committee
Docket

Messrs. A.P.Butler, Jr., Rm. 3212
J.C.Hosted, Rm. 3210
H.D.Keiser, Rm. 3641
Mr. Ching

R.L.G.

6/10/54 glo

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

Defense Minerals Administration
JUN 10 1954

224 New Customhouse
Denver 2, Colorado

June 8, 1954.

Memorandum

To: C. O. Mittendorf, Administrator, DMEA

From: Executive Officer, DMEA Field Team, Region IV

Subject: Docket No. DMEA-3277 (Uranium), Great Western Uranium Corporation, Montrose County, Colorado and San Juan County, Utah.

Reference is made to the letter dated May 7, 1954 from the Chief, Rare and Miscellaneous Metals Division, to the Great Western Uranium Corporation requesting clarification of their application.

Please advise us if any further action has been taken in this matter.

W. H. King

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

Defense Minerals Administration
JUN 8 1954

224 New Customhouse
Denver 2, Colorado

June 8, 1954.

Memorandum

To: C. O. Mittendorf, Administrator, DMEA

From: Executive Officer, DMEA Field Team, Region IV

Subject: Docket No. DMEA-3277 (Uranium), Great Western Uranium Corporation, Montrose County, Colorado and San Juan County, Utah.

Reference is made to the letter dated May 7, 1954 from the Chief, Rare and Miscellaneous Metals Division, to the Great Western Uranium Corporation requesting clarification of their application.

Please advise us if any further action has been taken in this matter.

W. H. King

700
Surname
Docket
Ching
Mitchell

MAY 7 - 1954

Mr. Ben Demaree, President
Great Western Uranium Corporation
Moab, Utah

Re: Docket No. DMA-3277 (Uranium)
Too High Group, et al
Montrose County, Colorado
San Juan County, Utah

Dear Mr. Demaree:

Our letter of April 2, 1954, advised you that the subject application had been referred to the Executive Officer of Region IV for further investigation in the field. We are now advised by the Field Team that the application, with its supporting data, is too incomplete to justify a field investigation. Consequently, we are requesting that certain inconsistencies in your application be cleared up and that some supplemental information be supplied as indicated below:

1. Under 3 (a) Applicant's property rights, you attach a list of recorded mining claims which includes many claims other than those in the Too High, Howling Coyote, Brushy Basin and Zip Zip Groups. Is it your intent to include or exclude these other claims in the proposed exploration project contract? Furthermore, Zip Zip No. 5 claim is shown on the attached list, but not shown on the claim map.

2. The drill map of the Too High area shows drill holes on the Too High No. 2 claim, with the Too High No. 3 claim adjacent on the east, whereas the claim map shows the adjacent claim on the east to be the Buck E Deane No. 1 claim. In your description of this group you say the ore deposit is on claim No. 6, while the drill map shows the ore holes and mine on Too High No. 2. It is requested that geologic logs and assay data of the six holes already drilled in the area be furnished us to assist in establishing geologic guides and indicate necessary depths.

You proposed 25 test holes averaging 250 feet in depth in this area, but you go on to say that ". . .approximately 5000 feet of coring is indicated on this project." In the summary you go back to the 6250-foot figure. The position of the 25 proposed holes apparently is indicated by red circles on the drill map, but you did not mention this in the text and we are not sure whether

R.C.B.

the position of each hole is meant to be fixed or just tentative.

If there are surface or underground workings or mineralized outcrops on this group, please indicate them on a map, together with related assay data.

3. Your description of the Howling Coyote Group states that an ore deposit is on claim No. 1, but the drill map does not show the position and extent of this deposit. Any surface or underground workings, and mineralized outcrops, with related assay data, should be shown on a map, and the position of the 25 holes proposed should also be shown.

4. Your description of the Husky Basin Group indicates ore deposits on No. 1 and No. 3 claims. The position and extent of the deposit on No. 1 claim should be shown on a map, together with any surface or underground workings, including the tunnel. Any drill logs and assay data available in connection with drilling, excavating, or mining on this group should be presented to us. The position and number of holes represented by the 8,000 feet of drilling proposed on this group should be shown in relation to holes already drilled and excavations already made.

5. Under the Yip Yip Group you state that the ore deposit is on claim No. 2, whereas the drill map shows a deposit on No. 1. Here again, drill logs and assay data on both the drilling and excavating should be furnished us. You first propose approximately 25 new holes on this group and then provide for 50 holes in the summary. The exact number and position of the proposed holes should be shown.

6. You have indicated that there are 12 surface deposits in this general area, including the 5 deposits mentioned above. It is requested that you show the location and extent of all 12 deposits on the large claim map, if possible. An understanding of the size and distribution of the deposits that might be expected in this area and the character and distribution of geologic features would help greatly in appraising the merits of your proposition and in guiding any exploration work decided upon. Any geologic studies of this area made by your staff would, therefore, be helpful.

Upon receipt of the information requested above we shall again refer your application to the Field Team for further investigation.

Sincerely yours,

Ernest Wm. Ellis, Chief
Rare and Misc. Metals Division

MChing:fec
5-7-54
cc: Docket
Code 700
Adm. Read. File
H.D.Keiser, BM
A.P.Butler, GS
J.O.Nester,
Rm.3210 -GSA
Mr. Ching

5/4/54 gla

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAY 3 - 1954

224 New Customhouse
Denver 2, Colorado

April 27, 1954

Memorandum

To: Chairman, Operating Committee, DMEA

From: Field Team, DMEA, Region IV

Subject: Docket No. DMEA 3277 (Uranium), Great Western Uranium Corporation, Too High group, et al, Montrose County, Colorado, and San Juan County, Utah

The subject application was referred for field examination in accordance with your letter of April 1, 1954.

Enclosed herewith is copy of a memorandum from R. P. Fischer to the Region IV Field Team, in which he recommends among other things, that the application be returned to the applicant with the statement that his application is too incomplete to justify a field investigation.

Since this application is not within the delegated authority of this office, we are referring it to you for your consideration and proper action.

W H King
W. H. King

E. N. Haushman
for A. H. Koschmann

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

Department of the Interior
Defense Minerals Administration
MAY 3 - 1954

224 New Customhouse
Denver 2, Colorado

April 27, 1954

Memorandum

To: Chairman, Operating Committee, DMEA

From: Field Team, DMEA, Region IV

Subject: Docket No. DMEA 3277 (Uranium), Great Western Uranium Corporation, Too High group, et al, Montrose County, Colorado, and San Juan County, Utah

The subject application was referred for field examination in accordance with your letter of April 1, 1954.

Enclosed herewith is copy of a memorandum from R. P. Fischer to the Region IV Field Team, in which he recommends among other things, that the application be returned to the applicant with the statement that his application is too incomplete to justify a field investigation.

Since this application is not within the delegated authority of this office, we are referring it to you for your consideration and proper action.

W H King
W. H. King

E M Haschman
for A. H. Koschmann

P. O. Box 360
Grand Junction, Colorado

April 16, 1954

Memorandum

To: W. H. King and A. H. Koschmann, DMEA Field Team, Region IV

From: R. P. Fischer, Supervisor, Colorado Plateau District RPF

Subject: DMEA 3277, Great Western Uranium Corp., Too High group, et al, Montrose County, Colorado, and San Juan County, Utah

Returned herewith is the application and brochure of the subject project. After careful study of the application, it is my considered opinion that the proposed work is too poorly defined and supported to justify field investigation, unless DMEA expressly modifies its present policy of refraining to serve in the capacity of a consultant to set up exploration projects for applicants.

Furthermore, at the present stage of our investigations on the Colorado Plateau, we lack information that would permit us to set up an intelligent project of widely spaced exploration in the area of the applicants property. We lack sufficient understanding of the size and distribution (or frequency of recurrence) of the deposits that might be expected in this area, and we lack adequate knowledge of the geologic guides and the size and distribution of the patches of favorable ground that would contain most of the deposits. Lacking this information, we would not undertake exploration with widely spaced holes in the area as part of our own exploration for AEC, and we would not encourage others to undertake such exploration, with or without government assistance. Unless the applicant can show more clearly the habits of the deposits in the area, and the character and distribution of the geologic features that might be used intelligently to guide exploration - - and there is no reason why the applicant can't obtain this information by his own geologic studies - - we cannot look favorably upon a project of widely spaced exploration in this area at the present time. Perhaps a year or two from now we will have accumulated sufficient information from our own work in ground north of this area that would justify us to make a different appraisal of the general favorableness of the ground and to set up an intelligent exploration project using widely spaced holes.

At the present time we would not promote any work in this area except a project of moderately close-spaced drilling in the immediate vicinity of the deposits known from natural exposures or previous drilling. Such work would be similar to that already done by the applicant, and the work already done could furnish considerable information regarding the geologic habits (size and distribution) of the deposits and the geologic features that might be useful as guides to exploration. The applicant failed to furnish much information of this type with his application.

General and specific criticism regarding the application follow. The discrepancies and omissions mentioned make it difficult to appriase the application, and most of them would require special attention of the field examining team to resolve unless the applicant is required to resolve them. Some of the points already mentioned by A. P. Butler in his memorandum of March 19 are not repeated here.

The maps and text do not jibe in many details.

The proposed exploration is not shown on the maps nor is its character defined in the text, other than "widely spaced".

More information, both surface and subsurface, is needed to determine the required depth of drilling. Information regarding previous drilling would help, at least to determine depths for nearby holes, but a topographic map and a better geologic map would be required in ground away from holes already drilled.

No data regarding previous drilling is given, except the maps showing drill hole sites and the classification of "ore hole" and "barren hole", which are not defined.

Two High (or Too High).--Detail map of Too High 2 and 3 claims don't jibe in position of these two claims with that shown in claim index map. Text says ore deposit on claim No. 6; detail map shows "ore holes" and mine Too High 2. Geologic logs and assay data of six holes already drilled should be furnished to assist in establishing geologic guides and indicate necessary depths. No indication is given as to the proposed position of the 25 holes planned except the general statement in the introductory section "widely spaced exploratory core drilling". The text says "25 tests...average 250 feet deep...approximately 5,000 feet of coring" whereas summary table shows 25 holes, 250-foot depth, total 6,250 feet. Wrong

Howling Coyote group.--Text says ore deposit on claim No. 1, but detailed map does not show position of this deposit.

Brushy Basin group.--Text says ore deposits on No. 1 and No. 3, but detailed map shows only the deposit found by drilling on No. 3. "Perhaps 8,000 feet of exploratory drilling will be necessary to find additional ore in the southern end of these groups of claims" ---as the claims extend 4,500 feet in an E-W direction and only 600 to 1,200 feet in a N-S direction, the sites proposed for exploration aren't very well defined.

Yip Yip group.--Text says ore deposit on claim No. 2 but detailed map shows deposit on Yip Yip No. 1. Text says "Approximately 25 holes are required to furnish exploratory drilling to seek additional nearby ore on this trend", but "this trend" is not explained, nor is it evident from the map as the deposit shown is pretty well ringed by barren holes.

In view of the above considerations, I recommend the application be returned to the applicant with the statement that his application is too incomplete to justify field investigation, and that if he wishes further consideration he should submit complete information, including drill logs and assay data, of the holes already drilled, as well as maps showing present mine workings, mineralized outcrops, and the location of proposed drilling sites. Furthermore, I recommend it be suggested to him that DMEA considers widely spaced exploration in this area too risky to justify approval unless much more geologic information useful in guiding such exploration can be presented, but on the other hand, the government might look more favorably on a smaller project of moderately spaced exploratory drilling in the near vicinity of known deposits, provided he furnishes complete information regarding the work already done and a specific plan for the proposed work. If you care to do so, you can suggest that we will be glad to discuss this in greater detail with him.

RPF/cmb

cc: W. H. King
A. H. Koschmann
A. P. Butler, Jr.
G. J. File
Reading File

Surname
Docket copy

700

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

Ching
Selfridge
Hedges
Larrabee

Mr. L. H. King
Executive Officer
DMEA Field Team, Region IV
224 New Customhouse Building
Denver 2, Colorado

APR 1 1954

Re: Docket No. DMEA-3277 (Uranium)
Great Western Uranium Corp.
Too High Group, et al
Montrose County, Colorado
San Juan County, Utah

Dear Mr. King:

The subject application is being referred to you for investigation and recommendations. A copy of the application is already in your hands.

Enclosed are two copies each of comments and recommendations relative to the application by Arthur P. Butler, Jr. and H. D. Keiser of the Uranium Commodity Committee, dated March 19 and March 15, respectively.

Your attention is called to the following questions and discrepancies related to the application and supporting material:

1. Under Item 3(a), Applicant's property rights; a list of recorded mining claims is attached which includes many claims obviously not intended to be included within the proposed exploration project. Furthermore, Yip Yip No. 5 claim is shown on the list, but not shown on the claim map.

2. The drill map of the Too High area shows drill holes on the Too High No. 2 claim, with the Too High No. 3 claim adjacent on the east, whereas the claim map shows the adjacent claim on the east to be the Buck N Beans No. 1 claim.

3. The Applicant states that ore deposits have already been located in each of the four groups of claims covered by the proposed exploration project. If additional ore bodies are found under the proposed project Applicant must be prepared to pay royalties on all production from any group of claims in which a new discovery has been made.

APPROVED:

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

D. M. Larrabee
Member, Geological Survey (GLS)

Sincerely yours,

George C. Selfridge
Chairman, Operating Committee (GLS)

R.C.S. 4-1-54

MChing/gla 3-29-54

cc to: Adm.Reading File
Operating Committee
Docket
Code 700
MChing

Messrs. HDKeiser, 3641
APButler, Jr. Rm. 3212, GSA
JOHosed, Rm. 3210, GSA

Surname
Docket copy

700

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

Ching
Elks
Lanoha
Hedges
Selfridge

APR 1 1954

Mr. Don Danvers, President
Great Western Uranium Corporation
Moab, Utah

Re: Docket No. DMEA-3277 (Uranium)
Too High Group, et al
Montrose County, Colorado
San Juan County, Utah

Dear Mr. Danvers:

The application for assistance in exploring your property, under the above captioned docket number, has been reviewed by the Rare and Miscellaneous Metals Division of the Defense Minerals Exploration Administration. It has been referred for further investigation to the Executive Officer of Region IV at the following address:

Mr. W. H. King
Executive Officer
DMEA Field Team, Region IV
224 New Customhouse Building
Denver 2, Colorado

The Regional Office will contact you in the event they desire to obtain additional information.

Sincerely yours,

C. D. Mitchell

Administrator

MChing/gla 3-29-54
cc to Adm. Reading File
Docket
Code 700
MChing
DMEA Field Team, Region IV (2)

R.C.B. 4-1-54

STANDARD FORM NO. 64

3/25/54 gla

Office Memorandum • UNITED STATES GOVERNMENT

TO : E. Wm. Ellis, DMEA Member, Uranium Commodity Committee

DATE: March 19, 1954

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAR 24 1954

FROM : Arthur P. Butler, Jr., USGS Member, Uranium Commodity Committee

SUBJECT: Application - DMEA Docket (number not available) 3277, Great Western Uranium Corporation, applicant; claims in the two (Too) High Howling Coyote, Brush Basin, and Yip Yip Groups, Sec. 36 T., 47 N., R. 20 W., Secs. 32 and 33, T. 47 N., R. 19 W., center N. 42, and W. side, T. 46 N., R. 20 W., unsurveyed, Colorado, and Sec. 28, R. T. 29 S., R. 26 E., Utah.

The application for Government assistance to explore the property identified in the subject above has been reviewed.

Comment

The applicant's property lies near or astride a line joining areas where good production has been obtained from the Salt Wash member of the Morrison, 4 miles to the northwest and 6 miles to the southeast. Some ore bodies occur on the applicant's property as indicated by the production record and some are large enough to make reasonable exploration targets if the applicant's estimates of reserves are correct. From the general claim and geologic map, the reviewer infers that these bodies are in the Salt Wash member of the Morrison formation, but one deposit may be in the Brushy Basin member. The presence of ore in a favorable stratigraphic zone near a possible favorable trend of ore-bearing ground in that zone suggests that parts of the applicant's property may be favorable for exploration.

Although the probable distribution of deposits is an important factor in planning suitable exploration, the distribution of deposits is not shown on the general geologic and claim map, nor does the application give information that would indicate whether or not there are any deposits other than those on the claims where exploration is proposed.

The applicant proposes to explore parts of particular claim groups by widely spared exploratory diamond drill holes, but does not define "widely spaced." Neither The application, the maps, nor the applicant's letter of March 5 to the Executive Officer of Region IV define the pattern of drilling or show the location of holes proposed.

Evaluation of the merit of the application and the proposed amount and details of exploration will require consultation with the applicant and possibly examination of the property.

Recommendations

I recommend that this application be referred to the Field Team for appraisal of its general merit and of the plan of exploration. I suggest that the Field Team consult with members of the staff of the Grand Junction Operations Office, U. S. Atomic Energy Commission to obtain any pertinent information they may have.

Arthur P. Butler, Jr.

Copies to: E. Wm. Ellis (2)

3/17/54 glo

Defense Minerals Administration
RECEIVED
MAR 16 1954

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

March 15, 1954

Memorandum

To: Ernest William Ellis, DMEA Member
Uranium Commodity Committee, Room 4640

From: H. D. Keiser, Bureau of Mines Member
Uranium Commodity Committee

Subject: DMEA Docket 3277, Great Western Uranium Corporation, Moab, Utah.

