224 New Customhouse
Denver 2, Colorado

October 16, 1953.

Memorandum

To: Administrator, Defense Minerals Exploration Administration
Attention: 200

From: Field Team, Region IV

Subject: Geologic Report of Examination - DMEA Docket 3038 (Uranium), R. A. M. Mining Company, Grand Discovery & Morrison Claims, Emery County, Utah.

Enclosed are four copies of the Geologic Report of Examination on the subject docket, a copy of the letter of denial to the applicant, and two copies of Form 3b.

John F. Shaw
John F. Shaw
For W. H. King

E. N. Harshman
for A. H. Koschmann

Enclosures

HMC:cwm

cc: SRWilson w/copy of Geologic Report of Examination
RPFischer w/copy of Geologic Report of Examination
ERGordon w/copy of Geologic Report of Examination
AHKoschmann w/copy of Geologic Report of Examination
DMEA w/copy of Geologic Report of Examination
Mining Division w/copy of Geologic Report of Examination
Docket
AHKoschmann (2)
Chron.

[illegible] New Customhouse
Denver 2, Colorado

October 16, 1953.

Mr. Frank Ridley, Sr.
R. A. M. Mining Company
302 Main Street
Grand Junction, Colorado

Re: Docket No. DMEA-[illegible]

Dear Mr. Ridley:

Reference is made to your application for Government aid on the Grand Discovery and Morrison Claims.

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

A careful study of your property and data available to this agency reveals that the probability of disclosing minable reserves of Uranium is not considered sufficiently promising to justify Government participation. Under these circumstances, we regret to advise that your application for exploration aid is denied.

Very truly yours,

John F. Shaw
John F. Shaw
For W. H. King
Field Team, Region IV

HMC:cwm

cc: Docket
Administrator, DMEA
SRWilson
RPFischer
ERGordon
AHKoschmann (2)
Chron.

E. N. Hauschman
for A. H. Koschmann
Field Team, Region IV

DMEA Form 3b
(Revised)

DEFENSE MINERALS EXPLORATION ADMINISTRATION

CONTROLLED DOCUMENT
Revised Abstract

DMEA Docket No. 3058

Name of Applicant R. A. M. Mining Company

Change:	From		To	
	III 1	☐	III 1	☐
	III 2	☐	III 2	☒ 10-15-53
	III 3	☐	III 3	☐
	III 4	☒	III 4	☐
	III 5	☐	III 5	☐

Add: II 7 $ 6,168.75

II 8 $ None

II 8a %

Remarks:

Initials of person preparing sheet H.M.C.

Date sheet prepared 10-15-53

17367

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D.C.
Denver 2, Colorado

October 12, 1953

Memorandum

To: DMEA Field Team, Region IV

From: A. H. Koschmann

Subject: DMEA Docket 3 38, P.A.M. Mining Company, Grand Discovery and Morrison claims, Emery County, Utah

Enclosed are 11 copies of the geologic report by Irving J. Witkind of the U. S. Geological Survey covering the above docket.

It has been recommended that the loan be denied.

A. H. Koschmann
A. H. Koschmann
Supervising Geologist
Colorado-Wyoming

Enclosures (11)

EXTRA COPY

U. S. DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
P. O. Box 360
GRAND JUNCTION, COLORADO

October 6, 1953

Memorandum

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

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

Subject: DMEA 3058, R. A. M. Mining Co., Grand Discovery and Morrison claims, Emery County, Utah

Transmitted herewith are eleven copies of a geologic report on the Grand Discovery and Morrison claims, R. A. M. Mining Co., Emery County, Utah. The company applied for assisatance to do 4,626 feet of exploratory drilling for uranium deposits; costs are estimated to total $6,168.75.

The attached report was prepared by I. J. Witkind and is based on a field examination made September 4 in company with Frank Nisley, Jr., representing the applicant.

On the basis of field observations and grab samples, Witkind concludes that any deposit that might be discovered on the claims would be small and mostly low in grade, and for these reasons he recommends that the application be denied.

R. P. Fischer

R. P. Fischer
Acting District Supervisor
Colorado Plateau District

Enclosures (11)

RPF/mlr

UNITED STATES DEPARTMENT OF THE INTERIOR
DOUGLAS McKAY, SECRETARY

DEFENSE MINERALS EXPLORATION ADMINISTRATION
REPORT OF EXAMINATION BY FIELD TEAM
REGION IV

DMEA DOCKET 3058 (Uranium)

THE R. A. M. MINING COMPANY GRAND DISCOVERY AND MORRISON CLAIMS, EMERY COUNTY, UTAH

Geologic report

By Irving J. Witkind
U. S. Geological Survey

THE R. A. M. MINING COMPANY
GRAND DISCOVERY AND MORRISON CLAIMS
EMERY COUNTY, UTAH

INTRODUCTION AND SUMMARY

The R. A. M. Mining Company of Grand Junction, Colo., has applied (Docket 3058) to the Defense Minerals Exploration Administration for assistance to explore for uranium in Emery County, Utah. The applicant proposes to drill 4,626 feet of hole, which, with incidentals, is estimated to cost $6,168.75.

The property was examined on September 4, 1953, in company with W. R. Barton of the Geological Survey and Mr. Frank Nisley, Jr., an executive of the R. A. M. Mining Company.

The Grand Discovery and Morrison claims consist of a total of 15 claims in secs. 7, 8, 17 and 18, T. 23 S., R. 15 E., Salt Lake Principal Meridian. The claims are about 5 miles east of Utah highway 24 and 15 miles southwest of Green River, Utah. The property is easily accessible over an unimproved dirt road. Parts of the road would require grading if ore were to be transported from the claims.

The mineralized rock is in uppermost sandstone of the Salt Wash member of the Morrison formation, and consist principally of pods of carbonaceous material in a coarse- to medium-grained sandstone. No uranium minerals were observed and it is concluded that chance of making a significant discovery of uranium ore on these claims is poor. It is recommended, therefore, that this application be denied.

GEOLOGY

The claims are about 10 miles east of the northeast flank of the San Rafael Swell, and are on one of the broad benches that forms the western part of the Green River desert. In this general region consolidated sedimentary strata of Jurassic age are exposed. In the area immediately adjacent to the claims the Summerville formation is exposed in the floors of the tributary canyons to the San Rafael river. Overlying the Summerville are the massive sandstones and claystones of the Morrison formation.

The basal sandstones of the Morrison formation comprise the Salt Wash member, and it is this unit that forms a broad bench on which the claims are situated. The strata strike N. 62° W., and dip about $2\frac{1}{2}$° to the north.

The host rock in this immediate area for economic concentrations of uranium minerals is the Salt Wash member of the Morrison formation. The Salt Wash is a light tan coarse-grained sandstone that ranges in thickness from 50 feet to as much as 100 feet. It is composed of irregularly bedded medium- to coarse-grained gray sandstone. Locally it is interbedded with lenses of conglomeratic sandstone as well as red and gray mudstone. The Salt Wash unconformably overlies the red-brown regularly bedded shaly siltstones of the Summerville formation.

ORE DEPOSITS

The mineralized outcrops are in uppermost sandstone of the Salt Wash member of the Morrison formation. Three mineralized exposures were noted on the broad Salt Wash bench formed. All three exposures are within the confines of the Grand Discovery no. 3 claim. Since the filing of the application, the claims have been restaked. The correct numbering system of the claims is shown in figure 1. The mineralized exposures were examined for the presence of observable uranium minerals and tested for abnormal radioactivity with a Precision Scintillator, Model III. In none, however, were uranium minerals observed; all abnormal radioactivity appeared to be associated with thin pod-like seams of carbonaceous material scattered irregularly in the sandstone. The highest count obtained was 1.0 MR per hour; normal background for the area was .02 MR per hour.

The three mineralized exposures formed a triangle as shown in figure 2. Of the three exposures examined, all had been deepened and widened by digging. The largest exposure was at point B, and consisted of a pit about 20 feet long, about 5 feet wide, and about 3 feet deep. The other two exposures consisted of smaller pits about 4 feet long, 5 feet wide and about 3 feet deep.

