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

February 24, 1954

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

Final Field Team Report, DMEA Docket 3206 (Uranium), Howard R. Staker, applicant, Huntington, Utah; Conrad Claims, Red Canyon, 25 miles west of Temple Mountain, Emery County, Utah

The Field Team Report on the results of the examination of the property identified above has been reviewed. The applicant's request for DMEA assistance was denied in Region IV.

Comment

The geologist examiner found that uranium-bearing material on the claims consisted mainly of carbonized fragments erratically distributed in sandstone of the basal bed of the Shinarump conglomerate. The rock itself does not contain any commercial ore. The amount of uranium-bearing carbonized wood on the Conrad claims does not appear to be sufficient to bring the accompanying rock up to ore grade and nearby mines have shipped only small quantities of marginal ore. For these reasons, it was concluded that the Conrad claims do not offer much promise for the discovery of significant deposits of uranium ore and that any discovery would be small and of low grade. Denial of the application was therefore recommended.

Conclusion

I concur with the recommendation of the examining member of the Field Team and the action of the Field Team in denying the application.

Copies to: E. Wm. Ellis (2)

RECEIVED

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

February 24, 1954

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

Final Field Team Report, DMEA Docket 3206 (Uranium), Howard R. Staker, applicant, Huntington, Utah; Conrad Claims, Red Canyon, 25 miles west of Temple Mountain, Emery County, Utah

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Copies to: E. Wm. Ellis (2)

STANDARD FORM NO. 64

Office Memorandum • UNITED STATES GOVERNMENT

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

DATE: February 24, 1954

DEPARTMENT OF THE INTERIOR
RECEIVED
FEB 26 1954

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

SUBJECT: Final Field Team Report, DMEA Docket 3206 (Uranium), Howard R. Staker, applicant, Huntington, Utah; Conrad Claims, Red Canyon, 25 miles west of Temple Mountain, Emery County, Utah

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Arthur P. Butler, Jr.

Copies to: E. Wm. Ellis (2)

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

COPY

224 New Customhouse
Denver 2, Colorado

January 28, 1954.

Memorandum

To: Administrator, Defense Minerals Exploration Administration
Attention: 200

From: Field Team, Region IV

Subject: Report of Examination - DMEA Docket 3206 (Uranium), Howard R. Staker, Contrad claims, Emery County, Utah.

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

/s/ W. H. King

/s/ A. H. Koschmann

Enclosures

Reviewed by
DMEA OPERATING COMMITTEE
2-12-54
(date)

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

COPY

224 New Customhouse
Denver 2, Colorado

January 28, 1954.

Mr. Howard R. Staker
Box 401
Huntington, Utah

Re: Docket No. DMEA-3206

Dear Mr. Staker:

Reference is made to your application for Government aid on the Conrad 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 mineable 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,

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

/s/ A. H. Koschmann
Field Team, Region IV

HMC:cwm

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

Reviewed by
DMEA OPERATING COMMITTEE
2-12-54
(date)

IN REPLY REFER TO:

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

December 22, 1953

Memorandum

To: DMEA Field Team, Region IV

From: A. H. Koschmann

Subject: DMEA Docket 3206, Conrad Claims, Emery County, Utah

Attached are 11 copies of the geologic report by R. C. Roebeck of the U. S. Geological Survey covering the above docket.

It has been recommended that the application be denied.

E. N. Harshman
per A. H. Koschmann
Supervising Geologist
Colorado-Wyoming

Enclosures (11)

Reviewed by
DMEA OPERATING COMMITTEE
2-12-54
(date)

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

December 21, 1953

Memorandum

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

From: R. P. Fischer
Colorado Plateau District Office

Subject: DMEA 3206, Conrad claims, Emery County, Utah

Transmitted herewith are eleven copies of a geologic report on the Conrad claims of Howard R. Staker, Emery County, Utah. The applicant proposes to drive 300 feet of drift to explore for uranium. Total cost is estimated to be $6,950, of which the Government's share would be $5,450.