I have reviewed the application included in the subject docket and have discussed it with Joseph O. Hosted, representative of the Atomic Energy Commission.

It is recommended that the application be forwarded to the Field Team for investigation and report, and that the Field Team be requested to discuss the application with Ernest R. Gordon, Director, Exploration Division, Grand Junction Operations Office, Atomic Energy Commission.

H D Keiser
H. D. Keiser

Attachment

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

March 12, 1954
Subject: DMEA-3277
Re: Exploration Assistance
Too High, et al.

Great Western Uranium Corp.
Moab, Utah

Dear Sirs:

The receipt of your application dated Feb. 15, 1954 for exploration assistance under the Defense Production Act of 1950, as amended, is hereby acknowledged.

Your application has been assigned Docket Number DMEA-3277 and referred to the Rare and Miscellaneous Metals Division.

Kindly refer to DMEA-3277 in any future correspondence relating to your application.

Sincerely yours,

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

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

March 12, 1954

Memorandum

To: Executive Officer, DMEA Field Team, Region IV

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 IV.

DMEA - 3277 Great Western Uranium Corp.

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

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

RECEIVED
MAR 12 1954

224 New Customhouse
Denver 2, Colorado

March 8, 1954.

Memorandum

To: Secretary to the Operating Committee, DMEA

From: Field Team, Region IV

Subject: (Uranium) - Application of Great Western Uranium Company, Montrose County, Colorado and San Juan County, Utah.

Enclosed are two copies of the subject application for exploration assistance in the amount of $76,500.00.

Also enclosed are copies of the correspondence with the applicant.

One copy of the application and associated correspondence is being forwarded to Mr. A. P. Butler and one copy of the application is being retained in this office.

W. H. King
W. H. King
Field Team, Region IV

E. M. Hausman
for A. H. Koschmann
Field Team, Region IV

Enclosures

cc: Mr. A. P. Butler w/Encl.

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

MAR 12 1954

224 New Customhouse
Denver 2, Colorado

March 8, 1954.

Memorandum

To: Secretary to the Operating Committee, DMEA

From: Field Team, Region IV

Subject: (Uranium) - Application of Great Western Uranium Company, Montrose County, Colorado and San Juan County, Utah.

Enclosed are two copies of the subject application for exploration assistance in the amount of $76,500.00.

Also enclosed are copies of the correspondence with the applicant.

One copy of the application and associated correspondence is being forwarded to Mr. A. P. Butler and one copy of the application is being retained in this office.

W. H. King
W. H. King
Field Team, Region IV

E. M. Haschmann
for A. H. Koschmann
Field Team, Region IV

Enclosures

cc: Mr. A. P. Butler w/Encl.

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

12 1954

224 New Customhouse
Denver 2, Colorado

March 8, 1954.

Mr. R. J. Vellmeth
Office Manager
Great Western Uranium Corporation
Moab, Utah

Dear Mr. Vellmeth:

This will acknowledge receipt of your application on your Great Western Uranium claims located in Montrose County, Colorado and San Juan County, Utah.

Since the amount of money involved in this application is not within the delegated authority of the Region IV Field Team, we are forwarding your application to the Washington Office for their further consideration and action.

Very truly yours,

W. H. King
Executive Officer
DMEA Field Team, Region IV

HMC:cwm

cc: Subject
Secretary to the Oper. Comm. (1)
AHKoschmann
Chron.

cc: Mr. A. P. Butler
TEPCO
Building 21, Denver Federal Center

C
O
P
Y

Moab, Utah
March 5, 1954.

United States Department of the Interior
Defense Minerals Exploration Administration
224 New Customhouse
Denver 2, Colorado

Attention: W. H. King, Executive Officer

Gentlemen:

In reply to your letter of February 16, 1954 we are pleased to submit the following additional information and request your reconsideration of our application for exploration funds on our Great Western Uranium Corporation claims.

1. We plan on expending any funds advanced for only the work necessary to reasonably delineate and sample the ore body, based on the results of sound and recognized procedures for obtaining pertinent geological information.

2. Our drilling program would procede on the results obtained from preceding drill tests.

3. The exact location of each succeeding drill hole would be based on the results obtained from preceding holes.

4. Funds would not be expended for work normally prosecuted primarily for mining or the preparation for mining, but would be used exclusively for exploration work.

Will you please advise us as to what steps we should take to furnish you with a satisfactory application. We will stake in the field and show the exact location on each drill map if it is necessary. Your advice as to how to procede will be greatly appreciated. Would it be possible to discuss this with one of your field engineers personally.

Very truly yours,

/s/ R. J. Vellmeth
Office Manager
Great Western Uranium Corp.

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

C
O
P
Y

224 New Customhouse
Denver 2, Colorado

February 16, 1954.

Mr. Don Danvers, President
Great Western Uranium Corporation
Moab, Utah

Dear Mr. Danvers:

Returned herewith is your application in quadruplicate for your further consideration and completion of the required information.

Please show the exact location on each drill map of every hole you propose to drill. Your attention is invited to Section 2 of the attached DMEA Order-1 which defines "Exploration Project."

When we receive your completed application, we will be pleased to process it.

Very truly yours,

W. H. King
Executive Officer
DMEA Field Team, Region IV

Enclosures

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

MAR 12 1954

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. 3277
Metal or Mineral Uranium
Date Received
Estimated Cost $76,500
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:

Great Western Uranium Corporation
Moab, Utah
(See attachments for answers to all questions)

(*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

(*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?

☐ 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 February 15, 1954

Great Western Uranium Corporation
(Applicant)

By Don Dawley
President

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

Item 1. (b)

Corporation - State of Delaware

Item 1. (c)

Don Danvers	President and Director	Moab, Utah
Carl N. Albert	Vice-President & Director	Aunt Hack Road Danbury, Connecticut
James L. Thompson	Secretary, Treasurer and Director	Clapboard Ridge Road Danbury, Connecticut
Harry M. Ford	Vice-President & Director	66 West Street Danbury, Connecticut
John C. Dillon	Director	Yonkers, New York

Item 3. (a)

See attached list of recorded mining claims and maps.

Item 3. (b)

Too High
Howling Coyote
Brushy Basin
Yip Yip

Item 3. (c)

Mining claims.

Item 3. (d)

Not applicable.

Item 3. (e)

None.

Item 3. (f)

See attached listing.

Exploration work on the various groups are shown on maps of such exploration around the surface deposits or mines.

The following four groups of claims, together with their exploration and production history, are recommended for widely spaced exploratory coredrilling to ascertain the existence of any deposits further behind the surface exposures than our wagon and core drilling has to date reflected.

Recommended for further exploration are the following areas:

<u>Too High Group</u> Claims 1 through 8

Ore deposit on claim No. 6.

Exploration: 2 mile road extension to approximately forty miles of road system on the two hundred four claims owned by this company. Six weeks continuous bulldozer work, total cost $2,880.00, removing overburden for mining purposes.

Core drilling, six tests, five to an average depth of 105 feet and the sixth to 300 feet. Drilling was done by Sprague and Hanwood with very poor recovery in mineralized zone. Two holes showed indication of commercial ore. (See map)

As many as 25 tests may have to be drilled behind this one deposit to ascertain the presence of additional ore. These holes would likely average 250 feet in depth. A total of approximately 5,000 feet of coring is indicated on this project.

<u>Howling Coyote Group</u> Claims 1 through 7

Ore deposit on claim No. 1.

Exploration: About five miles of the road system was necessary to reach this surface deposit.

A week bulldozing uncovered the surface exposure at a cost of about $420.00.

Wagon drilling of the 3 holes shown was not a success due to bad caving moisture. Ore horizon was not reached.

Core drilling to an approximate depth of 200 feet will be necessary here to find any extension of this rich deposit. Here again it is hoped that 25 holes would suffice.

Brushy Basin Group Claims 1 through 4

Ore deposits on No. 1 and No. 3.

Exploration: About 5 miles of the road network was devoted to reaching these two deposits.

Bulldozing for most of a month was necessary to uncover these deposits. On No. 1 a face was opened up. On No. 3 an overburden was removed. Aside from road work about $2,400.00 was spent on this operation.

Wagon drilling. No work was completed on No. 1 due to moisture. Some steel was left in attempted holes. Ten ore holes were drilled on No. 3 and most of the 23 other holes were prevented from reaching ore depth by high moisture content of the formation.

A big, new wagon drill with a 365 foot compressor was used in this work.

A very high scintillation count was found in the surrounding hills and valleys as well as in the tunnel on Brushy Basin No. 1.

In the general area, almost surrounding these deposits, is felt that a considerable quantity of ore is to be found by core drill methods. Many of the holes will be relatively shallow. Perhaps 8,000 feet of exploratory drilling will be necessary to find additional ore in the southern end of these groups of claims.

Yip Yip Group Claims 1 through 7

Ore deposit on claim No. 2.

Exploration: About two miles of the road network devoted to this operation.

Bulldozing for nearly one month was necessary to make a workable face. This, together with much drilling and shooting, at an expense of about $12,000.00, provided an entry into the ore and roads above it, from which wagon drilling was done.

A total of 27 ore holes was drilled and two barren holes in the ore deposit. A total of 50 additional holes passed through the ore horizon without outlining additional reserves.

Approximately 25 holes are required to furnish exploratory drilling to seek additional nearby ore on this trend. An average depth of 125 feet is indicated.

Summary of Development Drilling

A total of 96 wagon and core tests has been put down, outlining immediate ore deposits. The average depth of about 40 feet per hole totals 3,800 feet of development drilling which has been done.

Summary of Exploratory Drilling Requirements

Group of Claims	No. of Tests	Depth	Total Feet	Cost
Too High Group	25	250'	6,250	$18,750.00
Howling Coyote Group	25	200'	5,000	15,000.00
Brushy Basin Group	80	100'	8,000	24,000.00
Yip Yip Group	50	125'	6,250	18,750.00
Total	180		25,500	$76,500.00

$3.00/ft

Item 4. (b)

	Tons	Percent U_3O_8	Percent V_2O_5
Too High	480	.33	2.35
Howling Coyote	159	.16	1.14
Brushy Basin	722	.24	1.52
Yip Yip	369	.21	.95

In addition to the above, the following production has been made from the same area:

Broken Shoe	8	.27	1.81
Sego Lilly	34	.18	1.61

All of the twelve surface deposits are in the Salt Wash formation of the Morrison and are typical carnotite bedded deposits and vary from several inches to several feet in thickness.

Original estimates from development drilling indicated the following tonnage present in the following deposits:

Yip Yip	1,862.5 tons of	0.255% U_3O_8	and	1.06% V_2O_5
Brushy Basin 3	1,305.1 tons of	0.34% U_3O_8	and	1.54% V_2O_5
Too High	2,500 tons of	0.35% U_3O_8	and	1.00% V_2O_5
Howling Coyote	1,000 tons of	0.15% U_3O_8	and	1.00% V_2O_5

To date, approximately 1,500 tons of ore have been mined. (See 4b)

The claim map also is an aerial geologic map showing the contacts of the various horizons. The original U. S. G. S. general geologic map was supplemented with detailed work the summer of 1953 by 3 graduate Kansas U. students, and is enclosed herein. (See map 4 c)

Item 4. (d)

Roads

Leaving State Highway 46 at a point about 6 miles east of La Sal, at the head of La Sal Creek Canyon, turning southeasterly across the Gray Mesa to an access road 2 miles long, down over the Dakota rim, the camp of the Great Western Uranium Company is reached. (See map 4 c)

From this camp, extending out to all 12 surface deposits, a road system has been built, which, with the access road we built down off of the Dakota rim, totals about 41 miles in length.

Accessibility: Year round shipments of ore were made through the last 12 months as a result of our own grading up of the road from State Highway 46 to our mines. However, the cost in the winter of 1953 of maintaining this road was such that only a skeleton crew is being maintained this winter.

Ore is shipped from this area a distance of 86 miles to Thompson. A cost to us of 2 cents per ton mile is paid out in addition to the 6 cents allowed by the A. E. C.

Item 4. (e)

Manpower

All the requirements for manpower could be met in one day from applicants arriving at the Moab office. As a result of the conditions in the lead and zinc industries, many competent miners are available.

Materials, supplies and equipment are all now available from the many manufacturers serving the mining industry.

Water and Power: Water to meet camp and drilling needs is trucked from nearby La Sal Creek. Power for camp is furnished from a 15 KW light plant.

Item 5. (a)

Minerals

Uranium (carnotite) with it's vanadium content only is being sought by exploration.

Item 5. (b)

The exploration program as outlined under 4 (a) will be done from 100 to 1,000 feet behind surface exposures. (Development work is being done under our own program.)

Item 5. (c)

The work would start immediately if this application receives approval and should be completed within 12 months.

Item 5. (d)

The undersigned, President of the Great Western Uranium Company, operated a core drilling Company, having 6 rigs, for a period of 3 years and drilled tests as deep as 2,400 feet. He is a graduate geologist with 28 years field experience, most of which has been in the drilling and producing field.

A highly experienced but small staff of young men is maintained out of the home office. It consists of office personnel, a field superintendent, one assistant (geological graduate) and two field men. At four mines, Vanadium Queen, Too High, Yellow Cat Blackstone, Yellow Cat Johns and Yellow Cat School Section, working foremen employ 24 competent well paid miners who are producing about 300 tons per week and with an additional incline nearing completion, one starting, a shaft 230 feet about one-half completed and a 432 foot one being contracted.

Estimate of Costs

Item 6. (a)

All core drill work will be done with owner's Mayhew 1000 rig, all bulldozer work is done at a cost of $10.00 per hour.

Drilling as indicated under 4. (a) totals 180 tests, 25,500 feet of drilling at a cost of $3.00 per foot which will include acess roads for a total cost of $76,500.00.

Item 6. (b)

Supervision is maintained by one-fourth the cost of the field office at Moab, one-fourth the superintendent and one-fourth of the graduate geologist assistant.

Item 6. (c)

All supplies for core drilling, including all water, fuel, etc., are figured in the cost per foot for drilling. All costs total $3.00 per foot.

Item 6. (d)

One Mayhew 1000 super core drill rig, together with a tandem water 2½ ton truck, and camp complete. This rig and supplies inventory at $39,000.00

Item 6. (e)

No equipment other than (d) will be used.

Item 6. (f)

No buildings will be used.

Item 6. (g)

No rehabilitation equipment is contemplated. Office equipment, although to be used, is owned by this company but will not be charged to this project. Office and all overhead and bookkeeping will not total more than $400.00 per month.

Item 6. (h)

No contingencies are contemplated.

Item 7. (a)

Yes.

Item 7. (b)

Money and equipment. Any funds required will be furnished from funds in the Greset Western Uranium Company's treasury. It has an income from ore sales in this and other areas.

GREAT WESTERN URANIUM CLAIMS

ON GRAY MESA

NAME OF CLAIM	Original Location Certificate recorded in BOOK	PAGE	COUNTY	STATE
Buxom Babe No. 1	357	163	Montrose	Colorado
Buxom Babe No. 2	357	164	Montrose	Colorado
Buxom Babe No. 3	357	164	Montrose	Colorado
Buxom Babe No. 4	357	165	Montrose	Colorado
Buxom Babe No. 5	357	165	Montrose	Colorado
Buxom Babe No. 6	357	166	Montrose	Colorado
Buxom Babe No. 7	357	166	Montrose	Colorado
Buxom Babe No. 8	357	167	Montrose	Colorado
Buxom Babe No. 9	357	167	Montrose	Colorado
Buxom Babe No. 10	357	168	Montrose	Colorado
Buxom Babe No. 11	357	168	Montrose	Colorado
Buxom Babe No. 12	357	169	Montrose	Colorado
Buxom Babe No. 13	357	169	Montrose	Colorado
Buxom Babe No. 14	31	249	San Juan	Utah
Buxom Babe No. 15	31	249	San Juan	Utah
Buxom Babe No. 16	31	250	San Juan	Utah
Buxom Babe No. 17	31	250	San Juan	Utah
Buxom Babe No. 18	31	251	San Juan	Utah
Buxom Babe No. 19	31	251	San Juan	Utah
Buxom Babe No. 20	31	252	San Juan	Utah
Buck N' Beans No. 1	357	14	Montrose	Colorado
Buck N' Beans No. 2	357	15	Montrose	Colorado
Buck N' Beans No. 3	357	15	Montrose	Colorado
Buck N' Beans No. 4	357	16	Montrose	Colorado
Buck N' Beans No. 5	357	16	Montrose	Colorado
Buck N' Beans No. 6	357	17	Montrose	Colorado
Buck N' Beans No. 7	357	17	Montrose	Colorado
Buck N' Beans No. 8	357	18	Montrose	Colorado
Buck N' Beans No. 9	357	18	Montrose	Colorado
Buck N' Beans No. 10	357	19	Montrose	Colorado
Buck N' Beans No. 11	357	19	Montrose	Colorado
Buck N' Beans No. 12	357	20	Montrose	Colorado
Buck N' Beans No. 13	357	20	Montrose	Colorado
Crazy Horse No. 1	357	3	Montrose	Colorado
Crazy Horse No. 2	357	3	Montrose	Colorado
Crazy Horse No. 3	357	4	Montrose	Colorado
Crazy Horse No. 4	357	4	Montrose	Colorado
Crazy Horse No. 5	357	5	Montrose	Colorado
Crazy Horse No. 6	357	5	Montrose	Colorado
Crazy Horse No. 7	357	6	Montrose	Colorado
Crazy Horse No. 8	357	6	Montrose	Colorado
Crazy Horse No. 9	357	7	Montrose	Colorado
Crazy Horse No. 10	357	7	Montrose	Colorado