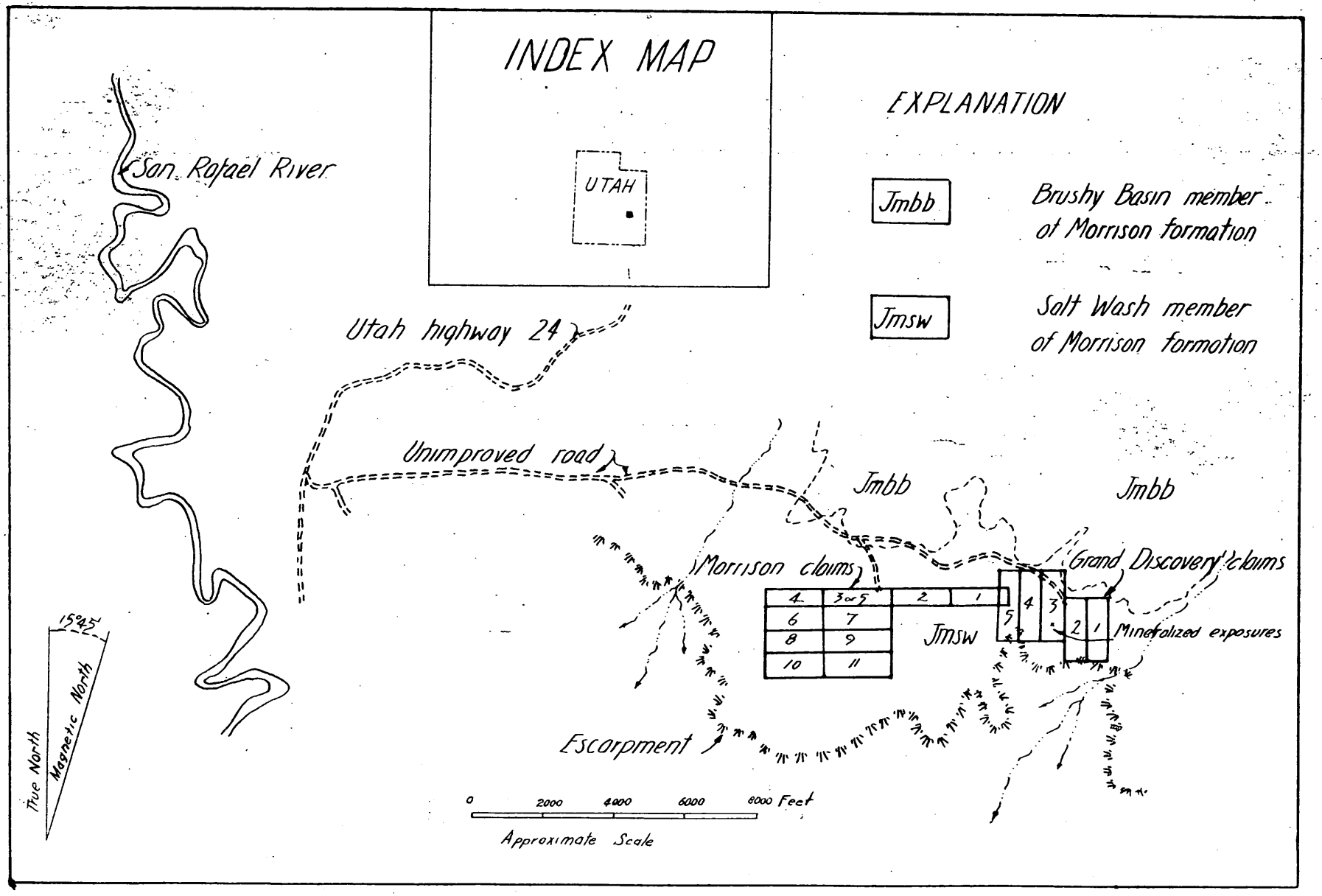


Figure 1. LOCATION OF GRAND DISCOVERY AND MORRISON CLAIMS, EMERY COUNTY, UTAH

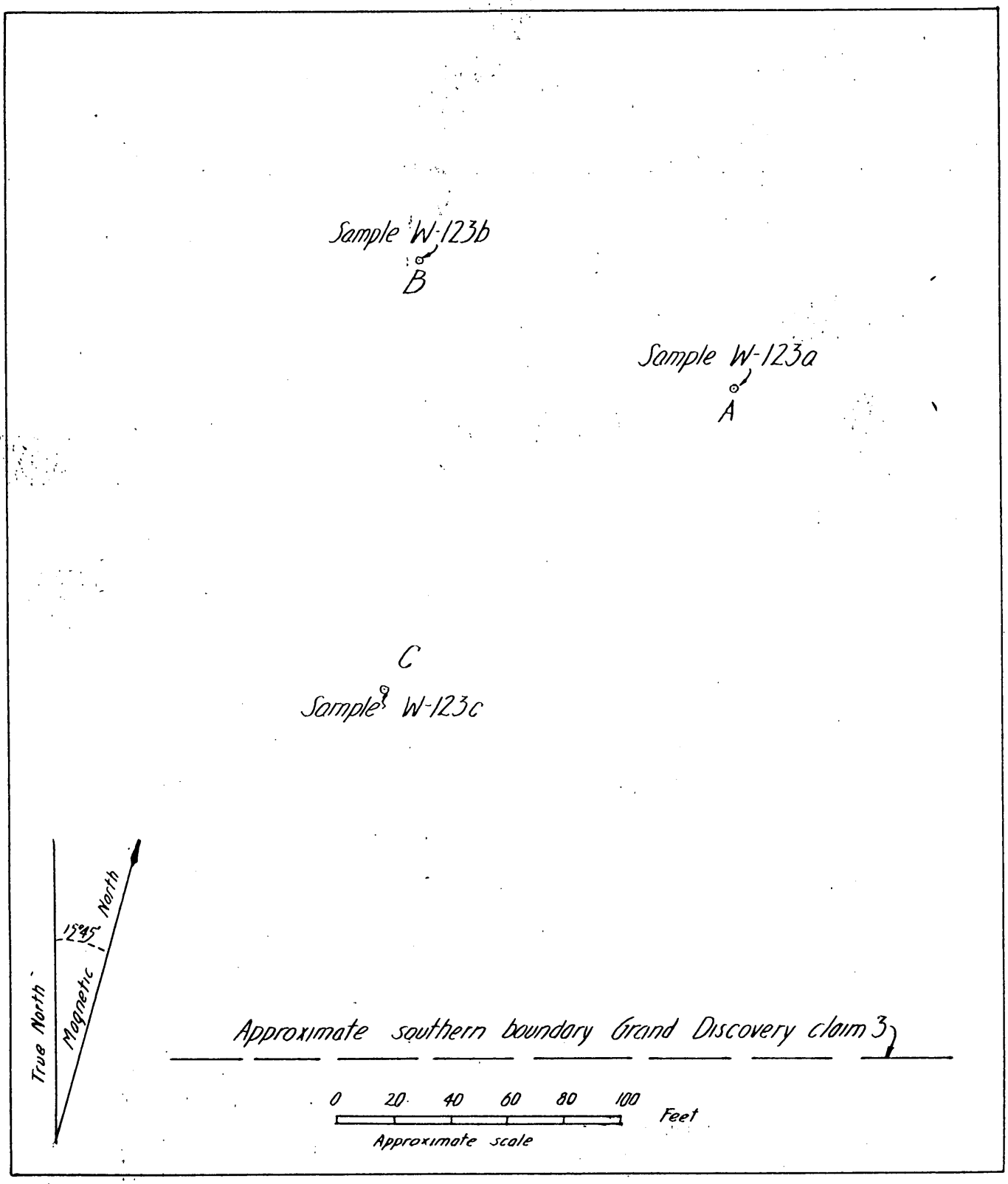


Figure 2. LOCATION OF PROSPECT PITS, GRAND DICCOVERY CLAIM NO. 3

Samples were collected from each prospect pit and were submitted for analysis on September 11, 1953. Results are presented below:

Field no.	U_3O_8%	V_2O_5 %	$CaCO_3$%
W-123a	0.014	0.02	3.4
W-123b	0.338	0.02	4.45
W-123c	0.067	0.03	18.9

The low uranium concentration shown by two of the samples suggests that the carbonaceous material is erratically mineralized. Further, the lateral extent of the masses of carbonaceous material is probably very small, and their distribution most irregular. On the basis of these reasons as well as the general unfavorable appearance of the area, it would appear that this area does not conceal an important deposit of uranium ore.