The attached report was prepared by R. C. Robeck and is based on a joint examination on November 18 with W. E. Young, Bureau of Mines.

On the basis of the production record of nearby deposits, samples obtained from the Conrad claims, and geologic relations, it is concluded that the Conrad claims do not offer much promise for the discovery of significant deposits of uranium, and for that reason it is recommended that the application be denied.

I concur with the conclusions and recommendations.

R. P. Fischer

R. P. Fischer
Acting District Supervisor

Enclosures (11)

RPF/mlr

cc: S. R. Wilson

Reviewed by
DMEA OPERATING COMMITTEE

2-12-54
(date)

UNITED STATES
DEPARTMENT OF THE INTERIOR
DOUGLAS McKAY, SECRETARY

DEFENSE MINERALS EXPLORATION ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM
REGION IV

DMEA DOCKET 3206, The Conrad Claims

Emery County, Utah

Uranium

Geologic Report

R.C. Roebeck
U. S. Geological Survey

December 21, 1953

Reviewed by
DMEA OPERATING COMMITTEE

2-12-54
(date)

DMEA 3206

THE CONRAD CLAIMS
EMERY COUNTY, UTAH

INTRODUCTION AND SUMMARY

The owners of the Conrad claims have applied (Docket 3206) to the Defense Minerals Exploration Administration for assistance to explore for uranium in Emery County, Utah. The applicant (Howard R. Staker) proposes to spend a total of $6,950.00, of which $250 is for road work; the rest is for driving 300 feet of drift. The applicant would use his own equipment and supervise the work. This would reduce the amount of the Government's contribution to $5,450.00.

The property was examined on November 18, 1953, in company with W. E. Young of the U. S. Bureau of Mines.

The Conrad claims consist of three claims located about 25 miles by road west of Temple Mountain. The claims were easily reached by car, but the road is in the bottom of Red Canyon wash for several miles and thus impassable during times when water is flowing. Any road improvements would be subject to severe erosion by large flash floods.

The mineralized sediments are in the basal beds of the Shinarump conglomerate and consist principally of lenses and fragments of carbonized wood around or near silicified logs, emplaced in lenses of sandstone and conglomerate. Because radioactivity of equivalent intensity to appear to be of commercial importance seems to be only in the carbonized fragments, and because the amount of the fragments is limited, it is recommended that this application be denied.

GEOLOGY

The claims are on the west flank of the San Rafael Swell. Exposed rocks range from the Triassic Moenkopi to the Jurassic Navajo sandstone. All strata dip about 4° to the northwest and strike about N 60° E.

The host rock, in the area of the Conrad claims, is the Shinarump conglomerate (?). The Shinarump is a light gray conglomeratic sandstone which averages about 30 feet in thickness. Locally the Shinarump cliff is stained red by the down wash from the overlying Chinle.

At the Conrad claims, the stratigraphy in descending order is:

	Shinarump (?)
15-20'	conglomeratic sandstone cliff
3-15'(?)	Mudstone, green-gray, lenticular
0-6'	Sandstone, light gray, medium grained
0-3'	Conglomerate, light gray

channel cut 0 to 5 feet into Moenkopi

	Moenkopi
3'(?)	Mudstone, grayish-green, shaly
15' +	Siltstone, reddish, shaly

Indications are that the owners interpretation that there is a 200-foot wide channel trending N. 25° W. is reasonably correct.

ORE DEPOSITS

The mineralized outcrops are in the basal channel sediments of the Shinarump (?) conglomerate. The Shinarump-Moenkopi contact was examined for the presence of observable uranium minerals or abnormal radioactivity. In no place was uranium minerals observed; all abnormal radioactivity detected by the geiger counter appeared to be associated with thin pod-like seams of carbonized wood scattered irregularly in the sandstone or basal conglomerate or surrounding the silicified logs. The highest count obtained was 4.0 mr per hour on some carbonized wood. The highest count of 0.7 mr on rock was obtained in the basal conglomerate. The background inside the drift was 0.4 mr. The background outside the drift was 0.015 mr.