NAME OF CLAIM	Original Location Certificate recorded in BOOK	PAGE	COUNTY	STATE
Crazy Horse No. 11	357	8	Montrose	Colorado
Crazy Horse No. 12	357	8	Montrose	Colorado
Crazy Horse No. 13	357	9	Montrose	Colorado
Crazy Horse No. 14	357	9	Montrose	Colorado
Crazy Horse No. 15	357	10	Montrose	Colorado
Crazy Horse No. 16	357	10	Montrose	Colorado
Crazy Horse No. 17	357	11	Montrose	Colorado
Crazy Horse No. 18	357	11	Montrose	Colorado
Crazy Horse No. 19	357	12	Montrose	Colorado
Crazy Horse No. 20	357	12	Montrose	Colorado
Crazy Horse No. 21	357	13	Montrose	Colorado
Crazy Horse No. 22	357	13	Montrose	Colorado
Crazy Horse No. 23	357	14	Montrose	Colorado
✓ Crazy Horse No. 24	366	177	Montrose	Colorado
Too High No. 1	357	21	Montrose	Colorado
Too High No. 2	357	21	Montrose	Colorado
Too High No. 3	357	22	Montrose	Colorado
Too High No. 4	357	22	Montrose	Colorado
Too High No. 5	357	23	Montrose	Colorado
Too High No. 6	357	23	Montrose	Colorado
Too High No. 7	360	490	Montrose	Colorado
✓ Too High No. 8	360	490	Montrose	Colorado
Lucy Yellow Mule No. 1	357	77	Montrose	Colorado
Lucy Yellow Mule No. 2	357	78	Montrose	Colorado
Lucy Yellow Mule No. 3	357	78	Montrose	Colorado
Lucy Yellow Mule No. 4	357	83	Montrose	Colorado
Lucy Yellow Mule No. 5	357	83	Montrose	Colorado
Lucy Yellow Mule No. 6	357	84	Montrose	Colorado
Lucy Yellow Mule No. 7	357	84	Montrose	Colorado
Lucy Yellow Mule No. 8	357	85	Montrose	Colorado
Lucy Yellow Mule No. 9	357	85	Montrose	Colorado
✓ Lucy Yellow Mule No. 10	357	86	Montrose	Colorado
Coughin' Cougar No. 1	360	459	Montrose	Colorado
Coughin' Cougar No. 2	360	459	Montrose	Colorado
Coughin' Cougar No. 3	360	460	Montrose	Colorado
Coughin' Cougar No. 4	360	460	Montrose	Colorado
Coughin' Cougar No. 5	360	461	Montrose	Colorado
Coughin' Cougar No. 6	360	461	Montrose	Colorado
Coughin' Cougar No. 7	360	462	Montrose	Colorado
Coughin' Cougar No. 8	360	462	Montrose	Colorado
Coughin' Cougar No. 9	360	463	Montrose	Colorado
Coughin' Cougar No. 10	360	463	Montrose	Colorado
Coughin' Cougar No. 11	360	464	Montrose	Colorado
Coughin' Cougar No. 12	360	464	Montrose	Colorado
Coughin' Cougar No. 13	360	465	Montrose	Colorado
Coughin' Cougar No. 14	360	465	Montrose	Colorado
Coughin' Cougar No. 15	360	466	Montrose	Colorado
Coughin' Cougar No. 16	360	466	Montrose	Colorado

NAME OF CLAIM	Original Location Certificate recorded in BOOK	PAGE	COUNTY	STATE
Coughin' Cougar No. 17	360	467	Montrose	Colorado
Coughin' Cougar No. 18	360	467	Montrose	Colorado
Coughin' Cougar No. 19	360	468	Montrose	Colorado
✓ Coughin' Cougar No. 20	360	468	Montrose	Colorado
Jay Hawker No. 1	360	469	Montrose	Colorado
Jay Hawker No. 2	360	469	Montrose	Colorado
Jay Hawker No. 3	360	470	Montrose	Colorado
Jay Hawker No. 4	360	470	Montrose	Colorado
Jay Hawker No. 5	360	471	Montrose	Colorado
Jay Hawker No. 6	360	471	Montrose	Colorado
Jay Hawker No. 7	360	472	Montrose	Colorado
Jay Hawker No. 8	360	472	Montrose	Colorado
Jay Hawker No. 9	360	473	Montrose	Colorado
Jay Hawker No. 10	360	473	Montrose	Colorado
Jay Hawker No. 11	360	474	Montrose	Colorado
✓ Jay Hawker No. 12	360	474	Montrose	Colorado
Sego Lilly Lou No. 1	349	443	Montrose	Colorado
Sego Lilly Lou No. 2	349	444	Montrose	Colorado
Sego Lilly Lou No. 3	349	444	Montrose	Colorado
Sego Lilly Lou No. 4	349	445	Montrose	Colorado
Sego Lilly Lou No. 5	349	445	Montrose	Colorado
Sego Lilly Lou No. 6	349	446	Montrose	Colorado
Sego Lilly Lou No. 7	349	446	Montrose	Colorado
Sego Lilly Lou No. 8	349	447	Montrose	Colorado
✓ Sego Lilly Lou No. 9	360	489	Montrose	Colorado
Broken Shoe No. 1	11	29	San Juan	Utah
Broken Shoe No. 2	11	28	San Juan	Utah
Broken Shoe No. 3	13	219	San Juan	Utah
Broken Shoe No. 4	13	220	San Juan	Utah
Broken Shoe No. 5	13	226	San Juan	Utah
Broken Shoe No. 6	13	225	San Juan	Utah
Broken Shoe No. 7	13	224	San Juan	Utah
✓ Broken Shoe No. 8	13	223	San Juan	Utah
Mr. Completely No. 1	349	434	Montrose	Colorado
Mr. Completely No. 2	349	434	Montrose	Colorado
Mr. Completely No. 3	349	435	Montrose	Colorado
Mr. Completely No. 4	349	435	Montrose	Colorado
Mr. Completely No. 5	349	436	Montrose	Colorado
Mr. Completely No. 6	349	436	Montrose	Colorado
Mr. Completely No. 7	349	437	Montrose	Colorado
Mr. Completely No. 8	349	437	Montrose	Colorado
Mr. Completely No. 9	349	438	Montrose	Colorado
Mr. Completely No. 10	349	438	Montrose	Colorado
Mr. Completely No. 11	349	439	Montrose	Colorado
Mr. Completely No. 12	349	439	Montrose	Colorado
Mr. Completely No. 13	349	440	Montrose	Colorado

NAME OF CLAIM	Original Location Certificate recorded in BOOK	PAGE	COUNTY	STATE
Mr. Completely No. 14	349	440	Montrose	Colorado
Mr. Completely No. 15	349	441	Montrose	Colorado
Mr. Completely No. 16	349	441	Montrose	Colorado
Mr. Completely No. 17	349	442	Montrose	Colorado
Mr. Completely No. 18	349	442	Montrose	Colorado
Mr. Completely No. 19	349	443	Montrose	Colorado
Brushy Basin No. 1	349	426	Montrose	Colorado
Brushy Basin No. 1			San Juan	Utah
Brushy Basin No. 2	349	427	Montrose	Colorado
Brushy Basin No. 3	349	427	Montrose	Colorado
Brushy Basin No. 4	13	217	San Juan	Utah
Louise	349	455	Montrose	Colorado
Lulu	349	455	Montrose	Colorado
Yucca No. 1	349	367	Montrose	Colorado
Yucca No. 2	349	367	Montrose	Colorado
Yucca No. 3	349	368	Montrose	Colorado
Yucca No. 4	349	368	Montrose	Colorado
Yucca No. 5	349	369	Montrose	Colorado
Yucca No. 6	349	369	Montrose	Colorado
Yucca No. 7	349	448	Montrose	Colorado
Yucca No. 8	349	449	Montrose	Colorado
Yucca No. 9	349	449	Montrose	Colorado
Yucca No. 10	349	450	Montrose	Colorado
Yucca No. 11	349	450	Montrose	Colorado
Yucca No. 12	349	451	Montrose	Colorado
Yucca No. 13	349	451	Montrose	Colorado
Yucca No. 14	349	452	Montrose	Colorado
Big Casino No. 1	349	424	Montrose	Colorado
Big Casino No. 2	349	425	Montrose	Colorado
Big Casino No. 3	349	425	Montrose	Colorado
Big Casino No. 4	349	426	Montrose	Colorado
Puma No. 1	11	85	San Juan	Utah
Puma No. 2	11	84	San Juan	Utah
Puma No. 3	11	83	San Juan	Utah
Long John No. 1	349	431	Montrose	Colorado
Long John No. 2	349	432	Montrose	Colorado
Long John No. 3	349	432	Montrose	Colorado
Long John No. 4	349	433	Montrose	Colorado
Long John No. 5	349	433	Montrose	Colorado

NAME OF CLAIM	Original Location Certificate recorded in BOOK	PAGE	COUNTY	STATE
Howling Coyote No. 1	349	428	Montrose	Colorado
Howling Coyote No. 2	349	428	Montrose	Colorado
Howling Coyote No. 3	349	429	Montrose	Colorado
Howling Coyote No. 4	349	429	Montrose	Colorado
Howling Coyote No. 5	349	430	Montrose	Colorado
Howling Coyote No. 6	349	430	Montrose	Colorado
Howling Coyote No. 7	349	431	Montrose	Colorado
Yip Yip No. 1	349	232	Montrose	Colorado
Yip Yip No. 2	349	232	Montrose	Colorado
Yip Yip No. 3	349	233	Montrose	Colorado
Yip Yip No. 4	349	233	Montrose	Colorado
Yip Yip No. 5	349	234	Montrose	Colorado
Yip Yip No. 6	349	447	Montrose	Colorado
Yip Yip No. 7	349	448	Montrose	Colorado
Atomizer No. 1	349	363	Montrose	Colorado
Atomizer No. 2	349	363	Montrose	Colorado
Atomizer No. 3	349	364	Montrose	Colorado
Atomizer No. 4	349	364	Montrose	Colorado
Atomizer No. 5	349	365	Montrose	Colorado
Atomizer No. 6	349	365	Montrose	Colorado
Atomizer No. 7	349	366	Montrose	Colorado
Atomizer No. 8	349	366	Montrose	Colorado
Atomizer No. 9	349	423	Montrose	Colorado
Atomizer No. 10	349	424	Montrose	Colorado
William C. Weaver No. 1	349	231	Montrose	Colorado
William C. Weaver No. 2	349	231	Montrose	Colorado

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

OFFICIAL BUSINESS

PENALTY FOR PRIVATE USE TO AVOID
PAYMENT OF POSTAGE, $300
(PM&C)

Maps, Assay Reports and Drill Reports

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAR 24 1954

224 New Customhouse
Denver 2, Colorado

March 8, 1954.

Memorandum

To: Secretary to the Operating Committee, DMEA

From: Field Team, Region IV

Subject: (Uranium) - Application of Great Western Uranium Company, Montrose County, Colorado and San Juan County, Utah.

Enclosed are two copies of the subject application for exploration assistance in the amount of $76,500.00.

Also enclosed are copies of the correspondence with the applicant.

One copy of the application and associated correspondence is being forwarded to Mr. A. P. Butler and one copy of the application is being retained in this office.

W. H. King
W. H. King
Field Team, Region IV

E. M. Hirschman
for A. H. Koschmann
Field Team, Region IV

Enclosures

cc: Mr. A. P. Butler w/Encl.
TEPCO
Building 21, Denver Federal Center

3/16/54.

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAR 24 1954

224 New Customhouse
Denver 2, Colorado

March 8, 1954.

Mr. R. J. Vellmeth
Office Manager
Great Western Uranium Corporation
Moab, Utah

Dear Mr. Vellmeth:

This will acknowledge receipt of your application on your Great Western Uranium claims located in Montrose County, Colorado and San Juan County, Utah.

Since the amount of money involved in this application is not within the delegated authority of the Region IV Field Team, we are forwarding your application to the Washington Office for their further consideration and action.

Very truly yours,

W. H. King
Executive Officer
DMEA Field Team, Region IV

HMC:cwm

cc: Subject
Secretary to the Oper. Comm. (1)
AHKoschmann
Chron.

cc: Mr. A. P. Butler
TEPCO
Building 21, Denver Federal Center

C
O
P
Y

Moab, Utah
March 5, 1954.

United States Department of the Interior
Defense Minerals Exploration Administration
224 New Customhouse
Denver 2, Colorado

Attention: W. H. King, Executive Officer

Gentlemen:

In reply to your letter of February 16, 1954 we are pleased to submit the following additional information and request your reconsideration of our application for exploration funds on our Great Western Uranium Corporation claims.

1. We plan on expending any funds advanced for only the work necessary to reasonably delineate and sample the ore body, based on the results of sound and recognized procedures for obtaining pertinent geological information.

2. Our drilling program would procede on the results obtained from preceding drill tests.

3. The exact location of each succeeding drill hole would be based on the results obtained from preceding holes.

4. Funds would not be expended for work normally prosecuted primarily for mining or the preparation for mining, but would be used exclusively for exploration work.

Will you please advise us as to what steps we should take to furnish you with a satisfactory application. We will stake in the field and show the exact location on each drill map if it is necessary. Your advice as to how to procede will be greatly appreciated. Would it be possible to discuss this with one of your field engineers personally.

Very truly yours,

/s/ R. J. Vellmeth
Office Manager
Great Western Uranium Corp.

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

DEPARTMENT OF THE INTERIOR
Defense Minerals
MAR 24 1954

C
O
P
Y

224 New Customhouse
Denver 2, Colorado

February 16, 1954.

Mr. Don Danvers, President
Great Western Uranium Corporation
Moab, Utah

Dear Mr. Danvers:

Returned herewith is your application in quadruplicate for your further consideration and completion of the required information.

Please show the exact location on each drill map of every hole you propose to drill. Your attention is invited to Section 2 of the attached DMEA Order-1 which defines "Exploration Project."

When we receive your completed application, we will be pleased to process it.

Very truly yours,

W. H. King
Executive Officer
DMEA Field Team, Region IV

Enclosures

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

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. .....
Metal or Mineral .....
Date Received .....
Estimated Cost .....
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: Great Western Uranium Corporation
Moab, U tah
(See attachments for answers to all questions)

(*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 .....

(*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?

☐ 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 February 15, 1954

Great Western Uranium Corporation
(Applicant)

By Don Damkey
President

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

Item 1. (b)

Corporation - State of Delaware

Item 1. (c)

Don Danvers	President and Director	Moab, Utah
Carl N. Albert	Vice-President & Director	Hunt Hack Road Danbury, Connecticut
James L. Thompson	Secretary, Treasurer and Director	Clapboard Ridge Road Danbury, Connecticut
Harry M. Ford	Vice-President & Director	66 West Street Danbury, Connecticut
John C. Dillon	Director	Yonkers, New York

Item 3. (a)

See attached list of recorded mining claims and maps.

Item 3. (b)

Too High
Howling Coyote
Brushy Basin
Yip Yip

Item 3. (c)

Mining claims.

Item 3. (d)

Not applicable.

Item 3. (e)

None.

Item 3. (f)

See attached listing.

Exploration work on the various groups are shown on maps of such exploration around the surface deposits or mines.

The following four groups of claims, together with their exploration and production history, are recommended for widely spaced exploratory coredrilling to ascertain the existence of any deposits further behind the surface exposures than our wagon and core drilling has to date reflected.

Recommended for further exploration are the following areas:

Too High Group Claims 1 through 8

Ore deposit on claim No. 6.

Exploration: 2 mile road extension to approximately forty miles of road system on the two hundred four claims owned by this company. Six weeks continuous bulldozer work, total cost $2,880.00, removing overburden for mining purposes.

Core drilling, six tests, five to an average depth of 105 feet and the sixth to 300 feet. Drilling was done by Sprague and Henwood with very poor recovery in mineralized zone. Two holes showed indication of commercial ore. (See map)

As many as 25 tests may have to be drilled behind this one deposit to ascertain the presence of additional ore. These holes would likely average 250 feet in depth. A total of approximately 5,000 feet of coring is indicated on this project.

Howling Coyote Group Claims 1 through 7

Ore deposit on claim No. 1.

Exploration: About five miles of the road system was necessary to reach this surface deposit.

A week bulldozing uncovered the surface exposure at a cost of about $480.00.

Wagon drilling of the 3 holes shown was not a success due to bad caving moisture. Ore horizon was not reached.

Core drilling to an approximate depth of 200 feet will be necessary here to find any extension of this rim deposit. Here again it is hoped that 25 holes would suffice.

Brushy Basin Group Claims 1 through 4

Ore deposits on No. 1 and No. 3.

Exploration: About 5 miles of the road network was devoted to reaching these two deposits.

Bulldozing for most of a month was necessary to uncover these deposits. On No. 1 a face was opened up. On No. 3 an overburden was removed. Aside from road work about $2,400.00 was spent on this operation.

Wagon drilling. No work was completed on No. 1 due to moisture. Some steel was left in attempted holes. Ten ore holes were drilled on No. 3 and most of the 23 other holes were prevented from reaching ore depth by high moisture content of the formation.

A big, new wagon drill with a 365 foot compressor was used in this work.

A very high scintillation count was found in the surrounding hills and valleys as well as in the tunnel on Brushy Basin No. 1.