CONCLUSIONS AND RECOMMENDATIONS

It is concluded that the Grand Discovery and Morrison claims do not offer much promise for the discovery of significant deposits of uranium ore, and that any deposit discovered would be small and mostly low grade. It is recommended, therefore, that this application be denied.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
P. O. Box 360
Grand Junction, Colo.

October 8, 1953

Memorandum

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

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

Subject: DMEA 3058, R. A. M. Mining Company, Grand Discovery and Morrison claims, Emery County, Utah

Transmitted herewith is the application and brochure of DMEA 3058, R. A. M. Mining Company, Grand Discovery and Morrison claims, Emery County, Utah.

RPF

R. P. Fischer
Acting Supervisor
Colorado Plateau District

Enclosure

RPF/mlr

cc: A. H. Koschmann (1 extra)

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

Defense Minerals Administration

JUN 2 1953

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

Not to be filled in by applicant

Docket No. DMEA-3058
Metal or Mineral
Date Received 6/2/53
Estimated Cost
Participation (Government %)

INSTRUCTIONS

1. *Name of applicant.*—(*a*) State here your full legal name, in the form in which you will wish to contract, and your mailing address: R.A. M. Mining Company
302 Main
Grand Junction, Colorado

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

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

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

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

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

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

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

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

(*e*) If you own the land, describe any liens or encumbrances on it None

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

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

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

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

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

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

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

(*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 14 days and be completed within 1½ 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 May 21, 1955

R. A. M. Mining Company
(Applicant)

By Frank Jones Jr.

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

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

1.b A partnership organized in the State of Colorado

4. George Fay	Route 3 Grand Junction, Colorado
Frank Mieley Jr	" " " "
Sam Courtney	435 North Ave, Grand Junction, Colo
Hays Wilson	Rifle, Colorado
J. D. Gillard	502 Main, Grand Junction, Colo

R.A.M. Mining Company
302 Main
Grand Junction, Colorado

Supplemental Data

3. Property Rights:

(a) The property rights consist of unpatented mining claims lying in Twp. 22 and 23 S, Range 15 E, S.L.M.

(c) The claims were taken up by Sam Courtney, Frank Mosley, Jr., and Hays Wilson, all stock holders.

(e) There are no liens nor encumbrances on the property.

(f)

Name of Claims:		Ins. #	Book	Page	County Recorded
Grand Discovery	1	81287	J-11	325	Emery, Utah
	2	81288	"	326	
	3	81289	"	327	
	4	81290	"	328	
	5	81291	"	329	
Morrison	1	81777	"	425	
	2	81778	"	425	
	3	81779	"	426	
	4	81780	"	426	
	5	81781	"	427	
	6	81782	"	427	
	7	81783	"	428	
	8	81784	"	428	
	9	81785	"	429	
	10	81786	"	429	
	11	81787	"	430	

4. Physical Description:

(a) The claims lie on a relatively flat Morrison Bench with ore showings to the surface in several places.

Pits: A few pits have been opened where the ore comes to the surface and assays taken from these pits have run from .30 to .60 U_3O_8.

(b) We have shipped no ore from this property as yet.

(c) The ore taken from the pits consists mostly of mineralized carbons which do not carry much vanadium. We do not believe these carbons are in place as they seem to have washed in to seams in the rock and are scattered in the top soil over the rock. We believe the Morrison has erroded down almost to the ore beds in most places and in some places have weathered through the ore beds, the water carrying the carbons from the ore beds into the low spots where we now find it concentrated. There are other mines near this property that are mining ores found in lenses, rolls, etc. The A.E.C. have shown this area on their analogy maps having picked it

R.A.M. Mining Company
302 Main
Grand Junction, Colorado

Supplemental Data

up by air-borne instruments as have we. We believe that bodies of ore suitable for shallow mining can be picked up by very shallow wagon drilling.

(d) Equipment can be moved at the present time over the area we wish to have drilled without road building being necessary. This property is also about 20 miles from Greenriver, Utah.

(e) We have the necessary manpower, materials, supplies, etc. except for a wagon drill which we propose to lease.

5. (b) We propose to drill this property on 300 ft. centers to start with, and close in to 100 ft. centers and 25 ft. centers where ore bodies are found. We propose to drill about 185 holes and believe that the holes will not average over 25 ft.

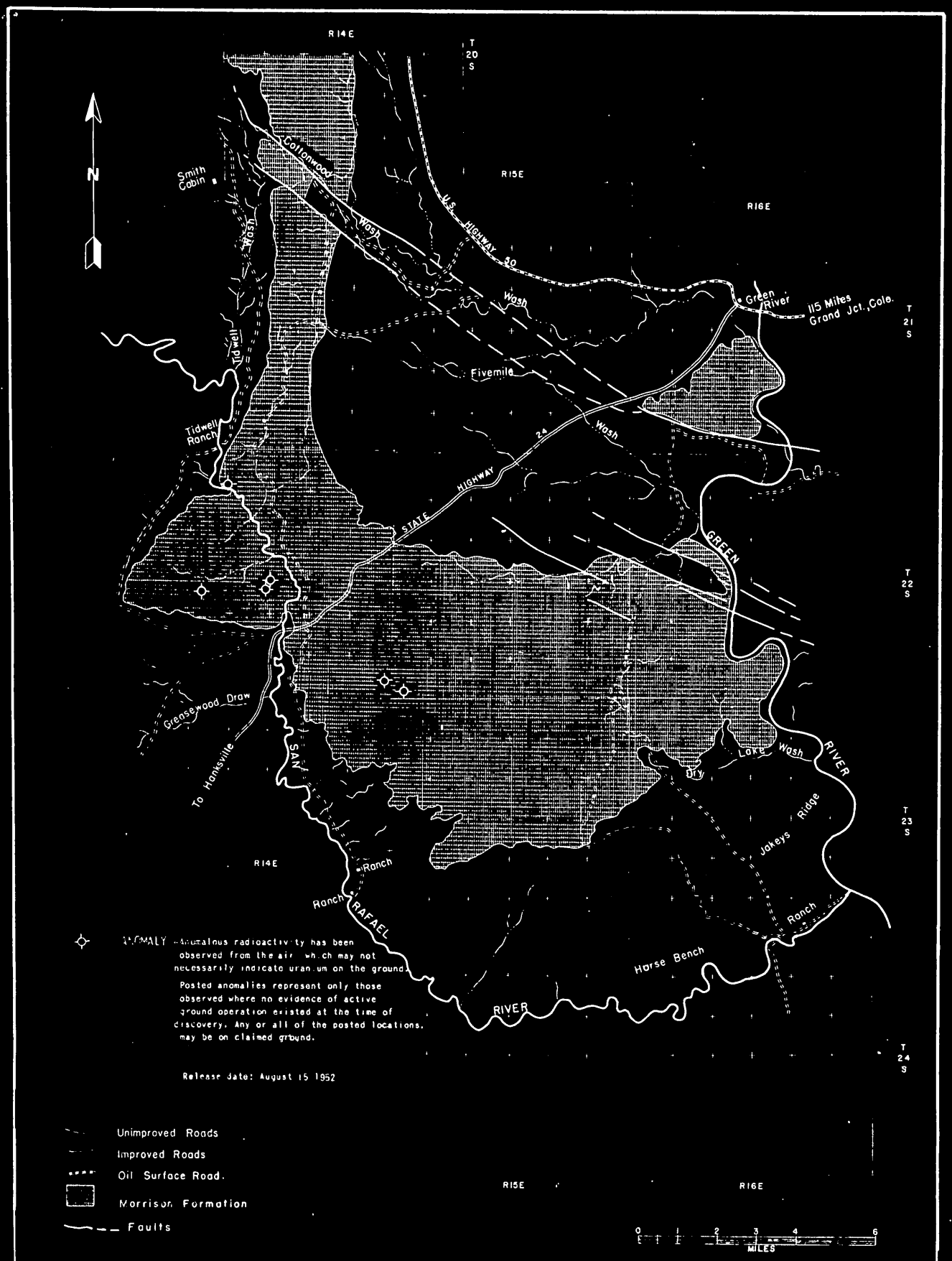
(d) Mr. Hays Wilson, a part owner, will be in charge of the operations. He and Frank Hisley, operated a vanadium mill at Gateway, Colorado, from 1940 to 1944. Part of this time the plant had a contract to produce Vanadic Acid for the Metal Reserve Company. Mr. Wilson had mined coal and many other minerals including both vanadium and uranium for many years. He has done much contracting and construction work.

