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DEFENSE MINERALS ADMINISTRATION
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DMA Docket No. 3358

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To:	700	Date	5/21/54
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Surname 700

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

DEC - 8 1954

Ching
Ellis
Hodges
Kilgaard
Selfridge
Johnson

Mr. J. [illegible] Montgomery
Secretary-Treasurer
Triple H Mining Co., Inc.
Box 787
Hobbs, New Mexico

Re: Docket No. [illegible]-3358
(Uranium-cobalt)
Arrow Smith and Slide claims
Grand County, Utah

Dear Mr. Montgomery:

Your application for aid in an exploration project and other information available to us in Washington concerning your above-named property have been reviewed.

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

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

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

Sincerely yours,

C. O. Mirsendorf

Administrator

Copy to: Senator Clinton P. Anderson

MChing:am
12-7-54
cc to: Admr. Reading File
Operating Committee
Docket

Messrs. J. R. Crawford, Rm.3641
T. H. Killsgaard, Rm.5224
J. O. Hosted, Rm.3210, GSA
DMEA Field Team, Region IV(2)
Mr. Ching
Code 700

Docket Copy 700

Ching

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

December 6, 1954

SUMMARY OF PROPOSED PROJECT

Object: Denial of application for an exploration project

Docket No.: DMEA-3358

Commodity: Uranium and cobalt

Applicant: Triple M Mining Co., Inc., a Utah Corporation
Box 787, Hobbs, New Mexico

Property: Arrow Smith and Slide Claims, consisting of the Arrow Smith Nos. 1 and 2 and the Slide Nos. 1 to 12 claims, all unpatented, Thompson District, Grand County, Utah. Applicant is the owner of the claims.

Date of application: May 10, 1954

Amount of application: $47,350.00

Work Proposed: Build access roads to drill sites and diamond drill 7,000 feet of holes through the Salt Wash member of the Morrison formation.

Field Team Report: Reports undated but transmittal letter dated November 15, 1954. C. M. Mobley, USGS and W. E. Young, USBM

The Salt Wash member of the Morrison formation outcrops on the property and is 200 to 250 feet thick in the area. Numerous gulches have cut through the entire thickness of the Salt Wash, leaving only narrow remnants between the gulches. No indications of uranium-cobalt mineralization were observed at any place on the property. Because of the unfavorable geologic conditions it is recommended that the application be denied.

Commodity Committee Members' Comments:

Bureau of Mines - John E. Crawford, November 30, 1954

I have reviewed the subject report and discussed it with Joseph O. Hosted, representative of the Atomic

Energy Commission. We concur with the recommendation of the Field Team that the subject application be denied.

Geological Survey - E. L. Newcomb, December 3, 1954

Erosion has removed a large part of the Salt Wash sandstone member (possible ore-bearing sandstone) in the area proposed for exploration. There are no known exposures of uranium-cobalt mineralization on the property and significant amounts of uranium-cobalt ore are extremely unlikely to be found in the erosional remnants of the Salt Wash. I concur with the Field Team's conclusions and recommend this application be denied.

Rare and Miscellaneous Metals Division - Michael Ching, December 3, 1954

Since the potential ore-bearing Salt Wash member of the Morrison formation has been well exposed by erosion and no uranium-cobalt mineralization was found on such exposures, diamond drilling through the narrow remnants between gulches would serve no useful purpose and is not recommended.

Conclusions and recommendations:

There appears to be no point in attempting to explore by diamond drill holes an area that is already well exposed by nature. It is recommended that the subject application be denied.

Ernest Wm. Ellis

Ernest Wm. Ellis

12/3/54 gla

IN REPLY REFER TO:

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

Defense Minerals Administration
RECEIVED
DEC 3 1954

December 3, 1954

Re: DMEA-3358
Triple M Mining Co., Inc.
(Arrow Smith and Slide Claims)
Grand County, Utah
$47,350 - Uranium-Cobalt

Memorandum

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

From: E. L. Newcomb, U. S. Geological Survey

Subject: Concurrence with Field Team recommendation for denial.

The applicant proposed to drill 7,000 feet of diamond drill holes to explore for uranium and cobalt mineralization on the Slide claims.

The Field Team has recommended the project be denied.

Erosion has removed a large part of the Salt Wash sandstone member (possible ore-bearing sandstone) in the area proposed for exploration. There are no known exposures of uranium-cobalt mineralization on the property and significant amounts of uranium-cobalt ore are extremely unlikely to be found in the erosional remnants of the Salt Wash which occur on the Slide claims.

I concur with the Field Team's conclusions and recommend this application be denied.

E. L. Newcomb

E. L. Newcomb

IN REPLY REFER TO:

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

December 3, 1954

Re: DMEA-3358
Triple M Mining Co., Inc.
(Arrow Smith and Slide Claims)
Grand County, Utah
$47,350 - Uranium-Cobalt

Memorandum

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

From: K. L. Newcomb, U. S. Geological Survey

Subject: Concurrence with Field Team recommendation for denial.

The applicant proposed to drill 7,000 feet of diamond drill holes to explore for uranium and cobalt mineralization on the Slide claims.

The Field Team has recommended the project be denied.

Erosion has removed a large part of the Salt Wash sandstone member (possible ore-bearing sandstone) in the area proposed for exploration. There are no known exposures of uranium-cobalt mineralization on the property and significant amounts of uranium-cobalt ore are extremely unlikely to be found in the erosional remnants of the Salt Wash which occur on the Slide claims.

I concur with the Field Team's conclusions and recommend this application be denied.

K. L. Newcomb

KLNewcomb:hlm
G-12/3/54

Copy to: Director's reading, 4212
Branch reading, 4212
DMEA (3)
Docket file
J. E. Crawford, 3641 Interior

IN REPLY REFER TO:

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

December 3, 1954

Re: DMEA-3358
Triple M Mining Co., Inc.
(Arrow Smith and Slide Claims)
Grand County, Utah
$47,350 - Uranium-Cobalt

Memorandum

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

From: E. L. Newcomb, U. S. Geological Survey

Subject: Concurrence with Field Team recommendation for denial.

The applicant proposed to drill 7,000 feet of diamond drill holes to explore for uranium and cobalt mineralization on the Slide claims.

The Field Team has recommended the project be denied.

Erosion has removed a large part of the Salt Wash sandstone member (possible ore-bearing sandstone) in the area proposed for exploration. There are no known exposures of uranium-cobalt mineralization on the property and significant amounts of uranium-cobalt ore are extremely unlikely to be found in the erosional remnants of the Salt Wash which occur on the Slide claims.

I concur with the Field Team's conclusions and recommend this application be denied.

E. L. Newcomb

ELNewcomb:hlm
G-12/3/54

Copy to: Director's reading, 4212
Branch reading, 4212
DMEA (3)
Docket file
J. E. Crawford, 3641 Interior

IN REPLY REFER TO:

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

December 3, 1954

Re: DMEA-3350
Triple M Mining Co., Inc.
(Arrow Smith and Slide Claims)
Grand County, Utah
$47,350 - Uranium-Cobalt

Memorandum

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

From: E. L. Newcomb, U. S. Geological Survey

Subject: Concurrence with Field Team recommendation for denial.

The applicant proposed to drill 7,000 feet of diamond drill holes to explore for uranium and cobalt mineralization on the Slide claims.

The Field Team has recommended the project be denied.

Erosion has removed a large part of the Salt Wash sandstone member (possible ore-bearing sandstone) in the area proposed for exploration. There are no known exposures of uranium-cobalt mineralization on the property and significant amounts of uranium-cobalt ore are extremely unlikely to be found in the erosional remnants of the Salt Wash which occur on the Slide claims.

I concur with the Field Team's conclusions and recommend this application be denied.

E. L. Newcomb

ELNewcomb:hlm
G-12/3/54

Copy to: Director's reading, 4212
Branch reading, 4212
DMEA (3)
Docket file
J. E. Crawford, 3641 Interior

12/1/54 gla

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
DEC - 1 1954

November 30, 1954

Memorandum

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

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

Subject: DMEA Docket No. 3358 (Uranium-Cobalt), Triple M Mining Company, Inc., Arrow Smith and Slide claims, Grand County, Utah.

I have reviewed the subject report and have discussed it with Joseph O. Hosted, representative of the Atomic Energy Commission.

We concur with the recommendation of the Field Team that the application involved under the subject docket be denied.

The report has been forwarded to the Chief, Minerals Division, in accord with the routing slip attached thereto.

John E. Crawford

John E. Crawford

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
DEC 1 1954

November 30, 1954

Memorandum

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

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

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We concur with the recommendation of the Field Team that the application involved under the subject docket be denied.

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John E. Crawford

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

DEPARTMENT OF
Defense Minerals
RECE
DEC - 1 1954

November 30, 1954

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

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

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We concur with the recommendation of the Field Team that the application involved under the subject docket be denied.

The report has been forwarded to the Chief, Minerals Division, in accord with the routing slip attached thereto.

John E. Crawford

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
REGION IV

OFFICE OF
REGIONAL DIRECTOR

224 NEW CUSTOMHOUSE
DENVER 2, COLORADO

November 22, 1954

Hon. Clinton P. Anderson
United States Senate
Washington, D. C.

My dear Senator Anderson:

Reference is made to your letter dated November 17, 1954 to the Executive Officer, Region IV, Bureau of Mines, requesting information regarding the application for exploration assistance submitted by the Triple M Mining Co., Inc., Docket No. DMEA-3358.

The examination report on this application was transmitted to the Washington Office of the Defense Minerals Exploration Administration on November 15, 1954.

The Triple M Mining Company should hear directly from that office.

Sincerely yours,

Original signed by
J. H. EAST, Jr.

J. H. East, Jr.
Regional Director

Copy to: Director's reading file (w/copy incoming letter)
C. O. Mittendorf " " "
Chairman, Operating Committee " " "
W. R. Storms " " "
J. N. Faick " " "
A. H. Koschmann " " "

GEORGE D. AIKEN, VT., CHAIRMAN
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ANDREW F. SCHOEPPEL, KANS.
HERMAN WELKER, IDAHO

United States Senate

COMMITTEE ON
AGRICULTURE AND FORESTRY

Bureau of Mines
Mines Administration
RECEIVED
NOV 24 1954

November 17, 1954

Mining Division
Date Rec'd.
NOV 22 1954
BUREAU OF MINES
Denver, Colorado

Mr. W. H. King
Executive Officer
Bureau of Mines
224 New Custom House
Denver 2, Colorado

Dear Mr. King:

I have a letter from Mr. Harry McAdams, President, Triple M Mining Co., Inc., P. O. Box 787, Hobbs, New Mexico, inquiring about the loan application of his company, DMEA-3358.

I will appreciate your giving me a report on this application and when we may expect action on it.

Sincerely yours,

Clinton P. Anderson

CPA-VLFw

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

OFFICE OF
REGIONAL DIRECTOR

REGION IV

224 NEW CUSTOMHOUSE
DENVER 2, COLORADO

November 22, 1954

Hon. Clinton P. Anderson
United States Senate
Washington, D. C.

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The Triple M Mining Company should hear directly from that office.

Sincerely yours,

Original signed by
J. H. EAST, Jr.
J. H. East, Jr.
Regional Director

Copy to: Director's reading file (w/copy incoming letter)
C. O. Mittendorf " " "
Chairman, Operating Committee " " "
W. R. Storms " " "
J. N. Faick " " "
A. H. Koschmann " " "

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CARLE C. CLEMENTS, KY.
HUBERT H. HUMPHREY, MINN.

United States Senate

COMMITTEE ON
AGRICULTURE AND FORESTRY

Bureau of Mines
Denver, Colorado
Received
NOV 24 1954

November 17, 1954

Mining Division
Date Rec'd
NOV 22 1954
BUREAU OF MINES
Denver, Colorado

Mr. W. H. King
Executive Officer
Bureau of Mines
224 New Custom House
Denver 2, Colorado

Dear Mr. King:

I have a letter from Mr. Harry McAdams, President, Triple M Mining Co., Inc., P. O. Box 787, Hobbs, New Mexico, inquiring about the loan application of his company, DMEA-3358.

I will appreciate your giving me a report on this application and when we may expect action on it.

Sincerely yours,

Clinton P. Anderson

CPA_VLFw

Mr. George Selfridge
Nov. 22, 1954
1:12 P.M.

Defense Minerals Administration
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NOV 22 1954

DN 235 BUREAU MINES 11-22-54 11-00 AM

CHAIRMAN, OPERATING COMMITTEE
DMEA

REURLETTER NOVEMBER 19,1954, DOCKET DMEA 3358, TRIPLE M MINING COMPANY, GRAND COUNTY, UTAH. THE EXAMINATION REPORTWXXXX REPORT WAS TRNXXX TRANSMITTED TO THE SECRETARY OPERATING COMMITTEE NOVEMBER 15,1954.

W H KING

ver, Colo.

11/26/54 gla

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

224 New Customhouse
Denver 2, Colorado

November 15, 1954

Memorandum

To: Secretary to the Operating Committee, Defense Minerals Exploration Administration

From: Field Team, Region IV

Subject: Report of Examination, DMEA Docket 3158 (Uranium-Cobalt) Triple K Mining Company, Inc., Arrow Smith and Slide claims, Grand County, Utah

Enclosed are the original and three copies of the report pertaining to the above application.

We concur in the recommendations of the field examiners that the application be denied because the geologic conditions are not favorable for discovery of significant mineralization of uranium or cobalt.

W. H. King
W. H. King

for E. N. Hartman
A. H. Koschmann

Enclosures

Reviewed by
DMEA OPERATING COMMITTEE
11/24/54
(date)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

W H King

Reviewed by
DMEA OPERATING COMMITTEE
11/24/54
(2520)

UNITED STATES
DEPARTMENT OF THE INTERIOR

BUREAU OF MINES
1600 EAST FIRST SOUTH STREET
SALT LAKE CITY 1, UTAH

DEPARTMENT OF THE INTERIOR
Bureau of Land Management
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NOV 22 1954

November 8, 1954

Memorandum

To: V. E. King, Executive Officer, DMEA Field Team, Region IV

From: Chief, Minerals Development Branch, Mining Division, Region IV

Subject: Project No. DMEA-[illegible] (Uranium-cobalt), Triple H Mining Co., Inc., Grand County, Utah

Attached are the original and 10 copies of an engineering report covering examination of the subject property for DMEA loan approval. Also included are the necessary copies of a separate section, Summary, Conclusions and Recommendations, three copies each of forms 6-[illegible] and 6-[illegible], a copy of the brochure, and a copy of the geologic report transmitted to this office by your memorandum of November 5, 1954. The property was examined by V. L. Young with C. H. Bailey of the Survey.

No exploratory work had been conducted on the property to the date of examination. Although the entire thickness of the Salt Wash member of the Morrison formation has been exposed by erosion, no uranium-cobalt mineralization was noted during the examination. The examining team believes that geologic conditions are not favorable for discovery of significant mineralization, and therefore recommend that the application for DMEA assistance be denied. I concur with this recommendation.

Stephen R. Wilson
Stephen R. Wilson

Enclosures

Reviewed by
DMEA OPERATING COMMITTEE
11/24/54
(date).

IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
Defense Minerals Exploration Administration
Denver Federal Center
Denver 2, Colorado

November 4, 1954

Memorandum

To: DMEA Field Team, Region IV

From: A. H. Hawkinson

Subject: DMEA Docket [illegible], Triple H Mining Company, Inc., (uranium-cobalt), Arrow Smith and Slide claims, Grand County, Utah

Enclosed are 11 copies of a geologic report by C. H. Dobbey of the U. S. Geological Survey covering the above docket.

The applicant applied for Government assistance to explore for uranium and cobalt on the Slide group of claims by 7,000 feet of diamond drilling at an estimated cost of $47,[illegible].

The property is in an area underlain by sedimentary rocks ranging in age from Pennsylvanian to Cretaceous. Erosion has removed most of the Salt Wash member of the Morrison formation and only remnants of the sandstone remain in the claim area. No known deposits of uranium or cobalt are exist on the property.

The virtual absence of the Salt Wash sandstone (the possible ore horizon) makes it unlikely that significant ore deposits will be discovered by the proposed exploration and Dobbey therefore recommends denial of the application for exploration assistance.

E. H. Hawkinson
for A. H. Hawkinson
Supervising Geologist
Colorado-Wyoming

Enclosures (11)

Reviewed by
DMEA CONTRACT COMMITTEE
11/24/54
date

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

October 28, 1954

Memorandum

To: A. H. Koschmann, Supervising Geologist, DMEA Field Team, Region IV

From: Arnold L. Brokaw, District Supervisor

Subject: DMEA 3358, Triple M Mining Company, Inc., (Uranium-Cobalt), Arrow Smith and Slide claims, Grand County, Utah

Transmitted herewith are eleven copies of a geologic report by C. M. Mobley, covering the above-referenced DMEA application.

As a result of field examination, Mobley concludes that geologic conditions on the Slide claims are not favorable for the presence of significant uranium ore bodies. In addition, the major portion of the Salt Wash member of the Jurassic Morrison formation has been eroded from the claims, serving to even further lessen the chances of finding a significant uranium deposit. There are no known reserves of cobalt in the Thompson mining district. It is, therefore, recommended that the application for DMEA assistance be denied.

This application has been brought to the attention of the U. S. Atomic Energy Commission, Exploration Division, Grand Junction Operations Office, and the Commission has been asked for help and advice in evaluating the property.

W P Williams
For Arnold L. Brokaw

WPW/mlr

11/24/54

SUMMARY, CONCLUSIONS AND RECOMMENDATIONS

By C. H. Mabley and W. R. Young

Property of the Triple H Mining Co. in Grand County, Utah, was examined by RMMA personnel during September 1954. The group of claims owned by the company includes 14 unpatented mining claims, the Slide claims Nos. 1 to 12 and the Arrow Smith Nos. 1 and 2 claims. No production has been recorded from the property. An examination of the group was made for the purpose of appraisal of a loan request under docket No. RMMA 5525. The request includes exploration for uranium-vanadium ores.

The Triple H property lies on the southwest flank of the Salt Valley anticline approximately 6 miles south of Cresent Junction, Grand County, Utah. Cresent Junction is located on U. S. Highway 50.

Rocks exposed in the vicinity of the claims range from the Pennsylvanian Paradox member of the Hermosa formation to the Cretaceous Mancos formation. The mining claims cover a dip slope of an outcrop of the Salt Wash member of the Jurassic Morrison formation. Erosional remnants of the Brushy Basin member of this formation are present in a few localities. The Salt Wash member is 200 to 300 feet thick in the area. Numerous gulches have cut through this member, leaving only narrow remnants between the gulches. Most of the claims the entire Salt Wash is present,

11/24/54

but in most places it is buried by the Brushy Basin member of the Morrison Formation.

The applicant company has proposed a program of access road construction and diamond drilling on the property, estimated to cost $47,000. However, the examining engineer and geologist believe that the possibility of discovery of significant uranium-cobalt mineralization by the proposed exploration is not promising. The area of the claims is highly disturbed, and the numerous gulches cut through the entire thickness of the Salt Wash member of the Morrison formation. No indications of uranium-cobalt mineralization were observed at any place on the property.

Because of the unfavorable geologic conditions, it is recommended that the request of Triple K Mining Co. for assistance in exploration on the Arrow Smith and Slide claims be denied.

INTRODUCTION AND SUMMARY

Triple M Mining Co. Inc., of Hobbs, New Mexico, have applied (DMEA 3358) to the Defense Minerals Exploration Administration for a loan to explore for uranium and cobalt. The proposed exploration on the Slide group of claims was for a total of 7,000 feet of diamond drilling, preparation of drill sites and road building, estimated to cost $47,350.00. The 14 claims are located in secs. 6 and 7, T. 23 S., R. 20 E., and sec. 12, T. 23 S., R. 19 E., S.L.M., Thompson district, Grand County, Utah, (fig. 1).

The claims were examined on September 22, 1954, in company with W. E. Young, engineer, U. S. Bureau of Mines, and D. J. McLean, representative for the Triple M Mining Co. Inc.

The exposed rocks in the area range from the Pennsylvanian Paradox member of the Hermosa formation to the Cretaceous Mancos formation. The Slide group of claims are located on the southwest flank of the Salt Valley Anticline. Erosion has dissected the Salt Wash sandstone member of the Jurassic Morrison formation and only remnants of the sandstone remain over most of the area. No mines or prospects were noted on the applicant's claims.

It is recommended that the proposed exploration be denied. This was agreed upon by W. E. Young and acceptable to D. J. McLean.

This application was brought to the attention of the U. S. Atomic Energy Commission, Exploration Division, Grand Junction Operations Office. The Commission was asked for their help and advice in evaluating the property.

GEOLOGY

The Slide group of claims are located on the southwest flank of the Salt Valley Anticline. The exposed rocks in the vicinity range from the Pennsylvanian Paradox member of the Hermosa formation to the Cretaceous Mancos formation. The beds strike about N. 50° W. and dip about 10° SW. Numerous joints and faults in the area roughly parallel the Salt Valley Anticline, (fig. 2).

The Salt Wash sandstone member of the Jurassic Morrison formation on the Slide group is about 200 to 250 feet thick and consists of three or more light-red to light-brown discontinuous sandstone beds, which are from a few feet to more than 30 feet in thickness. The beds are separated by red-brown mudstone and thin, reddish interbedded layers of sandstone and siltstone. The gray-green mudstone present under some of the sandstone beds is from a film to more than one foot in thickness. The thicker sandstone beds have an abundance of limonite stain. Erosion has removed a large amount of the Salt Wash member and only narrow remnants remain between the washes. Farther west the entire Salt Wash member is present, but in most places is buried by the Brushy Basin shale member of the Jurassic Morrison formation.

ORE DEPOSITS

No mines or prospects were observed on the applicant's claims. The chemical assays in the brochure supposedly came from the claims, but D. J. McLean did not know the locations. No known uranium mines or prospects are near the applicant's property. There are several copper prospects in the Salt Wash sandstone along a fault about 2,000 feet northwest of the Arrowsmith No. 1 claim.

PROPOSED EXPLORATION

The applicant proposed to do exploration for uranium and cobalt on 14 claims. Road building, preparation of drill sites and 7,000 feet of diamond drilling were proposed. The total cost as estimated by the applicant is $47,350.00. Most of the diamond drilling would be wide spaced. Several holes would be drilled close to the faults on the Arrowsmith No. 1 claim.