In the general area, almost surrounding these deposits, is felt that a considerable quantity of ore is to be found by core drill methods. Many of the holes will be relatively shallow. Perhaps 8,000 feet of exploratory drilling will be necessary to find additional ore in the southern end of these groups of claims.

Yip Yip Group Claims 1 through 7

Ore deposit on claim No. 2.

Exploration: About two miles of the road network devoted to this operation.

B ulldozing for nearly one month was necessary to make a workable face. This, together with much drilling and shooting, at an expense of about $12,000.00, provided an entry into the ore and roads above it, from which wagon drilling was done.

A total of 27 ore holes was drilled and two barren holes in the ore deposit. A total of 50 additional holes passed through the ore horizon without outlining additional reserves.

Approximately 25 holes are required to furnish exploratory drilling to seek additional nearby ore on this trend. An average depth of 125 feet is indicated.

Good Road?

Summary of Development Drilling

A total of 96 wagon and core tests has been put down, outlining immediate ore deposits. The average depth of about 40 feet per hole totals 3,800 feet of development drilling which has been done.

Summary of Exploratory Drilling Requirements

Group of Claims	No. of Tests	Depth	Total Feet	Cost
Too High Group	25	250'	6,250	$18,750.00
Howling Coyote Group	25	200'	5,000	15,000.00
Brushy Basin Group	20	100'	3,000	24,000.00
Yip Yip Group	50	125'	6,250	18,750.00
Total	180		25,500	$76,500.00

Item 4. (b) (Reserves or production)

	Tons	Percent U_3O_8	Percent V_2O_5
Too High	480	.33	2.35
Howling Coyote	159	.16	1.14
Brushy Basin	722	.24	1.52
Yip Yip	369	.21	.95
	1730		

In addition to the above, the following production has been made from the same area:

Broken Shoe	8	.27	1.81
Sego Lilly	34	.18	1.61

All of the twelve surface deposits are in the Salt Wash formation of the Morrison and are typical carnotite bedded deposits and vary from several inches to several feet in thickness.

Original estimates from development drilling indicated the following tonnage present in the following deposits:

					Shown on map Min. T.
Yip Yip	1,862.5 tons of	0.255% U_3O_8	and 1.06% V_2O_5		400
Brushy Basin 3	1,305.1 tons of	0.34% U_3O_8	and 1.54% V_2O_5		500
Too High	2,500 tons of	0.35% U_3O_8	and 1.60% V_2O_5		500
Howling Coyote	1,000 tons of	0.15% U_3O_8	and 1.00% V_2O_5		
					1400 @ .25 est. lb.

To date, approximately 1,500 tons of ore have been mined. (See 4b)

The claim map also is an aerial geologic map showing the contacts of the various horizons. The original U. S. G. S. general geologic map was supplemented with detailed work the summer of 1953 by 3 graduate Kansas U. students, and is enclosed herein. (See map 4 c)

Item 4. (d)

Roads

Leaving State Highway 46 at a point about 6 miles east of La Sal, at the head of La Sal Creek Canyon, turning southeasterly across the Wray Mesa to an access road 8 miles long, down over the Dakota rim, the camp of the Great Western Uranium Company is reached. (See map 4 c)

From this camp, extending out to all 12 surface deposits, a road system has been built, which, with the access road we built down off of the Dakota rim, totals about 41 miles in length.

Accessibility: Year round shipments of ore were made through the last 12 months as a result of our own grading up of the road from State Highway 46 to our mines. However, the cost in the winter of 1953 of maintaining this road was such that only a skeleton crew is being maintained this winter.

Ore is shipped from this area a distance of 86 miles to Thompson. A cost to us of 2 cents per ton mile is paid out in addition to the 6 cents allowed by the A. E. C.

Item 4. (e)

Manpower

All the requirements for manpower could be met in one day from applicants arriving at the Moab office. As a result of the conditions in the lead and zinc industries, many competent miners are available.

Materials, supplies and equipment are all now available from the many manufacturers serving the mining industry.

Water and Power: Water to meet camp and drilling needs is trucked from nearby La Sal Creek. Power for camp is furnished from a 1500 KVA light plant.

Item 5. (a)

Minerals

Uranium (carnotite) with it's vanadium content only is being sought by exploration.

Item 5. (b)

The exploration program as outlined under 4(a) will be done from 100 to 1,000 feet behind surface exposures. (Development work is being done under our own program.)

Item 5. (c)

The work would start immediately if this application receives approval and should be completed within 12 months.

Item 5. (d)

The undersigned, President of the Great Western Uranium Company, operated a core drilling Company, having 6 rigs, for a period of 3 years and drilled tests as deep as 2,400 feet. He is a graduate geologist with 28 years field experience, most of which has been in the drilling and producing field.

A highly experienced but small staff of young men is maintained out of the Moab office. It consists of office personnel, a field superintendent, one assistant (geological graduate) and two field men. At four mines, Vanadium Queen, Too High, Yellow Cat Blackstone, Yellow Cat Johns and Yellow Cat School Section, working foremen employ 24 competant well paid miners who are producing about 300 tons per week and with an additional incline nearing completion, one starting, a shaft 200 feet about one-half completed and a 432 foot one being contracted.

Estimate of Costs

Item 6. (a)

All core drill work will be done with owner's Mayhew 1000 rig, all bulldozer work is done at a cost of $10.00 per hour.

Drilling as indicated under 4. (a) totals 180 tests, 25,500 feet of drilling at a cost of $3.00 per foot which will include acess roads for a total cost of $76,500.00.

Item 6. (b)

Supervision is maintained by one-fourth the cost of the field office at Moab, one-fourth the superintendent and one-fourth of the graduate geologist assistant.

Item 6. (c)

All supplies for core drilling, including all water, fuel, etc., are figured in the cost per foot for drilling. All costs total $3.00 per foot.

Item 6. (d)

One Mayhew 1000 super core drill rig, together with a tandem water 2½ ton truck, and camp complete. This rig and supplies inventory at $39,000.00

Item 6. (e)

No equipment other than (d) will be used.

Item 6. (f)

No buildings will be used.

Item 6. (g)

No rehabilitation equipment is contemplated. Office equipment, although to be used, is owned by this company but will not be charged to this project. Office and all overhead and bookkeeping will not total more than $400.00 per month.

Item 6. (h)

No contingencies are contemplated.

Item 7. (a)

Yes.

Item 7. (b)

Money and equipment. Any funds required will be furnished from funds in the Greast Western Uranium Company's treasury. It has an income from ore sales in this and other areas.

GREAT WESTERN URANIUM CLAIMS

ON WRAY MESA

NAME OF CLAIM	Original Location Certificate recorded in BOOK	PAGE	COUNTY	STATE
Buxom Babe No. 1	357	163	Montrose	Colorado
B uxom Babe No. 2	357	164	Montrose	Colorado
Buxom Babe No. 3	357	164	Montrose	Colorado
Buxom Babe No. 4	357	165	Montrose	Colorado
Buxom Babe No. 5	357	165	Montrose	Colorado
Buxom Babe No. 6	357	166	Montrose	Colorado
Buxom Babe No. 7	357	166	Montrose	Colorado
Buxom Babe No. 8	357	167	Montrose	Colorado
Buxom Babe No. 9	357	167	Montrose	Colorado
Buxom Babe No. 10	357	168	Montrose	Colorado
Buxom Babe No. 11	357	168	Montrose	Colorado
Buxom Babe No. 12	357	169	Montrose	Colorado
Buxom Babe No. 13	357	169	Montrose	Colorado
Buxom Babe No. 14	31	249	San Juan	Utah
Buxom Babe No. 15	31	249	San Juan	Utah
Buxom Babe No. 16	31	250	San Juan	Utah
Buxom Babe No. 17	31	250	San Juan	Utah
Buxom Babe No. 18	31	251	San Juan	Utah
Buxom Babe No. 19	31	251	San Juan	Utah
Buxom Babe No. 20	31	252	San Juan	Utah
Buck N' B eans No. 1	357	14	Montrose	Colorado
Buck N' Beans No. 2	357	15	Montrose	Colorado
Buck N' Beans No. 3	357	15	Montrose	Colorado
Buck N' Beans No. 4	357	16	Montrose	Colorado
Buck N' Beans No. 5	357	16	Montrose	Colorado
Buck N' Beans No. 6	357	17	Montrose	Colorado
Buck N' Beans No. 7	357	17	Montrose	Colorado
Buck N' Beans No. 8	357	18	Montrose	Colorado
Buck N' Beans No. 9	357	18	Montrose	Colorado
Buck N' Beans No. 10	357	19	Montrose	Colorado
Buck N' Beans No. 11	357	19	Montrose	Colorado
Buck N' Beans No. 12	357	20	Montrose	Colorado
Buck N' Beans No. 13	357	20	Montrose	Colorado
Crazy Horse No. 1	357	3	Montrose	Colorado
Crazy Horse No. 2	357	3	Montrose	Colorado
Crazy Horse No. 3	357	4	Montrose	Colorado
Crazy Horse No. 4	357	4	Montrose	Colorado
Crazy Horse No. 5	357	5	Montrose	Colorado
Crazy Horse No. 6	357	5	Montrose	Colorado
Crazy Horse No. 7	357	6	Montrose	Colorado
Crazy Horse No. 8	357	6	Montrose	Colorado
Crazy Horse No. 9	357	7	Montrose	Colorado
Crazy Horse No. 10	357	7	Montrose	Colorado

NAME OF CLAIM	Original Location Certificate recorded in BOOK	PAGE	COUNTY	STATE
Crazy Horse No. 11	357	8	Montrose	Colorado
Crazy Horse No. 12	357	8	Montrose	Colorado
Crazy Horse No. 13	357	9	Montrose	Colorado
Crazy Horse No. 14	357	9	Montrose	Colorado
Crazy Horse No. 15	357	10	Montrose	Colorado
Crazy Horse No. 16	357	10	Montrose	Colorado
Crazy Horse No. 17	357	11	Montrose	Colorado
Crazy Horse No. 18	357	11	Montrose	Colorado
Crazy Horse No. 19	357	12	Montrose	Colorado
Crazy Horse No. 20	357	12	Montrose	Colorado
Crazy Horse No. 21	357	13	Montrose	Colorado
Crazy Horse No. 22	357	13	Montrose	Colorado
Crazy Horse No. 23	357	14	Montrose	Colorado
Crazy Horse No. 24	366	177	Montrose	Colorado
Too High No. 1	357	21	Montrose	Colorado
Too High No. 2	357	21	Montrose	Colorado
Too High No. 3	357	22	Montrose	Colorado
Too High No. 4	357	22	Montrose	Colorado
Too High No. 5	357	23	Montrose	Colorado
Too High No. 6	357	23	Montrose	Colorado
Too High No. 7	360	490	Montrose	Colorado
Too High No. 8	360	490	Montrose	Colorado
Lucy Yellow Mule No. 1	357	77	Montrose	Colorado
Lucy Yellow Mule No. 2	357	78	Montrose	Colorado
Lucy Yellow Mule No. 3	357	78	Montrose	Colorado
Lucy Yellow Mule No. 4	357	83	Montrose	Colorado
Lucy Yellow Mule No. 5	357	83	Montrose	Colorado
Lucy Yellow Mule No. 6	357	84	Montrose	Colorado
Lucy Yellow Mule No. 7	357	84	Montrose	Colorado
Lucy Yellow Mule No. 8	357	85	Montrose	Colorado
Lucy Yellow Mule No. 9	357	85	Montrose	Colorado
Lucy Yellow Mule No. 10	357	86	Montrose	Colorado
Coughin' Cougar No. 1	360	459	Montrose	Colorado
Coughin' Cougar No. 2	360	459	Montrose	Colorado
Coughin' Cougar No. 3	360	460	Montrose	Colorado
Coughin' Cougar No. 4	360	460	Montrose	Colorado
Coughin' Cougar No. 5	360	461	Montrose	Colorado
Coughin' Cougar No. 6	360	461	Montrose	Colorado
Coughin' Cougar No. 7	360	462	Montrose	Colorado
Coughin' Cougar No. 8	360	462	Montrose	Colorado
Coughin' Cougar No. 9	360	463	Montrose	Colorado
Coughin' Cougar No. 10	360	463	Montrose	Colorado
Coughin' Cougar No. 11	360	464	Montrose	Colorado
Coughin' Cougar No. 12	360	464	Montrose	Colorado
Coughin' Cougar No. 13	360	465	Montrose	Colorado
Coughin' Cougar No. 14	360	465	Montrose	Colorado
Coughin' Cougar No. 15	360	466	Montrose	Colorado
Coughin' Cougar No. 16	360	466	Montrose	Colorado

NAME OF CLAIM	Original Location Certificate recorded in BOOK	PAGE	COUNTY	STATE
Coughin' Cougar No. 17	360	467	Montrose	Colorado
Coughin' Cougar No. 18	360	467	Montrose	Colorado
Coughin' Cougar No. 19	360	468	Montrose	Colorado
Coughin' Cougar No. 20	360	468	Montrose	Colorado
Jay Hawker No. 1	360	469	Montrose	Colorado
Jay Hawker No. 2	360	469	Montrose	Colorado
Jay Hawker No. 3	360	470	Montrose	Colorado
Jay Hawker No. 4	360	470	Montrose	Colorado
Jay Hawker No. 5	360	471	Montrose	Colorado
Jay Hawker No. 6	360	471	Montrose	Colorado
Jay Hawker No. 7	360	472	Montrose	Colorado
Jay Hawker No. 8	360	472	Montrose	Colorado
Jay Hawker No. 9	360	473	Montrose	Colorado
Jay Hawker No. 10	360	473	Montrose	Colorado
Jay Hawker No. 11	360	474	Montrose	Colorado
Jay Hawker No. 12	360	474	Montrose	Colorado
Sego Lilly Lou No. 1	349	443	Montrose	Colorado
Sego Lilly Lou No. 2	349	444	Montrose	Colorado
Sego Lilly Lou No. 3	349	444	Montrose	Colorado
Sego Lilly Lou No. 4	349	445	Montrose	Colorado
Sego Lilly Lou No. 5	349	445	Montrose	Colorado
Sego Lilly Lou No. 6	349	446	Montrose	Colorado
Sego Lilly Lou No. 7	349	446	Montrose	Colorado
Sego Lilly Lou No. 8	349	447	Montrose	Colorado
Sego Lilly Lou No. 9	360	489	Montrose	Colorado
Broken Shoe No. 1	11	29	San Juan	Utah
Broken Shoe No. 2	11	28	San Juan	Utah
Broken Shoe No. 3	13	219	San Juan	Utah
Broken Shoe No. 4	13	220	San Juan	Utah
Broken Shoe No. 5	13	226	San Juan	Utah
Broken Shoe No. 6	13	225	San Juan	Utah
Broken Shoe No. 7	13	224	San Juan	Utah
Broken Shoe No. 8	13	223	San Juan	Utah
Mr. Completely No. 1	349	434	Montrose	Colorado
Mr. Completely No. 2	349	434	Montrose	Colorado
Mr. Completely No. 3	349	435	Montrose	Colorado
Mr. Completely No. 4	349	435	Montrose	Colorado
Mr. Completely No. 5	349	436	Montrose	Colorado
Mr. Completely No. 6	349	436	Montrose	Colorado
Mr. Completely No. 7	349	437	Montrose	Colorado
Mr. Completely No. 8	349	437	Montrose	Colorado
Mr. Completely No. 9	349	438	Montrose	Colorado
Mr. Completely No. 10	349	438	Montrose	Colorado
Mr. Completely No. 11	349	439	Montrose	Colorado
Mr. Completely No. 12	349	439	Montrose	Colorado
Mr. Completely No. 13	349	440	Montrose	Colorado

NAME OF CLAIM	Original Location Certificate recorded in BOOK	PAGE	COUNTY	STATE
Mr. Completely No. 14	349	440	Montrose	Colorado
Mr. Completely No. 15	349	441	Montrose	Colorado
Mr. Completely No. 16	349	441	Montrose	Colorado
Mr. Completely No. 17	349	442	Montrose	Colorado
Mr. Completely No. 18	349	442	Montrose	Colorado
Mr. Completely No. 19	349	443	Montrose	Colorado
Brushy Basin No. 1	349	426	Montrose	Colorado
Brushy Basin No. 1			San Juan	Utah
Brushy Basin No. 2	349	427	Montrose	Colorado
Brushy Basin No. 3	349	427	Montrose	Colorado
Brushy Basin No. 4	13	217	San Juan	Utah
Louise	349	455	Montrose	Colorado
Lulu	349	455	Montrose	Colorado
Yucca No. 1	349	367	Montrose	Colorado
Yucca No. 2	349	367	Montrose	Colorado
Yucca No. 3	349	368	Montrose	Colorado
Yucca No. 4	349	368	Montrose	Colorado
Yucca No. 5	349	369	Montrose	Colorado
Yucca No. 6	349	369	Montrose	Colorado
Yucca No. 7	349	448	Montrose	Colorado
Yucca No. 8	349	449	Montrose	Colorado
Yucca No. 9	349	449	Montrose	Colorado
Yucca No. 10	349	450	Montrose	Colorado
Yucca No. 11	349	450	Montrose	Colorado
Yucca No. 12	349	451	Montrose	Colorado
Yucca No. 13	349	451	Montrose	Colorado
Yucca No. 14	349	452	Montrose	Colorado
B ig Casino No. 1	349	424	Montrose	Colorado
Big Casino No. 2	349	425	Montrose	Colorado
Big Casino No. 3	349	425	Montrose	Colorado
Big Casino No. 4	349	426	Montrose	Colorado
Puma No. 1	11	85	San Juan	Utah
Puma No. 2	11	84	San Juan	Utah
Puma No. 3	11	83	San Juan	Utah
Long John No. 1	349	431	Montrose	Colorado
Long John No. 2	349	432	Montrose	Colorado
Long John No. 3	349	432	Montrose	Colorado
Long John No. 4	349	433	Montrose	Colorado
Long John No. 5	349	433	Montrose	Colorado

NAME OF CLAIM	Original Location Certificate recorded in BOOK	PAGE	COUNTY	STATE
Howling Coyote No. 1	349	428	Montrose	Colorado
Howling Coyote No. 2	349	428	Montrose	Colorado
Howling Coyote No. 3	349	429	Montrose	Colorado
Howling Coyote No. 4	349	429	Montrose	Colorado
Howling Coyote No. 5	349	430	Montrose	Colorado
Howling Coyote No. 6	349	430	Montrose	Colorado
Howling Coyote No. 7	349	431	Montrose	Colorado
Yip Yip No. 1	349	232	Montrose	Colorado
Yip Yip No. 2	349	232	Montrose	Colorado
Yip Yip No. 3	349	233	Montrose	Colorado
Yip Yip No. 4	349	233	Montrose	Colorado
Yip Yip No. 5	349	234	Montrose	Colorado
Yip Yip No. 6	349	447	Montrose	Colorado
Yip Yip No. 7	349	448	Montrose	Colorado
Atomizer No. 1	349	363	Montrose	Colorado
Atomizer No. 2	349	363	Montrose	Colorado
Atomizer No. 3	349	364	Montrose	Colorado
Atomizer No. 4	349	364	Montrose	Colorado
Atomizer No. 5	349	365	Montrose	Colorado
Atomizer No. 6	349	365	Montrose	Colorado
Atomizer No. 7	349	366	Montrose	Colorado
Atomizer No. 8	349	366	Montrose	Colorado
Atomizer No. 9	349	423	Montrose	Colorado
Atomizer No. 10	349	424	Montrose	Colorado
William C. Weaver No. 1	349	231	Montrose	Colorado
William C. Weaver No. 2	349	231	Montrose	Colorado

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

Defense Minerals Administration
RECEIVED
MAR 12 1954

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. 3277
Metal or Mineral Uranium
Date Received ~~Uranium~~
Estimated Cost $76,500
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:

Great Western Uranium Corporation
Moab, Utah
(See attachments for answers to all questions

(*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

(*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 nee[illegible] 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?