References will be furnished if necessary to establish his qualifications for handling this work.

6. Estimate of Costs:

(a)	Independent Contracts:	
	4626 ft. of hole at $1.15 per ft.	$5,318.75
	Cost of moving equipment	250.00
(b)	Labor, Supervision, Consultants:	
	1 - Supervisor at $300.00	300.00
(c)	Operating supplies, materials, etc.	300.00
		$6,168.75

7. We propose to furnish our share of the costs by furnishing the supervision, the camp, operating supplies, and transportation.



U. S. ATOMIC ENERGY COMMISSION
GRAND JUNCTION EXPLORATION BRANCH DIVISION OF RAW MATERIALS

AIRBORNE RADIOACTIVITY SURVEY
ANOMALY LOCATION MAP
GREEN RIVER AREA, EMERY COUNTY, UTAH

SCALE 1" = 2 MI	DATE	CONTOUR INTERVAL	
TOPO. BY	CHECKED	ACCOMPANIES	
GEOL. BY	CORRECT.		
DRAWN BY:	REVISED		
TRACED BY:	APPROVED	SHEET.	FILE INDEX

6-303
(March 1947)

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
Salt Lake City, Utah

No. 11

Report to Mr. S. R. Wilson

Chemical Laboratory Report

Date received Sept. 18, 1953

D.M.E.A. Proj.

Date reported Sept. 22, 1953

Serial No.	DESCRIPTION	Lot No.	%	U_3O_8	V_2O_5	$CaCO_3$
	R.A.M. Mining Co. DMEA-3058 Emery County, Utah					
	From the Grand Discovery and Morrison Claims					
17438		W 123 A		0.014	0.02	3.4
39		W 123 B		0.338	0.02	4.45
17440		W 123 C		0.067	0.03	18.9

Mining Division
Date Rec'd.
SEP 24 1953
BUREAU OF MINES
Denver, Colorado

cc: W. H. King

U. S. GOVERNMENT PRINTING OFFICE 16—33553-3

Signed W. R. Anderson

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

Mining Division
Dep. Head

SEP 28 1953

BUREAU OF MINES
Denver, Colorado

September 24, 1953

Memorandum

To: Irving J. Witkind, U. S. Geological Survey, Denver, Colo.

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

Subject: Docket No. DMEA 3058, R.A.M. Mining Co., Grand Discovery and Morrison claims, Emery County, Utah

Samples from the subject property mailed to this office by your memorandum of September 13, 1953, have been analyzed, with the following results:

Lot No.	Percent U_3O_8	V_2O_5	$CaCO_3$
W 123 A	0.014	0.02	3.4
W 123 B	0.338	0.02	4.45
W 123 C	0.067	0.03	18.9.

Stephen R. Wilson
Stephen R. Wilson

cc: W. H. King (2)
file
df

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

September 24, 1953

Memorandum

To: Irving J. Witkind, U. S. Geological Survey, Denver, Colo.

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

Subject: Docket No. DMEA 3058, R.A.M. Mining Co., Grand Discovery and Morrison claims, Emery County, Utah

Samples from the subject property mailed to this office by your memorandum of September 13, 1953, have been analyzed, with the following results:

	Percent		
Lot No.	U_3O_8	V_2O_5	$CaCO_3$
W 123 A	0.014	0.02	3.4
W 123 B	0.338	0.02	4.45
W 123 C	0.067	0.03	18.9.

Stephen R. Wilson
Stephen R. Wilson

cc: W. H. King (2)
file
df

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
P. O. Box 360
Grand Junction, Colorado

September 10, 1953

Mining Division
Date Rec'd
SEP 11 1953
BUREAU OF MINES
Denver, Colorado

Mr. I. J. Witkind
U. S. Geological Survey
P. O. Box 251
Greenriver, Utah

Dear Irv:

Thanks for your note of September 4 regarding DMEA 3058, Grand Discovery and Morrison claims, Emery County, Utah. I am glad you were able to contact the applicant and make this field examination.

With respect to the three samples you have taken from the property, and which you want to have assayed before you complete your report, I suggest you send them to S. R. Wilson, Bureau of Mines, Salt Lake City, for assay. I hope the Bureau will be able to test these samples promptly and will return the results to you. As quickly as possible after you have received the results, please send me the draft of your report so this can be transmitted to Denver. There seems to be an increasing urgency to process applications promptly.

Your note indicates that you probably will recommend a denial of this application, but that you want to see the assay results before you make a definite decision. In this case, since the examination was so long delayed, I suggest you consider writing your report in advance of the receipt of the assay data. I can understand, however, that you may feel the need of these assay data to support your conclusions and, if this is true, you had better hold the report until you can include the assay results.

With best wishes.

Sincerely,

RPF

R. P. Fischer

RPF/je

cc: S. R. Wilson
A. H. Koschmann
W. H. King
G. J. file
Reading file

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
P. O. Box 360
Grand Junction, Colorado

IN REPLY REFER TO:
Mining Division
Date Rec'd.
SEP 0- 1953
BUREAU OF MINES
Denver, Colorado

September 4, 1953

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

Dear Bill:

Reference is made to your letter of September 1 to Mr. Frank Nisley, Jr., regarding DMEA 3058.

Sometime in late July our field geologist, Irv Witkind, tried to contact Nisley, and he again made an effort to do so a couple of weeks ago. I do not know whether or not this contact was made, but at any rate, Irv informed me that he planned to examine these claims in the field today, September 4. I called Mr. Nisley this morning and found that he was going to Green River today. On the basis of this, I am assuming that arrangements have been made for Nisley to show Witkind his claims. For this reason, I shall hold the letter you wrote to him until I am able to contact Nisley next week, or until I hear from Witkind. I will keep you informed of any important developments.

Sincerely yours,

Dick

R. P. Fischer
Acting District Supervisor
Colorado Plateau District

RPF/je

cc: A. H. Koschmann
S. R. Wilson
G. J. file
Reading file

R. P. F.

examination made

224 New Customhouse
Denver 2, Colorado

September 1, 1953

Memorandum

To: R. P. Fischer

From: Executive Officer, DMEA Field Team, Region IV

Subject: Docket No. DMEA 3058 (Uranium), R.A.M. Mining Company, Emery County, Utah

Enclosed is a letter to Frank Nisley, Jr.

If this letter meets with your approval, please mail it to the applicant in the enclosed envelope.

Copies of this letter will be held in our files pending receipt of your disposition of the original.

W. H. King

W. H. King

Enclosure

JFS:es

cc: Docket
Chron.
Wilson
Koschmann (2)
Shaw

224 New Customhouse
Denver 2, Colorado

August 28, 1953

Memorandum

To: S. R. Wilson

From: Executive Officer, DMEA Field Team, Region IV

Subject: Docket No. DMEA-3058 (Uranium), R. A. M. Mining Company
Emery County, Utah

Reference is made to your letter dated August 11, 1953 to Mr. Frank Nisley, Jr., requesting information regarding the location of the property covered in Docket No. DMEA-3058.

Please advise us if you have received any reply to this letter. If not, we will write Mr. Nisley and tell him we are placing his application in our inactive file.

W. H. King

W. H. King

JFS:jp
cc Subject
Chron
AHKoschmann
JFShaw

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

W.H.K.

August 11, 1953

Bureau of Mines
Denver, Colorado

Mr. Frank Nisley, Jr.
302 Main Street
Grand Junction, Colorado

Dear Mr. Nisley:

Reference is made to your letter of August 5, 1953, concerning DMEA docket 3058, R.A.M. Mining Company.

We have checked the records of the Bureau of Land Management in Salt Lake City and have ascertained that virtually all of T. 23 S., R. 15 E., S.L.B. & M. is covered by Federal oil and gas leases. We are unable to determine the exact relation between your property and the sections in this township without more detailed information. It appears probable that your claims are in conflict with valid oil and gas leases.

If you are able to determine more specifically the location of your claims, it is suggested that you consult with the Atomic Energy Commission in Grand Junction concerning procedure for obtaining necessary leases from this agency.