The location of the claims shown on figure 2 is not the same as in the applicant's brochure. The three claim corners found in the field were plotted in relation to the geology and the claims were plotted from the description notices at the corners. J. D. McLean believes the section corners on the map are not located correctly in relation to the geology. This could very well be true. No section corners were found in the field.

CONCLUSIONS AND RECOMMENDATIONS

Triple M Mining Co. Inc., proposed exploration on 14 claims located in secs. 6 and 7, T. 23 S., R. 20 E., and sec. 12, T. 23 S., R. 19 E., S. L. M., Thompson district, Grand County, Utah. A total of 7,000 feet of diamond drilling preparation of drill sites and road building, estimated to cost $47,350.00 was proposed.

The Salt Wash sandstone member of the Jurassic Morrison formation has been dissected by numerous washes and only remnants of the sandstone remain. No mines or prospects were observed on the applicant's claims.

Because of unfavorable geologic conditions on the property, it is recommended that the Government not enter into a contract with the applicant to do the proposed exploration. This was agreed upon by W. E. Young and acceptable to D. J. McLean, representative for the applicant.

TRIPLE M MINING COMPANY, INC.
GRAND COUNTY, UTAH
[illegible]
Brandon-Cobalt

Engineering Report

By E. E. Young
Mining Engineer
Bureau of Mines

TRIPLE M MINING COMPANY, INC.
GRAND COUNTY, UTAH

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Fig. 1 Location map, Triple M Mining Co., Inc., Grand County, Utah

11/24/54

SUMMARY

The field examination of the Slide group and Arrow Smith No. 1 and No. 2 claims disclosed that the Salt Wash member of the Morrison formation is present over most of the area involved. This sandstone is dissected by numerous gulches exposing its entire thickness. Narrow, flat-topped benches are present between the gulches. The applicant proposes to explore these intervening benches by diamond drilling through the sandstone. There are no known exposures of uranium-cobalt mineralization on the property. The possibility of intersecting mineralized lenses of sandstone along the benches is extremely limited. In view of the numerous exposures of the full thickness of Salt Wash sandstone devoid of uranium-cobalt mineralization, and the limited possibility of encountering mineralization on the narrow benches between exposures, it is recommended that the loan be denied.

INTRODUCTION

The application of the Triple M Mining Co., Inc., for a DMEA assistance loan was received during August 1954 by the DMEA Field Team, Region IV. The property was examined on September 22, 1954, by a geologist of the Geological Survey and an engineer of the Bureau of Mines. The examination was made at the request of the Field Team to determine the advisability of granting a Government assistance loan. A proposal for 7,000 feet of AX diamond drilling in the Morrison formation and for access road work incidental to drilling was submitted by

the applicant. The work is planned for exploration of the Morrison formation on the south flank of the Salt Valley anticline for uranium and cobalt.

LOCATION, TOPOGRAPHY AND PHYSICAL FEATURES

The property lies on the southwest flank of the Salt Valley anticline about 6 miles south of Crescent Junction, Grand County, Utah, in sections 6 and 7, T. 20 S., R. 20 E., S.L.B. & M. (Fig. 1). The claims cover rugged, highly dissected terrain which rises gradually for a few hundred feet above the valley floor. The map submitted in the application is in error in the location of the claims. A reconnaissance in the field shows that each claim should be shifted approximately 1,500 feet west of the indicated location to conform with the geology.

HISTORY AND PRODUCTION

There has been no production from the claims involved. A minor amount of copper ore has been shipped from the Morrison group of claims which adjoins the applicant's property on the north.

OWNERSHIP AND EXTENT

The property consists of 14 unpatented mining claims held by right of location. These include the Slide group, Nos. 1 to 12, and the Arrow Smith Nos. 1 and 2 claims.

DESCRIPTION OF THE PROPERTY

[illegible]ims cover the dip slope of an outcrop of the Salt Wash [illegible]e Morrison formation. Erosional remnants of the Brushy [illegible] of the formation are present in a few localities. The [illegible]ain member is present at the base of the hill near the valley [illegible]. The underlying Summerville formation is exposed along the east [illegible]dge of the claims and near the bottoms of the gulches.

The Salt Wash member is between 200 and 250 feet thick in this area. It is composed of lenticular sandstone, with thin intervening beds of shale. Numerous gulches cut the sandstone and produce steep bench slopes with sandstone-capped ridges. The gulches have completely cut through the Salt Wash formation over most of the area. In some places the entire formation is exposed in a nearly vertical slope. The benches between gulches are, in most cases, very narrow. Considerable iron staining is present at many localities in the sandstone. The sandstone is devoid of carbonaceous material. No indications of uranium-rich mineralization was observed at any place on the property.

PROPOSALS FOR EXPLORATION

The company proposes to explore the area by diamond drilling. No exploratory work has been done on any of the claims to date. The applicants were unable to show evidence of uranium mineralization during the examination. The proposed drill holes are designed to explore the sandstone formation between the gulches.

CONCLUSIONS AND RECOMMENDATIONS

The Hide group and Aaron Smith No. 1 and No. 2 claims of the Triple H Mining Co. cover an outcropping area of the Salt Wash member of the Morrison formation. The entire area is highly dissected by gulches which cut the entire thickness of Salt Wash and expose the underlying Summerville formation. No known occurrence of uranium-vanadium mineralization is present in the numerous exposures of the full thickness of the Salt Wash member. The possibility of encountering mineralization by drilling the benches between the gulches is not considered promising. Any ore bodies discovered by this drilling would be very limited in size.

In view of the above conclusions, it is recommended that the application for lease be denied.

11/22/54 gla

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

OF THE INTERIOR
Records Administration
RECEIVED
NOV 22 1954

224 New Customhouse
Denver 2, Colorado

November 15, 1954

Memorandum

To: Secretary to the Operating Committee, Defense Minerals Exploration Administration

From: Field Team, Region IV

Subject: Report of Examination, DMEA Docket 3358 (Uranium-Cobalt) Triple M Mining Company, Inc., Arrow Smith and Slide claims, Grand County, Utah

Enclosed are the original and three copies of the report pertaining to the above application.

We concur in the recommendations of the field examiners that the application be denied because the geologic conditions are not favorable for discovery of significant mineralization of uranium or cobalt.

W H King
W. H. King

for E. N. Hausman
A. H. Koschmann

Enclosures

Reviewed by
DMEA OPERATING COMMITTEE
11-24-54
(date)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Mining Division
Region IV

224 New Customhouse
Denver 2, Colorado

November 15, 1954

Memorandum

To: DMEA Field Team, Region IV

From: Chief, Mining Division, Region IV

Subject: Report of Examination, DMEA Docket 3350 (Uranium-Cobalt) Triple M Mining Company, Inc., Arrow Smith and Slide claims, Grand County, Utah

Enclosed are 11 copies of the engineering report of examination on the subject docket.

The applicant requested $47,350 for 7,000 feet of diamond drilling. The engineer examiner observed no indications of uranium-cobalt mineralization at any place on the property. Because of the unfavorable geologic conditions, absence of the Salt Wash sandstone, he recommends that the application be denied. We concur in this recommendation.

W. H. King

W. H. King

Enclosures

Reviewed by
DMEA OPERATING COMMITTEE
11-24-54
(date)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
1600 EAST FIRST SOUTH STREET
SALT LAKE CITY 1, UTAH

November 9, 1954

Memorandum

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

From: Chief, Minerals Development Branch, Mining Division, Region IV

Subject: Docket No. DMEA-3358 (Uranium-cobalt), Triple H Mining Co., Inc., Grand County, Utah

Attached are the original and 10 copies of an engineering report covering examination of the subject property for DMEA loan appraisal. Also included are the necessary copies of a separate section, Summary, Conclusions and Recommendations, three copies each of forms 6-803 and 6-893, a copy of the brochure, and a copy of the geologic report transmitted to this office by your memorandum of November 5, 1954. The property was examined by W. N. Young with C. M. Mobley of the Survey.

No exploratory work had been conducted on the property to the date of examination. Although the entire thickness of the Salt Wash member of the Morrison formation has been exposed by erosion, no uranium-cobalt mineralization was noted during the examination. The examining team believes that geologic conditions are not favorable for discovery of significant mineralization, and therefore recommend that the application for DMEA assistance be denied. I concur with this recommendation.

Stephen R. Wilson
Stephen R. Wilson

Enclosures

Reviewed by
DMEA OPERATING COMMITTEE
11-24-54
(date)

IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
Defense Minerals Exploration Administration
Denver Federal Center
Denver 2, Colorado

November 4, 1954

Memorandum

To: DMEA Field Team, Region IV

From: A. H. Koschmann

Subject: DMEA Docket 3358, Triple M Mining Company, Inc., (uranium-cobalt), Arrow Smith and Slide claims, Grand County, Utah

Enclosed are 11 copies of a geologic report by C. W. Mobley of the U. S. Geological Survey covering the above docket.

The applicant applied for Government assistance to explore for uranium and cobalt on the Slide group of claims by 7,000 feet of diamond drilling at an estimated cost of $47,350.

The property is in an area underlain by sedimentary rocks ranging in age from Pennsylvanian to Cretaceous. Erosion has removed most of the Salt Wash member of the Morrison formation and only remnants of the sandstone remain in the claim area. No known deposits of uranium or cobalt ore exist on the property.

The virtual absence of the Salt Wash sandstone (the possible ore horizon) makes it unlikely that significant ore deposits will be discovered by the proposed exploration and Mobley therefore recommends denial of the application for exploration assistance.

E. M. Hackman
for A. H. Koschmann
Supervising Geologist
Colorado-Wyoming

Enclosures (11)

Reviewed by
DMEA OPERATING COMMITTEE
11-24-54
(date)

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

October 28, 1954

Memorandum

To: A. H. Koschmann, Supervising Geologist, DMEA Field Team, Region IV

From: Arnold L. Brokaw, District Supervisor

Subject: DMEA 3358, Triple M Mining Company, Inc., (Uranium-Cobalt), Arrow Smith and Slide claims, Grand County, Utah

Transmitted herewith are eleven copies of a geologic report by C. M. Mobley, covering the above-referenced DMEA application.

As a result of field examination, Mobley concludes that geologic conditions on the Slide claims are not favorable for the presence of significant uranium ore bodies. In addition, the major portion of the Salt Wash member of the Jurassic Morrison formation has been eroded from the claims, serving to even further lessen the chances of finding a significant uranium deposit. There are no known reserves of cobalt in the Thompson mining district. It is, therefore, recommended that the application for DMEA assistance be denied.

This application has been brought to the attention of the U. S. Atomic Energy Commission, Exploration Division, Grand Junction Operations Office, and the Commission has been asked for help and advice in evaluating the property.

W P Williams
For Arnold L. Brokaw

WPW/mlr

Reviewed by
DMEA OPERATING COMMITTEE
11-24-54
(date)

SUMMARY, CONCLUSIONS AND RECOMMENDATIONS

By C. M. Mobley and W. E. Young

Property of the Triple M Mining Co. in Grand County, Utah, was examined by DMEA personnel during September 1954. The group of claims owned by the company includes 14 unpatented mining claims, the Slide claims Nos. 1 to 12 and the Arrow Smith Nos. 1 and 2 claims. No production has been recorded from the property. An examination of the group was made for the purpose of appraisal of a loan request under docket No. DMEA 3358. The request includes exploration for uranium-cobalt ores.

The Triple M property lies on the southwest flank of the Salt Valley anticline approximately 6 miles south of Crescent Junction, Grand County, Utah. Crescent Junction is located on U. S. Highway 50.

Rocks exposed in the vicinity of the claims range from the Pennsylvanian Paradox member of the Hermosa formation to the Cretaceous Mancos formation. The mining claims cover a dip slope of an outcrop of the Salt Wash member of the Jurassic Morrison formation. Erosional remnants of the Brushy Basin member of this formation are present in a few localities. The Salt Wash member is 200 to 250 feet thick in the area. Numerous gulches have cut through this member, leaving only narrow remnants between the gulches. West of the claims the entire Salt Wash is present,

but in most places it is buried by the Brushy Basin member of the Morrison formation.

The applicant company has proposed a program of access road construction and diamond drilling on the property, estimated to cost $47,350. However, the examining engineer and geologist believe that the possibility of discovery of significant uranium-cobalt mineralization by the proposed exploration is not promising. The area of the claims is highly dissected, and the numerous gulches cut through the entire thickness of the Salt Wash member of the Morrison formation. No indications of uranium-cobalt mineralization were observed at any place on the property.

Because of the unfavorable geologic conditions, it is recommended that the request of Triple M Mining Co. for assistance in exploration on the Arrow Smith and Slide claims be denied.

DMEA 3358

DEPT. OF THE INTERIOR
Minerals Administration
RECEIVED
NOV 22 1954

INTRODUCTION AND SUMMARY

Triple M Mining Co. Inc., of Hobbs, New Mexico, have applied (DMEA 3358) to the Defense Minerals Exploration Administration for a loan to explore for uranium and cobalt. The proposed exploration on the Slide group of claims was for a total of 7,000 feet of diamond drilling, preparation of drill sites and road building, estimated to cost $47,350.00. The 14 claims are located in secs. 6 and 7, T. 23 S., R. 20 E., and sec. 12, T. 23 S., R. 19 E., S.L.M., Thompson district, Grand County, Utah, (fig. 1).

The claims were examined on September 22, 1954, in company with W. E. Young, engineer, U. S. Bureau of Mines, and D. J. McLean, representative for the Triple M Mining Co. Inc.

The exposed rocks in the area range from the Pennsylvanian Paradox member of the Hermosa formation to the Cretaceous Mancos formation. The Slide group of claims are located on the southwest flank of the Salt Valley Anticline. Erosion has dissected the Salt Wash sandstone member of the Jurassic Morrison formation and only remnants of the sandstone remain over most of the area. No mines or prospects were noted on the applicant's claims.

It is recommended that the proposed exploration be denied. This was agreed upon by W. E. Young and acceptable to D. J. McLean.

This application was brought to the attention of the U. S. Atomic Energy Commission, Exploration Division, Grand Junction Operations Office. The Commission was asked for their help and advice in evaluating the property.

GEOLOGY

The Slide group of claims are located on the southwest flank of the Salt Valley Anticline. The exposed rocks in the vicinity range from the Pennsylvanian Paradox member of the Hermosa formation to the Cretaceous Mancos formation. The beds strike about N. 50° W. and dip about 10° SW. Numerous joints and faults in the area roughly parallel the Salt Valley Anticline, (fig. 2).

The Salt Wash sandstone member of the Jurassic Morrison formation on the Slide group is about 200 to 250 feet thick and consists of three or more light-red to light-brown discontinuous sandstone beds, which are from a few feet to more than 30 feet in thickness. The beds are separated by red-brown mudstone and thin, reddish interbedded layers of sandstone and siltstone. The gray-green mudstone present under some of the sandstone beds is from a film to more than one foot in thickness. The thicker sandstone beds have an abundance of limonite stain. Erosion has removed a large amount of the Salt Wash member and only narrow remnants remain between the washes. Farther west the entire Salt Wash member is present, but in most places is buried by the Brushy Basin shale member of the Jurassic Morrison formation.

ORE DEPOSITS

No mines or prospects were observed on the applicant's claims. The chemical assays in the brochure supposedly came from the claims, but D. J. McLean did not know the locations. No known uranium mines or prospects are near the applicant's property. There are several copper prospects in the Salt Wash sandstone along a fault about 2,000 feet northwest of the Arrowsmith No. 1 claim.

PROPOSED EXPLORATION

The applicant proposed to do exploration for uranium and cobalt on 14 claims. Road building, preparation of drill sites and 7,000 feet of diamond drilling were proposed. The total cost as estimated by the applicant is $47,350.00. Most of the diamond drilling would be wide spaced. Several holes would be drilled close to the faults on the Arrowsmith No. 1 claim.

The location of the claims shown on figure 2 is not the same as in the applicant's brochure. The three claim corners found in the field were plotted in relation to the geology and the claims were plotted from the description notices at the corners. J. D. McLean believes the section corners on the map are not located correctly in relation to the geology. This could very well be true. No section corners were found in the field.

CONCLUSIONS AND RECOMMENDATIONS

Triple M Mining Co. Inc., proposed exploration on 14 claims located in secs. 6 and 7, T. 23 S., R. 20 E., and sec. 12, T. 23 S., R. 19 E., S. L. M., Thompson district, Grand County, Utah. A total of 7,000 feet of diamond drilling preparation of drill sites and road building, estimated to cost $47,350.00 was proposed.

The Salt Wash sandstone member of the Jurassic Morrison formation has been dissected by numerous washes and only remnants of the sandstone remain. No mines or prospects were observed on the applicant's claims.

Because of unfavorable geologic conditions on the property, it is recommended that the Government not enter into a contract with the applicant to do the proposed exploration. This was agreed upon by W. E. Young and acceptable to D. J. McLean, representative for the applicant.

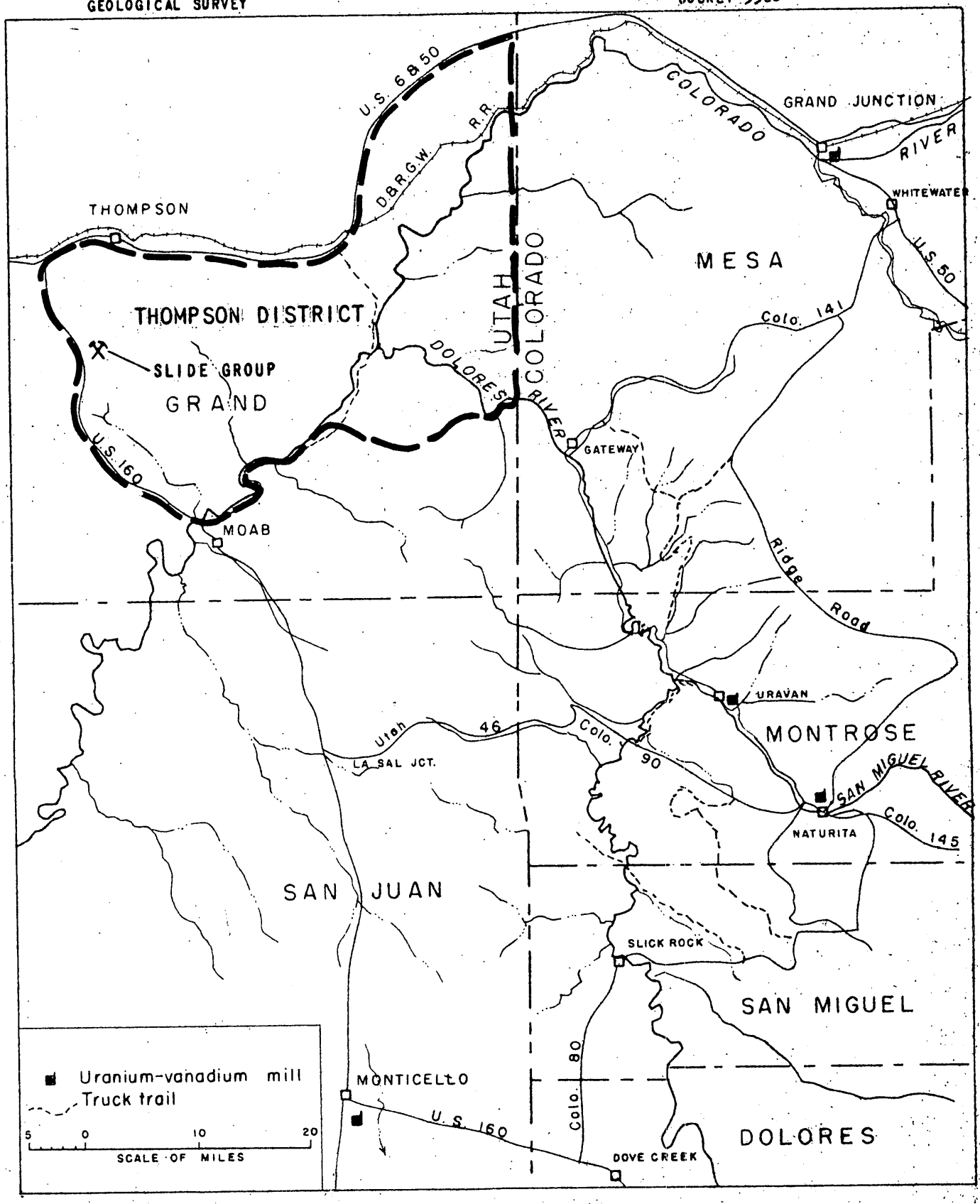
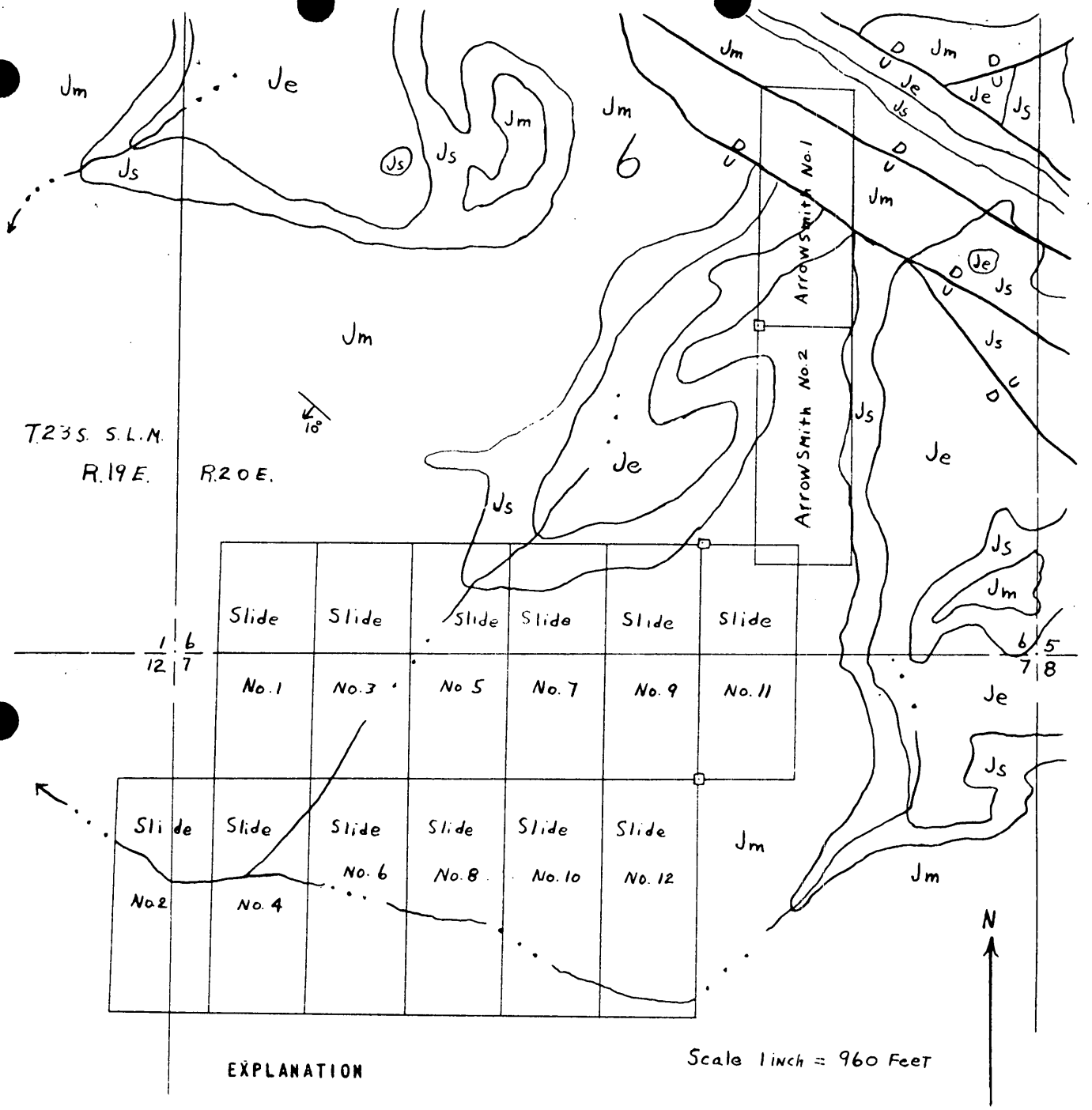