☐ 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 February 15, 1954

Great Western Uranium Corporation
(Applicant)

By Don Dawley
President

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

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

Item 1. (b)

Corporation - State of Delaware

Item 1. (c)

Don Danvers	President and Director	Moab, Utah
Carl N. Albert	Vice-President & Director	Aunt Hack Road Danbury, Connecticut
James L. Thompson	Secretary, Treasurer and Director	Clapboard Ridge Road Danbury, Connecticut
Harry M. Ford	Vice-President & Director	66 West Street Danbury, Connecticut
John C. Dillon	Director	Yonkers, New York

Item 3. (a)

See attached list of recorded mining claims and maps.

Item 3. (b)

Too High
Howling Coyote
Brushy Basin
Yip Yip

Item 3. (c)

Mining claims.

Item 3. (d)

Not applicable.

Item 3. (e)

None.

Item 3. (f)

See attached listing.

Exploration work on the various groups are shown on maps of such exploration around the surface deposits or mines.

The following four groups of claims, together with their exploration and production history, are recommended for widely spaced exploratory coredrilling to ascertain the existence of any deposits further behind the surface exposures than our wagon and core drilling has to date reflected.

Recommended for further exploration are the following areas:

Too High Group Claims 1 through 8

Ore deposit on claim No. 6.

Exploration: 2 mile road extension to approximately forty miles of road system on the two hundred four claims owned by this company. Six weeks continuous bulldozer work, total cost $2,880.00, removing overburden for mining purposes.

Core drilling, six tests, five to an average depth of 105 feet and the sixth to 300 feet. Drilling was done by Sprague and Henwood with very poor recovery in mineralized zone. Two holes showed indication of commercial ore. (See map)

As many as 25 tests may have to be drilled behind this one deposit to ascertain the presence of additional ore. These holes would likely average 250 feet in depth. A total of approximately 5,000 feet of coring is indicated on this project.

Howling Coyote Group Claims 1 through 7

Ore deposit on claim No. 1.

Exploration: About five miles of the road system was necessary to reach this surface deposit.

A week bulldozing uncovered the surface exposure at a cost of about $480.00.

Wagon drilling of the 3 holes shown was not a success due to bad caving moisture. Ore horizon was not reached.

Core drilling to an approximate depth of 200 feet will be necessary here to find any extension of this rim deposit. Here again it is hoped that 25 holes would suffice.

Brushy Basin Group Claims 1 through 4

Ore deposits on No. 1 and No. 3.

Exploration: About 5 miles of the road network was devoted to reaching these two deposits.

Bulldozing for most of a month was necessary to uncover these deposits. On No. 1 a face was opened up. On No. 3 an overburden was removed. Aside from road work about $2,400.00 was spent on this operation.

Wagon drilling. No work was completed on No. 1 due to moisture. Some steel was left in attempted holes. Ten ore holes were drilled on No. 3 and most of the 23 other holes were prevented from reaching ore depth by high moisture content of the formation.

A big, new wagon drill with a 365 foot compressor was used in this work.

A very high scintillation count was found in the surrounding hills and valleys as well as in the tunnel on Brushy Basin No. 1.

In the general area, almost surrounding these deposits, is felt that a considerable quantity of ore is to be found by core drill methods. Many of the holes will be relatively shallow. Perhaps 8,000 feet of exploratory drilling will be necessary to find additional ore in the southern end of these groups of claims.

Yip Yip Group Claims 1 through 7

Ore deposit on claim No. 2.

Exploration: About two miles of the road network devoted to this operation.

B ulldozing for nearly one month was necessary to make a workable face. This, together with much drilling and shooting, at an expense of about $12,000.00, provided an entry into the ore and roads above it, from which wagon drilling was done.

A total of 27 ore holes was drilled and two barren holes in the ore deposit. A total of 50 additional holes passed through the ore horizon without outlining additional reserves.

Approximately 25 holes are required to furnish exploratory drilling to seek additional nearby ore on this trend. An average depth of 125 feet is indicated.

Summary of Development Drilling

A total of 96 wagon and core tests has been put down, outlining immediate ore deposits. The average depth of about 40 feet per hole totals 3,800 feet of development drilling which has been done.

Summary of Exploratory Drilling Requirements

Group of Claims	No. of Tests	Depth	Total Feet	Cost
Too High Group	25	250'	6,250	$18,750.00
Howling Coyote Group	25	200'	5,000	15,000.00
Brushy Basin Group	80	100'	8,000	24,000.00
Yip Yip Group	50	125'	6,250	18,750.00
Total	180		25,500	$76,500.00

Item 4. (b)

	Tons	Percent U_3O_8	Percent V_2O_5
Too High	480	.33	2.35
Howling Coyote	159	.16	1.14
Brushy Basin	722	.24	1.52
Yip Yip	369	.21	.95

In addition to the above, the following production has been made from the same area:

Broken Shoe	8	.27	1.81
Sego Lilly	34	.18	1.61

All of the twelve surface deposits are in the Salt Wash formation of the Morrison and are typical carnotite bedded deposits and vary from several inches to several feet in thickness.

Original estimates from development drilling indicated the following tonnage present in the following deposits:

Yip Yip	1,862.5	tons of	0.255% U_3O_8	and	1.06% V_2O_5
Brushy Basin 3	1,305.1	tons of	0.34% U_3O_8	and	1.54% V_2O_5
Too High	2,500	tons of	0.35% U_3O_8	and	1.60% V_2O_5
Howling Coyote	1,000	tons of	0.15% U_3O_8	and	1.00% V_2O_5

To date, approximately 1,500 tons of ore have been mined. (See 4b)

The claim map also is an aerial geologic map showing the contacts of the various horizons. The original U. S. G. S. general geologic map was supplemented with detailed work the summer of 1953 by 3 graduate Kansas U. students, and is enclosed herein. (See map 4 c)

Item 4. (d)

Roads

Leaving State Highway 46 at a point about 6 miles east of La Sal, at the head of La Sal Creek Canyon, turning southeasterly across the Wray Mesa to an access road 8 miles long, down over the Dakota rim, the camp of the Great Western Uranium Company is reached. (See map 4 c)

From this camp, extending out to all 12 surface deposits, a road system has been built, which, with the access road we built down off of the Dakota rim, totals about 41 miles in length.

Accessibility: Year round shipments of ore were made through the last 12 months as a result of our own grading up of the road from State Highway 46 to our mines. However, the cost in the winter of 1953 of maintaining this road was such that only a skeleton crew is being maintained this winter.

Ore is shipped from this area a distance of 86 miles to Thompson. A cost to us of 2 cents per ton mile is paid out in addition to the 6 cents allowed by the A. E. C.

Item 4. (e)

Manpower

All the requirements for manpower could be met in one day from applicants arriving at the Moab office. As a result of the conditions in the lead and zinc industries, many competant miners are available.

Materials, supplies and equipment are all now available from the many manufacturers serving the mining industry.

Water and Power: Water to meet camp and drilling needs is trucked from nearby La Sal Creek. Power for camp is furnished from a 1500 KVA light plant.

Item 5. (a)

Minerals

Uranium (carnotite) with it's vanadium content only is being sought by exploration.

Item 5. (b)

The exploration program as outlined under 4 (a) will be done from 100 to 1,000 feet behind surface exposures. (Development work is being done under our own program.)

Item 5. (c)

The work would start immediately if this application receives approval and should be completed within 12 months.

Item 5. (d)

The undersigned, President of the Great Western Uranium Company, operated a core drilling Company, having 6 rigs, for a period of 3 years and drilled tests as deep as 2,400 feet. He is a graduate geologist with 28 years field experience, most of which has been in the drilling and producing field.

A highly experienced but small staff of young men is maintained out of the Moab office. It consists of office personnel, a field superintendent, one assistant (geological graduate) and two field men. At four mines, Vanadium Queen, Too High, Yellow Cat Blackstone, Yellow Cat Johns and Yellow Cat School Section, working foremen employ 24 competant well paid miners who are producing about 300 tons per week and with an additional incline nearing completion, one starting, a shaft 200 feet about one-half completed and a 432 foot one being contracted.

Estimate of Costs

Item 6. (a)

All core drill work will be done with owner's Mayhew 1000 rig, all bulldozer work is done at a cost of $10.00 per hour.

Drilling as indicated under 4. (a) totals 180 tests, 25,500 feet of drilling at a cost of $3.00 per foot which will include acess roads for a total cost of $76,500.00.

Item 6. (b)

Supervision is maintained by one-fourth the cost of the field office at Moab, one-fourth the superintendent and one-fourth of the graduate geologist assistant.

Item 6. (c)

All supplies for core drilling, including all water, fuel, etc., are figured in the cost per foot for drilling. All costs total $3.00 per foot.

Item 6. (d)

One Mayhew 1000 super core drill rig, together with a tandem water 2½ ton truck, and camp complete. This rig and supplies inventory at $39,000.00

Item 6. (e)

No equipment other than (d) will be used.

Item 6. (f)

No buildings will be used.

Item 6. (g)

No rehabilitation equipment is contemplated. Office equipment, although to be used, is owned by this company but will not be charged to this project. Office and all overhead and bookkeeping will not total more than $400.00 per month.

Item 6. (h)

No contingencies are contemplated.

Item 7. (a)

Yes.

Item 7. (b)

Money and equipment. Any funds required will be furnished from funds in the Greast Western Uranium Company's treasury. It has an income from ore sales in this and other areas.

GREAT WESTERN URANIUM CLAIMS

ON WRAY MESA

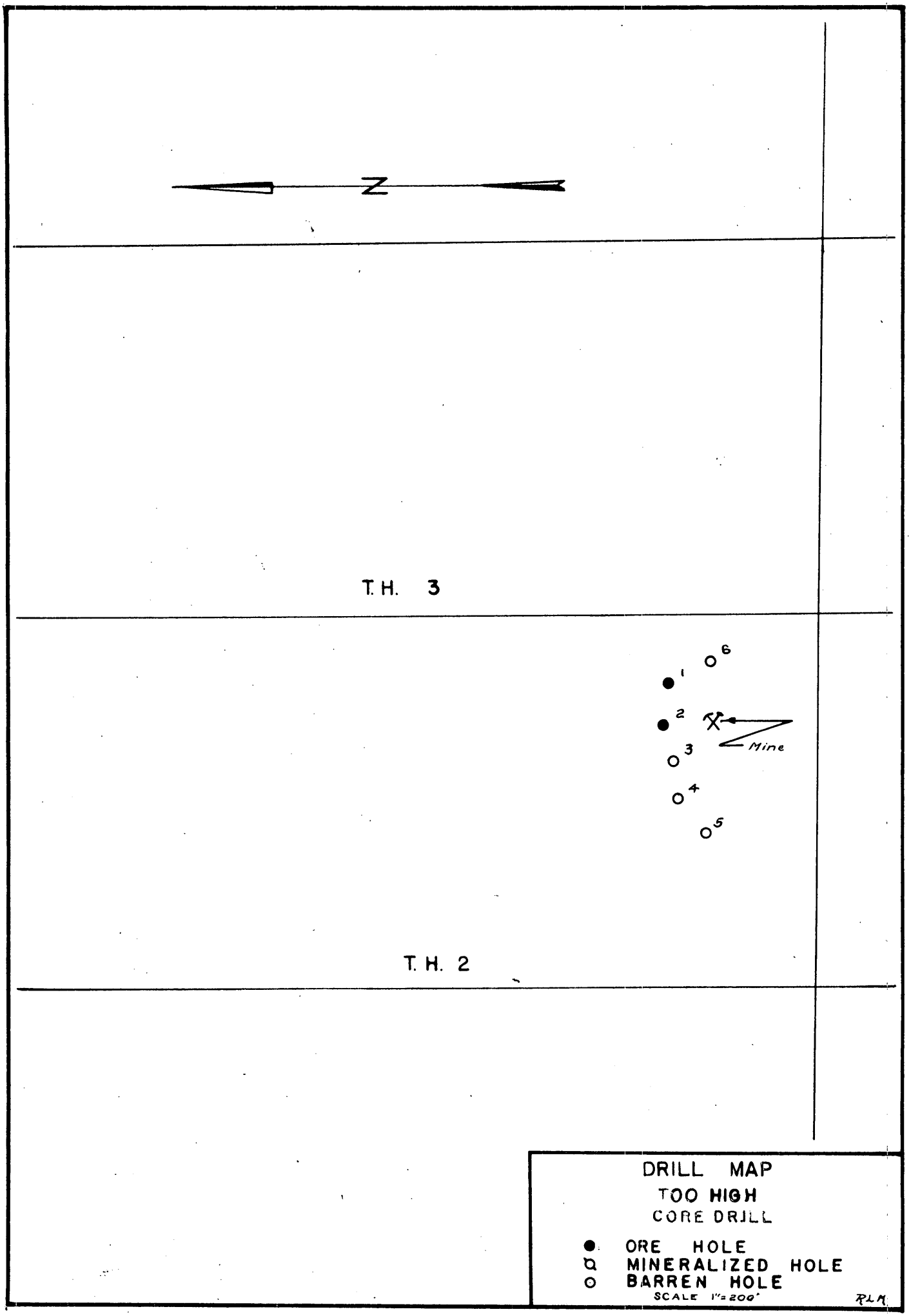
NAME OF CLAIM	Original Location Certificate recorded in BOOK	PAGE	COUNTY	STATE
Buxom Babe No. 1	357	163	Montrose	Colorado
B uxom Babe No. 2	357	164	Montrose	Colorado
Buxom Babe No. 3	357	164	Montrose	Colorado
Buxom Babe No. 4	357	165	Montrose	Colorado
Buxom Babe No. 5	357	165	Montrose	Colorado
Buxom Babe No. 6	357	166	Montrose	Colorado
Buxom Babe No. 7	357	166	Montrose	Colorado
Buxom Babe No. 8	357	167	Montrose	Colorado
Buxom Babe No. 9	357	167	Montrose	Colorado
Buxom Babe No. 10	357	168	Montrose	Colorado
Buxom Babe No. 11	357	168	Montrose	Colorado
Buxom Babe No. 12	357	169	Montrose	Colorado
Buxom Babe No. 13	357	169	Montrose	Colorado
Buxom Babe No. 14	31	249	San Juan	Utah
Buxom Babe No. 15	31	249	San Juan	Utah
Buxom Babe No. 16	31	250	San Juan	Utah
Buxom Babe No. 17	31	250	San Juan	Utah
Buxom Babe No. 18	31	251	San Juan	Utah
Buxom Babe No. 19	31	251	San Juan	Utah
Buxom Babe No. 20	31	252	San Juan	Utah
Buck N' B eans No. 1	357	14	Montrose	Colorado
Buck N' Beans No. 2	357	15	Montrose	Colorado
Buck N' Beans No. 3	357	15	Montrose	Colorado
Buck N' Beans No. 4	357	16	Montrose	Colorado
Buck N' Beans No. 5	357	16	Montrose	Colorado
Buck N' Beans No. 6	357	17	Montrose	Colorado
Buck N' Beans No. 7	357	17	Montrose	Colorado
Buck N' Beans No. 8	357	18	Montrose	Colorado
Buck N' Beans No. 9	357	18	Montrose	Colorado
Buck N' Beans No. 10	357	19	Montrose	Colorado
Buck N' Beans No. 11	357	19	Montrose	Colorado
Buck N' Beans No. 12	357	20	Montrose	Colorado
Buck N' Beans No. 13	357	20	Montrose	Colorado
Crazy Horse No. 1	357	3	Montrose	Colorado
Crazy Horse No. 2	357	3	Montrose	Colorado
Crazy Horse No. 3	357	4	Montrose	Colorado
Crazy Horse No. 4	357	4	Montrose	Colorado
Crazy Horse No. 5	357	5	Montrose	Colorado
Crazy Horse No. 6	357	5	Montrose	Colorado
Crazy Horse No. 7	357	6	Montrose	Colorado
Crazy Horse No. 8	357	6	Montrose	Colorado
Crazy Horse No. 9	357	7	Montrose	Colorado
Crazy Horse No. 10	357	7	Montrose	Colorado