Very truly yours,

Stephen R. Wilson

Stephen R. Wilson, Chief
Minerals Development Branch
Mining Division, Region IV

cc: W. H. King

file
df

Mining Division
Date Rec'd
JUL 20 1953
BUREAU OF MINES
Denver, Colorado

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

July 17, 1953

Memorandum

To: Irving J. Witkind, U. S. Geological Survey, Denver, Colo.

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

Subject: DMEA-3058, R.A.M. Mining Co., Grand Discovery and Morrison claims, Emery County, Utah

Inquiry at the office of the Bureau of Land Management has disclosed that essentially all sections of Township 22 and 23 S., R. 15 E., S.L.B. & M., are covered by Federal oil and gas leases. Property included in the subject application is reported to lie within these townships, but it is not possible to determine the exact location of the property with the present information. The applicant should be required to furnish more specific data concerning the location and validity of the claims in relation to Federal oil and gas leases.

Stephen R. Wilson

Stephen R. Wilson

cc: W. H. King
R. P. Fischer

224 New Customhouse
Denver 2, Colorado

June 9, 1953

Memorandum

To: S. R. Wilson (with brochure)
R. P. Fischer (with brochure)

From: Field Team, Region IV

Subject: Docket No. DMA 3058 (Uranium), R. A. M. Mining Company, Grand Discovery and Morrison Claims, Emery County, Utah

Enclosed is an application for exploration assistance submitted by the R. A. M. Mining Company estimated to cost $6,168.75. The property is located in Emery County, Utah.

A field examination should be made and a report submitted.

The records of the Bureau of Land Management should be checked to see that the locations of the claims are valid.

John F. Shaw
John F. Shaw, for
W. H. King

A. H. Koschmann
A. H. Koschmann

Enclosure

JFS:fwo

cc Subject
Chron
Koschmann (2)

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

May 22, 1953

Memorandum

To: W. H. King, Chief, Mining Division, Region IV

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

Subject: R.A.M. Mining Co., Grand Discovery and Morrison Claims, Emery County, Utah. Application for DMEA loan

Attached are four copies of MF-103 forms and supplemental data pertaining to a loan request for exploration of uranium property in Emery County, Utah. An aerial photograph and AEC anomaly location map are attached to the original of the MF-103 forms.

Stephen R. Wilson
Stephen R. Wilson

Enclosures 3

224 New Customhouse
Denver 2, Colorado

May 29, 1953.

Memorandum

To: Administrator, Defense Minerals Exploration Administration
Attention: Code 200

From: Executive Officer, DMEA Field Team, Region IV

Subject: Docketing for Exploration Assistance

Enclosed herewith in duplicate is DMA Form 3a and MF-103, and supporting data pertaining to the following applications for Government assistance in exploration work:

Colorado Mines and Metals Company
Carl A. Larson, Assistant Secretary
Silverton, Colorado

R.A.M. Mining Company (Spotted Wolf Mine)
302 Main Street
Grand Junction, Colorado

R.A.M. Mining Company (Grand Discovery & Morrison Claims)
302 Main Street
Grand Junction, Colorado

Charles M. Taylor
P. O. Box 1710
Tucson, Arizona

for John F. Shea
W. H. King

Enclosures
cwm

cc: Code 200
Docket (Colo. Mines & Metals Co.)
Docket (R.A.M. Mining Co., Spotted Wolf Mine)
Docket (R.A.M. Mining Co., Grand Discovery & Morrison)
Docket (Charles M. Taylor)
AHKoschmann (2)
Chron.

DMEA Form 3a
(Revised)

DEFENSE MINERALS EXPLORATION ADMINISTRATION

CONTROLLED DOCUMENT
Abstract

I. 3

II. Fill in each item:

1. _____ 2. _____

3. R.A.M. Mining Company 302 Main Street
Grand Junction Colorado
_____ (Code) _____

4. Grand Discovery & Morrison

5. State Utah County Emery
_____ (Code) _____ (Code)

6. Uranium

7. $ 6,168.75

8. $ _____ 8a. % 90

III. Check one:

1 ☐ 2 ☐ 3 ☐ 4 ☐

Remarks:

Initials of person preparing sheet HMC

Date sheet prepared 5-27-53

17367

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

Mining Division
Date Rec'd.
MAY 25 1953
BUREAU OF MINES
Denver, Colorado

May 22, 1953

Memorandum

To: W. H. King, Chief, Mining Division, Region IV

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

Subject: R.A.M. Mining Co., Grand Discovery and Morrison Claims, Emery County, Utah. Application for DMEA loan

Attached are four copies of MF-103 forms and supplemental data pertaining to a loan request for exploration of uranium property in Emery County, Utah. An aerial photograph and AEC anomaly location map are attached to the original of the MF-103 forms.

Stephen R. Wilson
Stephen R. Wilson

Enclosures 3

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

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

Not to be filled in by applicant

Docket No. .....
Metal or Mineral .....
Date Received .....
Estimated Cost .....
Participation (Government %) .....

INSTRUCTIONS

File

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: R.A. M. Mining Company
302 Main
Grand Junction, Colorado

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

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

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

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

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

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

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

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

(*e*) If you own the land, describe any liens or encumbrances on it None

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

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

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

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

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

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

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

(*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 14 days and be completed within 1 ½ 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 ☒ Some Use of equipment owned by you ☒ Other

Explain in detail on acompanying paper.

CERTIFICATION

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

Dated May 21, 1952

R. A. M. Mining Company
(Applicant)

By Jack Foley Jr.

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

R.A.M. Mining Company
302 Main
Grand Junction, Colorado

Supplemental Data

1.b A partnership organized in the State of Colorado

d. George Foy — Route 5 Grand Junction, Colorado
Frank Nisley Jr — " " " "
Sam Courtney — 435 North Ave, Grand Junction, Colo
Hays Wilson — Rifle, Colorado
J. D. Dillard — 302 Main, Grand Junction, Colo

3. Property Rights:
(a) The property rights consist of unpatented mining claims lying in Twp. 22 and 23 S, Range 15 E, S.L.M.

(c) The claims were taken up by Sam Courtney, Frank Nisley, Jr., and Hays Wilson, all stock holders.
(e) There are no liens nor encumbrances on the property.
(f)

Name of Claims:		Ins. #	Book	Page	County Recorded
Grand Discovery	1	81287	J-11	325	Emery, Utah
	2	81288	"	326	
	3	81289	"	327	
	4	81290	"	328	
	5	81291	"	329	
Morrison	1	81777	"	425	
	2	81778	"	425	
	3	81779	"	426	
	4	81780	"	426	
	5	81781	"	427	
	6	81782	"	427	
	7	81783	"	428	
	8	81784	"	428	
	9	81785	"	429	
	10	81786	"	429	
	11	81787	"	430	

4. Physical Description:
(a) The claims lie on a relatively flat Morrison Bench with ore showings to the surface in several places.
Pits: A few pits have been opened where the ore comes to the surface and assays taken from these pits have run from .30 to .60 U_3O_8.
(b) We have shipped no ore from this property as yet.
(c) The ore taken from the pits consists mostly of mineralized carbons which do not carry much vanadium. We do not believe these carbons are in place as they seem to have washed in to seams in the rock and are scattered in the top soil over the rock. We believe the Morrison has erroded down almost to the ore beds in most places and in some places have weathered through the ore beds, the water carrying the carbons from the ore beds into the low spots where we now find it concentrated. There are other mines near this property that are mining ores found in lenses, rolls, etc. The A.E.C. have shown this area on their analogy maps having picked it

R.A.M. Mining Company
302 Main
Grand Junction, Colorado

Supplemental Data

up by air-borne instruments as have we. We believe that bodies of ore suitable for shallow mining can be picked up by very shallow wagon drilling.

(d) Equipment can be moved at the present time over the area we wish to have drilled without road building being necessary. This property is also about 20 miles from Greenriver, Utah.

(e) We have the necessary manpower, materials, supplies, etc. except for a wagon drill which we propose to lease.

5. (b) We propose to drill this property on 300 ft. centers to start with, and close in to 100 ft. centers and 25 ft. centers where ore bodies are found. We propose to drill about 185 holes and believe that the holes will not average over 25 ft.

(d) Mr. Hays Wilson, a part owner, will be in charge of the operations. He and Frank Nisley, operated a vanadium mill at Gateway, Colorado, from 1940 to 1944. Part of this time the plant had a contract to produce Vanadic Acid for the Metal Reserve Company. Mr. Wilson had mined coal and many other minerals including both vanadium and uranium for many years. He has done much contracting and construction work.