Figure 1. SKETCH MAP OF PART OF THE COLORADO PLATEAU SHOWING THE LOCATION OF THE SLIDE GROUP OF CLAIMS, THOMPSON DISTRICT, GRAND COUNTY, UTAH



EXPLANATION

Je	ENTRADA FORMATION
Js	SUMMERVILLE FORMATION
Jm	MORRISON FORMATION
D/U	FAULT (D downthrown side U upthrown side)
10°	STRIKE AND DIP OF BEDS
6 5 / 7 8	LAND SECTION CORNER
	CLAIM CORNER FOUND IN THE FIELD

Base and Geology from U.S. Geological BULLETIN 863. C.H. Dane

Figure 2. SKETCH MAP OF THE SLIDE GROUP OF CLAIMS, TRIPLE M MINING COMPANY, THOMPSON DISTRICT, GRAND COUNTY, UTAH

TRIPLE M MINING COMPANY, INC.
GRAND COUNTY, UTAH
DMEA-3358
Uranium-Cobalt

Engineering Report

By W. E. Young
Mining Engineer
Bureau of Mines

Reviewed by
DMEA OPERATING COMMITTEE
11-24-54
(date)

TRIPLE M MINING COMPANY, INC.
GRAND COUNTY, UTAH

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ILLUSTRATIONS

Fig. 1 Location map, Triple M Mining Co., Inc., Grand County, Utah

SUMMARY

The field examination of the Slide group and Arrow Smith No. 1 and No. 2 claims disclosed that the Salt Wash member of the Morrison formation is present over most of the area involved. This sandstone is dissected by numerous gulches exposing its entire thickness. Narrow, flat-topped benches are present between the gulches. The applicant proposes to explore these intervening benches by diamond drilling through the sandstone. There are no known exposures of uranium-cobalt mineralization on the property. The possibility of intersecting mineralized lenses of sandstone along the benches is extremely limited. In view of the numerous exposures of the full thickness of Salt Wash sandstone devoid of uranium-cobalt mineralization, and the limited possibility of encountering mineralization on the narrow benches between exposures, it is recommended that the loan be denied.

INTRODUCTION

The application of the Triple M Mining Co., Inc., for a DMEA assistance loan was received during August 1954 by the DMEA Field Team, Region IV. The property was examined on September 22, 1954, by a geologist of the Geological Survey and an engineer of the Bureau of Mines. The examination was made at the request of the Field Team to determine the advisability of granting a Government assistance loan. A proposal for 7,000 feet of AX diamond drilling in the Morrison formation and for access road work incidental to drilling was submitted by

the applicant. The work is planned for exploration of the Morrison formation on the south flank of the Salt Valley anticline for uranium and cobalt.

LOCATION, TOPOGRAPHY AND PHYSICAL FEATURES

The property lies on the southwest flank of the Salt Valley anticline about 6 miles south of Crescent Junction, Grand County, Utah, in sections 6 and 7, T. 23 S., R. 20 E., S.L.B. & M. (fig. 1). The claims cover rugged, highly dissected terrain which rises gradually for a few hundred feet above the valley floor. The map submitted in the application is in error in the location of the claims. A reconnaissance in the field shows that each claim should be shifted approximately 1,800 feet west of the indicated location to conform with the geology.

HISTORY AND PRODUCTION

There has been no production from the claims involved. A minor amount of copper ore has been shipped from the Horseshoe group of claims which adjoins the applicant's property on the north.

OWNERSHIP AND EXTENT

The property consists of 14 unpatented mining claims held by right of location. These include the Slide group, Nos. 1 to 12, and the Arrow Smith Nos. 1 and 2 claims.

DESCRIPTION OF THE DEPOSITS

The claims cover the dip slope of an outcrop of the Salt Wash member of the Morrison formation. Erosional remnants of the Brushy Basin member of the formation are present in a few localities. The Brushy Basin member is present at the base of the hill near the valley floor. The underlying Summerville formation is exposed along the east edge of the claims and near the bottoms of the gulches.

The Salt Wash member is between 200 and 250 feet thick in this area. It is composed of lenticular sandstone, with thin intervening beds of shale. Numerous gulches cut the sandstone and produce steep bench slopes with sandstone-capped ridges. The gulches have completely cut through the Salt Wash formation over most of the area. In some places the entire formation is exposed in a nearly vertical slope. The benches between gulches are, in most cases, very narrow. Considerable iron staining is present at many localities in the sandstone. The sandstone is devoid of carbonaceous material. No indications of uranium-cobalt mineralization was observed at any place on the property.

PROPOSALS FOR EXPLORATION

The company proposes to explore the area by diamond drilling. No exploratory work has been done on any of the claims to date. The applicants were unable to show evidence of uranium mineralization during the examination. The proposed drill holes are designed to explore the sandstone formation between the gulches.

CONCLUSIONS AND RECOMMENDATIONS

The Slide group and Arrow Smith No. 1 and No. 2 claims of the Triple M Mining Co. cover an outcropping area of the Salt Wash member of the Morrison formation. The entire area is highly dissected by gulches which cut the entire thickness of Salt Wash and expose the underlying Summerville formation. No known occurrence of uranium-cobalt mineralization is present in the numerous exposures of the full thickness of the Salt Wash member. The possibility of encountering mineralization by drilling the benches between the gullies is not considered promising. Any ore bodies discovered by this drilling would be very limited in size.

In view of the above conclusions, it is recommended that the application for loan be denied.

Surname copy

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

Ching
Ellis
Selfridge
Hepman
Rittendorf

NOV 19 1954

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

Re: Docket No. DMEA-3358 (Uranium)
Triple M Mining Co., Inc.
Arrow Smith and Slide claims
Grand County, Utah

Dear Mr. King:

We have recently had inquiries concerning this docket from Senator Clinton P. Anderson's office. Will you kindly advise us the present status of the project and when we may expect to receive the Field Team's report.

Sincerely yours,

George C. Selfridge by ESF
Chairman, Operating Committee

APPROVED:

T. R. Hedges by ESF
Member, Bureau of Mines

E. L. Newcomb by ESF
Member, Geological Survey

MChing/gla
11-18-54
cc to: Admr.'s Reading File
Operating Committee
Docket
Messrs. J. E. Crawford, Rm. 3641
T. H. Kiilsgaard, Rm. 5224
J. O. Hosted, Rm. 3210, GSA
Code 700
Mr. Ching

R.C.S.

8-30-54
C. Ch.

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

August 26, 1954

Memorandum

To: Chairman, Operating Committee, DMEA

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

Subject: DMEA Docket 3358 (Uranium-Cobalt)
Triple M Mining Company, Inc.
Arrow Smith and Slide claims
Grand County, Utah

We are returning herewith the claim map which was submitted by the applicant as part of the subject application.

We have prepared copies of same for our use during the field examination.

W. H. King

W. H. King

Enclosure

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

August 26, 1954

Memorandum

To: Chairman, Operating Committee, DMEA

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

Subject: DMEA Docket 3358 (Uranium-Cobalt)
Triple M Mining Company, Inc.
Arrow Smith and Slide claims
Grand County, Utah

We are returning herewith the claim map which was submitted by the applicant as part of the subject application.

We have prepared copies of same for our use during the field examination.

W. H. King

Enclosure

EXPLANATION

QUATERNARY

Recent

Qal
Qds

Alluvium

(Valley fill and dune sand)

CRETACEOUS

Upper Cretaceous

Km
Kmf
Km

Mancos shale

(Gray carbonaceous shale, with Ferron sandstone member, Kmf, buff thin bedded sandstone, calcareous and sandy shale)

Kd

Dakota (?) sandstone

(Buff and gray sandstone, conglomerate, and sandy shale, locally carbonaceous)

UNCONFORMITY

JURASSIC

Jm

Morrison formation

(Variegated shale and marl, white and gray sandstone, and conglomerate, local thin limestone beds. At the base the Salt Wash sandstone member with more numerous and thicker sandstone beds)

Upper Jurassic

Js

Summerville formation

(Thin-bedded red mudstone and sandstone, locally with large chert nodules)

San Rafael group

Jem
Je

Entrada sandstone

(Medium grained massive cross-bedded sandstone banded orange buff and white, with Moab sandstone member, white medium grained sandstone, massive and cross-bedded at top)

J

Carmel formation

(Red sandstone and limestone, heavy with bedding pretty consistent)

UNCONFORMITY (?)

JURASSIC (?)

Navajo sandstone

(Buff and gray cross-bedded sandstone with local thin beds of gray limestone)

Glen Canyon group

Kayenta formation

(Irregularly bedded and cross-bedded fine- to coarse-grained gray and lavender sandstone, red shale and sandy shale, limestone, and shale-pellet conglomerate)

Jw

Wingate sandstone

(Fine-grained buff cliff-forming sandstone, thick-bedded, massive and cross-bedded)

TRIASSIC

Upper Triassic

Ꞧc

Chinle formation

(Cherry-red sandy shale, buff and red sandstone, mud-pellet and limestone conglomerate, locally with white and lavender quartz-pebble conglomerate at the base)

UNCONFORMITY

Lower Triassic

Ꞧm

Moenkopi formation

(Chocolate-brown sandy shale, ripple-bedded brown to gray sandstone, brown and gray arkosic grit and conglomerate)

CARBONIFEROUS

UNCONFORMITY

Permian

Cc

Cutler formation

(Maroon and red conglomerate, arkosic grit, and muddy sandstone)

Pennsylvanian

Ch

Hermosa formation

(Green-gray sandstone, red sandy shale and mudstone, gray arkose and conglomerate, and blue and gray fossiliferous limestone)

Cp

Paradox formation

(Gray [illegible] and sandy shale, [illegible] limestone, black [illegible], gypsum and salt. [illegible] thin-bedded by heavy [illegible])

Mississippian (?)

Unnamed conglomerate

(Includes certain Mississippian fossils. Exposed at two localities in Salt Valley)

UNCONFORMITY

PRE-CAMBRIAN

pre €

Gneiss, schist, granite, and pegmatite

Normal fault showing downthrown side

Strike and dip of bed

Strike of vertical bed

Strike and dip of overturned bed

Well being drilled

Dry hole

Dry hole with show of oil and gas

Dry hole with show of gas

Dry hole with show of oil

Abandoned mine

Prospect

Altitude above sea level

Section corner located

Township corner located

AUG 1 9 1954

Mr. [illegible] King
Executive Officer
[illegible] Field Team, Region IV
2[illegible] New Customhouse Building
San Francisco 2, California

Re: Contest No. [illegible]A-3358 (Uranium-bearing alt)
Triple M Mining Co., Inc.
Arrow Smith and Slide claims
Grand County, Utah

Dear Mr. King:

The subject application is referred to you for investigation and recommendation. A copy of the application is already in your files.

Enclosed are two copies each of comments and recommendations relative to the application by Mr. [illegible] Reiner and Mr. [illegible] Tunnhofel, Uranium Commodity Committee, dated May 27 and June 2, 1954, respectively.

You will note in our letter to the Applicant under date of June 2, copies of which were forwarded to you, that we attempted to clarify certain points not evident in the application. Applicant's reply under date of August 9, together with an assay certificate and a claim map, were submitted in answer to our letter of June 2, and copies are enclosed. You will note that the Hermosa 1-4 claims are dropped from the application and 4 claims added, i.e., Slide 11 and 12, and Arrow Smith 1 and 2. The recorded book and page numbers of these claims were not submitted and should be obtained.

This is probably all the information we can get from the Applicant and, hence, we are referring the case to you direct without again contacting A. [illegible] Miller, Jr., for any additional comments he may wish to make. As it is our understanding that Mr. Miller has returned to Denver, it will save time for you to contact him direct [illegible] you deem it necessary.

Since we have only one copy of the claim map which accompanied Applicant's letter of August 9, please return it when you are through with it. It might be in order to supply a better claim map with your field report and, if a contract is indicated, we will need seven copies for the usual seven copies of the contract.

You will note that one proposed drill hole is located on the Arrow Smith No. 2 claim and quite close to the deleted Hermosa group. The question naturally arises as to why the Applicant was unable to pro-

cure an Owner's Consent to Lien on the Horseshoe group and yet was able to locate two adjoining claims that now appear to have merit. This point should be carefully investigated.

Sincerely yours,

W. S. Martin

ACTING Chairman, Operating Committee

Enclosures8

APPROVED:

J. H. Hedges

Member, Bureau of Mines

D. M. Larrabee

Member, Geological Survey

EWEllis/MChing/gla 8-16-54

cc to: Admr. Reading File
Operating Committee
Docket
Messrs. H. D. Keiser, Rm. 3641
A. P. Butler, Jr., Rm. 3212, GSA
J. O. Hosted, Rm. 3210, GSA
Code 700
Mr. Ching
~~Senator Clinton P. Anderson, Wash. 25, D.C.~~

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

AUG 19 1954

Ching
J Skousen
Martin
Lavrakas
Hedges
H J Anderson

Mr. J. W. Montgomery, Secretary-Treasurer
Triple M Mining Co., Inc.
Box 707
Hobbs, New Mexico

Re: Docket No. DMEA-3350
(Uranium-cobalt)
Arrow Smith and Slide claims
Grand County, Utah

Dear Mr. Montgomery:

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 and recommendation 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 at the earliest opportunity in regard to your project.

Sincerely yours,

C. C. Mittenderf (Ching)

Administrator

Copy to: Hon. Clinton P. Anderson

MChing/gla
8-16-54
cc to: Admr. Reading File
Docket ✓
DMEA Field Team, Region IV (2)
Mr. Ching

Docket
Surname copy

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

Ching
J L Krause
Martin
Johnson
Mitendorf

Mr. W. H. King
Executive Officer
DMEA Field Team, Region IV
224 New Customhouse Building
San Francisco 2, California

Re: Docket No. DMEA-3358 (Uranium-cobalt)
Triple M Mining Co., Inc.
Arrow Smith and Slide claims
Grand County, Utah

Dear Mr. King:

The subject application is referred to you for investigation and recommendation. A copy of the application is already in your files.

Enclosed are two copies each of comments and recommendations relative to the application by H. D. Keiser and W. S. Twenhofel, Uranium Commodity Committee, dated May 27 and June 2, 1954, respectively.

You will note in our letter to the Applicant under date of June 2, copies of which were forwarded to you, that we attempted to clarify certain points not evident in the application. Applicant's reply under date of August 9, together with an assay certificate and a claim map, were submitted in answer to our letter of June 2, and copies are enclosed. You will note that the Horseshoe 1-4 claims are dropped from the application and 4 claims added, i.e., Slide 11 and 12, and Arrow Smith 1 and 2. The recorded book and page numbers of these claims were not submitted and should be obtained.

This is probably all the information we can get from the Applicant and, hence, we are referring the case to you direct without again contacting A. W. Butler, Jr., for any additional comments he may wish to make. As it is our understanding that Mr. Butler has returned to Denver, it will save time for you to contact him direct should you deem it necessary.

Since we have only one copy of the claim map which accompanied Applicant's letter of August 9, please return it when you are through with it. It might be in order to supply a better claim map with your Field Team report and, if a contract is indicated, we will need seven copies for the usual seven copies of the contract.

You will note that one proposed drill hole is located on the Arrow Smith No. 2 claim and quite close to the deleted Horseshoe group. The question naturally arises as to why the Applicant was unable to pro-

cure an Owner's Consent to Lien on the Horseshoe group and yet was able to locate two adjoining claimsthat now appear to have merit. This point should be carefully investigated.

Sincerely yours,

W. S. Martin
ACTING Chairman, Operating Committee

Enclosures 8

APPROVED:

J. H. Hedges
Member, Bureau of Mines

D. M. Larrabee
Member, Geological Survey

EWEllis/MChing/gla 8-16-54
cc to: Admr. Reading File
Operating Committee
Docket
Messrs. H. D. Keiser, Rm. 3641
A. P. Butler, Jr., Rm. 3212, GSA
J. O. Hosted, Rm. 3210, GSA
Code 700
Mr. Ching

OFFICE
116 E. DUNHAM

TRPL[illegible] MINING COMPANY
Box 787
Hobbs, New Mexico.

TELEPHONES
3-3137
3-4276
3-2894

8-12-54
a[illegible]

TRIPLE M MINING CO., INC.

BOX 787
HOBBS, NEW MEXICO

8/9/54

Mr. E. Wm. Ellis Chief
Rare & Miscellaneous Metals Div.
United States Department of Interior
Defense Minerals Exp. Administration.
Washington 25, D. C.

Re; DMEA 3358 -Horseshoe and Slide Claims
Grand County, Utah.

Dear Sir;

Please pardon our delay in answering your letterbof June 2, 1954. We have had some delays in getting the proper information needed to give you the answers requested. However, at this time I will endeavor to outline to the best of my ability the information desired to complete our application.

Paragraph (3-C) which has to do with the Horseshoe Claims. Would like to advise that you are to delete the Horseshoe Claims from our application. The owner of these claims would not go to the extent of giving us a Lien to be tied up by the Government. We have just returned from Moab, Utah trying to get this handled.

Under Paragraph (4-A and (4-B) As stated in the above paragraph we are requesting that you delete the Horseshoe from our records. Therefore we think that you would not be interested in any more in the Horseshoe Claims.

Under Paragraph (4-C) Enclosed you will find a map to scale, ahowing the geology of the area, the location of faults,taken from a geological map of Salt Valley Anticline and the adjacent areas of Grand County, Utah. Also enclosed are assays covering eight seperate locations of uranium outcrops found on the proposed claims to be explored per our application. No cuts were made to obtain the information on the assays. All samples assayed were secured from the top of the ground. Along with the assays you will note on our map that we have substituted Slides # 11 and 12 and Arrow Smith Claims #1 and 2 to replace the Horseshoe Claims in the original application. Part of the assays we are enclosing have been secured from the replacement claims.

Under Paragraph (5-B) Please note on the enclosed map that proposed locations are shown by a dot on the claims. Also note that the assay numbers are inserted thereon to relate the percentage that was found.

Due to a typegraphical error we showed our claims to be all in 22 south. But having deleted the Horseshoe Claims we request that you show all claims in our application to read 23 South.

Any further information needed will be gladly given.

Very truly your's,

THE TRIPLE M MINING COMPANY INC.

J. W. Montgomery, Sec. & Tres.

Box 737
Hobbs, New Mexico.

8/9/54

Mr. [illegible] Ellis Chief
Rare Miscellaneous Metals Div.
United States Department of Interior
Defense Minerals Exp. Administration.
Washington 25, D. C.

Re: [illegible] A 4248 - Horseshoe and Slide Claims
Grand County, Utah.

Dear Sir;

Please pardon our delay in answering your letter of June 2, 1954. We have had some delays in getting the proper information needed to give you the answers requested. However, at this time I will endeavor to outline to the best of my ability the information desired to complete our application.

Paragraph (3-C) which has to do with the Horseshoe Claims. Would like to advise that you are to delete the Horseshoe Claims from our application. The owner of these claims would not go to the extent of giving us a lien to be tied up by the Government. We have just returned from Moab, Utah trying to get this handled.

Under Paragraph (4-A and (4-B) As stated in the above paragraph we are requesting that you delete the Horseshoe from our records. Therefore we think that you would not be interested in any more in the Horseshoe Claims.

Under Paragraph (4-C) Enclosed you will find a map to scale, showing the geology of the area, the location of faults, taken from a geological map of Salt Valley Anticline and the adjacent areas of Grand County, Utah. Also enclosed are assays covering eight seperate locations of uranium outcrops found on the proposed claims to be explored per our application. No cuts were made to obtain the information on the assays. All samples assayed were secured from the top of the ground. Along with the assays you will note on our map that we have substituted Slides # 11 and 12 and Arrow Smith Claims #1 and 2 to replace the Horseshoe Claims in the original application. Part of the assays we are enclosing have been secured from the replacement claims.

Under Paragraph (5-B) Please note on the enclosed map that proposed locations are shown by a dot on the claims. Also note that the assay numbers are inserted thereon to relate the percentage that was found.

Due to a typographical error we showed our claims to be all in 22 South. But having deleted the Horseshoe Claims we request that you show all claims in our application to read 23 South.

Any further information needed will be gladly given.