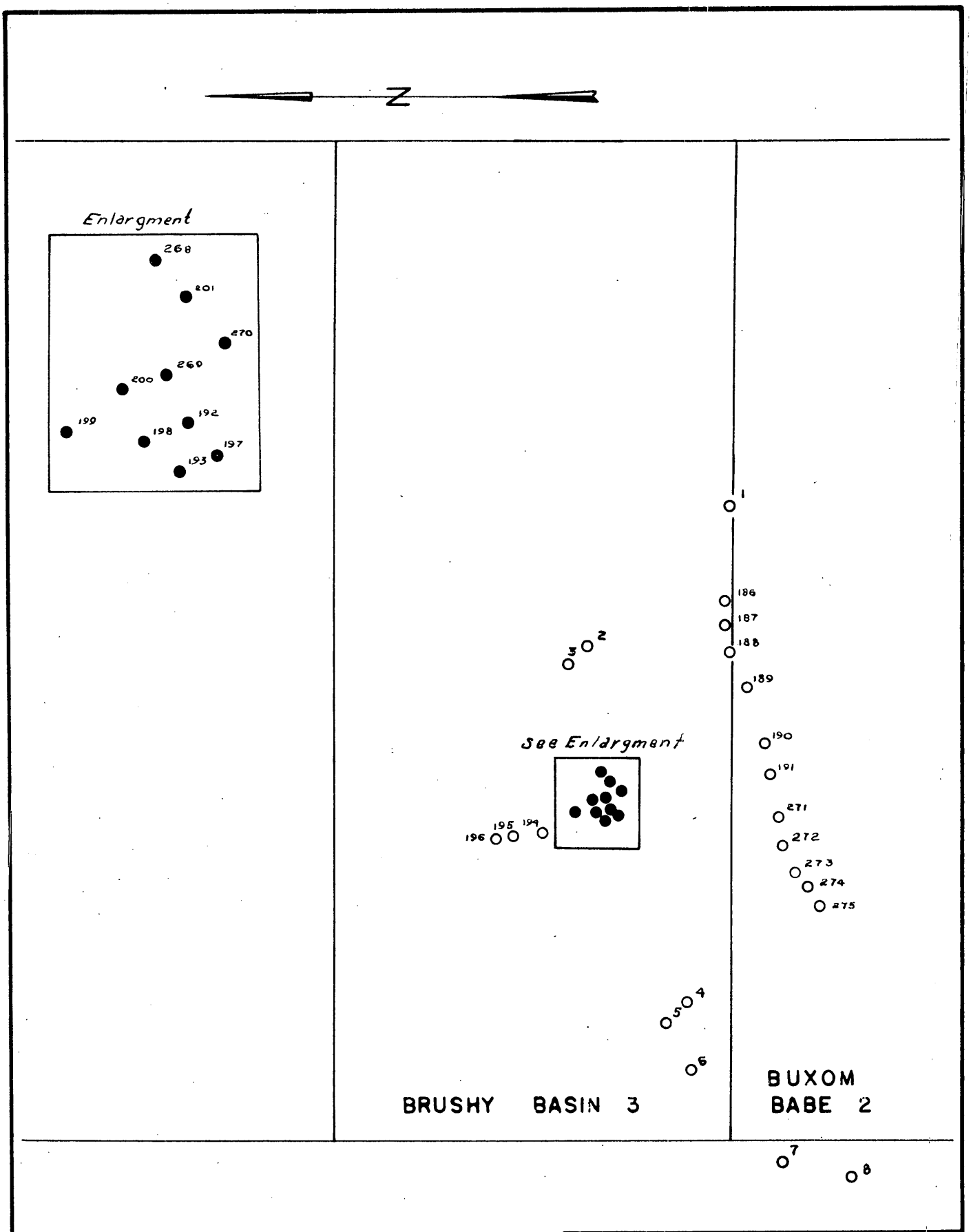
NAME OF CLAIM	Original Location Certificate recorded in BOOK	PAGE	COUNTY	STATE
Crazy Horse No. 11	357	8	Montrose	Colorado
Crazy Horse No. 12	357	8	Montrose	Colorado
Crazy Horse No. 13	357	9	Montrose	Colorado
Crazy Horse No. 14	357	9	Montrose	Colorado
Crazy Horse No. 15	357	10	Montrose	Colorado
Crazy Horse No. 16	357	10	Montrose	Colorado
Crazy Horse No. 17	357	11	Montrose	Colorado
Crazy Horse No. 18	357	11	Montrose	Colorado
Crazy Horse No. 19	357	12	Montrose	Colorado
Crazy Horse No. 20	357	12	Montrose	Colorado
Crazy Horse No. 21	357	13	Montrose	Colorado
Crazy Horse No. 22	357	13	Montrose	Colorado
Crazy Horse No. 23	357	14	Montrose	Colorado
Crazy Horse No. 24	366	177	Montrose	Colorado
Too High No. 1	357	21	Montrose	Colorado
Too High No. 2	357	21	Montrose	Colorado
Too High No. 3	357	22	Montrose	Colorado
Too High No. 4	357	22	Montrose	Colorado
Too High No. 5	357	23	Montrose	Colorado
Too High No. 6	357	23	Montrose	Colorado
Too High No. 7	360	490	Montrose	Colorado
Too High No. 8	360	490	Montrose	Colorado
Lucy Yellow Mule No. 1	357	77	Montrose	Colorado
Lucy Yellow Mule No. 2	357	78	Montrose	Colorado
Lucy Yellow Mule No. 3	357	78	Montrose	Colorado
Lucy Yellow Mule No. 4	357	83	Montrose	Colorado
Lucy Yellow Mule No. 5	357	83	Montrose	Colorado
Lucy Yellow Mule No. 6	357	84	Montrose	Colorado
Lucy Yellow Mule No. 7	357	84	Montrose	Colorado
Lucy Yellow Mule No. 8	357	85	Montrose	Colorado
Lucy Yellow Mule No. 9	357	85	Montrose	Colorado
Lucy Yellow Mule No. 10	357	86	Montrose	Colorado
Coughin' Cougar No. 1	360	459	Montrose	Colorado
Coughin' Cougar No. 2	360	459	Montrose	Colorado
Coughin' Cougar No. 3	360	460	Montrose	Colorado
Coughin' Cougar No. 4	360	460	Montrose	Colorado
Coughin' Cougar No. 5	360	461	Montrose	Colorado
Coughin' Cougar No. 6	360	461	Montrose	Colorado
Coughin' Cougar No. 7	360	462	Montrose	Colorado
Coughin' Cougar No. 8	360	462	Montrose	Colorado
Coughin' Cougar No. 9	360	463	Montrose	Colorado
Coughin' Cougar No. 10	360	463	Montrose	Colorado
Coughin' Cougar No. 11	360	464	Montrose	Colorado
Coughin' Cougar No. 12	360	464	Montrose	Colorado
Coughin' Cougar No. 13	360	465	Montrose	Colorado
Coughin' Cougar No. 14	360	465	Montrose	Colorado
Coughin' Cougar No. 15	360	466	Montrose	Colorado
Coughin' Cougar No. 16	360	466	Montrose	Colorado

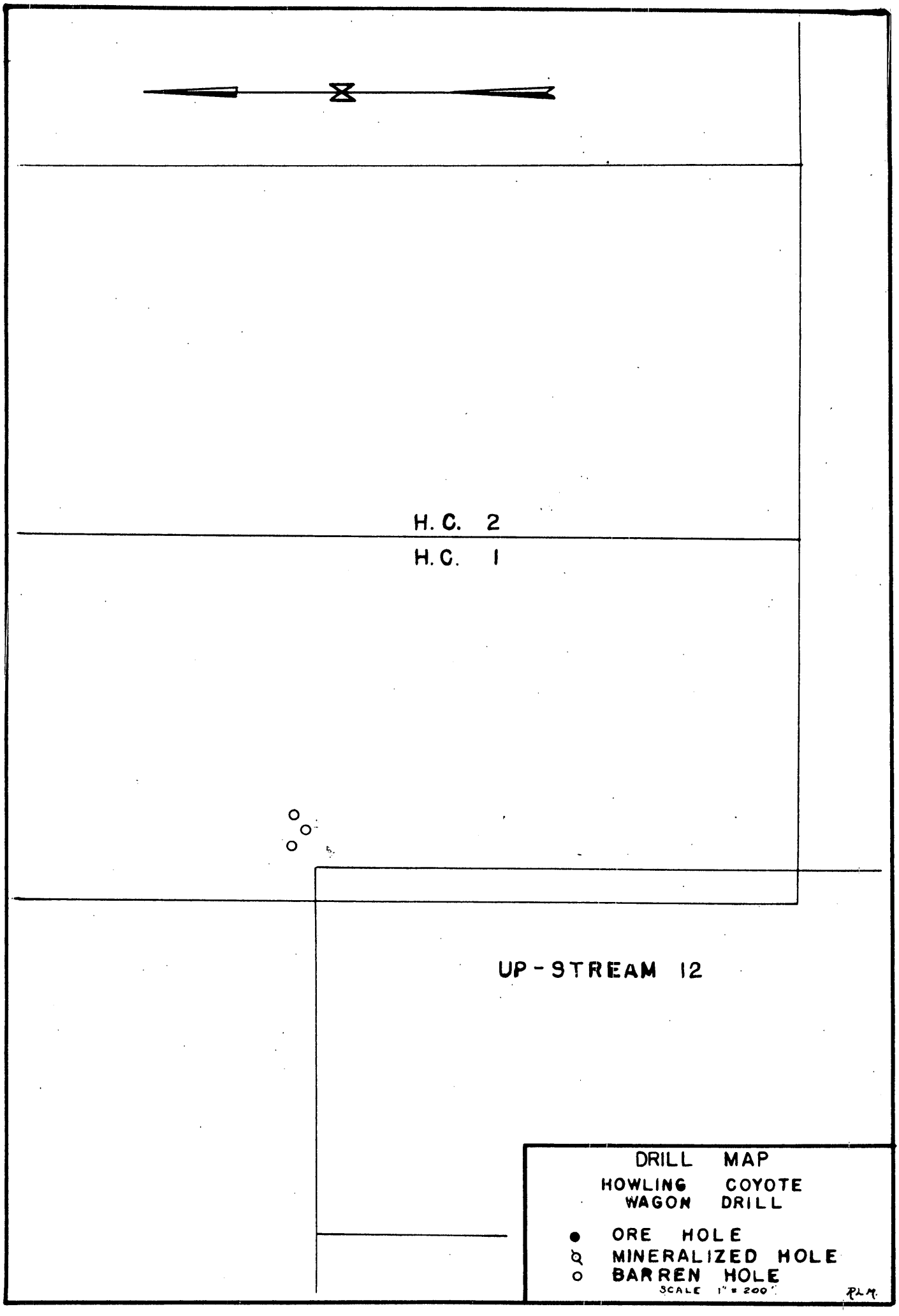
NAME OF CLAIM	Original Location Certificate recorded in BOOK	PAGE	COUNTY	STATE
Coughin' Cougar No. 17	360	467	Montrose	Colorado
Coughin' Cougar No. 18	360	467	Montrose	Colorado
Coughin' Cougar No. 19	360	468	Montrose	Colorado
Coughin' Cougar No. 20	360	468	Montrose	Colorado
Jay Hawker No. 1	360	469	Montrose	Colorado
Jay Hawker No. 2	360	469	Montrose	Colorado
Jay Hawker No. 3	360	470	Montrose	Colorado
Jay Hawker No. 4	360	470	Montrose	Colorado
Jay Hawker No. 5	360	471	Montrose	Colorado
Jay Hawker No. 6	360	471	Montrose	Colorado
Jay Hawker No. 7	360	472	Montrose	Colorado
Jay Hawker No. 8	360	472	Montrose	Colorado
Jay Hawker No. 9	360	473	Montrose	Colorado
Jay Hawker No. 10	360	473	Montrose	Colorado
Jay Hawker No. 11	360	474	Montrose	Colorado
Jay Hawker No. 12	360	474	Montrose	Colorado
Sego Lilly Lou No. 1	349	443	Montrose	Colorado
Sego Lilly Lou No. 2	349	444	Montrose	Colorado
Sego Lilly Lou No. 3	349	444	Montrose	Colorado
Sego Lilly Lou No. 4	349	445	Montrose	Colorado
Sego Lilly Lou No. 5	349	445	Montrose	Colorado
Sego Lilly Lou No. 6	349	446	Montrose	Colorado
Sego Lilly Lou No. 7	349	446	Montrose	Colorado
Sego Lilly Lou No. 8	349	447	Montrose	Colorado
Sego Lilly Lou No. 9	360	489	Montrose	Colorado
Broken Shoe No. 1	11	29	San Juan	Utah
Broken Shoe No. 2	11	28	San Juan	Utah
Broken Shoe No. 3	13	219	San Juan	Utah
Broken Shoe No. 4	13	220	San Juan	Utah
Broken Shoe No. 5	13	226	San Juan	Utah
Broken Shoe No. 6	13	225	San Juan	Utah
Broken Shoe No. 7	13	224	San Juan	Utah
Broken Shoe No. 8	13	223	San Juan	Utah
Mr. Completely No. 1	349	434	Montrose	Colorado
Mr. Completely No. 2	349	434	Montrose	Colorado
Mr. Completely No. 3	349	435	Montrose	Colorado
Mr. Completely No. 4	349	435	Montrose	Colorado
Mr. Completely No. 5	349	436	Montrose	Colorado
Mr. Completely No. 6	349	436	Montrose	Colorado
Mr. Completely No. 7	349	437	Montrose	Colorado
Mr. Completely No. 8	349	437	Montrose	Colorado
Mr. Completely No. 9	349	438	Montrose	Colorado
Mr. Completely No. 10	349	438	Montrose	Colorado
Mr. Completely No. 11	349	439	Montrose	Colorado
Mr. Completely No. 12	349	439	Montrose	Colorado
Mr. Completely No. 13	349	440	Montrose	Colorado