References will be furnished if necessary to establish his qualifications for handling this work.

6. Estimate of Costs:

(a)	Independent Contracts:	
	4626 ft. of hole at $1.15 per ft.	$5,318.75
	Cost of moving equipment	250.00
(b)	Labor, Supervision, Consultants:	
	1 - Supervisor at $300.00	300.00
(c)	Operating supplies, materials, etc.	300.00
		$6,168.75

7. We propose to furnish our share of the costs by furnishing the supervision, the camp, operating supplies, and transportation.

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

Mining Division
Date Rec'd
OCT 28 1953
BUREAU OF MINES
Denver, Colorado

October 26, 1953

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 3058 (Uranium), R.A.M. Mining Co., Grand Discovery and Morrison claims, Emery County, Utah

Attached is one copy of the brochure covering the subject docket. A report on this property has been made by the Geological Survey, Grand Junction, Colorado. There was no Bureau of Mines participation.

Stephen R. Wilson

Stephen R. Wilson

Enclosure

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

October 26, 1953

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 3058 (Uranium), R.A.M. Mining Co., Grand Discovery and Morrison claims, Emery County, Utah

Attached is one copy of the brochure covering the subject docket. A report on this property has been made by the Geological Survey, Grand Junction, Colorado. There was no Bureau of Mines participation.

Stephen R. Wilson
Stephen R. Wilson

Enclosure

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. 3058
Metal or Mineral
Date Received
Estimated Cost
Participation (Government %)

INSTRUCTIONS

1. *Name of applicant.*—(*a*) State here your full legal name, in the form in which you will wish to contract, and your mailing address: R.A. M. Mining Company
302 Main
Grand Junction, Colorado

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

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

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

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

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

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

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

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

(*e*) If you own the land, describe any liens or encumbrances on it None

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

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

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

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

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

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

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

Uranium

(*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 ....14.... days and be completed within ....12.... 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 ....May 21...., 195[illegible]

.....R. A. M. Mining Company.....
(Applicant)

By .....Frank Foley Jr.....

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

R.A.M. Mining Company
302 Main
Grand Junction, Colorado

Supplemental Data

1.b A partnership organized in the State of Colorado

d. George Foy — Route 3 Grand Junction, Colorado
Frank Nisley Jr — " " " "
Sam Courtney — 435 North Ave, Grand Junction, Colo
Hays Wilson — Rifle, Colorado
J. D. Dillard — 302 Main, Grand Junction, Colo

3. Property Rights:

(a) The property rights consist of unpatented mining claims lying in Twp. 22 and 23 S, Range 15 E, S.L.M.

(c) The claims were taken up by Sam Courtney, Frank Nisley, Jr., and Hays Wilson, all stock holders.

(e) There are no liens nor encumbrances on the property.

(f)

Name of Claims:		Ins. #	Book	Page	County Recorded
Grand Discovery	1	81287	J-11	325	Emery, Utah
	2	81288	"	326	
	3	81289	"	327	
	4	81290	"	328	
	5	81291	"	329	
Morrison	1	81777	"	425	
	2	81778	"	425	
	3	81779	"	426	
	4	81780	"	426	
	5	81781	"	427	
	6	81782	"	427	
	7	81783	"	428	
	8	81784	"	428	
	9	81785	"	429	
	10	81786	"	429	
	11	81787	"	430	

4. Physical Description:

(a) The claims lie on a relatively flat Morrison Bench with ore showings to the surface in several places.
Pits: A few pits have been opened where the ore comes to the surface and assays taken from these pits have run from .30 to .60 U_3O_8.

(b) We have shipped no ore from this property as yet.

(c) The ore taken from the pits consists mostly of mineralized carbons which do not carry much vanadium. We do not believe these carbons are in place as they seem to have washed in to seams in the rock and are scattered in the top soil over the rock. We believe the Morrison has erroded down almost to the ore beds in most places and in some places have weathered through the ore beds, the water carrying the carbons from the ore beds into the low spots where we now find it concentrated. There are other mines near this property that are mining ores found in lenses, rolls, etc. The A.E.C. have shown this area on their analogy maps having picked it

R.A.M. Mining Company
302 Main
Grand Junction, Colorado

Supplemental Data

up by air-borne instruments as have we. We believe that bodies of ore suitable for shallow mining can be picked up by very shallow wagon drilling.

(d) Equipment can be moved at the present time over the area we wish to have drilled without road building being necessary. This property is also about 20 miles from Greenriver, Utah.

(e) We have the necessary manpower, materials, supplies, etc. except for a wagon drill which we propose to lease.

5. (b) We propose to drill this property on 300 ft. centers to start with, and close in to 100 ft. centers and 25 ft. centers where ore bodies are found. We propose to drill about 185 holes and believe that the holes will not average over 25 ft.

(d) Mr. Hays Wilson, a part owner, will be in charge of the operations. He and Frank Nisley, operated a vanadium mill at Gateway, Colorado, from 1940 to 1944. Part of this time the plant had a contract to produce Vanadic Acid for the Metal Reserve Company. Mr. Wilson had mined coal and many other minerals including both vanadium and uranium for many years. He has done much contracting and construction work.

References will be furnished if necessary to establish his qualifications for handling this work.

6. Estimate of Costs:

(a)	Independent Contracts:	
	4626 ft. of hole at $1.15 per ft.	$5,318.75
	Cost of moving equipment	250.00
(b)	Labor, Supervision, Consultants:	
	1 - Supervisor at $300.00	300.00
(c)	Operating supplies, materials, etc.	300.00
		$6,168.75

7. We propose to furnish our share of the costs by furnishing the supervision, the camp, operating supplies, and transportation.

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

224 New Customhouse
Denver 2, Colorado

October 16, 1953.

Memorandum

To: Administrator, Defense Minerals Exploration Administration
Attention: 200

From: Field Team, Region IV

Subject: Geologic Report of Examination - DMEA Docket 3058 (Uranium), R. A. M. Mining Company, Grand Discovery & Morrison Claims, Emery County, Utah.

Enclosed are four copies of the Geologic Report of Examination on the subject docket, a copy of the letter of denial to the applicant, and two copies of Form 3b.

John F. Shaw
John F. Shaw
For W. E. King

E. N. Harshman
for A. H. Koschmann

Enclosures

RMC:cwn

cc: SRWilson w/copy of Geologic Report of Examination
RPFischer w/copy of Geologic Report of Examination
ENGordon w/copy of Geologic Report of Examination
AHKoschmann w/copy of Geologic Report of Examination
DMEA w/copy of Geologic Report of Examination
Mining Division w/copy of Geologic Report of Examination
Docket
AHKoschmann (2)
Chron.

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

WASHINGTON 25, D.C.
200 New Customhouse
Denver 2, Colorado

October 12, 1953

Memorandum

To: DMEA Field Team, Region IV

From: A. H. Koschmann

Subject: DMEA Docket 3058, R.A.M. Mining Company, Grand Discovery and Morrison claims, Emery County, Utah

Enclosed are 11 copies of the geologic report by Irving J. Witkind of the U. S. Geological Survey covering the above docket.

It has been recommended that the loan be denied.

A. H. Koschmann
A. H. Koschmann
Supervising Geologist
Colorado-Wyoming

Enclosures (11)

U. S. DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
P. O. Box 360
GRAND JUNCTION, COLORADO

October 6, 1953

Memorandum

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

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

Subject: DMEA 3058, R. A. M. Mining Co., Grand Discovery and Morrison claims, Emery County, Utah

Transmitted herewith are eleven copies of a geologic report on the Grand Discovery and Morrison claims, R. A. M. Mining Co., Emery County, Utah. The company applied for assisatance to do 4,626 feet of exploratory drilling for uranium deposits; costs are estimated to total $6,168.75.

The attached report was prepared by I. J. Witkind and is based on a field examination made September 4 in company with Frank Nisley, Jr., representing the applicant.

On the basis of field observations and grab samples, Witkind concludes that any deposit that might be discovered on the claims would be small and mostly low in grade, and for these reasons he recommends that the application be denied.