Very truly yours,

[illegible] Y [illegible]
[illegible] Montgomery
[illegible] Pres.

[illegible]
[illegible], [illegible] [illegible].

8/9/54

[illegible] Chief
[illegible] Miscellaneous Lands [illegible]
United States Department of Interior
[illegible] Minerals [illegible] Administration.
Washington 25, D. C.

[illegible] Mineral [illegible] Application [illegible] Little [illegible]
[illegible] County, Utah.

Dear Sir;

[illegible] your letter of [illegible], 1954. We have [illegible] the proper information [illegible] the [illegible] requested. However, at this time I will endeavor to outline to the best of my ability the information [illegible] to complete our application.

Paragraph (2-A) which has to do with the [illegible] would like to advise that [illegible] delete the [illegible] of our application. We [illegible] of these claims would not go to the extent of giving up [illegible] to be tied up by the Government. [illegible] returned [illegible] be handled.

Under paragraph (4-A and 4-B) as stated in the above paragraph we are requesting that you delete the [illegible] on [illegible]. [illegible] that you would not be interested in [illegible] in the [illegible].

Under paragraph (5-A) enclosed you will find [illegible], showing the [illegible] of the [illegible], the location of [illegible] taken [illegible] of salt [illegible] and adjacent areas of [illegible] only, [illegible]. [illegible] enclosed are assays covering eight separate locations [illegible] found on the proposed claims to be [illegible] our application. [illegible] the information on the assays. All assays [illegible] were secured [illegible] the ground. Along with the assays you will note on our [illegible] that we have substituted sides 11 and 12 and [illegible] with lines 1 and 2 to replace the [illegible] in the original application. Part of the assays we are enclosing have been secured from the relocated claims.

Under paragraph (5-B) please note on the small map that [illegible] locations are shown by a dot on the claims. Also note that the assay numbers are [illegible] thereon to relate the percentage that was found.

Due to a typographical error we showed our [illegible] to be [illegible] 22 South. But having deleted the horseshoe lines we request that you show all claims in our application to read 23 South.

Any further information needed will be gladly given.

Very truly yours,

[illegible] Montgomery
[illegible] Attorney, [illegible]

Smith's Laboratory

CHEMIST AND ASSAYER

MOAB, UTAH

Triple M Mining Co, Inc.
Hobbs
New Mexico

June 22 1954

Sample Description	% U_3O_8	% V_2O_5	% Cu	%	%	%	Oz/Ton Ag		
#1 - Uranium	0.420								
#2 - " " "	1.644								
#3 - U_3O_8 & Cu	0.058		2.94						
#4 - " "	0.096		6.16						
#5 - " "	0.124		2.52						
#6 - " "	0.102		9.15						
#7 - Cu & Ag			27.86				2.50		
#8 - Cu & Ag			16.42				7.95		

TOTAL CHARGES $ 26.00

J. Earl Smith
CHEMIST

Smith's Laboratory

CHEMIST AND ASSAYER

MOAB, UTAH

Triple M Mining Co, Inc.
Hobbs
New Mexico

June 22 1954

Sample Description	% U_3O_8	% V_2O_5	% Cu	%	%	%	g/ton Ag		
#1 - Uranium	0.420								
#2 - " " "	1.644								
#3 - U_3O_8 & Cu	0.058		2.94						
#4 - " "	0.096		6.16						
#5 - " "	0.124		2.52						
#6 - " "	0.182		9.15						
#7 - Cu & Ag			27.76				2.50		
#8 - Cu & Ag			16.42				7.95		

TOTAL CHARGES $ 26.00

J. Earl Smith
CHEMIST

Smith's Laboratory

CHEMIST AND ASSAYER

MOAB, UTAH

Triple M Mining Co., Inc.
Hobbs
N. M.

June 22, 1954

Sample Description	% U_3O_8	% V_2O_5	% Cu	%	%	%	oz/Ton Ag		
#1 - Uranium	0.420								
#2 - " " "	1.644								
#3 - Zn_3O_8 & Cu	0.058		2.94						
#4 - " " "	0.096		6.16						
#5 - " "	0.124		2.52						
#6 - " "	0.102		9.15						
#7 - Cu & Ag			27.86				2.50		
#8 - " "			16.42				7.95		

TOTAL CHARGES $ _____

J. Earl Smith
CHEMIST

700

Surname
Docket copy

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

Ching
Ellis
Nuttendorf

JUL 30 1954

Mr. Harry McAdams, President
Triple M Mining Co., Inc.
Box 787
Hobbs, New Mexico

Re: Docket No. DMEA-3358 (Uranium-Cobalt)
Horseshoe and Slide claims
Grand County, Utah

Dear Mr. McAdams:

Reference is made to our letter dated June 2, 1954, regarding the captioned docket.

Action on your application is pending receipt of the information requested in above-mentioned letter. If you are no longer interested in the processing of this application please advise us so we may remove it from our active file.

Sincerely yours,

Signed

Ernest Wm. Ellis, Chief
Rare and Miscellaneous
Metals Division

MChing/am
7-30-54

cc to: Admr. Reading File
Mails & Files
Code 700
Mr. Ching
Messrs. H. D. Keiser, Rm. 3641
A. P. Butler, Jr. Rm. 3212, GSA
J. O. Hosted , Rm. 3210, GSA
DMEA Field Team, Region IV (2)

R.C.G.

STANDARD FORM NO. 64

6/4/54 vgla

Office Memorandum • UNITED STATES GOVERNMENT

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

DATE: June 2, 1954

FROM : W. S. Twenhofel, USGS Acting Member, Uranium Commodity Committee

SUBJECT: Application, DMEA Docket No. 3358 (Uranium-Cobalt); Triple M. Mining Company, Box 787, Hobbs, New Mexico, applicant; Horseshoe and Slide claim groups, Secs. 6, 7, and 8, T. 22 S., R. 19 E., Grand County, Utah. (The location is that given in the application, MF-103; however, a sketch map accompanying the application shows the claims in question to be in Secs. 6, 7, and 8, T. 23 S., R. 20 E.)

I have examined the subject application and find that insufficient data are presented to evaluate the worthiness of proposed exploration program.

Specifically, I think the application is deficient in respect to following items of form MF-103:

3a. The location as given in the applicant's answer to this item is Secs. 6, 7, and 8 of T. 22 S., R. 19 E. However, the sketch map accompanying the application shows the location to be Secs. 6, 7, and 8, of T. 23 S., R. 20 E. From the data given I am unable to determine which location is correct.

4a. The description of existing mine opening appears to be inadequate.

4b. Production figures, if any, are not given, although elsewhere in the application a statement is made that ore has been produced. Ore reserve statement, as given, is not supported by any evidence.

4c. The geologic features are not described. A geologic map is essential for a proper evaluation of the property. No representative analyses are given.

5b. The proposed exploration work is not described in sufficient detail.

Because the application is deficient in so many essential aspects, I recommend that it be returned to the applicant with the request that definite and specific information be supplied with respect to the above-enumerated points.

W. S. Twenhofel

Copies to: E. Wm. Ellis (2)

Surname
Docket copy

700

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

Ching
Ellis
Mittenzwei

Mr. Harry McAdams, President
Triple M Mining Co., Inc.
Box 787
Hobbs, New Mexico

JUN - 2 1954

Re: Docket No. DMEA-3358 (Uranium-Cobalt)
Horseshoe and Slide claims
Grand County, Utah

Dear Mr. McAdams:

In reviewing your application for aid in an exploration project under the subject docket number we find the information furnished by you too incomplete to properly process.

Under paragraph 3(c) of the application you state that the Triple M Mining Company has been assigned a 7/8 interest in the Horseshoe claims by D. J. McLean who leased them from Collice Stafford, the owner. You attached copies of the assignment but not of the lease, four copies of which we will also require. Incidentally, in the event a contract with you is approved, we will also require seven copies of an Owner's Consent to Lien (sample copy enclosed), executed by Collice Stafford.

Under 4(a) and 4(b) it is not clear whether the Horseshoe copper and silver mine is located on the property covered by your application or not. Your sketch shows the 14 claims on top of the plateau and the copper mine down in, and on the far side of, Salt Valley. We would like to have a description of any mining or exploration operations which have been or now are being conducted on the 14 claims in question; also past production and ore reserves, if any.

Under 4(c) your description of the potentials of the property together with the accompanying sketch are too incomplete for a proper appraisal of the merits of your application. We require a map or sketch, drawn to scale, of the claims to be explored, showing the geology of the area, the location of faults or vein structures, if any, and existing mine or exploratory openings. Of particular importance is the location and size of mineral (uranium) exposures and the related chemical assays of samples taken from such exposures. A mere statement that the general area carries deposits of silver, copper, gold, vanadium and cotalt, and show

R.C.S.

footwalls of uranium, is not sufficient. If you can show that there are specific mineralized exposures on your property from which representative samples were taken, and the length of each, location, and assay value of the samples are shown on the above-mentioned map, and the latter is forwarded to this office along with copies of the assay certificates, we would be in a better position to further process your application.

Under 5(b) the location of the proposed drill holes should be shown on the map mentioned above so they may be related to the mineral exposures and other geologic structures.

If you do not feel qualified to assemble the foregoing data, it is suggested that you secure the help of someone who is competent in such matters.

We shall be pleased to further process your application upon receipt of the requested information.

Sincerely yours,

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

Enclosure

Copy to: Hon. Clinton P. Anderson
United States Senate

MChing/gla
6-1-54
cc to: Adm. Reading File
Docket
Messrs. HHSeiser, Rm. 3641
APButler, Rm. 3212, GSA
JGHosted, Rm. 3210, GSA
Code 700
MChing
DMEA Field Team, Region IV (2)

5/28/54 gla

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

May 27, 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 No. 3358, Triple M Mining Co., Inc.,
Box 787, Hobbs, N. Mex.

I have reviewed the application included in the subject docket and 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 it be discussed by the Field Team with Ernest R. Gordon, Atomic Energy Commission, Grand Junction, Colorado.

H. D. Keiser

H. D. Keiser

Attachment

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. 3358
Metal or Mineral Uranium-Cobalt
Date Received
Estimated Cost $47,350
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: Triple M Mining Co., Inc., Box 787, Hobbs, N. Mex.—a Utah Corporation
Harry McMoms, President, 510 E. Sanger, Hobbs, New Mexico
J.W. Montgomery, Secretary, 708 E. Sanger, Hobbs, New Mexico
D.J. McLean, Vice-President, c/o Moab Hotel, Moab, Utah

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

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

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

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

3. *Applicant's property rights.*—(*a*) State the legal description of the land upon which you wish to explore, including all land which you possess or control that may be benefited by the exploration, and excluding any land or interest in land which is not to be included in the exploration project contract See Sup. No. 3

(*b*) State any mine name by which the property is known. See Sup. No. 3

(*c*) State your interest in the land, whether owner, lessee, purchaser under contract, or otherwise See Sup. No. 3

(*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. See Sup. No. 3

(*e*) If you own the land, describe any liens or encumbrances on it See Sup. No. 3

(*f*) If the land consists of unpatented claims, add to the description above, the book and page numbers for each recorded location notice. See Sup. No. 3

4. *Physical description.*—(*a*) Describe in detail any mining or exploration operations which have been or now are being conducted upon the land, including existing mine workings and production facilities. State your interest, if any, in such operations. Also describe accessibility of mine workings for examination purposes. See Sup. No. 4

(*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 [illegible]

(*b*) Describe fully the proposed work, including a map or sketch of the property showing a plan (and cross sections if needed) of any present mine workings, and the location of the proposed exploration work as related to such features as contacts, veins, ore-bearing beds, etc. See Exp. No. 5

(*c*) The work will start within 30 days and be completed within 6 months from the date of an exploration project contract.

(*d*) State the operating experience and background of the applicant with relation to the ability to carry out such exploration project, and also that of the person or persons who will supervise the operations. See Exp. No. 5

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: See Exp. 6

(*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)? See

(*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. See Exp. No. 7

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 [illegible] 20, 195[illegible]

[illegible] Mining Co., Inc.
(Applicant)
By Harry M. Adams
Harry M. Adams, President
J. R. Montgomery
J. R. Montgomery, Secretary

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

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

Supplement No. 3

a. The applicant's property consists of fourteen (14) unpatented mining claims located in Sections 6,7, and 8, Range 19 East, Township 22 South of Grand County, State of Utah.

b. These claims are known and recorded as "Horse Shoe" No. 1,2,3, and 4 and "Slide" No. 1,2,3,4,5,6,7,8,9 and 10.

c. The applicant has been assigned a 7/8 interest in the Horse Shoe claims from D.J. McLean who leased them from Collice Stafford who is the owner. The applicant owns all of "Slide" claims having been assigned them by their owners, Harry McAdams and J.W. Montgomery.

d. All assignment articles are attached.

e. There are no encumbrances against any of the property.

f. Claims recorded as follows:

Horseshoe No. 1	Book No. 9-J	Page No. 370
Horseshoe No. 2	Book No. 9-J	Page No. 370
Horseshoe No. 3	Book No. 9-L	Page No. 215
Horseshoe No. 4	~~Book No.~~ Entry No. 209241	
Slide No. 1	Book No. 24	Page No. 346
Slide No. 2	Book No.24	Page No. 347
Slide No. 3	Book No. 24	Page No. 347
Slide No. 4	Book No. 24	Page No. 348
Slide No. 5	Book No. 24	Page No. 348
Slide No. 6	Book No. 24	Page No. 349
Slide No. 7	Book No. 24	Page No. 349
Slide No. 8	Book No. 24	Page No. 350
Slide No. 9	Book No. 24	Page No. 350
Slide No. 10	Book No. 24	Page No. 351

All Claims recorded in the office of the Grand County Recorder, Moab, Utah.

Triple M Mining Co., Inc.
Box 787
Hobbs, New Mexico

DEED OF MINING CLAIM

THIS INDENTURE MADE THIS 10th DAY OF May, 1954, BETWEEN J.W. Montgomery, WHOSE ADDRESS IS Lobo, N.Mex. PARTY OF THE FIRST PART, AND TRIPLE M MINING COMPANY, INC., A CORPORATION, ORGANIZED AND ESISTING UNDER THE LAWS OF THE STATE OF UTAH, PARTY OF THE SECOND PART.

WITNESSETH:

THAT THE SAID PARTY OF THE FIRST PART FOR AND IN CONSIDERATION OF THE SUM OF ONE DOLLAR ($1.00), TO HIM IN HAND PAID BY THE PARTY OF THE SECOND PART THE RECEIPT WHEREOF IS HEREBY ACKNOWLEDGED, DOES BY THESE PRESENTS, GRANT, BARGAIN, SELL, REMISE AND FOREVER QUITCLAIM UNTO THE PARTY OF THE SECOND PART, ITS SUCCESSORS AND ASSIGNS, ALL OF HIS RIGHT, TITLE, INTEREST, IN AND TO THAT CERTAIN MINING CLAIM KNOWN AS, Land Lot 2.3.5 Claim. SITUATED IN ORGANIZED OR UNORGANIZED MINING DISTRICT IN GRAND COUNTY, UTAH, EACH CLAIM BEING 1500 FEET IN LENGTH BY 600 FEET IN WIDTH AS SHOWN BY THAT CERTAIN NOTICE OF LEASE APPLICATION DATED _____ DAY OF _____, 1954, BEARING ENTRY NUMBERS AS FOLLOWS, 3rd May 9:02, AND FILED FOR RECORD ON _____ DAY OF 25, 1954, AT _____ O'CLOCK A.M. OR P.M. AND RECORDED IN BOOK NUMBERS _____, PAGE NUMBER _____, OF THE RECORDS OF THE OFFICE OF THE COUNTY RECORDER OF GRAND COUNTY, UTAH, TO WHICH REFERENCE IS HERE MADE.

TOGETHER WITH ALL OF THE RIGHTS, PRIVILEGES AND FRANCHISE THERETO INCIDENT, APPENDENT AND APPURTENANT, OR IN ANYWISE APPERTAINING.

TO HAVE AND TO HOLD ALL SINGULAR SAID PREMISES, TOGETHER WITH THE APPURTENANCES AND PRIVILEGES THERETO INCIDENT UNTO THE PARTY OF THE SECOND PART, ITS SUCCESSORS, AND ASSIGNS FOREVER.

WITNESS MY HAND THE DAY AND YEAR FIRST ABOVE WRITTEN.

J.W. Montgomery

STATE OF New Mexico)
) SS.
COUNTY OF Lea)

ON THIS 10TH DAY OF MAY, 1954, BEFORE ME PERSONALLY APPEARED J. W. MONTGOMERY, TO ME KNOWN TO BE THE PERSON DESCRIBED IN AND WHO EXECUTED THE FOREGOING INSTRUMENT, AND ACKNOWLEDGED THAT HE EXECUTED THE SAME AS HIS FREE ACT AND DEED.

IN WITNESS WHEREOF, I HAVE HEREUNTO SET MY HAND AND AFFIXED MY OFFICIAL SEAL THE DAY AND YEAR IN THIS CERTIFICATE FIRST ABOVE WRITTEN.

NOTARY PUBLIC

MY COMMISSION EXPIRES:

MY COMMISSION EXPIRES APRIL 23, 1958

Triple M Mining Co., Inc.
Box 287
Lobo, New Mexico

DEED OF MINING CLAIM

THIS INDENTURE MADE THIS 10th DAY OF May 1954, BETWEEN H.H. McAdams, WHOSE ADDRESS IS 510 N. Ranger, Hobbs, N. Mex. PARTY OF THE FIRST PART, AND TRIPLE M MINING COMPANY, INC., A CORPORATION, ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF UTAH, PARTY OF THE SECOND PART.

WITNESSETH:

THAT THE SAID PARTY OF THE FIRST PART FOR AND IN CONSIDERATION OF THE SUM OF ONE DOLLAR ($1.00), TO HIM IN HAND PAID BY THE PARTY OF THE SECOND PART THE RECEIPT WHEREOF IS HEREBY ACKNOWLEDGED, DOES BY THESE PRESENTS, GRANT, BARGAIN, SELL, REMISE AND FOREVER QUITCLAIM UNTO THE PARTY OF THE SECOND PART, ITS SUCCESSORS AND ASSIGNS, ALL OF HIS RIGHT, TITLE, INTEREST, IN AND TO THAT CERTAIN MINING CLAIM KNOWN AS, Slide Lo. 6,7,8,9 and 10. SITUATED IN ORGANIZED OR UNORGANIZED MINING DISTRICT IN GRAND COUNTY, UTAH, EACH CLAIM BEING 1500 FEET IN LENGTH BY 600 FEET IN WIDTH AS SHOWN BY THAT CERTAIN NOTICE OF LEASE APPLICATION DATED 26th DAY OF April, 1954, BEARING ENTRY NUMBERS AS FOLLOWS, 22402, 22403, 22404, 22405 and 22406 Respectively, AND FILED FOR RECORD ON 3rd DAY OF May, 1954, AT 9:02 O'CLOCK A.M. OR P.M. AND RECORDED IN BOOK NUMBERS 24, PAGE NUMBER 249, 250 and 251, OF THE RECORDS OF THE OFFICE OF THE COUNTY RECORDER OF GRAND COUNTY, UTAH, TO WHICH REFERENCE IS HERE MADE.

TOGETHER WITH ALL OF THE RIGHTS, PRIVILEGES AND FRANCHISE THERETO INCIDENT, APPENDENT AND APPURTENANT, OR IN ANYWISE APPERTAINING.

TO HAVE AND TO HOLD ALL SINGULAR SAID PREMISES, TOGETHER WITH THE APPURTENANCES AND PRIVILEGES THERETO INCIDENT UNTO THE PARTY OF THE SECOND PART, ITS SUCCESSORS, AND ASSIGNS FOREVER.

WITNESS MY HAND THE DAY AND YEAR FIRST ABOVE WRITTEN.

H.H. McAdams

H.H. McAdams

STATE OF New Mexico)
) SS.
COUNTY OF Lea)

ON THIS 10th DAY OF May, 1954, BEFORE ME PERSONALLY APPEARED H.H. McAdams, TO ME KNOWN TO BE THE PERSON DESCRIBED IN AND WHO EXECUTED THE FOREGOING INSTRUMENT, AND ACKNOWLEDGED THAT HE EXECUTED THE SAME AS HIS FREE ACT AND DEED.

IN WITNESS WHEREOF, I HAVE HEREUNTO SET MY HAND AND AFFIXED MY OFFICIAL SEAL THE DAY AND YEAR IN THIS CERTIFICATE FIRST ABOVE WRITTEN.

Dorthea A. Montgomery

Dorthea A. Montgomery
NOTARY PUBLIC

MY COMMISSION EXPIRES: Nov. 12, 1956

Triple M Mining Co., Inc.
Box 787
Hobbs, New Mexico

CERTIFIED TRUE COPY

Know All Men By These Presents:

That The D.J. McLean and Company, whose post office address is General Delivery, Moab, Utah hereinafter sometimes called the "Assignor", party of the first part, for and in consideration of the sum of one ($1.00) dollar, and other good and valuable consideration paid by The Triple M Mining Co., Inc. whose post office address is General Delivery, Moab, Utah hereinafter sometimes called the "Assignee", party of the second part, has sold, transferred, set over and assigned, and by these presents does sell, transfer, set over and assign to the assignee, its successors and assigns, all of the Assignor's right, title, interest and claim in and to these certain mineral and other claims made by Collice Stafford whose post office address is General Delivery, Moab, Utah under date of November 16, 1953 and recorded in the County Recorder's office for the County of Grand, in and of the State of Utah, and further made to The D.J. McLean and Company, in and to the following described subdivisions of land in said lease described--to wit:

Horseshoe No. 1	Book No. 9-J	Page No. 370
Horseshoe No. 2	Book No. 9-J	Page No. 370
Horseshoe No. 3	Book No. 9-L	Page No. 215
Horseshoe No. 4	Entry No. 209241	

The aforementioned moning claims plus all other moning claims presently recorded in the name of The D.J. McLean and Company at the County Recorder's Office in and for Grand County, State of Utah are to be conveyed in this assignment.

It is agreed that the Assignee shall succeed to all the rights, benefits and privileges granted the Lessee by the terms of said lease, as to the lands above described.

In Witness Whereof, the said party of the first part has hereunto caused these presents to be signed and sealed on this the 22nd day of February, 1954.