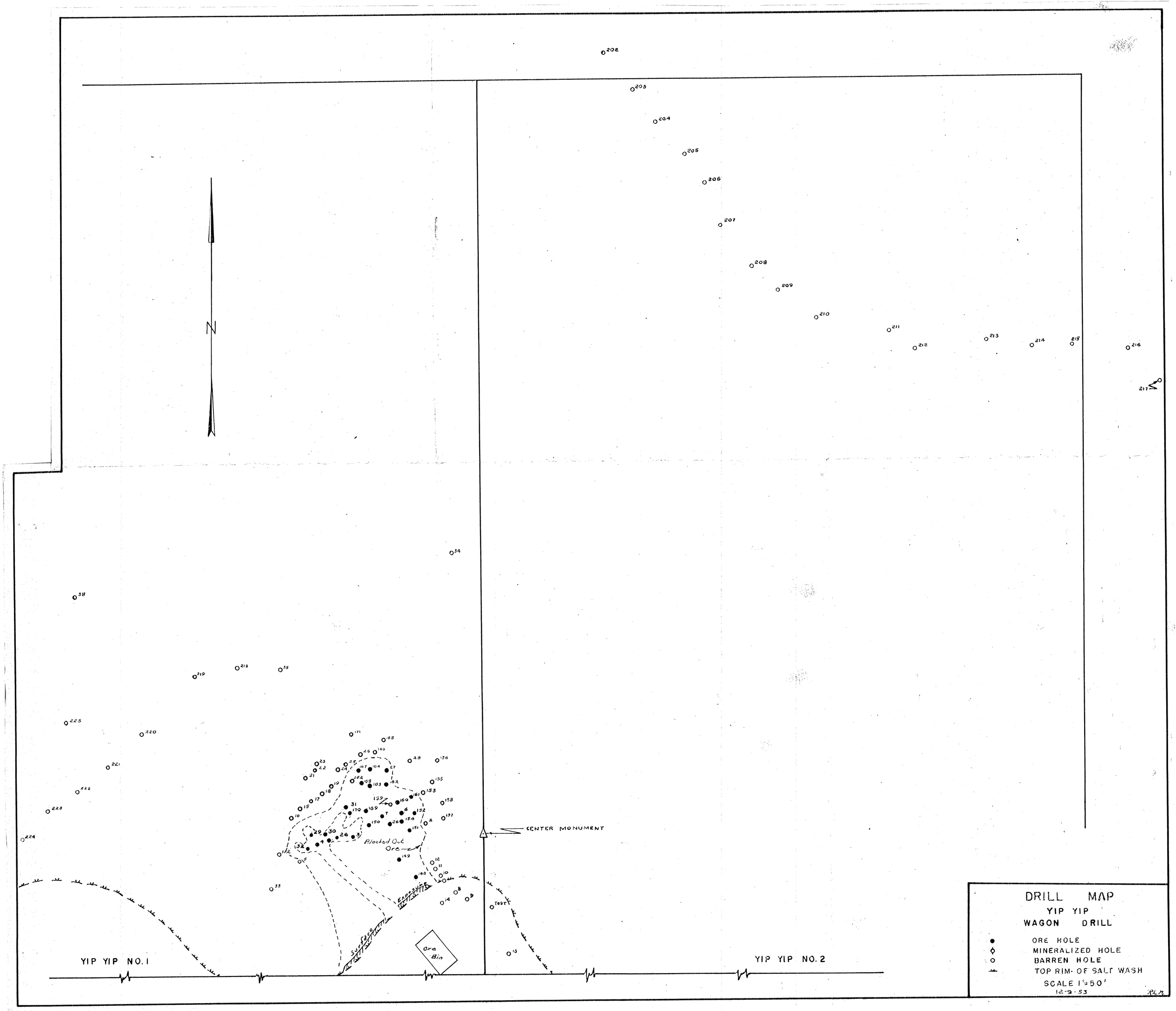
NAME OF CLAIM	Original Location Certificate recorded in BOOK	PAGE	COUNTY	STATE
Mr. Completely No. 14	[illegible]	440	Montrose	Colorado
Mr. Completely No. 15	349	441	Montrose	Colorado
Mr. Completely No. 16	349	441	Montrose	Colorado
Mr. Completely No. 17	349	442	Montrose	Colorado
Mr. Completely No. 18	349	442	Montrose	Colorado
Mr. Completely No. 19	349	443	Montrose	Colorado
Brushy Basin No. 1	349	426	Montrose	Colorado
Brushy Basin No. 1			San Juan	Utah
Brushy Basin No. 2	349	427	Montrose	Colorado
Brushy Basin No. 3	349	427	Montrose	Colorado
Brushy Basin No. 4	13	217	San Juan	Utah
Louise	349	455	Montrose	Colorado
Lulu	349	455	Montrose	Colorado
Yucca No. 1	349	367	Montrose	Colorado
Yucca No. 2	349	367	Montrose	Colorado
Yucca No. 3	349	368	Montrose	Colorado
Yucca No. 4	349	368	Montrose	Colorado
Yucca No. 5	349	369	Montrose	Colorado
Yucca No. 6	349	369	Montrose	Colorado
Yucca No. 7	349	448	Montrose	Colorado
Yucca No. 8	349	449	Montrose	Colorado
Yucca No. 9	349	449	Montrose	Colorado
Yucca No. 10	349	450	Montrose	Colorado
Yucca No. 11	349	450	Montrose	Colorado
Yucca No. 12	349	451	Montrose	Colorado
Yucca No. 13	349	451	Montrose	Colorado
Yucca No. 14	349	452	Montrose	Colorado
B ig Casino No. 1	349	424	Montrose	Colorado
Big Casino No. 2	349	425	Montrose	Colorado
Big Casino No. 3	349	425	Montrose	Colorado
Big Casino No. 4	349	426	Montrose	Colorado
Puma No. 1	11	85	San Juan	Utah
Puma No. 2	11	84	San Juan	Utah
Puma No. 3	11	83	San Juan	Utah
Long John No. 1	349	431	Montrose	Colorado
Long John No. 2	349	432	Montrose	Colorado
Long John No. 3	349	432	Montrose	Colorado
Long John No. 4	349	433	Montrose	Colorado
Long John No. 5	349	433	Montrose	Colorado

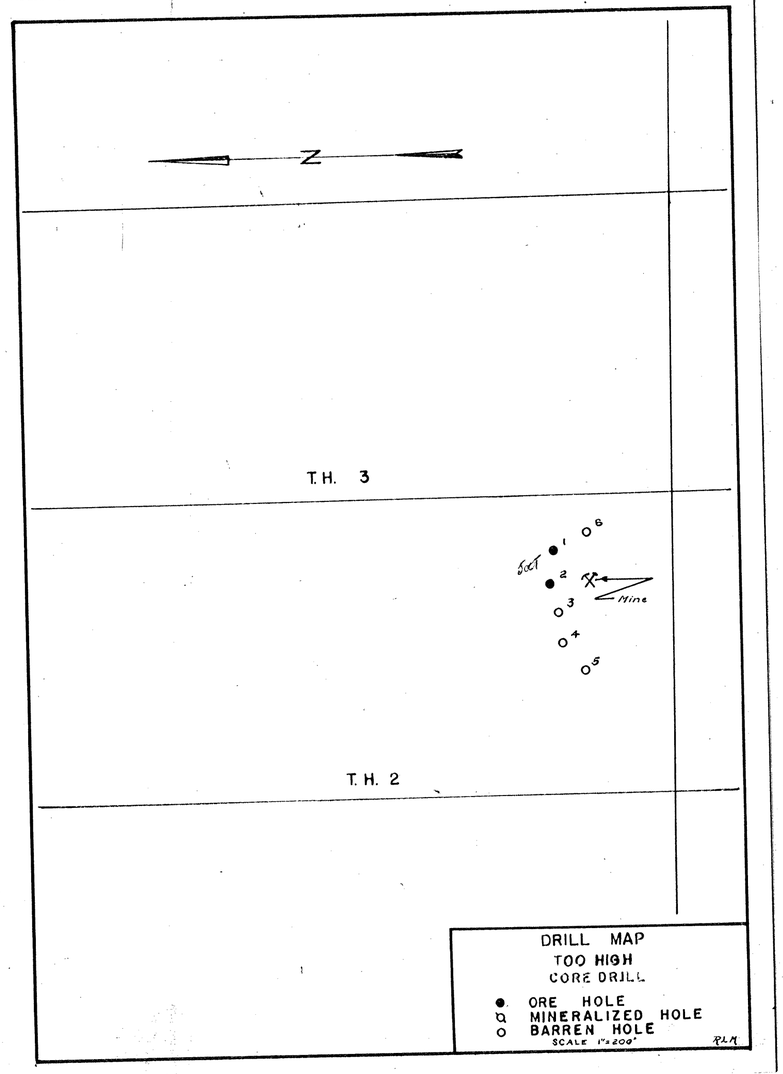
NAME OF CLAIM	Original Location Certificate recorded in BOOK	PAGE	COUNTY	STATE
Howling Coyote No. 1	349	428	Montrose	Colorado
Howling Coyote No. 2	349	428	Montrose	Colorado
Howling Coyote No. 3	349	429	Montrose	Colorado
Howling Coyote No. 4	349	429	Montrose	Colorado
Howling Coyote No. 5	349	430	Montrose	Colorado
Howling Coyote No. 6	349	430	Montrose	Colorado
Howling Coyote No. 7	349	431	Montrose	Colorado
Yip Yip No. 1	349	232	Montrose	Colorado
Yip Yip No. 2	349	232	Montrose	Colorado
Yip Yip No. 3	349	233	Montrose	Colorado
Yip Yip No. 4	349	233	Montrose	Colorado
Yip Yip No. 5	349	234	Montrose	Colorado
Yip Yip No. 6	349	447	Montrose	Colorado
Yip Yip No. 7	349	448	Montrose	Colorado
Atomizer No. 1	349	363	Montrose	Colorado
Atomizer No. 2	349	363	Montrose	Colorado
Atomizer No. 3	349	364	Montrose	Colorado
Atomizer No. 4	349	364	Montrose	Colorado
Atomizer No. 5	349	365	Montrose	Colorado
Atomizer No. 6	349	365	Montrose	Colorado
Atomizer No. 7	349	366	Montrose	Colorado
Atomizer No. 8	349	366	Montrose	Colorado
Atomizer No. 9	349	423	Montrose	Colorado
Atomizer No. 10	349	424	Montrose	Colorado
William C. Weaver No. 1	349	231	Montrose	Colorado
William C. Weaver No. 2	349	231	Montrose	Colorado

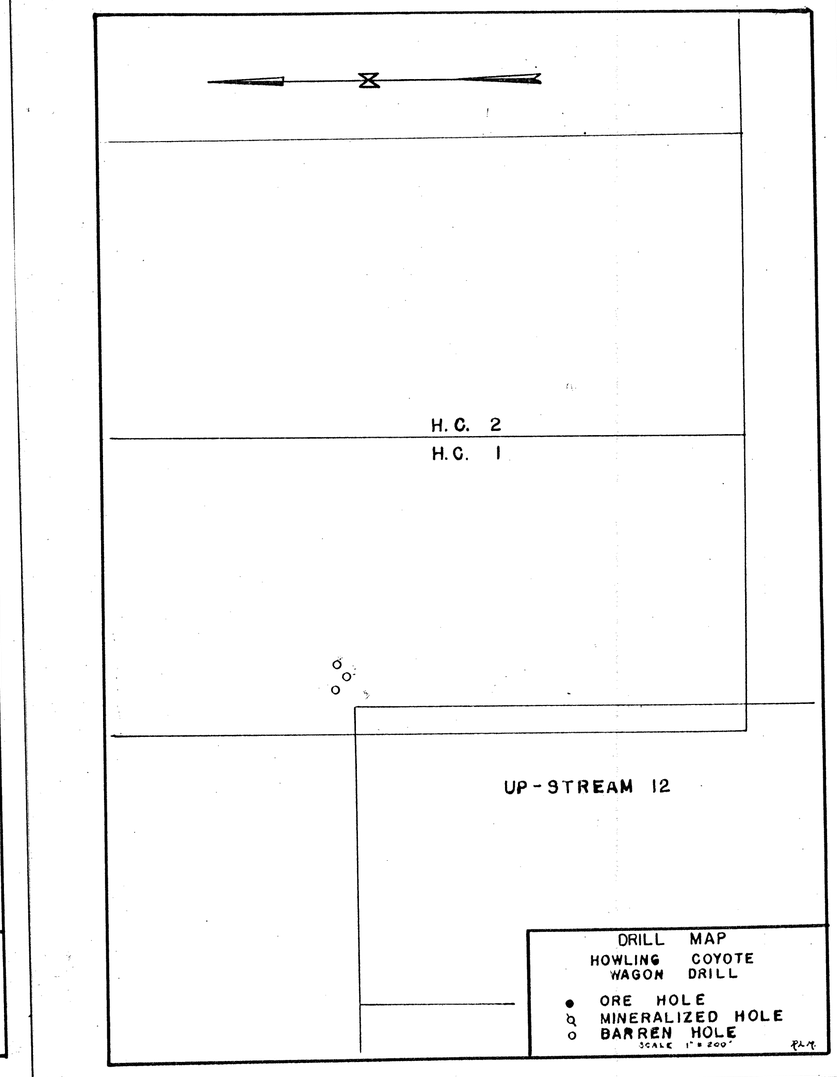

N
T. H. 3
6
1
2
Mine
3
4
5
T. H. 2
DRILL MAP
TOO HIGH
CORE DRILL
ORE HOLE
MINERALIZED HOLE
BARREN HOLE
SCALE 1"=200'
RLM

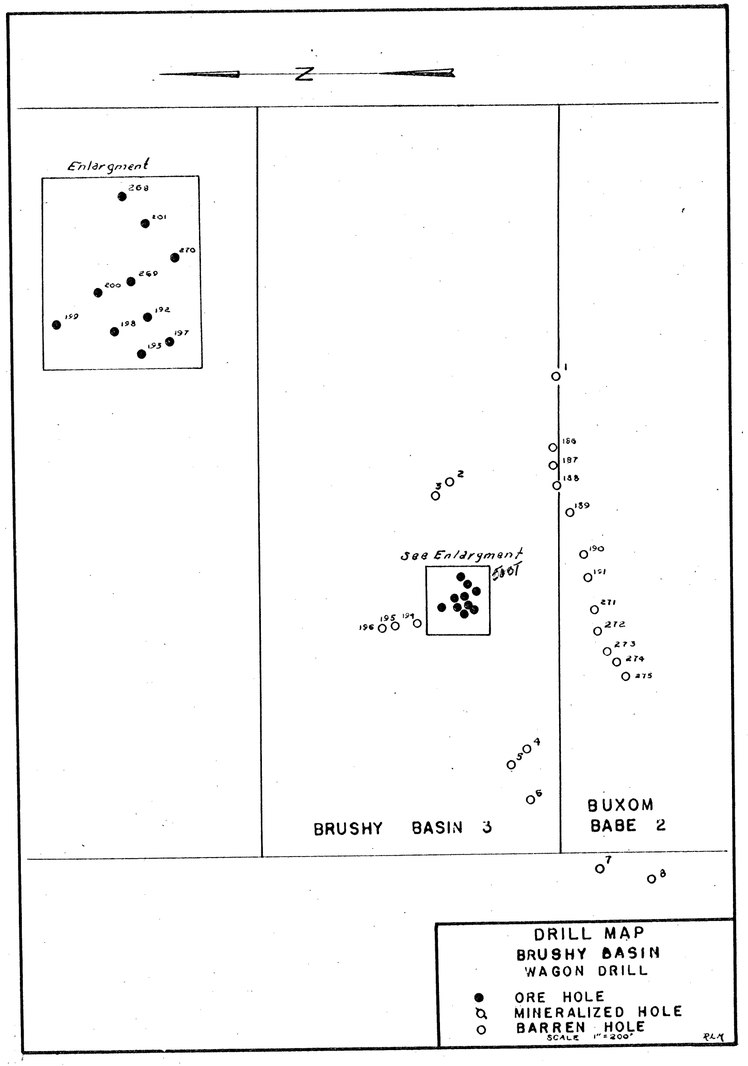

N
Enlargment
268
201
270
269
200
199
192
198
197
193
1
186
187
188
189
2
See Enlargment
190
191
271
272
273
274
275
195
194
196
4
5
6
BRUSHY BASIN 3
BUXOM BABE 2
7
8
DRILL MAP
BRUSHY BASIN
WAGON DRILL
ORE HOLE
MINERALIZED HOLE
BARREN HOLE
SCALE 1" = 200'
RLM

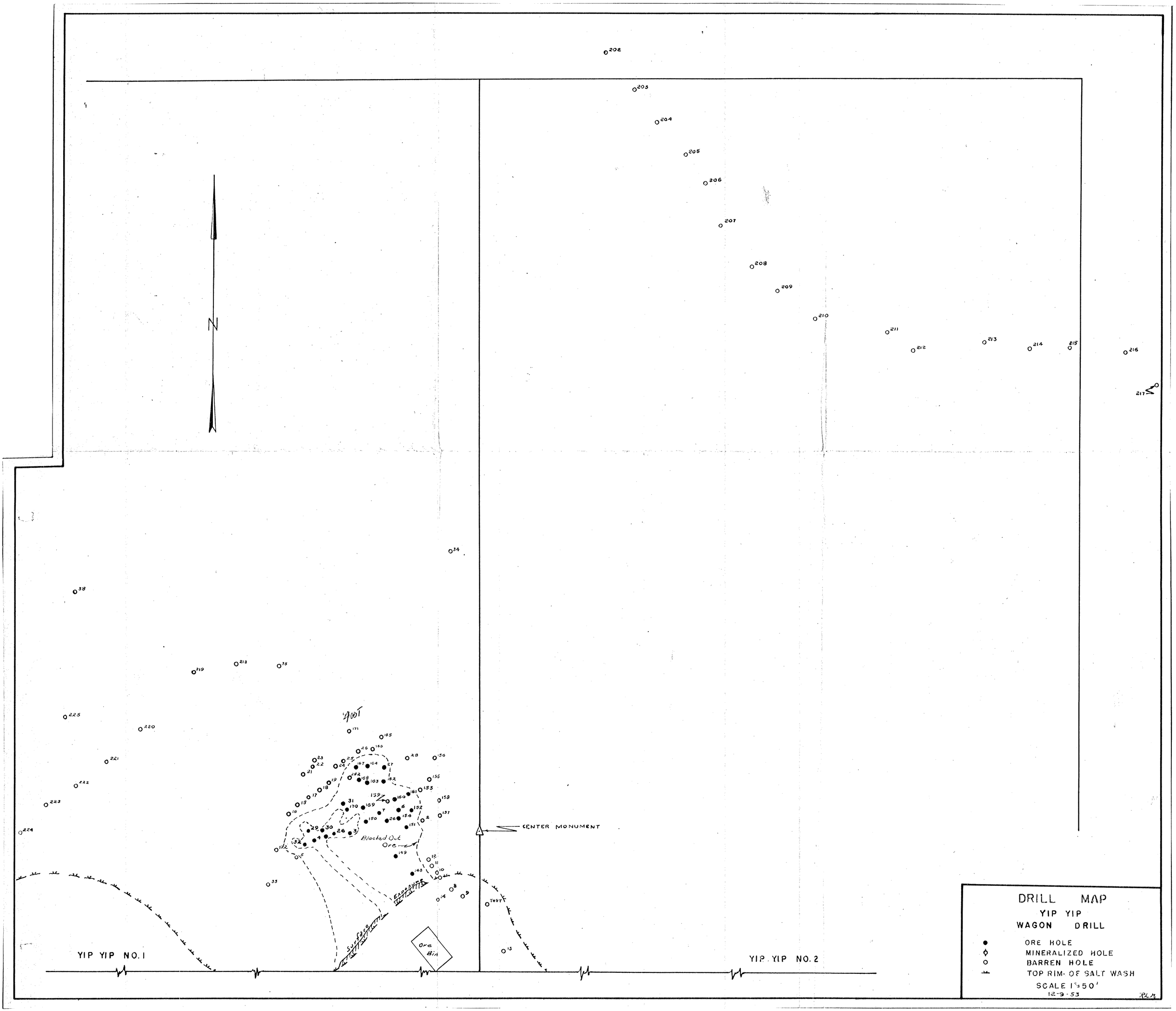

H. C. 2
H. C. 1
UP-STREAM 12
DRILL MAP
HOWLING COYOTE
WAGON DRILL
ORE HOLE
MINERALIZED HOLE
BARREN HOLE
SCALE 1" = 200'
R.L.M.