Four samples were taken in places and in methods which correspond with those taken by the applicant. The results as shown in the table on the map (fig. 1) verify the owner's statement that there is no commercial ore showing.

Small uranium mines nearby have shipped small quantities of marginal ore, but no ore was shipped from the Conrad claims during the process of exploration, possibly because the material is not of high enough grade to be shipped at a profit.

Sample analyses and outcrop examination show that the rock as such does not contain any commercial ore. The uranium appears to be only in the carbonized wood, which is irregularly scattered through the rock. The amount of carbonized wood so far mined has not been great enough to bring the accompanying rock up to ore quality.

The shipper probably would be penalized for the high $CaCO_3$ content, and probably would not receive much additional payment because of the low vanadium content.

These various facts and probabilities indicate that commercial ore does not exist in the area outlined for prospecting.

CONCLUSIONS AND RECOMMENDATIONS

It is concluded that the Conrad claims do not offer much promise for the discovery of significant deposits of uranium ore, and that any discovery that might be made would be small and of low grade. The available tonnage of carbonized wood would not justify the expense of mining. It is recommended, therefore, that this application be denied.

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
FEB -8 1954

224 New Customhouse
Denver 2, Colorado

January 28, 1954.

Memorandum

To: Administrator, Defense Minerals Exploration Administration
Attention: 200

From: Field Team, Region IV

Subject: Report of Examination - DMEA Docket 3206 (Uranium), Howard R. Staker, Conrad claims, Emery County, Utah.

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

W. H. King
W. H. King

A. H. Koschmann
A. H. Koschmann

Enclosures

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

224 New Customhouse
Denver 2, Colorado

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Enclosures

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

224 New Customhouse
Denver 2, Colorado

January 28, 1954.

Mr. Howard R. Staker
Box 401
Huntington, Utah

Re: Docket No. DMEA-3206

Dear Mr. Staker:

Reference is made to your application for Government aid on the Conrad 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 mineable 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,

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

HMC:cwm

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

A. H. Koschmann
A. H. Koschmann
Field Team, Region IV

IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Defense Minerals Exploration Administration
Denver Federal Center
Denver 2, Colorado

December 22, 1953

Memorandum

To: DMEA Field Team, Region IV

From: A. H. Koschmann

Subject: DMEA Docket 3206, Conrad Claims, Emery County, Utah

Attached are 11 copies of the geologic report by R. C. Roebeck of the U. S. Geological Survey covering the above docket.

It has been recommended that the application be denied.

E. N. Hauchman
for A. H. Koschmann
Supervising Geologist
Colorado-Wyoming

Enclosures (11)

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

December 21, 1953

Memorandum

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

From: R. P. Fischer
Colorado Plateau District Office

Subject: DMEA 3206, Conrad claims, Emery County, Utah

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R. P. Fischer
Acting District Supervisor

Enclosures (11)

RPF/mlr

cc: S. R. Wilson

UNITED STATES
DEPARTMENT OF THE INTERIOR
DOUGLAS McKAY, SECRETARY

DEFENSE MINERALS EXPLORATION ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM
REGION IV

DMEA DOCKET 3206, The Conrad Claims

Emery County, Utah

Uranium

Geologic Report

R.C. Roebeck
U. S. Geological Survey

December 21, 1953

DMEA 3206

THE CONRAD CLAIMS
EMERY COUNTY, UTAH

INTRODUCTION AND SUMMARY

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Moenkopi

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

November 9, 1953

Memorandum

To: Executive Officer, DMEA Field Team, Region IV

From: Chief, Operation's Control and Statistics Division

Subject: Assignment of Docket Number DMEA-3206

There is listed below the assigned docket number to an application recently received from Region IV .