Signed: D.J. McLean
D.J. MCLEAN, President
D.J. MCLEAN AND COMPANY

Harry McAdams
Harry McAdams, Pres.
Triple M Mining Co., Inc.

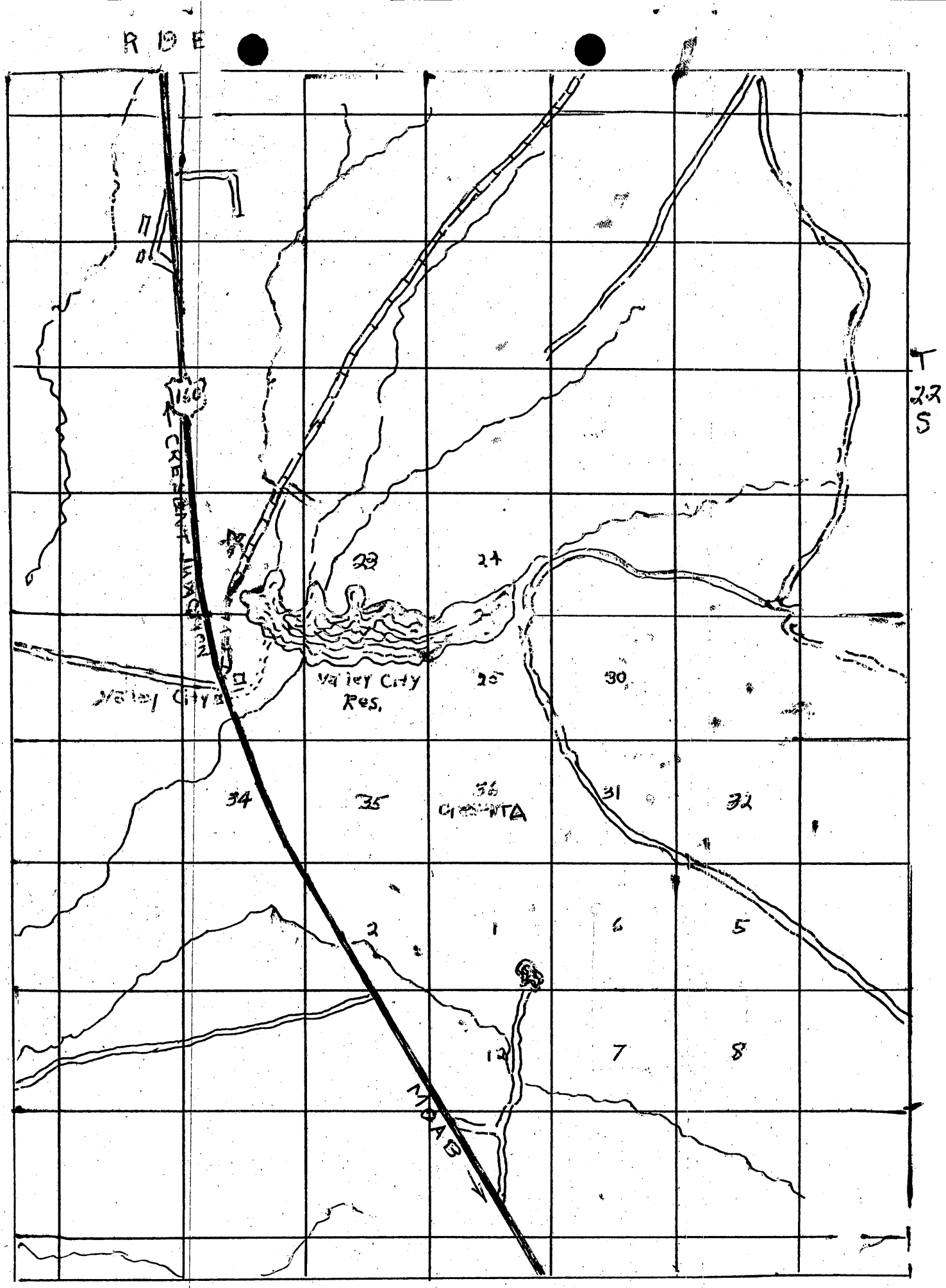
STATE OF NEW MEXICO)
COUNTY OF LEA) ss

On the 10th day of May, 1954, personally appeared before me HARRY MCADAMS, President of the Triple M Mining Co., Inc. and certified that the above instrument is a true copy of the assignment of the properties mentioned from D.J. MCLEAN and Company to the Triple M Mining Co., Inc.

Dorothy A. Montgomery
Notary Public

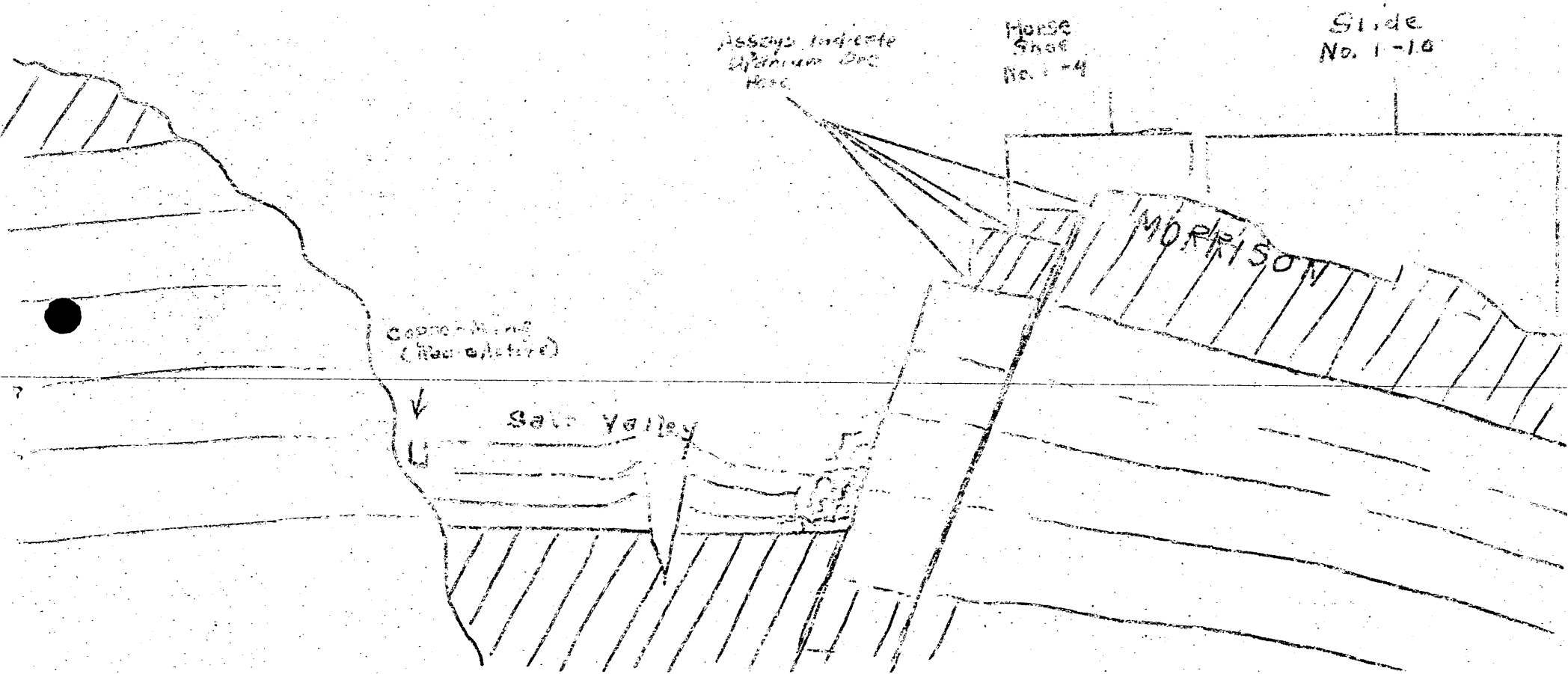
My Commission Expires:
Nov. 12, 1956

Triple M Mining Co., Inc.
Box 787, Hobbs, New Mexico



Triple M Mining Co.
Box 787
Hobbs, New Mexico

Asymetrical Anti-Cline



Supplement No. 4

a. Mining operations in the area of exploration consist of the "Horshoe" copper and silver mine which is located approximately twenty-two (22) miles north of Moab, Utah on the highway to Salt Lake City and thence approximately five (5) miles northeast to the actual mine operation. A road has been partially constructed from the highway to the mine operations and exploration area but is passable only by jeep or power wagon vehicle at the present time. Ore is being taken from the mountain top by tram line but this method has proved to be too slow and costly thus making it necessary to improve the road and haul ore down by truck.

b. From a geologist's estimate, there are approximately five hundred thousand (500,000) to one million (1,000,000) tons of copper and silver ore all of which bears good traces of uranium oxide at the surface. This uranium indication was found by the A-E-C representative for the Moab Area who, during his visit to the mine area, explored with his geiger counter and advised on the general area where core drill tests should be made. During the time that mining operations have been underway for copper, the mine superintendent has made other exploration of the area with a geiger counter and found wide-spread indications of radio-active material.

c. Mr. Johnson, the A-E-C representative for the Moab Area advises that the strata known as "Salt Wash" on the top of the mountain on which the mine workings are located and there is a fault running for approximately one mile on the top of structure. The mountain and general area carries ore deposits of silver, copper in great quantities, gold, vanadium, cobalt and the indications of uranium previously mentioned. There is reason to believe that there is considerable tonnage of uranium ore well over the ten hundredths commercial grade limit. The altitude of this structure is approximately six thousand, seven hundred (6,700) feet and most of the rock formation is sandstone with high grade silica.

d. Housing facilities for employees may be found at Thompson, Utah a distance of thirteen (13) miles away and sources of supply for the exploration project are to be found there and at Moab, Utah also. Actual mine workers at the project would be housed in a bunkhouse on the location. Kerosene or an abundance of fire wood could be used for fuel. A source of water is located approximately five (5) miles away and can be reached by road.

e. Supply houses for mining or drilling equipment are located in Moab, Utah and labor for the project presents no problem as there has been an influx of workers during the uranium boom. The railway terminal nearest the location is at Thompson, Utah from which freight may be shipped or received.

Triple M Mining Co., Inc.
Box 787
Hobbs, New Mexico

Supplement No.4 Continued

The A-E-C representative from the Grand Junction office of the A-E-C who works the area in and around Salt Valley North of Moab, Utah took samples from outcrops on the Horseshoe area. A radio analysis of these samples showed a percentage of 9.5 hundredths while a chemical analysis showed a percentage of 14 hundredths. This analysis was performed in the laboratories of the A-E-C at Grand Junction. Further information on the Horshshoe and Slide areas is available at the Grand Junction office.

Triple M Mining Co.,Inc.
Box 787
Hobbs, New Mexico

Supplement No. 5

a. The minerals for which the Triple M Mining Co., Inc. wishes to explore are uranium oxide and cobalt.

b. The company proposes to core drill through the "Salt Wash" strata over which the exploration area is located. Mr. Johnson, A-E-C representative from the Grand Junction office has already advised where the drilling should begin; namely where radioactive outcroppings are located and along a fault which runs through the property. Promising deposits of uranium ore have already been found in the area where copper mining has been underway. It is the plan of the company to establish through drilling a possible area from which commercial grade can be found. This drilling would cover an area comprising fourteen (14) mineral claims.

c. Exploration can begin within three weeks after approval of a contract from the Defense Minerals Exploration Administration. The estimated time for completion of the project would be six (6) months.

d. The mine superintendent of the Triple M Mining Co. has had wide experience in mine work and he has installed and operated the project prevously mentioned. For drilling operations, the company proposes to use professional drilling contractors. Two (2) major stockholders of the Triple M Mining Co., Inc. have at least fifteen years of experience with well drilling and machinery operation. This experience also includes licensed building contract work.

Triple M Mining Co., Inc.
Box 787
Hobbs, New Mexico

Supplement No. 6

6. Estimate of costs based on four months operation.

a. Independent contracts.

Core drill equipment to drill 7000 ft. of 2 7/8 in. hole @ $3.00 a ft.	$21,000.00
Equipment for building and improving roads to core drill entrances.	
1. TD 24 heavy bull dozers--100 hrs. @ $20.00 an hr.	2,000.00
2. Power driven heavy motor graders--100 hrs. @ $20.00 an hr.	2,000.00
3. Front end high lift power loaders--75 hrs. @ $18.00 an hr.	1,350.00
4. Heavy tandem type or equal dump trucks--150 hrs. @ $7.50 an hr.	1,125.00

b. Labor, Supervision and Consultants

Two general laborers for 100 days @ $1.50 an hr.	2,400.00
One experienced powder and shooter employee for 100 days @ $2.75 an hr.	2,750.00
One superintendent and consulting engineer for four months @ $600.00 a mo.	2,400.00
One general manager and purchasing agent for four months @ 750.00 a mo.	3,000.00

Note--Geological and engineering aid from the Atomic Energy Commission is requested.

c. Operating materials and supplies

Gasoline and miscellaneous fuels, oils and greases for 4 months supply	355.00
Food and medical supplies for 4 months supply	700.00
Miscellaneous repair costs on equipment for 4 months	500.00
Dynamite, fuses and other blasting materials for 4 months supply	500.00
Acetelyne, oxygen and welding supplies for 4 months supply	50.00

d. Operating equipment (All furnished by Applicant)

One 105 C-F-M trailer mounted Schramm air compressor for use on road building, core drill placements and blasting--100 days at $20.00 a day	2,000.00
One combination air drill with all steel and hoses--100 days at $2.00 day	200.00
One rock and concrete breaker with hoses and mounts-100 days at $2.00 day	200.00
One heavy type, four wheel drive power wagon for hauling tools, powder, men, water, fuel and tools.--100 days at $20.00 a day	2,000.00
All tools including welding equipment, hand tools heavy jacks, precision instruments, wenches, etc.-- four months at $100.00 a mo.	400.00

Note--Other items furnished by applicant are listed in 7 b.

e. Rehabilitation and repairs

Improvements to bunkhouse and store room	300.00
Improvements to water storage facilities	150.00

f. None contemplated. (New buildings)

g. Miscellaneous

Laboratory assays and other analysis of ores	375.00
Accounting work	400.00
Employee compensation and liability insurance on $60.00 a day payroll	325.00
Payroll taxes over 100 day period	120.00

h. Contingencies

Shutdown time due to unforeseen delays(10% of 100 days @ $75.00)	750.00
TOTAL	$47,350.00

Triple M Mining Co., Inc.
Box 787
Hobbs, New Mexico

Supplement No. 7

b. In addition to items listed in Supplement No. 6-d, the applicant proposes to furnish all housing facilities, beds, stoves for cooking, water and other necessary items for boarding and keeping employees for the four months operations. The applicant also furnishes a partially complete road to area and agrees to keep this road passable once it is completed. This road can be used to reach most core drill locations.

Triple M Mining Co., Inc.
Box 787
Hobbs, New Mexico

700

Docket
Surname
Ellis

Hon. Clinton P. Anderson
United States Senate
Senate Office Building
Washington 25, D. C.

Re: Docket No. DMEA-3358
(Uranium-Cobalt)
Triple M Mining Co., Inc.
Harvesting and Slide claims
Grand County, Utah

My dear Senator Anderson:

Receipt of the captioned application, dated May 10, transmitted with your letter of May 20, 1954, is acknowledged. This application has been assigned Docket Number DMEA-3358 and referred to the Rare and Miscellaneous Metals Division for processing.

Simultaneously with the referral of the application to the above Division, copies of the application were referred to the Uranium Commodity Members of the Geological Survey and the Bureau of Mines for comments. It may be necessary to refer the application to our Regional Office for an on-site examination of the property and a subsequent report, with recommendations, from our Field Team.

We will be glad to advise you of the further action taken in regard to this application.

Sincerely yours,

C. O. Mittenderf

Administrator

EWELLIS:foc
5-21-54
cc to: Admr. Reading File
Docket
Code 700
Messrs. H. D. Keiser, USBM
A. P. Butler, Jr., USGS
J. O. Hosted, GSA
E. W. Ellis
DMEA Field Team, Region IV

May 21, 1954

Triple M Mining Co., Inc.
P. O. Box 787
Hobbs, New Mexico

Subject: DMEA-3358
Re: Exploration Assistance
Horseshoe Nos. 1-4 and
Slide Nos. 1-10

Gentlemen:

The receipt of your application dated May 10, 1954 for exploration assistance under the Defense Production Act of 1950, as amended, is hereby acknowledged.

Your application has been assigned Docket Number DMEA-3358 and referred to the Rare and Miscellaneous Metals Division.

Kindly refer to DMEA-3358 in any future correspondence relating to your application.

Sincerely yours,

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

GEORGE D. AIKEN, VT., CHAIRMAN
MILTON R. YOUNG, N. DAK.
EDWARD J. THYE, MINN.
BOURKE B. HICKENLOOPER, IOWA
KARL E. MUNDT, S. DAK.
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OLIN D. JOHNSTON, S. C.
SPESSARD L. HOLLAND, FLA.
CLINTON P. ANDERSON, N. MEX.
JAMES O. EASTLAND, MISS.
EARLE C. CLEMENTS, KY.

United States Senate

COMMITTEE ON
AGRICULTURE AND FORESTRY

May 20, 1954

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

Dear Mr. Mittendorf:

I have been requested by Mr. Harry McAdams, President, Triple M Mining Co., Inc., Hobbs, New Mexico, to transmit to you the enclosed application for Government aid for mineral exploration under the unit-cost plan. This is submitted in quadruplicate. It is hoped the application is in proper form and that favorable action may be taken on it.

I will appreciate being advised when action has been taken.

Sincerely yours,

Clinton P. Anderson

CPA-VLFf

OFFICE
116 E. DUNHAM

TELEPHONES
3-3137
3-4276
3-2894

TRIPLE M MINING CO., INC.

BOX 787
HOBBS, NEW MEXICO

May 17, 1954

Defense Minerals Exploration Administration
Department of the Interior
Washington 25, D.C.

Gentlemen:

Please find enclosed the application by the Triple M Mining Co., Inc. for government aid for mineral exploration under the unit-cost plan. The application is prepared and enclosed in quadruplicate as per your instructions.

Cordially yours,

Harry McAdams

Harry McAdams, Pres.
Triple M Mining Co., Inc.

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. 3358
Metal or Mineral Uranium-Cobalt
Date Received
Estimated Cost $47,350
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: Triple M Mining Co., Inc., Box 787, Hobbs, N. Mex.—a Utah Corporation
Harry McAdams, President, 510 E. Sanger, Hobbs, New Mexico
J.W. Montgomery, Secretary, 708 E. Sanger, Hobbs, New Mexico
D.J. McLean, Vice-President, c/o Moab Hotel, Moab, Utah

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

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

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

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

3. *Applicant's property rights.*—(*a*) State the legal description of the land upon which you wish to explore, including all land which you possess or control that may be benefited by the exploration, and excluding any land or interest in land which is not to be included in the exploration project contract See Sup. No. 3

(*b*) State any mine name by which the property is known. See Sup. No. 3

(*c*) State your interest in the land, whether owner, lessee, purchaser under contract, or otherwise See Sup. No. 3

(*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. See Sup. No. 3

(*e*) If you own the land, describe any liens or encumbrances on it See Sup. No. 3

(*f*) If the land consists of unpatented claims, add to the description above, the book and page numbers for each recorded location notice. See Sup. No. 3

4. *Physical description.*—(*a*) Describe in detail any mining or exploration operations which have been or now are being conducted upon the land, including existing mine workings and production facilities. State your interest, if any, in such operations. Also describe accessibility of mine workings for examination purposes. See Sup. No. 4

(*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 _____, 195__

_____
(Applicant)

By _____

_____

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

Supplement No. 3

a. The applicant's property consists of fourteen (14) unpatented mining claims located in Sections 6,7, and 8, Range 19 East, Township 22 South of Grand County, State of Utah.

b. These claims are known and recorded as "Horse Shoe" No. 1,2,3, and 4 and "Slide" No. 1,2,3,4,5,6,7,8,9 and 10.

c. The applicant has been assigned a 7/8 interest in the Horse Shoe claims from D.J. McLean who leased them from Collice Stafford who is the owner. The applicant owns all of "Slide" claims having been assigned them by their owners, Harry McAdams and J.W. Montgomery.

d. All assignment articles are attached.

e. There are no encumbrances against any of the property.

f. Claims recorded as follows:

Horseshoe No. 1	Book No. 9-J	Page No. 370
Horseshoe No. 2	Book No. 9-J	Page No. 370
Horeshoe No. 3	Book No. 9-L	Page No. 215
Horseshoe No. 4	~~Book No.~~ Entry No. 209241	
Slide No. 1	Book No. 24	Page No. 346
Slide No. 2	Book No.24	Page No. 347
Slide No. 3	Book No. 24	Page No. 347
Slide No. 4	Book No. 24	Page No. 348
Slide No. 5	Book No. 24	Page No. 348
Slide No. 6	Book No. 24	Page No. 349
Slide No. 7	Book No. 24	Page No. 349
Slide No. 8	Book No. 24	Page No. 350
Slide No. 9	Book No. 24	Page No. 350
Slide No. 10	Book No. 24	Page No. 351

All Claims recorded in the office of the Grand County Recorder, Moab, Utah.

Triple M Mining Co., Inc.
Box 787
Hobbs, New Mexico

DEED OF MINING CLAIM

THIS INDENTURE MADE THIS 10th DAY OF May 1954, BETWEEN J.W. Montgomery, WHOSE ADDRESS IS 209 E. Sanger, Hobbs, N.Mex. PARTY OF THE FIRST PART, AND TRIPLE M MINING COMPANY, INC., A CORPORATION, ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF UTAH, PARTY OF THE SECOND PART.