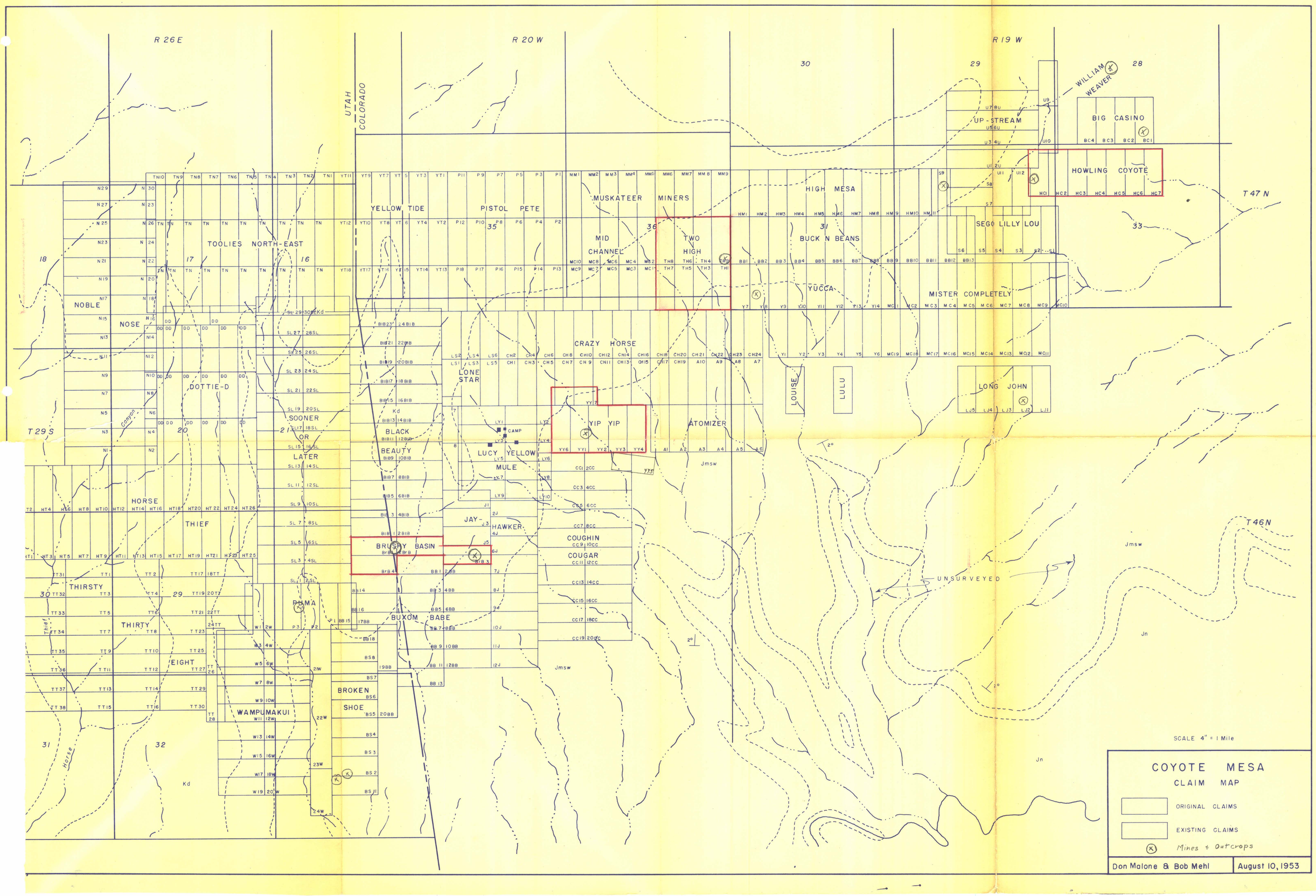

N
CENTER MONUMENT
Blocked Out Ore
Exploration
Surface
Ore Bin
YIP YIP NO. 1
YIP YIP NO. 2
DRILL MAP
YIP YIP
WAGON DRILL
ORE HOLE
MINERALIZED HOLE
BARREN HOLE
TOP RIM OF SALT WASH
SCALE 1"=50'
12-9-53

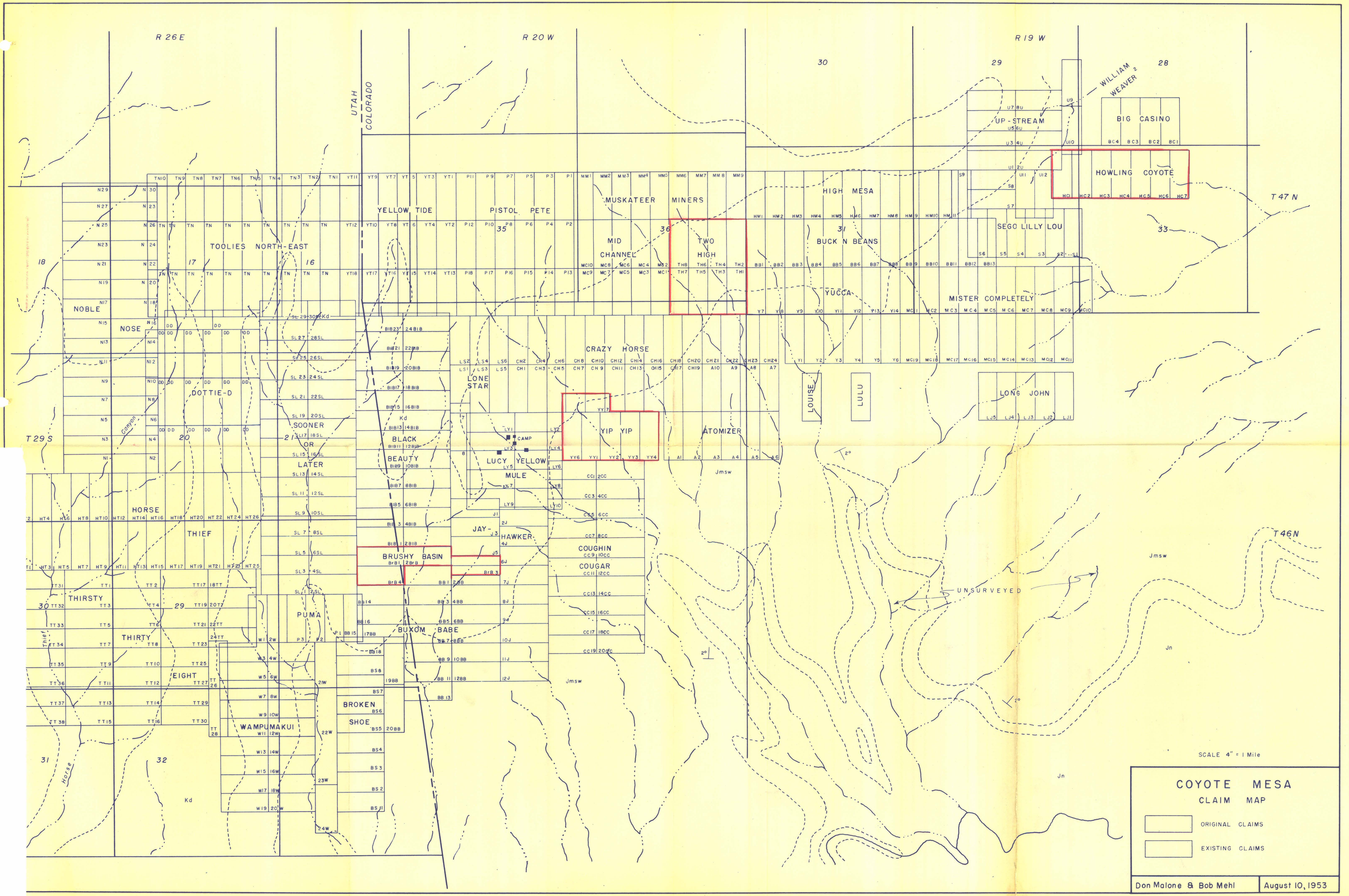

N
T. H. 3
T. H. 2
Shot
Mine
DRILL MAP
TOO HIGH
CORE DRILL
ORE HOLE
MINERALIZED HOLE
BARREN HOLE
SCALE 1" = 200'
R.L.M.

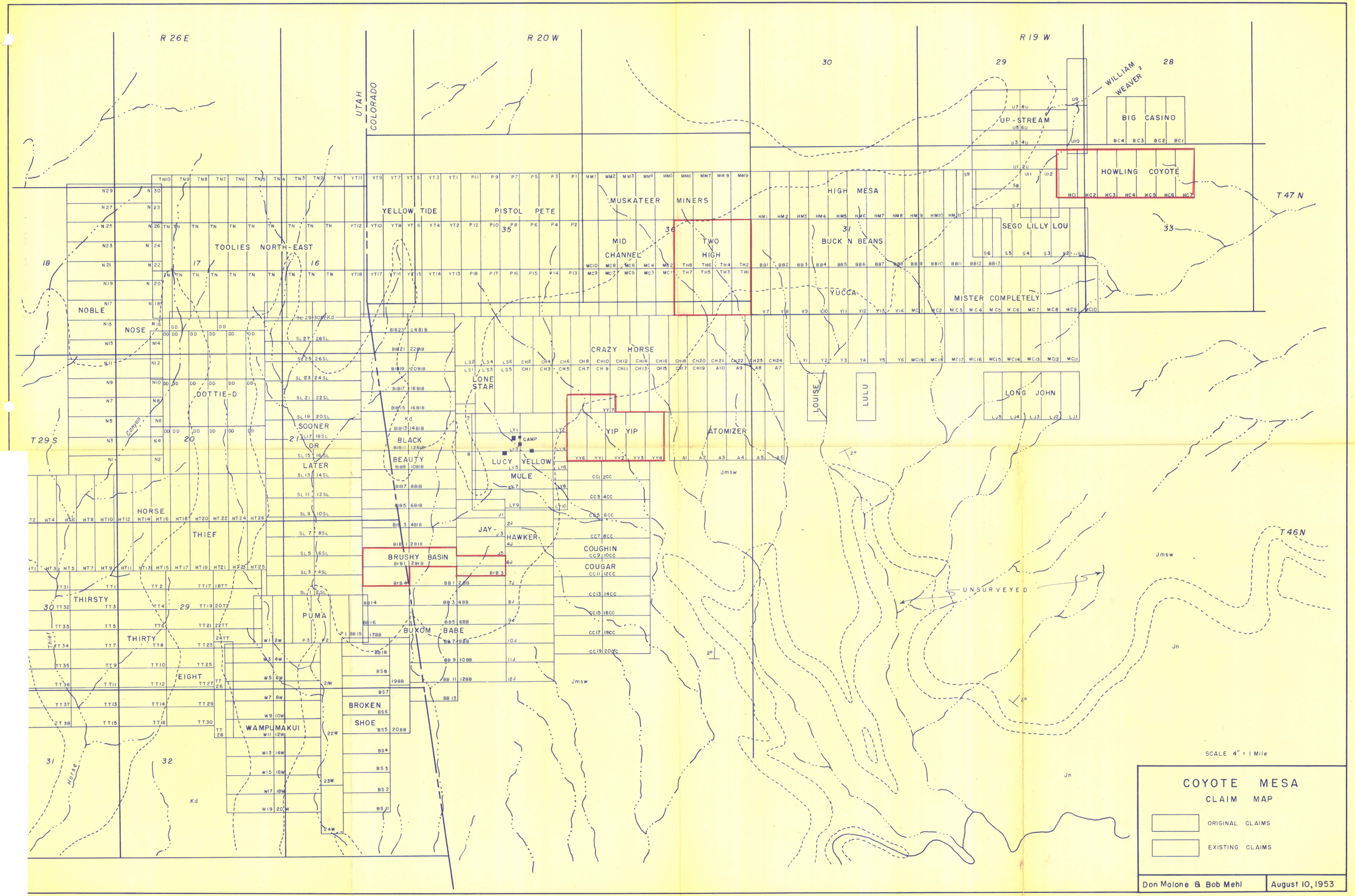

N
H. C. 2
H. C. 1
UP-STREAM 12
DRILL MAP
HOWLING COYOTE
WAGON DRILL
ORE HOLE
MINERALIZED HOLE
BARREN HOLE
SCALE 1" = 200'
R.L.M.


N
Enlargment
See Enlargment
BRUSHY BASIN 3
BUXOM BABE 2
DRILL MAP
BRUSHY BASIN
WAGON DRILL
ORE HOLE
MINERALIZED HOLE
BARREN HOLE
SCALE 1" = 200'
R.L.M.


DRILL MAP
YIP YIP
WAGON DRILL
ORE HOLE
MINERALIZED HOLE
BARREN HOLE
TOP RIM OF SALT WASH
SCALE 1"=50'
12-9-53
CENTER MONUMENT
YIP YIP NO. 1
YIP YIP NO. 2
Blocked Out Ore
Exposure
Surface
Ore Bin
Test
N


R 26 E
R 20 W
R 19 W
T 47 N
T 46 N
T 29 S
UTAH
COLORADO
WILLIAM WEAVER
UP-STREAM
BIG CASINO
HOWLING COYOTE
HIGH MESA
SEGO LILLY LOU
BUCK N BEANS
YUCCA
MISTER COMPLETELY
YELLOW TIDE
PISTOL PETE
MUSKATEER
MINERS
MID CHANNEL
TWO HIGH
TOOLIES NORTH-EAST
NOBLE
NOSE
DOTTIE-D
SOONER
LATER
OR
HORSE
THIEF
THIRSTY
THIRTY
EIGHT
CRAZY HORSE
LONE STAR
YIP YIP
ATOMIZER
LOUISE
LULU
LONG JOHN
CAMP
LUCY YELLOW
MULE
BLACK
BEAUTY
JAY-HAWKER
COUGHIN
COUGAR
BRUSHY BASIN
PUMA
BUXOM BABE
BROKEN
SHOE
WAMPUMAKUI
UNSURVEYED
Jmsw
Jn
Kd
SCALE 4" = 1 Mile
COYOTE MESA
CLAIM MAP
ORIGINAL CLAIMS
EXISTING CLAIMS
Mines & Outcrops
Don Malone & Bob Mehl
August 10, 1953


R 26 E
R 20 W
R 19 W
T 29 S
T 47 N
T 46 N
UTAH
COLORADO
NOBLE
NOSE
TOOLIES NORTH-EAST
DOTTIE-D
HORSE
THIEF
THIRSTY
THIRTY
EIGHT
SOONER
OR
LATER
PUMA
WAMPUMAKUI
BROKEN
SHOE
BUXOM
BABE
BRUSHY BASIN
BLACK
BEAUTY
YELLOW TIDE
PISTOL PETE
MUSKATEER
MINERS
MID
CHANNEL
TWO
HIGH
HIGH MESA
BUCK N BEANS
YUCCA
MISTER COMPLETELY
SEGO LILLY LOU
UP-STREAM
WILLIAM
WEAVER
BIG CASINO
HOWLING COYOTE
CRAZY HORSE
LONE
STAR
LUCY
YELLOW
MULE
CAMP
YIP YIP
ATOMIZER
JAY-
HAWKER
COUGHIN
COUGAR
LOUISE
LULU
LONG JOHN
UNSURVEYED
Jmsw
Jn
Kd
SCALE 4" = 1 Mile
COYOTE MESA
CLAIM MAP
ORIGINAL CLAIMS
EXISTING CLAIMS
Don Malone & Bob Mehl
August 10, 1953


R 26 E
R 20 W
R 19 W
T 29 S
T 47 N
T 46 N
UTAH
COLORADO
WILLIAM WEAVER
UP-STREAM
BIG CASINO
HOWLING COYOTE
SEGO LILLY LOU
HIGH MESA
BUCK N BEANS
YUCCA
MISTER COMPLETELY
YELLOW TIDE
PISTOL PETE
MUSKATEER
MINERS
MID CHANNEL
TWO HIGH
TOOLIES NORTH-EAST
NOBLE
NOSE
DOTTIE-D
CRAZY HORSE
LONE STAR
YIP YIP
ATOMIZER
LOUISE
LULU
LONG JOHN
SOONER
OR
LATER
BLACK
BEAUTY
CAMP
LUCY YELLOW
MULE
JAY-HAWKER
COUGHIN
COUGAR
HORSE
THIEF
BRUSHY BASIN
BUXOM BABE
PUMA
THIRSTY
THIRTY
EIGHT
WAMPUMAKUI
BROKEN
SHOE
UNSURVEYED
Jmsw
Jn
Kd
SCALE 4" = 1 Mile
COYOTE MESA
CLAIM MAP
ORIGINAL CLAIMS
EXISTING CLAIMS
Don Malone & Bob Mehl
August 10, 1953