DMEA-3206 Howard R. Staker

ROBERT E. ADAMS

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

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
NOV 9 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-3206
Metal or Mineral
Date Received 11-9-53
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: Howard N. Stoker, Box 401, Huntington, Utah
Partners:
Lyman Stoker, Martin H. Cullum, Huntington, Utah
Wallace G. Jensen, Sunnyside, 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. This property is on unsurveyed public domain. Includes three claims; Conrad No. 1, Bk J-8 pg. 565, Conrad No. 2, Bk J-8 pg. 566 and Conrad No. 3, Bk J-10 pg. 392. Located in Red Canyon, San Rafael Swell, Emery County, Utah, and recorded in Castle Dale, Utah.

(*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. Owner-operator
(The above names include all claim holders herein).

(*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 .....

(*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 November 3, 1953

(Applicant)

By Howard R. Staker

Howard R. Staker

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

Howard R. Stalker
Huntington, West Virginia

DEPARTMENT OF THE INTERIOR
Bureau of Mines
RECEIVED
NOV 1 1952

EQUIPMENT TO BE USED
(Owned by applicant)

1 - 160 cu. ft. compressor in very good condition. Rental value estimated at $175.00 per month

1 - 3/4 ton Dodge Power Wagon, good condition value $500.00
2 - Jackhammers and legs .....value $1000.00
Hoses, 500 ft. 3/4 inch pipe and small tools.....value 225.00
(Small tools include shovels, hammers, tamps, wrenches etc)

ESTIMATED TOTAL COSTS

Supervision and accounts @ $400.00 per month for 1/3 time for 4 mo.	$ 532.00
Miner and Loader @ $10.00 per ft.	3000.00
Compressor Use @ $175.00 per Mo. for 4 Mo.	700.00
Jackhammer, legs, Hose and small tools (use only)	225.00
Truck use, for water and supplies	175.00
Truck (200 ft.) and car. (available also, used in good condition) and tics ..	225.00
Fuel and oil	600.00
Powder, Caps and fuse	375.00
Drill Steel and bits .....(hard rock)	300.00
Pipe for Air	68.00
Total drift cost ----------	$ 6700.00
500 ft. of Bulldozer work @ $14.00 per hr.-Approx	$ 250.00
Grand total cost of Project.	$ 6950.00
To be contributed by applicant	$ 695.00
To be contributed by government	$ 6255.00

The applicant is willing to furnish all machinery owned by him and supervision necessary, if the government will furnish the remainder plus $132.00 for bookkeeping and a miscellaneous expense.

Which would make the amount necessary for the government to contribute ..... ~~$2,400.00~~ ... $6150.00

H[illegible]rd R. Staker
Huntington, Utah

Plenty of ma npower is available at Huntington, Castle Dale or Cleveland, Utah. Water for camp purposes will have to be hauled from Huntington, a lse gasoline and oil. Wa ter for drilling purposes can be ha uled from ponds nearby most of the time a nd any time from the Muddy River, about 6 miles to the south.

The proposed work to be done consists of one drift 200 feet a long the course of the cha nnel a s shown on the "Detail Map" along with cross-cuts of about 25 feet ea ch a t interva ls of 5o feetalong the course of the drift and a lternating from each side as shown on the map, or a total of 300 feet of drift. The drift is to follow a long the contact of the shinarump which has a dip of about 4 to 7 degrees from the surfa ce.

The applicant desires to obtain a loan to be paid on a footage basis, monthly, in order to carry out the proposed plan. The applicant dows not feel that he can put forth more tha n one months work of the progra m without receiving assista nce to carry on the next month. In just plain la ngua ge, if the goverment will only pay its share when the project is completed, a loa n would be of no value. The cost per foot has been estima ted as shown in the attached estimate to be $ 22.33 . The total cost being $ 6950 .

In order to have better access to the workings, the applicant proposes to build, by hiring a bulldozer, about 500 feet of road which is shown separately from the cost of drift work per foot and is included in the total cost of project.

The a pplicant proposes to supervise the proposed work throughout. I have had one and one-half years ofdevelopment work and mining experience with Silver King Mines, a nd Park Uta h Con. Mines in Park City, Utah. Two and one-half years of Uranium mining experience with Ferron Uranium Mining Co. And one year in a coal mine.