WITNESSETH:

THAT THE SAID PARTY OF THE FIRST PART FOR AND IN CONSIDERATION OF THE SUM OF ONE DOLLAR ($1.00), TO HIM IN HAND PAID BY THE PARTY OF THE SECOND PART THE RECEIPT WHEREOF IS HEREBY ACKNOWLEDGED, DOES BY THESE PRESENTS, GRANT, BARGAIN, SELL, REMISE AND FOREVER QUITCLAIM UNTO THE PARTY OF THE SECOND PART, ITS SUCCESSORS AND ASSIGNS, ALL OF HIS RIGHT, TITLE, INTEREST, IN AND TO THAT CERTAIN MINING CLAIM KNOWN AS, Slide No. 1,2,3,4 and 5. SITUATED IN ORGANIZED OR UNORGANIZED MINING DISTRICT IN GRAND COUNTY, UTAH, EACH CLAIM BEING 1500 FEET IN LENGTH BY 600 FEET IN WIDTH AS SHOWN BY THAT CERTAIN NOTICE OF LEASE APPLICATION DATED 14th DAY OF April, 1954, BEARING ENTRY NUMBERS AS FOLLOWS, 224397, 224398, 224399, 224400, and 224401 respectively, AND FILED FOR RECORD ON 3rd DAY OF May, 1954, AT 9:00 O'CLOCK A.M. OR P.M. AND RECORDED IN BOOK NUMBERS 94, PAGE NUMBER 346, 347, and 348, OF THE RECORDS OF THE OFFICE OF THE COUNTY RECORDER OF GRAND COUNTY, UTAH, TO WHICH REFERENCE IS HERE MADE.

TOGETHER WITH ALL OF THE RIGHTS, PRIVILEGES AND FRANCHISE THERETO INCIDENT, APPENDENT AND APPURTENANT, OR IN ANYWISE APPERTAINING.

TO HAVE AND TO HOLD ALL SINGULAR SAID PREMISES, TOGETHER WITH THE APPURTENANCES AND PRIVILEGES THERETO INCIDENT UNTO THE PARTY OF THE SECOND PART, ITS SUCCESSORS, AND ASSIGNS FOREVER.

WITNESS MY HAND THE DAY AND YEAR FIRST ABOVE WRITTEN.

J.W. Montgomery

STATE OF New Mexico)
) SS.
COUNTY OF Lea)

ON THIS 10TH DAY OF MAY, 1954, BEFORE ME PERSONALLY APPEARED J. W. MONTGOMERY, TO ME KNOWN TO BE THE PERSON DESCRIBED IN AND WHO EXECUTED THE FOREGOING INSTRUMENT, AND ACKNOWLEDGED THAT HE EXECUTED THE SAME AS HIS FREE ACT AND DEED.

IN WITNESS WHEREOF, I HAVE HEREUNTO SET MY HAND AND AFFIXED MY OFFICIAL SEAL THE DAY AND YEAR IN THIS CERTIFICATE FIRST ABOVE WRITTEN.

NOTARY PUBLIC

MY COMMISSION EXPIRES:

MY COMMISSION EXPIRES APRIL 23, 1958

Triple M Mining Co., Inc.
Box 787
Hobbs, New Mexico

DEED OF MINING CLAIM

THIS INDENTURE MADE THIS 10th DAY OF May 1954, BETWEEN H.M. McAdams, WHOSE ADDRESS IS 510 E. Sanger, Hobbs, N. Mex. PARTY OF THE FIRST PART, AND TRIPLE M MINING COMPANY, INC., A CORPORATION, ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF UTAH, PARTY OF THE SECOND PART.

WITNESSETH:

THAT THE SAID PARTY OF THE FIRST PART FOR AND IN CONSIDERATION OF THE SUM OF ONE DOLLAR ($1.00), TO HIM IN HAND PAID BY THE PARTY OF THE SECOND PART THE RECEIPT WHEREOF IS HEREBY ACKNOWLEDGED, DOES BY THESE PRESENTS, GRANT, BARGAIN, SELL, REMISE AND FOREVER QUITCLAIM UNTO THE PARTY OF THE SECOND PART, ITS SUCCESSORS AND ASSIGNS, ALL OF HIS RIGHT, TITLE, INTEREST, IN AND TO THAT CERTAIN MINING CLAIM KNOWN AS, Glide Nos. 6,7,8,9 and 10. SITUATED IN ORGANIZED OR UNORGANIZED MINING DISTRICT IN GRAND COUNTY, UTAH, EACH CLAIM BEING 1500 FEET IN LENGTH BY 600 FEET IN WIDTH AS SHOWN BY THAT CERTAIN NOTICE OF LEASE APPLICATION DATED 14th DAY OF April, 1954, BEARING ENTRY NUMBERS AS FOLLOWS, 224402, ~~224403, 224404, 224405~~ and 224406 Respectively, AND FILED FOR RECORD ON 3rd DAY OF May, 1954, AT ~~11:00~~ O'CLOCK A.M. OR P.M. AND RECORDED IN BOOK NUMBERS 24, PAGE NUMBER 349, 350 and 351, OF THE RECORDS OF THE OFFICE OF THE COUNTY RECORDER OF GRAND COUNTY, UTAH, TO WHICH REFERENCE IS HERE MADE.

TOGETHER WITH ALL OF THE RIGHTS, PRIVILEGES AND FRANCHISE THERETO INCIDENT, APPENDENT AND APPURTENANT, OR IN ANYWISE APPERTAINING.

TO HAVE AND TO HOLD ALL SINGULAR SAID PREMISES, TOGETHER WITH THE APPURTENANCES AND PRIVILEGES THERETO INCIDENT UNTO THE PARTY OF THE SECOND PART, ITS SUCCESSORS, AND ASSIGNS FOREVER.

WITNESS MY HAND THE DAY AND YEAR FIRST ABOVE WRITTEN.

H.M. McAdams

H.M. McAdams

STATE OF New Mexico)
) SS.
COUNTY OF Lea)

ON THIS 10th DAY OF May, 1954, BEFORE ME PERSONALLY APPEARED H.M. McAdams, TO ME KNOWN TO BE THE PERSON DESCRIBED IN AND WHO EXECUTED THE FOREGOING INSTRUMENT, AND ACKNOWLEDGED THAT HE EXECUTED THE SAME AS HIS FREE ACT AND DEED.

IN WITNESS WHEREOF, I HAVE HEREUNTO SET MY HAND AND AFFIXED MY OFFICIAL SEAL THE DAY AND YEAR IN THIS CERTIFICATE FIRST ABOVE WRITTEN.

Dortha A. Montgomery

Dortha A. Montgomery

NOTARY PUBLIC

MY COMMISSION EXPIRES: Nov. 12, 1956

Triple M Mining Co., Inc.
Box 787
Hobbs, New Mexico

CERTIFIED TRUE COPY

Know All Men By These Presents:

That The D.J. McLean and Company, whose post office address is General Delivery, Moab, Utah hereinafter sometimes called the "Assignor", party of the first part, for and in consideration of the sum of one ($1.00) dollar, and other good and valuable consideration paid by The Triple M Mining Co., Inc. whose post office address is General Delivery, Moab, Utah hereinafter sometimes called the "Assignee", party of the second part, has sold, transferred, set over and assigned, and by these presents does sell, transfer, set over and assign to the assignee, its successors and assigns, all of the Assignor's right, title, interest and claim in and to these certain mineral and other claims made by Collice Stafford whose post office address is General Delivery, Moab, Utah under date of November 16, 1953 and recorded in the County Recorder's office for the County of Grand, in and of the State of Utah, and further made to The D.J. McLean and Company, in and to the following described subdivisions of land in said lease described--to wit:

Horseshoe No. 1	Book No. 9-J	Page No. 370
Horseshoe No. 2	Book No. 9-J	Page No. 370
Horseshoe No. 3	Book No. 9-L	Page No. 215
Horseshoe No. 4	Entry No. 209241	

The aforementioned moning claims plus all other moning claims presently recorded in the name of The D.J. McLean and Company at the County Recorder's Office in and for Grand County, State of Utah are to be conveyed in this assignment.

It is agreed that the Assignee shall succeed to all the rights, benefits and privileges granted the Lessee by the terms of said lease, as to the lands above described.

In Witness Whereof, the said party of the first part has hereunto caused these presents to be signed and sealed on this the 22nd day of February, 1954.

Signed: D.J. McLean
D.J. MCLEAN, President
D.J. MCLEAN AND COMPANY

Harry McAdams
Harry McAdams, Pres.
Triple M Mining Co., Inc.

STATE OF NEW MEXICO)
COUNTY OF LEA) ss

On the 10th day of May, 1954, personally appeared before me HARRY MCADAMS, President of the Triple M Mining Co., Inc. and certified that the above instrument is a true copy of the assignment of the properties mentioned from D.J. MCLEAN and Company to the Triple M Mining Co., Inc.

Doika Montgomery
Notary Public

My Commission Expires: Nov. 12, 1956

Triple M Mining Co., Inc.
Box 787, Hobbs, New Mexico

Supplement No. 4

a. Mining operations in the area of exploration consist of the "Horshoe" copper and silver mine which is located approximately twenty-two (22) miles north of Moab, Utah on the highway to Salt Lake City and thence approximately five (5) miles northeast to the actual mine operation. A road has been partially constructed from the highway to the mine operations and exploration area but is passable only by jeep or power wagon vehicle at the present time. Ore is being taken from the mountain top by tram line but this method has proved to be too slow and costly thus making it necessary to improve the road and haul ore down by truck.

b. From a geologist's estimate, there are approximately five hundred thousand (500,000) to one million (1,000,000) tons of copper and silver ore all of which bears good traces of uranium oxide at the surface. This uranium indication was found by the A-E-C representative for the Moab Area who, during his visit to the mine area, explored with his geiger counter and advised on the general area where core drill tests should be made. During the time that mining operations have been underway for copper, the mine superintendent has made other exploration of the area with a geiger counter and found wide-spread indications of radio-active material.

c. Mr. Johnson, the A-E-C representative for the Moab Area advises that the strata known as "Salt Wash" on the top of the mountain on which the mine workings are located and there is a fault running for approximately one mile on the top of structure. The mountain and general area carries ore deposits of silver, copper in great quantities, gold, vanadium, cobalt and the indications of uranium previously mentioned. There is reason to believe that there is considerable tonnage of uranium ore well over the ten hundredths commercial grade limit. The altitude of this structure is approximately six thousand, seven hundred (6,700) feet and most of the rock formation is sandstone with high grade silica.

d. Housing facilities for employees may be found at Thompson, Utah a distance of thirteen (13) miles away and sources of supply for the exploration project are to be found there and at Moab, Utah also. Actual mine workers at the project would be housed in a bunkhouse on the location. Kerosene or an abundance of fire wood could be used for fuel. A source of water is located approximately five (5) miles away and can be reached by road.

e. Supply houses for mining or drilling equipment are located in Moab, Utah and labor for the project presents no problem as there has been an influx of workers during the uranium boom. The railway terminal nearest the location is at Thompson, Utah from which freight may be shipped or received.

Triple M Mining Co., Inc.
Box 787
Hobbs, New Mexico

Supplement No.4 Continued

The A-E-C representative from the Grand Junction office of the A-E-C who works the area in and around Salt Valley North of Moab, Utah took samples from outcrops on the Horseshoe area. A radio analysis of these samples showed a percentage of 9.5 hundredths while a chemical analysis showed a percentage of 14 hundredths. This analysis was performed in the laboratories of the A-E-C at Grand Junction. Further information on the Horshshoe and Slide areas is available at the Grand Junction office.

Smith's Laboratory

CHEMIST AND ASSAYER

MOAB, UTAH

Montgomery & McLain
(Triple M Mining Co Inc.)

Mar. 9, 1954

Sample Description	% U_3O_8	% V_2O_5	% Cu	%	%	%
Car load			3.54			
Cu & U_3O_8 ore	0.118		7.88			

TOTAL CHARGES $

Carl Smith
CHEMIST

Triple M Mining Co.,Inc.
Box 787
Hobbs, New Mexico

Supplement No. 5

a. The minerals for which the Triple M Mining Co., Inc. whshes to explore are uranium oxide and cobalt.

b. The company proposes to core drill through the "Salt Wash" strata over which the exploration area is located. Mr. Johnson, A-E-C representative from the Grand Junction office has already advised where the drilling should begin; namely where radioactive outcroppings are located and along a fault which runs through the property. Promising deposits of uranium ore have already been found in the area where copper mining has been underway. It is the plan of the company to establish through drilling a possible area from which commercial grade can be found. This drilling would cover an area comprising fourteen (14) mineral claims.

c. Exploration can begin within three weeks after approval of a contract from the Defense Minerals Exploration Administration. The estimated time for completion of the project would be six (6) months.

d. The mine superintendent of the Triple M Mining Co. has had wide experience in mine work and he has installed and operated the project prevously mentioned. For drilling operations, the company proposes to use professional drilling contractors. Two (2) major stockholders of the Triple M Mining Co., Inc. have at least fifteen years of experience with well drilling and machinery operation. This experience also includes licensed building contract work.

Triple M Mining Co., Inc.
Box 787
Hobbs, New Mexico

Supplement No. 6

6. Estimate of costs based on four months operation.

a. Independent contracts.

Core drill equipment to drill 7000 ft. of 2 7/8 in. hole @ $3.00 a ft.	$21,000.00
Equipment for building and improving roads to core drill entrances.	
1. TD 24 heavy bull dozers--100 hrs. @ $20.00 an hr. ?	2,000.00
2. Power driven heavy motor graders--100 hrs. @ $20.00 an hr. ?	2,000.00
3. Front end high lift power loaders--75 hrs. @ $18.00 an hr.	1,350.00
4. Heavy tandem type or equal dump trucks--150 hrs. @ $7.50 an hr.	1,125.00

b. Labor, Supervision and Consultants

Two general laborers for 100 days @ $1.50 an hr.	2,400.00
One experienced powder and shooter employee for 100 days @ $2.75 an hr.	2,750.00
One superintendent and consulting engineer for four months @ $600.00 a mo.	2,400.00
One general manager and purchasing agent for four months @ 750.00 a mo. ?	3,000.00

Note--Geological and engineering aid from the Atomic Energy Commission is requested.

c. Operating materials and supplies

Gasoline and miscellaneous fuels, oils and greases for 4 months supply	355.00
Food and medical supplies for 4 months supply	700.00
Miscellaneous repair costs on equipment for 4 months	500.00
Dynamite, fuses and other blasting materials for 4 months supply	500.00
Acetelyne, oxygen and welding supplies for 4 months supply	50.00

d. Operating equipment (All furnished by Applicant)

One 105 C-F-M trailer mounted Schramm air compressor for use on road building, core drill placements and blasting--100 days at $20.00 a day	2,000.00
One combination air drill with all steel and hoses--100 days at $2.00 day	200.00
One rock and concrete breaker with hoses and mounts-100 days at $2.00 day	200.00
One heavy type, four wheel drive power wagon for hauling tools, powder, men, water, fuel and tools.--100 days at $20.00 a day	2,000.00
All tools including welding equipment, hand tools heavy jacks, precision instruments, wenches, etc.-- four months at $100.00 a mo.	400.00

Note--Other items furnished by applicant are listed in 7 b.

e. Rehabilitation and repairs

Improvements to bunkhouse and store room	300.00
Improvements to water storage facilities	150.00

f. None contemplated. (New buildings)

g. Miscellaneous

Laboratory assays and other analysis of ores	375.00
Accounting work	400.00
Employee compensation and liability insurance on $60.00 a day payroll	325.00
Payroll taxes over 100 day period	120.00

h. Contingencies

Shutdown time due to unforeseen delays(10% of 100 days @ $75.00)	750.00
TOTAL	$47,350.00

Triple M Mining Co., Inc.
Box 787
Hobbs, New Mexico

Supplement No. 7

b. In addition to items listed in Supplement No. 6-d, the applicant proposes to furnish all housing facilities, beds, stoves for cooking, water and other necessary items for boarding and keeping employees for the four months operations. The applicant also furnishes a partially complete road to area and agrees to keep this road passable once it is completed. This road can be used to reach most core drill locations.

Triple M Mining Co., Inc.
Box 787
Hobbs, New Mexico

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. 3358
Metal or Mineral Uranium-Cobalt
Date Received
Estimated Cost $47,350
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: Triple Mining Co., Inc., Box 787, Hobbs, N. Mex.--a Utah Corporation
Perry McRoma, President, 510 N. Sanger, Hobbs, New Mexico
J.W. Montgomery, Secretary, 703 N. Sanger, Hobbs, New Mexico
D.J. McLean, Vice-President, c/o Lodge Hotel, Lodge, Utah

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

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

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

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

3. *Applicant's property rights.*—(*a*) State the legal description of the land upon which you wish to explore, including all land which you possess or control that may be benefited by the exploration, and excluding any land or interest in land which is not to be included in the exploration project contract See Sup. No. 3

(*b*) State any mine name by which the property is known. See Sup. No. 3

(*c*) State your interest in the land, whether owner, lessee, purchaser under contract, or otherwise See Sup. No. 3

(*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. See Sup. No. 3

(*e*) If you own the land, describe any liens or encumbrances on it See Sup. No. 3

(*f*) If the land consists of unpatented claims, add to the description above, the book and page numbers for each recorded location notice. See Sup. No. 3

4. *Physical description.*—(*a*) Describe in detail any mining or exploration operations which have been or now are being conducted upon the land, including existing mine workings and production facilities. State your interest, if any, in such operations. Also describe accessibility of mine workings for examination purposes. See Sup. No. 4

(*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*) [redacted]te the mineral or minerals for which you wi[redacted]o explore Uranium Oxide and cobalt

(*b*) Describe fully the proposed work, including a map or sketch of the property showing a plan (and cross sections if needed) of any present mine workings, and the location of the proposed exploration work as related to such features as contacts, veins, ore-bearing beds, etc. See Sup. No. 5

(*c*) The work will start within 30 days and be completed within 4 months from the date of an exploration project contract.

(*d*) State the operating experience and background of the applicant with relation to the ability to carry out such exploration project, and also that of the person or persons who will supervise the operations. See Sup. No. 5

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: See Sup. 6

(*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)? Yes.

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

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

Explain in detail on acompanying paper. See Sup. No. 7

CERTIFICATION

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

Dated May 10, 1954

Triple H Mining Co., Inc.
(Applicant)

By Harry M. Adams
Harry M. Adams, President

J. L. Montgomery
J. L. Montgomery, Secretary

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

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

Supplement No. 3

a. The applicant's property consists of fourteen (14) unpatented mining claims located in Sections 6,7, and 8, Range 19 East, Township 22 South of Grand County, State of Utah.

b. These claims are known and recorded as "Horse Shoe" No. 1,2,3, and 4 and "Slide" No. 1,2,3,4,5,6,7,8,9 and 10.

c. The applicant has been assigned a 7/8 interest in the Horse Shoe claims from D.J. McLean who leased them from Cellice Stafford who is the owner. The applicant owns all of "Slide" claims having been assigned them by their owners, Harry McAdams and J.W. Montgomery.

d. All assignment articles are attached.

e. There are no encumbrances against any of the property.

f. Claims recorded as follows:

Horseshoe No. 1	Book No. 9-J	Page No. 370
Horseshoe No. 2	Book No. 9-J	Page No. 370
Horeshoe No. 3	Book No. 9-L	Page No. 215
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Slide No. 10	Book No. 24	Page No. 351

All Claims recorded in the office of the Grand County Recorder, Moab, Utah.

Triple M Mining Co., Inc.
Box 787
Hobbs, New Mexico

DEED OF MINING CLAIM

THIS INDENTURE MADE THIS 10th DAY OF May 1954, BETWEEN J. W. Montgomery, WHOSE ADDRESS IS [illegible], PARTY OF THE FIRST PART, AND TRIPLE M MINING COMPANY, INC., A CORPORATION, ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF UTAH, PARTY OF THE SECOND PART.

WITNESSETH:

THAT THE SAID PARTY OF THE FIRST PART FOR AND IN CONSIDERATION OF THE SUM OF ONE DOLLAR ($1.00), TO HIM IN HAND PAID BY THE PARTY OF THE SECOND PART THE RECEIPT WHEREOF IS HEREBY ACKNOWLEDGED, DOES BY THESE PRESENTS, GRANT, BARGAIN, SELL, REMISE AND FOREVER QUITCLAIM UNTO THE PARTY OF THE SECOND PART, ITS SUCCESSORS AND ASSIGNS, ALL OF HIS RIGHT, TITLE, INTEREST, IN AND TO THAT CERTAIN MINING CLAIM KNOWN AS, [illegible]. SITUATED IN ORGANIZED OR UNORGANIZED MINING DISTRICT IN GRAND COUNTY, UTAH, EACH CLAIM BEING 1500 FEET IN LENGTH BY 600 FEET IN WIDTH AS SHOWN BY THAT CERTAIN NOTICE OF LEASE APPLICATION DATED [illegible] DAY OF [illegible], 1954, BEARING ENTRY NUMBERS AS FOLLOWS, [illegible], AND FILED FOR RECORD ON [illegible] DAY OF [illegible], 1954, AT [illegible] O'CLOCK A.M. OR P.M. AND RECORDED IN BOOK NUMBERS [illegible], PAGE NUMBER [illegible], OF THE RECORDS OF THE OFFICE OF THE COUNTY RECORDER OF GRAND COUNTY, UTAH, TO WHICH REFERENCE IS HERE MADE.

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WITNESS MY HAND THE DAY AND YEAR FIRST ABOVE WRITTEN.

J. W. Montgomery

STATE OF [illegible])
) SS.
COUNTY OF [illegible])

ON THIS 10TH DAY OF MAY, 1954, BEFORE ME PERSONALLY APPEARED J. W. MONTGOMERY, TO ME KNOWN TO BE THE PERSON DESCRIBED IN AND WHO EXECUTED THE FOREGOING INSTRUMENT, AND ACKNOWLEDGED THAT HE EXECUTED THE SAME AS HIS FREE ACT AND DEED.

IN WITNESS WHEREOF, I HAVE HEREUNTO SET MY HAND AND AFFIXED MY OFFICIAL SEAL THE DAY AND YEAR IN THIS CERTIFICATE FIRST ABOVE WRITTEN.

G. M. Finegan
NOTARY PUBLIC

MY COMMISSION EXPIRES:
MY COMMISSION EXPIRES APRIL 23, 1958

[illegible] Mining Co., Inc.
[illegible]
[illegible]

DEED OF MINING CLAIM

THIS INDENTURE MADE THIS 10th DAY OF May 1954, BETWEEN [illegible], WHOSE ADDRESS IS [illegible], PARTY OF THE FIRST PART, AND TRIPLE M MINING COMPANY, INC., A CORPORATION, ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF UTAH, PARTY OF THE SECOND PART.