R P Fischer

R. P. Fischer
Acting District Supervisor
Colorado Plateau District

Enclosures (11)

RPF/mlr

OCT 1953
RECEIVED
U.S. Geological Survey
Mineral Deposits Branch
Denver

UNITED STATES DEPARTMENT OF THE INTERIOR
DOUGLAS McKAY, SECRETARY

DEFENSE MINERALS EXPLORATION ADMINISTRATION
REPORT OF EXAMINATION BY FIELD TEAM
REGION IV

DMEA DOCKET 3058 (Uranium)

THE R. A. M. MINING COMPANY GRAND DISCOVERY AND MORRISON CLAIMS, EMERY COUNTY, UTAH

Geologic report

By Irving J. Witkind
U. S. Geological Survey

THE R. A. M. MINING COMPANY
GRAND DISCOVERY AND MORRISON CLAIMS
EMERY COUNTY, UTAH

INTRODUCTION AND SUMMARY

The R. A. M. Mining Company of Grand Junction, Colo., has applied (Docket 3058) to the Defense Minerals Exploration Administration for assistance to explore for uranium in Emery County, Utah. The applicant proposes to drill 4,626 feet of hole, which, with incidentals, is estimated to cost $6,168.75.

The property was examined on September 4, 1953, in company with W. R. Barton of the Geological Survey and Mr. Frank Nisley, Jr., an executive of the R. A. M. Mining Company.

The Grand Discovery and Morrison claims consist of a total of 15 claims in secs. 7, 8, 17 and 18, T. 23 S., R. 15 E., Salt Lake Principal Meridian. The claims are about 5 miles east of Utah highway 24 and 15 miles southwest of Green River, Utah. The property is easily accessible over an unimproved dirt road. Parts of the road would require grading if ore were to be transported from the claims.

The mineralized rock is in uppermost sandstone of the Salt Wash member of the Morrison formation, and consist principally of pods of carbonaceous material in a coarse- to medium-grained sandstone. No uranium minerals were observed and it is concluded that chance of making a significant discovery of uranium ore on these claims is poor. It is recommended, therefore, that this application be denied.

GEOLOGY

The claims are about 10 miles east of the northeast flank of the San Rafael Swell, and are on one of the broad benches that forms the western part of the Green River desert. In this general region consolidated sedimentary strata of Jurassic age are exposed. In the area immediately adjacent to the claims the Summerville formation is exposed in the floors of the tributary canyons to the San Rafael river. Overlying the Summerville are the massive sandstones and claystones of the Morrison formation.

The basal sandstones of the Morrison formation comprise the Salt Wash member, and it is this unit that forms a broad bench on which the claims are situated. The strata strike N. 62° W., and dip about 2½° to the north.

The host rock in this immediate area for economic concentrations of uranium minerals is the Salt Wash member of the Morrison formation. The Salt Wash is a light tan coarse-grained sandstone that ranges in thickness from 50 feet to as much as 100 feet. It is composed of irregularly bedded medium- to coarse-grained gray sandstone. Locally it is interbedded with lenses of conglomeratic sandstone as well as red and gray mudstone. The Salt Wash unconformably overlies the red-brown regularly bedded shaly siltstones of the Summerville formation.

ORE DEPOSITS

The mineralized outcrops are in uppermost sandstone of the Salt Wash member of the Morrison formation. Three mineralized exposures were noted on the broad Salt Wash bench formed. All three exposures are within the confines of the Grand Discovery no. 3 claim. Since the filing of the application, the claims have been restaked. The correct numbering system of the claims is shown in figure 1. The mineralized exposures were examined for the presence of observable uranium minerals and tested for abnormal radioactivity with a Precision Scintillator, Model III. In none, however, were uranium minerals observed; all abnormal radioactivity appeared to be associated with thin pod-like seams of carbonaceous material scattered irregularly in the sandstone. The highest count obtained was 1.0 MR per hour; normal background for the area was .02 MR per hour.

The three mineralized exposures formed a triangle as shown in figure 2. Of the three exposures examined, all had been deepened and widened by digging. The largest exposure was at point B, and consisted of a pit about 20 feet long, about 5 feet wide, and about 3 feet deep. The other two exposures consisted of smaller pits about 4 feet long, 5 feet wide and about 3 feet deep.