WITNESSETH:

THAT THE SAID PARTY OF THE FIRST PART FOR AND IN CONSIDERATION OF THE SUM OF ONE DOLLAR ($1.00), TO HIM IN HAND PAID BY THE PARTY OF THE SECOND PART THE RECEIPT WHEREOF IS HEREBY ACKNOWLEDGED, DOES BY THESE PRESENTS, GRANT, BARGAIN, SELL, REMISE AND FOREVER QUITCLAIM UNTO THE PARTY OF THE SECOND PART, ITS SUCCESSORS AND ASSIGNS, ALL OF HIS RIGHT, TITLE, INTEREST, IN AND TO THAT CERTAIN MINING CLAIM KNOWN AS, [illegible]. SITUATED IN ORGANIZED OR UNORGANIZED MINING DISTRICT IN GRAND COUNTY, UTAH, EACH CLAIM BEING 1500 FEET IN LENGTH BY 600 FEET IN WIDTH AS SHOWN BY THAT CERTAIN NOTICE OF LEASE APPLICATION DATED 10th DAY OF [illegible], 1954, BEARING ENTRY NUMBERS AS FOLLOWS, [illegible], AND FILED FOR RECORD ON [illegible] DAY OF May, 1954, AT 9:00 O'CLOCK A.M. OR P.M. AND RECORDED IN BOOK NUMBERS [illegible], PAGE NUMBER [illegible], OF THE RECORDS OF THE OFFICE OF THE COUNTY RECORDER OF GRAND COUNTY, UTAH, TO WHICH REFERENCE IS HERE MADE.

TOGETHER WITH ALL OF THE RIGHTS, PRIVILEGES AND FRANCHISE THERETO INCIDENT, APPENDENT AND APPURTENANT, OR IN ANYWISE APPERTAINING.

TO HAVE AND TO HOLD ALL SINGULAR SAID PREMISES, TOGETHER WITH THE APPURTENANCES AND PRIVILEGES THERETO INCIDENT UNTO THE PARTY OF THE SECOND PART, ITS SUCCESSORS, AND ASSIGNS FOREVER.

WITNESS MY HAND THE DAY AND YEAR FIRST ABOVE WRITTEN.

H. M. Adams

[illegible]

STATE OF [illegible])
) SS.
COUNTY OF [illegible])

ON THIS 10th DAY OF May, 1954, BEFORE ME PERSONALLY APPEARED [illegible], TO ME KNOWN TO BE THE PERSON DESCRIBED IN AND WHO EXECUTED THE FOREGOING INSTRUMENT, AND ACKNOWLEDGED THAT HE EXECUTED THE SAME AS HIS FREE ACT AND DEED.

IN WITNESS WHEREOF, I HAVE HEREUNTO SET MY HAND AND AFFIXED MY OFFICIAL SEAL THE DAY AND YEAR IN THIS CERTIFICATE FIRST ABOVE WRITTEN.

Dorthea A. Montgomery

[illegible]

NOTARY PUBLIC

MY COMMISSION EXPIRES: Nov. 18, 1956

[illegible]

CERTIFIED TRUE COPY

Know All Men By These Presents:

That The D.J. McLean and Company, whose post office address is General Delivery, Moab, Utah hereinafter sometimes called the "Assignor", party of the first part, for and in consideration of the sum of one ($1.00) dollar, and other good and valuable consideration paid by The Triple M Mining Co., Inc. whose post office address is General Delivery, Moab, Utah hereinafter sometimes called the "Assignee", party of the second part, has sold, transferred, set over and assigned, and by these presents does sell, transfer, set over and assign to the assignee, its successors and assigns, all of the Assignor's right, title, interest and claim in and to these certain mineral and other claims made by Collice Stafford whose post office address is General Delivery, Moab, Utah under date of November 16, 1953 and recorded in the County Recorder's office for the County of Grand, in and of the State of Utah, and further made to The D.J. McLean and Company, in and to the following described subdivisions of land in said lease described--to wit:

Horseshoe No. 1	Book No. 9-J	Page No. 370
Horseshoe No. 2	Book No. 9-J	Page No. 370
Horseshoe No. 3	Book No. 9-L	Page No. 215
Horseshoe No. 4	Entry No. 209241	

The aforementioned moning claims plus all other moning claims presently recorded in the name of The D.J. McLean and Company at the County Recorder's Office in and for Grand County, State of Utah are to be conveyed in this assignment.

It is agreed that the Assignee shall succeed to all the rights, benefits and privileges granted the Lessee by the terms of said lease, as to the lands above described.

In Witness Whereof, the said party of the first part has hereunto caused these presents to be signed and sealed on this the 22nd day of February, 1954.

Signed: D.J. McLean
D.J. MCLEAN, President
D.J. MCLEAN AND COMPANY

Harry M Adams
Harry McAdams, Pres.
Triple M Mining Co., Inc.

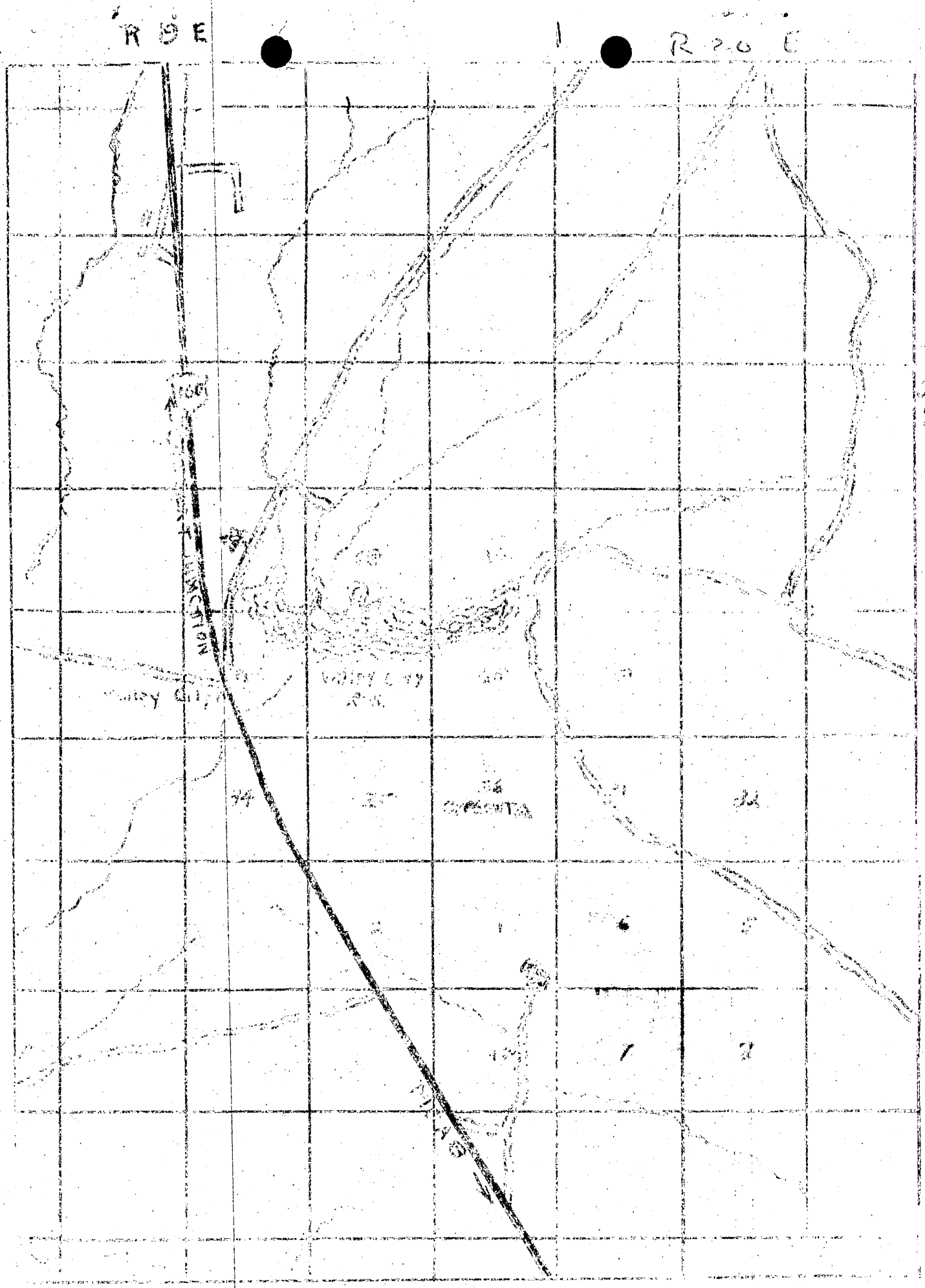
STATE OF NEW MEXICO)
COUNTY OF LEA) ss

On the 10th day of May, 1954, personally appeared before me HARRY MCADAMS, President of the Triple M Mining Co., Inc. and certified that the above instrument is a true copy of the assignment of the properties mentioned from D.J. MCLEAN and Company to the Triple M Mining Co., Inc.

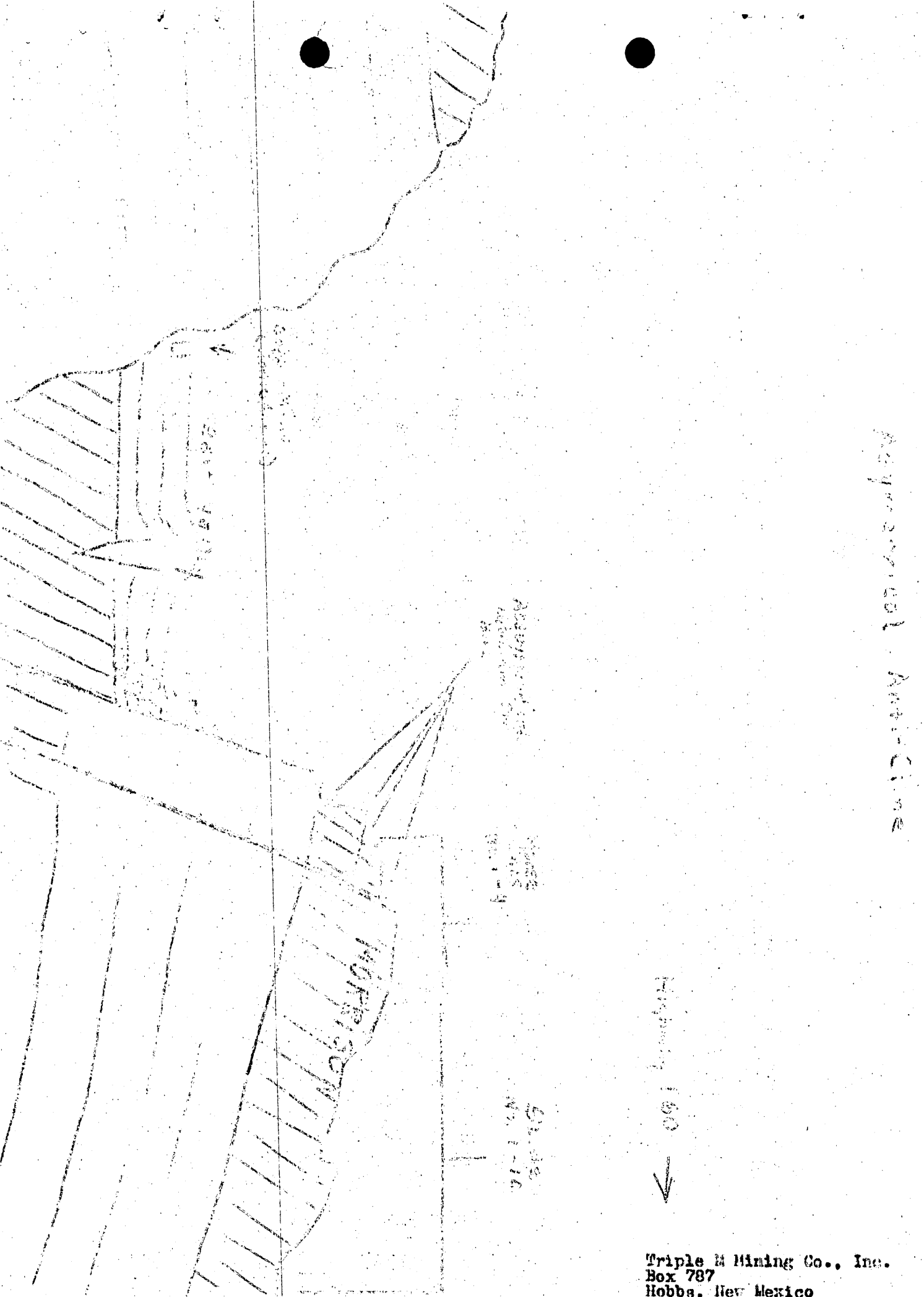
Dorothy T Montgomery
Notary Public

My Commission Expires:
Nov. 12, 1956

Triple M Mining Co., Inc.
Box 787, Hobbs, New Mexico



Triple M Mining Co.
Box 787
Hobbs, New Mexico



Triple M Mining Co., Inc.
Box 787
Hobbs, New Mexico

Supplement No. 4

a. Mining operations in the area of exploration consist of the "Horshoe" copper and silver mine which is located approximately twenty-two (22) miles north of Moab, Utah on the highway to Salt Lake City and thence approximately five (5) miles northeast to the actual mine operation. A road has been partially constructed from the highway to the mine operations and exploration area but is passable only by jeep or power wagon vehicle at the present time. Ore is being taken from the mountain top by tram line but this method has proved to be too slow and costly thus making it necessary to improve the road and haul ore down by truck.

b. From a geologist's estimate, there are approximately five hundred thousand (500,000) to one million (1,000,000) tons of copper and silver ore all of which bears good traces of uranium oxide at the surface. This uranium indication was found by the A-E-C representative for the Moab Area who, during his visit to the mine area, explored with his geiger counter and advised on the general area where core drill tests should be made. During the time that mining operations have been underway for copper, the mine superintendent has made other exploration of the area with a geiger counter and found wide-spread indications of radio-active material.

c. Mr. Johnson, the A-E-C representative for the Moab Area advises that the strata known as "Salt Wash" on the top of the mountain on which the mine workings are located and there is a fault running for approximately one mile on the top of structure. The mountain and general area carries ore deposits of silver, copper in great quantities, gold, vanadium, cobalt and the indications of uranium previously mentioned. There is reason to believe that there is considerable tonnage of uranium ore well over the ten hundredths commercial grade limit. The altitude of this structure is approximately six thousand, seven hundred (6,700) feet and most of the rock formation is sandstone with high grade silica.

d. Housing facilities for employees may be found at Thompson, Utah a distance of thirteen (13) miles away and sources of supply for the exploration project are to be found there and at Moab, Utah also. Actual mine workers at the project would be housed in a bunkhouse on the location. Kerosene or an abundance of fire wood could be used for fuel. A source of water is located approximately five (5) miles away and can be reached by road.

e. Supply houses for mining or drilling equipment are located in Moab, Utah and labor for the project presents no problem as there has been an influx of workers during the uranium boom. The railway terminal nearest the location is at Thompson, Utah from which freight may be shipped or received.

Triple M Mining Co., Inc.
Box 787
Hobbs, New Mexico

Supplement No.4 Continued

The A-E-C representative from the Grand Junction office of the A-E-C who works the area in and around Salt Valley North of Moab, Utah took samples from outcrops on the Horseshoe area. A radio analysis of these samples showed a percentage of 9.5 hundredths while a chemical analysis showed a percentage of 14 hundredths. This analysis was performed in the laboratories of the A-E-C at Grand Junction. Further information on the Horshshoe and Slide areas is available at the Grand Junction office.

Triple M Mining Co.,Inc.
Box 787
Hobbs, New Mexico

Supplement No. 5

a. The minerals for which the Triple H Mining Co., Inc. wishes to explore are uranium oxide and cobalt.

b. The company proposes to core drill through the "Salt Wash" strata over which the exploration area is located. Mr. Johnson, AEC representative from the Grand Junction office has already advised where the drilling should begin; namely where radioactive outcroppings are located and along a fault which runs through the property. Promising deposits of uranium ore have already been found in the area where copper mining has been underway. It is the plan of the company to establish through drilling a possible area from which commercial grade can be found. This drilling would cover an area comprising fourteen (14) mineral claims.

c. Exploration can begin within three weeks after approval of a contract from the Defense Minerals Exploration Administration. The estimated time for completion of the project would be six (6) months.

d. The mine superintendent of the Triple H Mining Co. has had wide experience in mine work and he has installed and operated the project prevously mentioned. For drilling operations, the company proposes to use professional drilling contractors. Two (2) major stockholders of the Triple H Mining Co., Inc. have at least fifteen years of experience with well drilling and machinery operation. This experience also includes licensed building contract work.

Triple H Mining Co., Inc.
Box 787
Hobbs, New Mexico

Supplement No. 6

6. Estimate of costs based on four months operation.

a. Independent contracts.	
Core drill equipment to drill 7000 ft. of 2 7/8 in. hole @ $3.00 a ft.	$21,000.00
Equipment for building and improving roads to core drill entrances.	
1. TD 24 heavy bull dozers--100 hrs. @ $20.00 an hr.	2,000.00
2. Power driven heavy motor graders--100 hrs. @ $20.00 an hr.	2,000.00
3. Front end high lift power loaders--75 hrs. @ $18.00 an hr.	1,350.00
4. Heavy tandem type or equal dump trucks--150 hrs. @ $7.50 an hr.	1,125.00
b. Labor, Supervision and Consultants	
Two general laborers for 100 days @ $1.50 an hr.	2,400.00
One experienced powder and shooter employee for 100 days @ $2.75 an hr.	2,750.00
One superintendent and consulting engineer for four months @ $600.00 a mo.	2,400.00
One general manager and purchasing agent for four months @ 750.00 a mo.	3,000.00
Note--Geological and engineering aid from the Atomic Energy Commission is requested.	
c. Operating materials and supplies	
Gasoline and miscellaneous fuels, oils and greases for 4 months supply	355.00
Food and medical supplies for 4 months supply	700.00
Miscellaneous repair costs on equipment for 4 months	500.00
Dynamite, fuses and other blasting materials for 4 months supply	500.00
Acetelyne, oxygen and welding supplies for 4 months supply	50.00
d. Operating equipment (All furnished by Applicant)	
One 105 C-F-M trailer mounted Schramm air compressor for use on road building, core drill placements and blasting--100 days at $20.00 a day	2,000.00
One combination air drill with all steel and hoses--100 days at $2.00 day	200.00
One rock and concrete breaker with hoses and mounts-100 days at $2.00 day	200.00
One heavy type, four wheel drive power wagon for hauling tools, powder, men, water, fuel and tools.--100 days at $20.00 a day	2,000.00
All tools including welding equipment, hand tools heavy jacks, precision instruments, wenches, etc.-- four months at $100.00 a mo.	400.00
Note--Other items furnished by applicant are listed in 7 b.	
e. Rehabilitation and repairs	
Improvements to bunkhouse and store room	300.00
Improvements to water storage facilities	150.00
f. None contemplated. (New buildings)	
g. Miscellaneous	
Laboratory assays and other analysis of ores	375.00
Accounting work	400.00
Employee compensation and liability insurance on $60.00 a day payroll	325.00
Payroll taxes over 100 day period	120.00
h. Contingencies	
Shutdown time due to unforeseen delays(10% of 100 days @ $75.00)	750.00
TOTAL	$47,350.00

Triple M Mining Co., Inc.
Box 787
Hobbs, New Mexico

Supplement No. 7

b. In addition to items listed in Supplement No. 6-d, the applicant proposes to furnish all housing facilities, beds, stoves for cooking, water and other necessary items for boarding and keeping employees for the four months operations. The applicant also furnishes a partially complete road to area and agrees to keep this road passable once it is completed. This road can be used to reach most core drill locations.

Triple A Mining Co., Inc.
Box 787
Hobbs, New Mexico

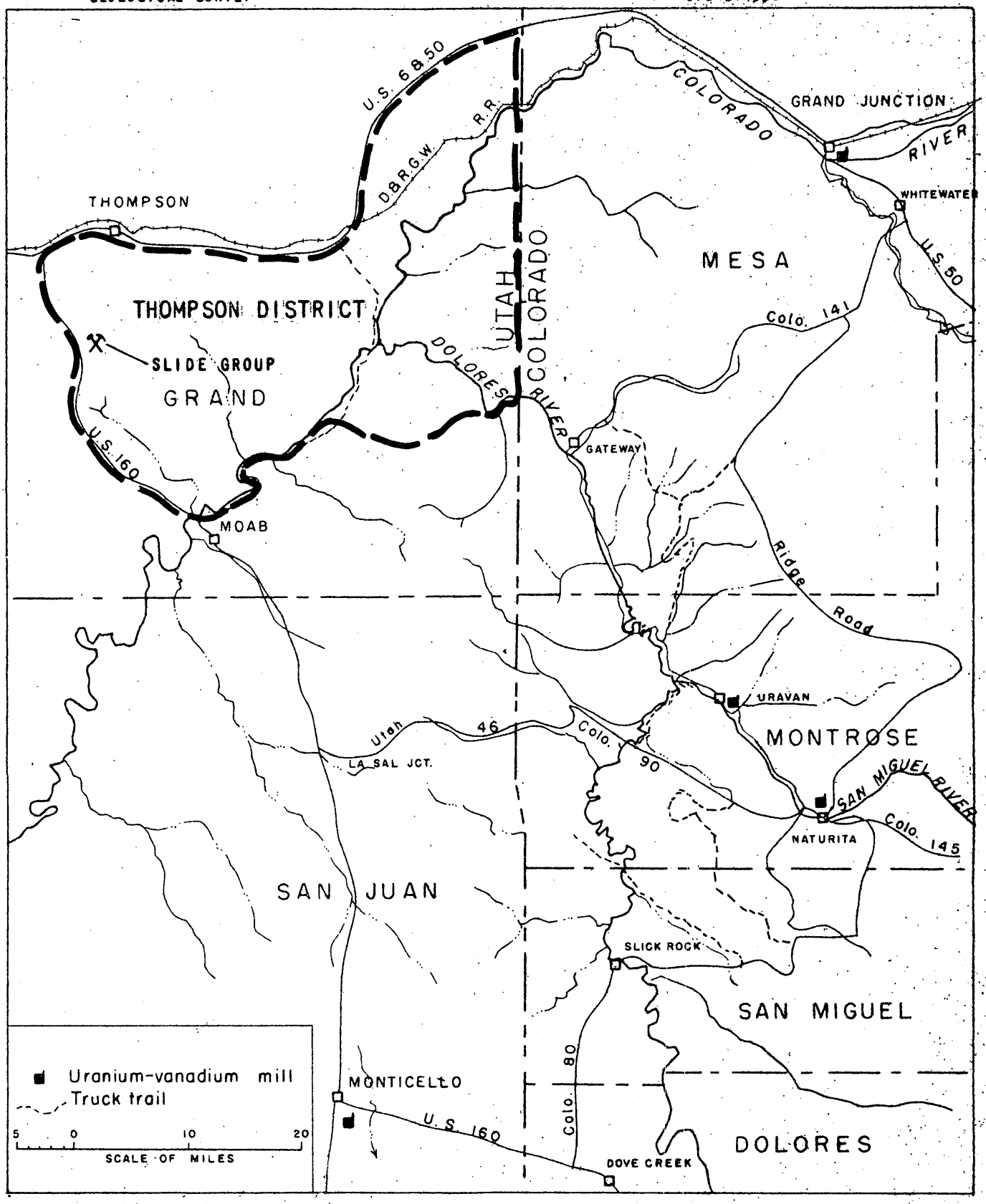
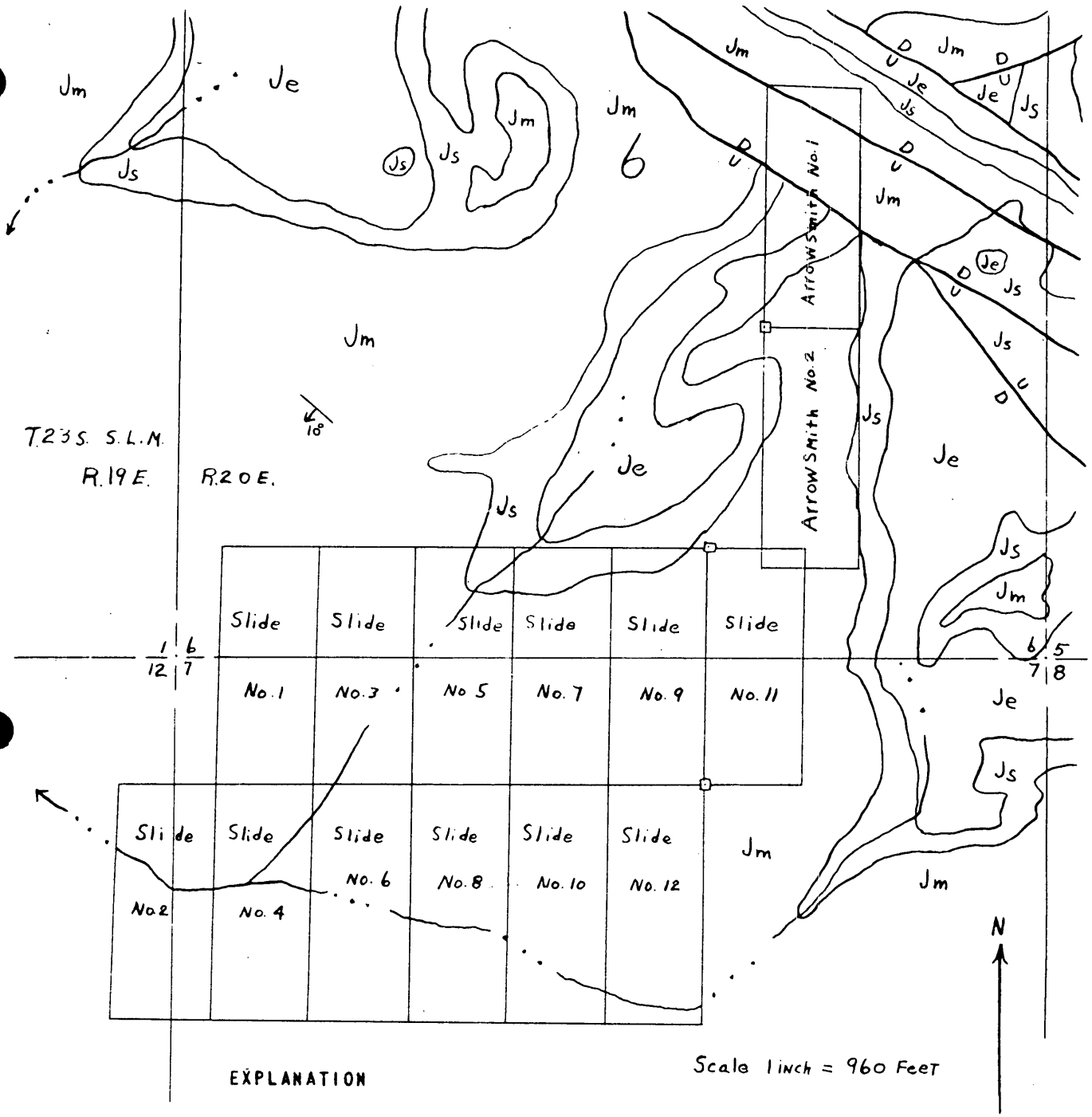


Figure 1. SKETCH MAP OF PART OF THE COLORADO PLATEAU SHOWING THE LOCATION OF THE SLIDE GROUP OF CLAIMS, THOMPSON DISTRICT, GRAND COUNTY, UTAH



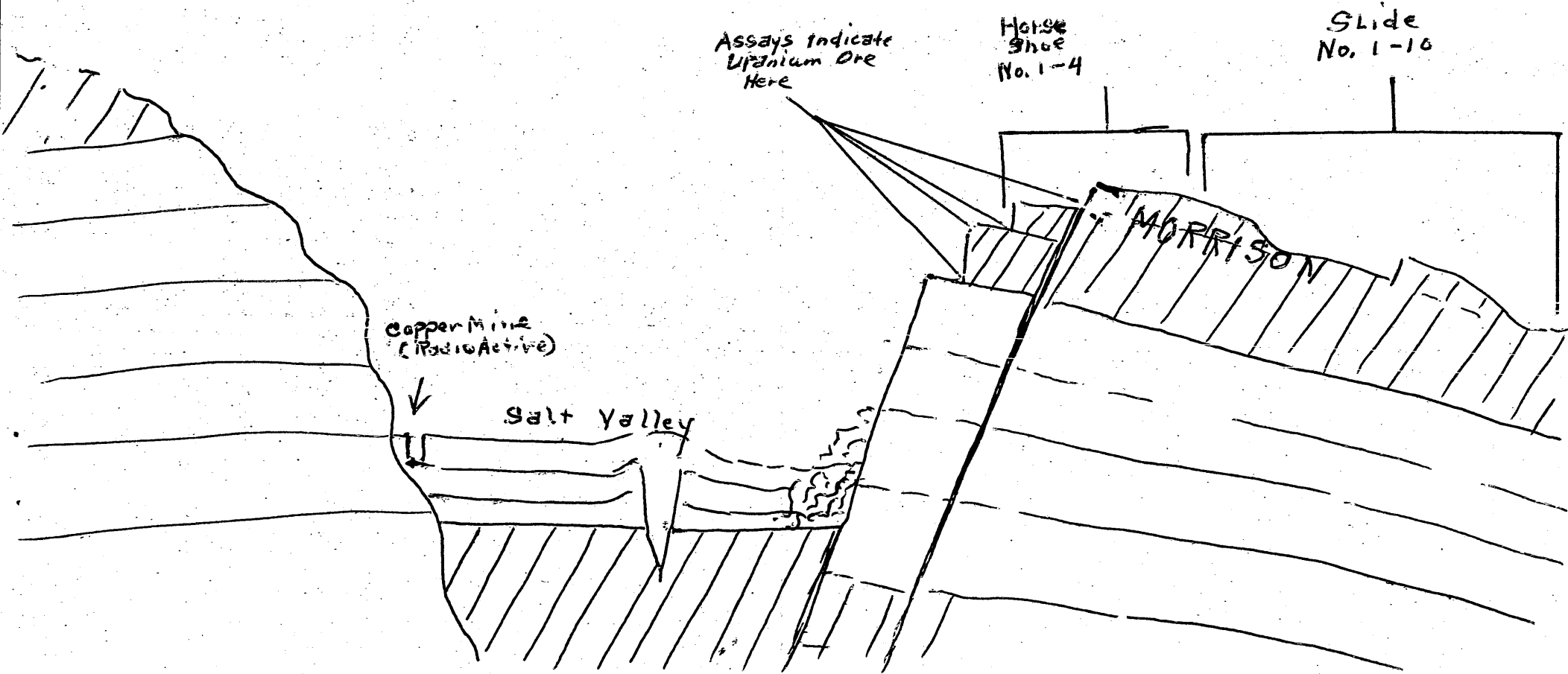
EXPLANATION

Je	ENTRADA FORMATION
Js	SUMMERVILLE FORMATION
Jm	MORRISON FORMATION
D/U	FAULT (D downthrown side U upthrown side)
10°	STRIKE AND DIP OF BEDS
6/7 5/8	LAND SECTION CORNER
	CLAIM CORNER FOUND IN THE FIELD

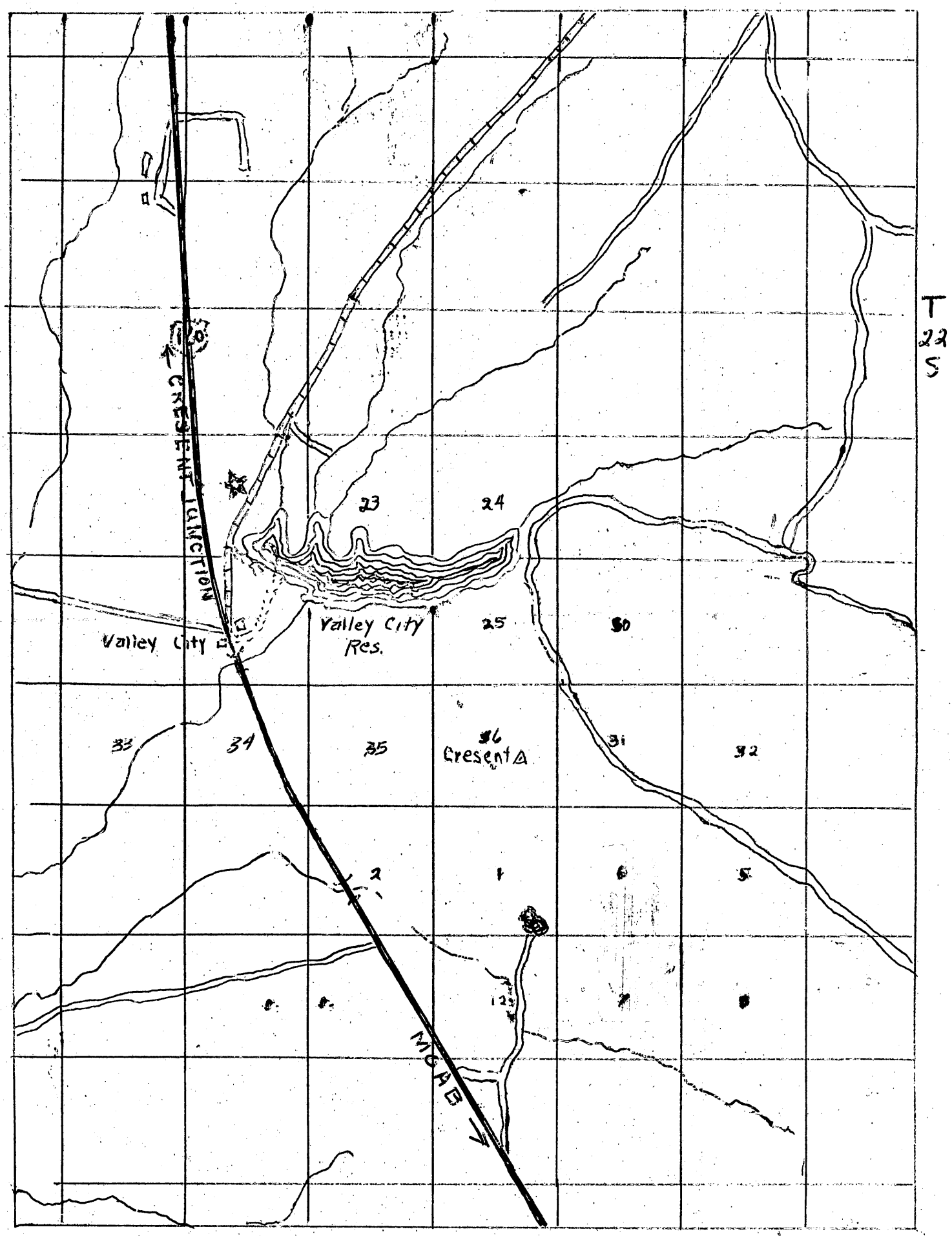
Base and Geology from U.S. Geological BULLETIN 863. C.H. Dane

Figure 2. SKETCH MAP OF THE SLIDE GROUP OF CLAIMS, TRIPLE M MINING COMPANY, THOMPSON DISTRICT, GRAND COUNTY, UTAH

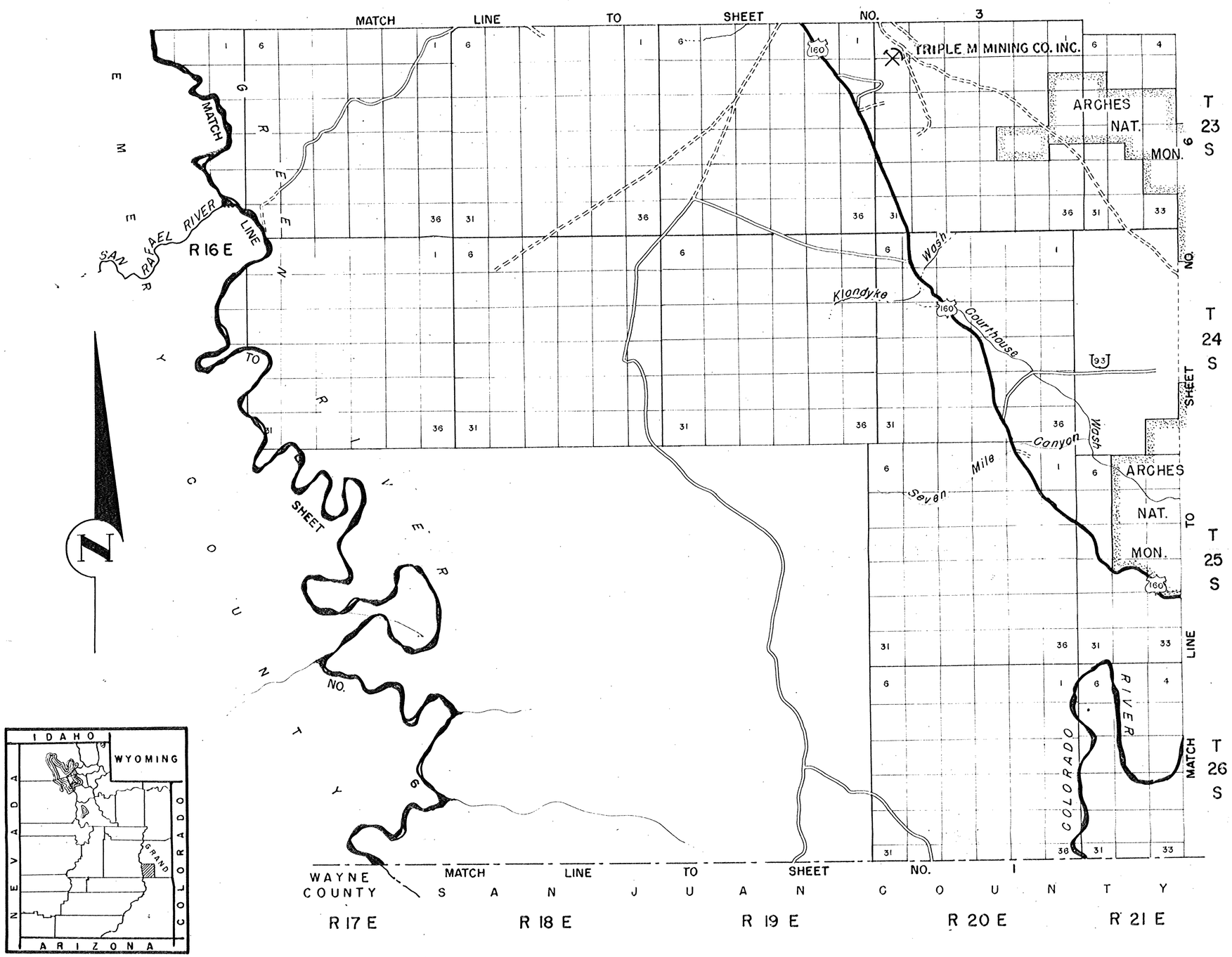
Asymetrical Anti-Cline



Triple M Mining Co., Inc.
Box 787
Hobbs, New Mexico



Triple M Mining Co.
Box 787
Hobbs, New Mexico



U. S. DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Fig. 1

DMEA Docket No. 3358

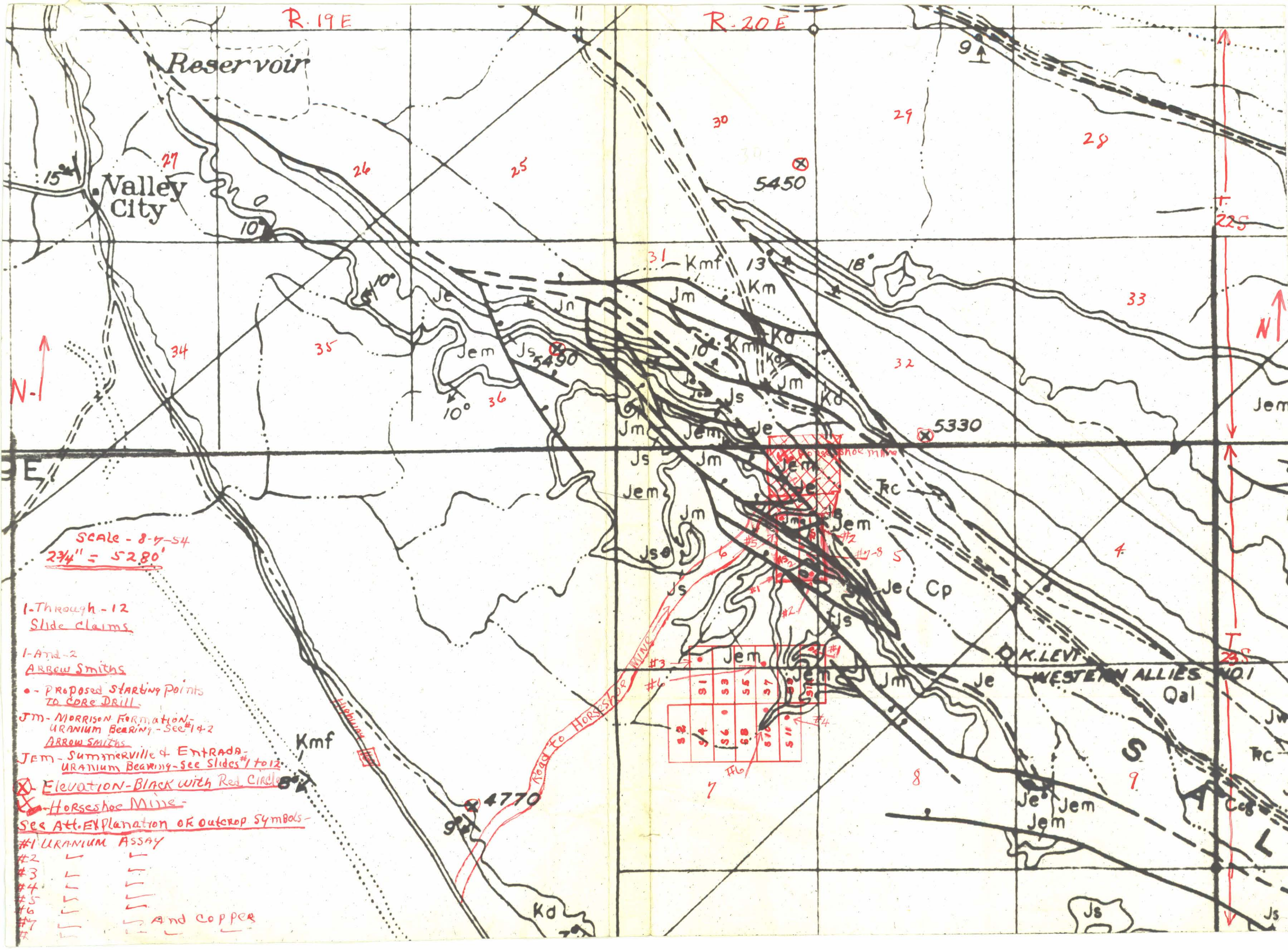
STATE : UTAH

COUNTY : GRAND

Sheet 5 of 6

Location Map

ENGINEER : W. E. Young	DATE : SEP. 29, 1954
TRACED: SEP, 1954; BY: A. P. T. S.	1900 - 303 - C
CHECKED :	


R. 19 E
R. 20 E
Reservoir
Valley City
Highway
Road To Horseshoe Mine
Horseshoe Mine
K. LEVI
WESTERN ALLIES NO. 1
SCALE - 8-7-54
2 3/4" = 5280'
1-Through-12
Slide Claims
1-And-2
ARROW SMITHS
• - Proposed Starting Points
TO CORE DRILL
JM - MORRISON FORMATION-
URANIUM BEARING - See #1 & 2
ARROW SMITHS
JEM - SUMMERVILLE & ENTRADA-
URANIUM BEARING - See Slides #1 to 12
Elevation - Black with Red Circle
Horseshoe Mine -
See Att. Explanation of outcrop symbols -
#1 URANIUM ASSAY
#2 " "
#3 " "
#4 " "
#5 " "
#6 " "
#7 " " And copper
#8 " "
5450
5490
5330
4770
T. 22 S
T. 23 S
N
E
S
A
L
Kmf
Km
Kd
Jm
Jn
Je
Jem
Js
Js
Tc
Cp
Qal
Cos