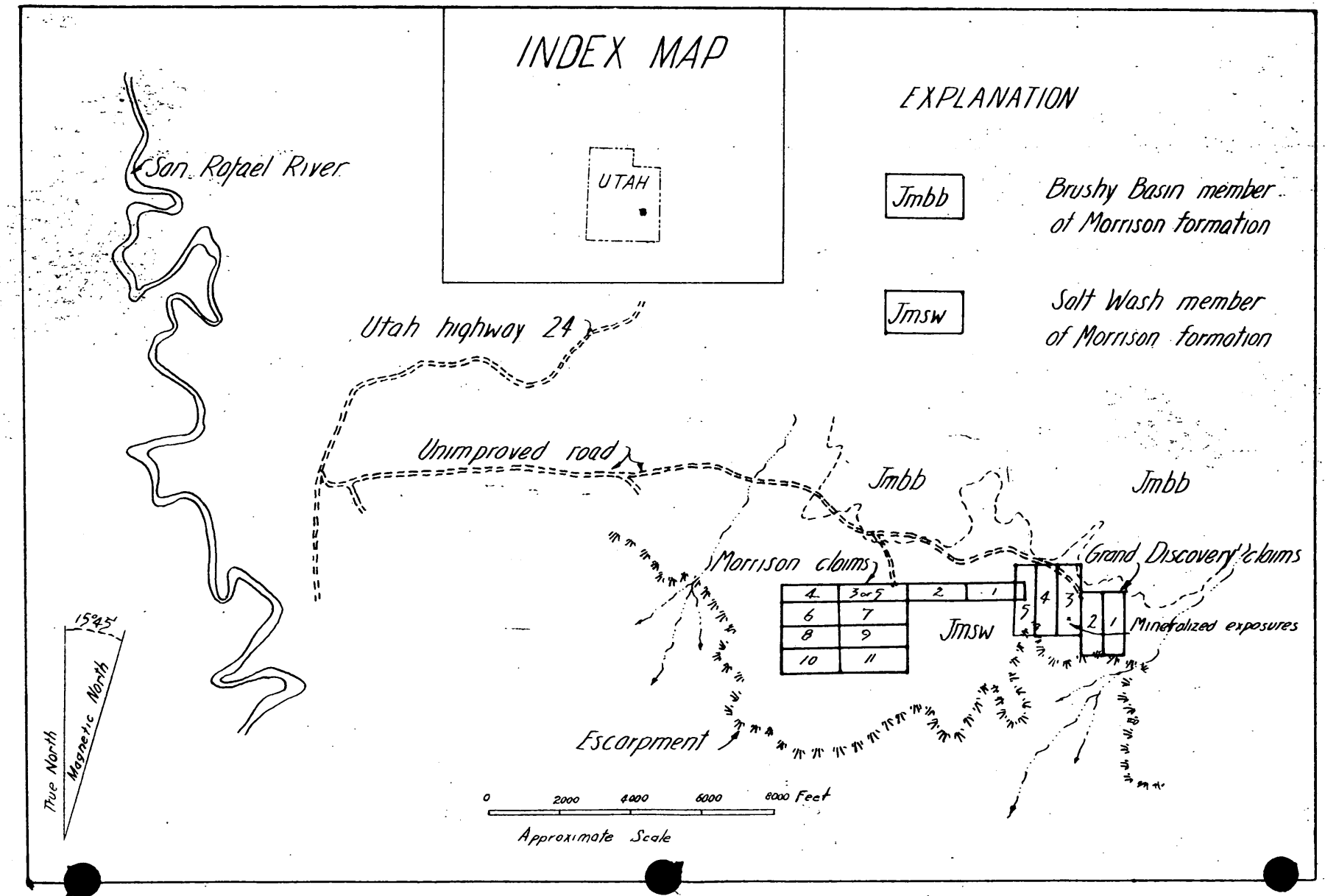


Figure 1. LOCATION OF GRAND DISCOVERY AND MORRISON CLAIMS, EMERY COUNTY, UTAH

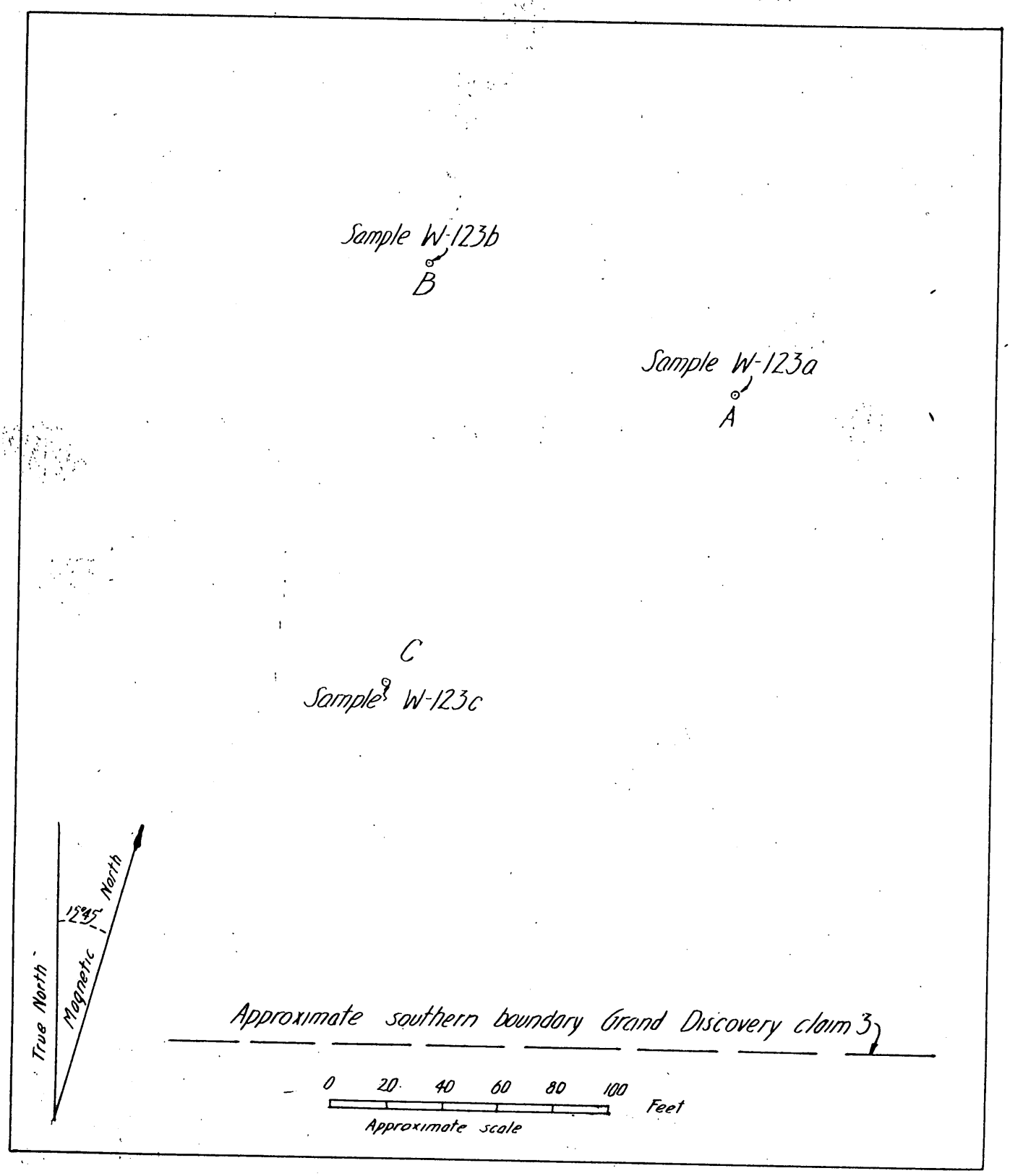


Figure 2. LOCATION OF PROSPECT PITS, GRAND DICCOVERY CLAIM NO. 3

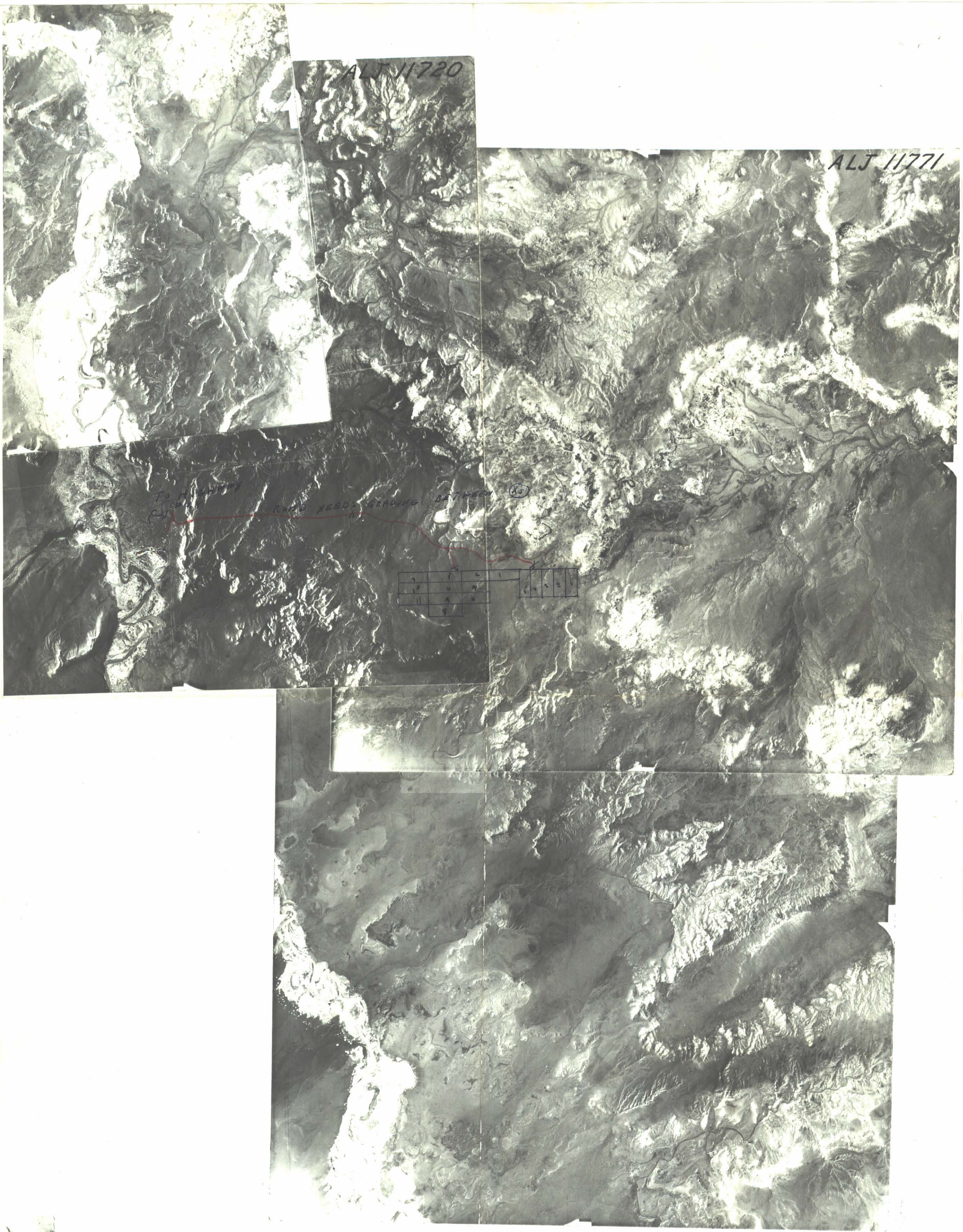
Samples were collected from each prospect pit and were submitted for analysis on September 11, 1953. Results are presented below:

Field no.	U_3O_8%	V_2O_5 %	$CaCO_3$%
W-123a	0.014	0.02	3.4
W-123b	0.338	0.02	4.45
W-123c	0.067	0.03	18.9

The low uranium concentration shown by two of the samples suggests that the carbonaceous material is erratically mineralized. Further, the lateral extent of the masses of carbonaceous material is probably very small, and their distribution most irregular. On the basis of these reasons as well as the general unfavorable appearance of the area, it would appear that this area does not conceal an important deposit of uranium ore.

CONCLUSIONS AND RECOMMENDATIONS

It is concluded that the Grand Discovery and Morrison claims do not offer much promise for the discovery of significant deposits of uranium ore, and that any deposit discovered would be small and mostly low grade. It is recommended, therefore, that this application be denied.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