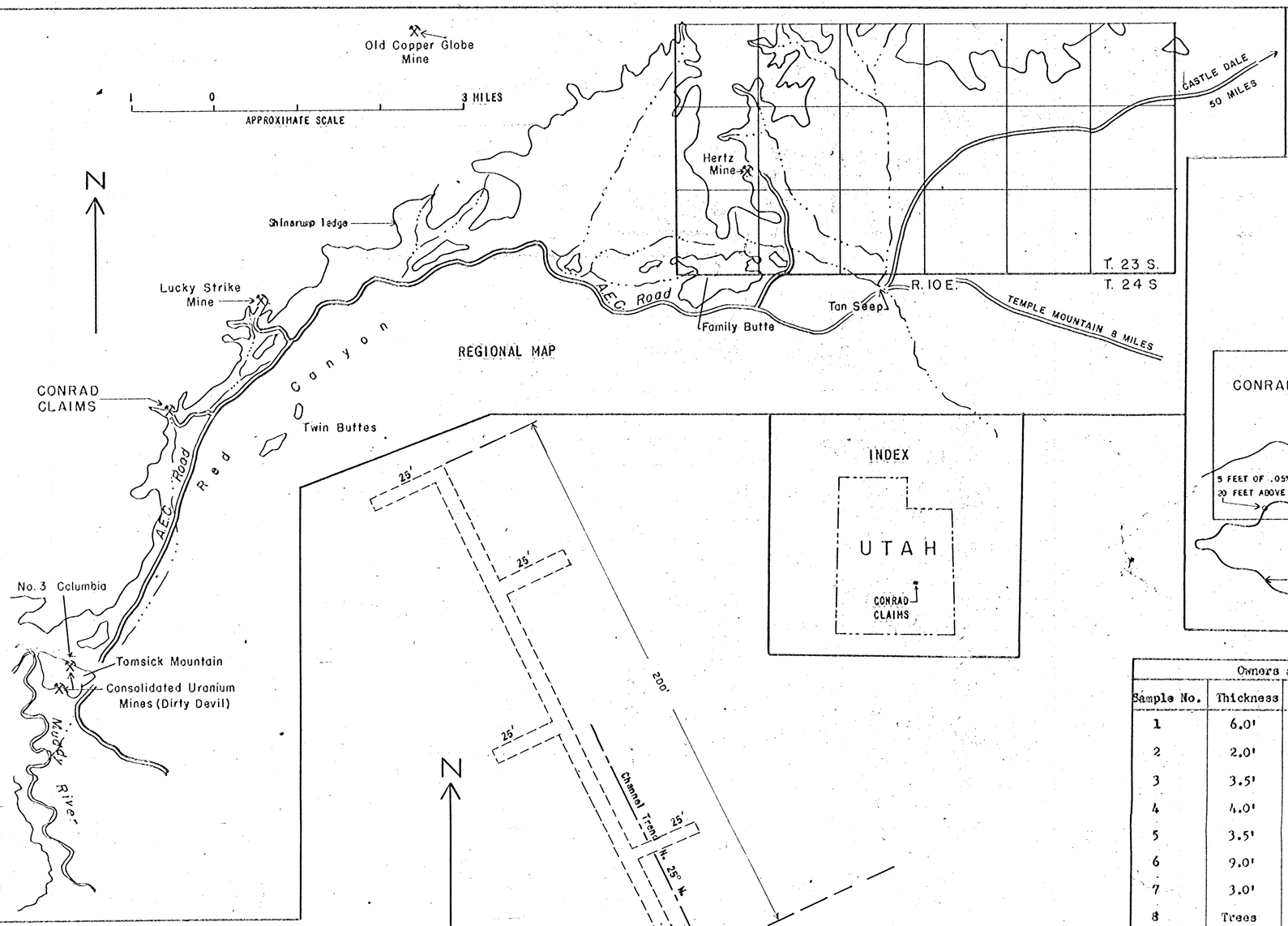
The a pplicant proposes to furnish his sha re of the expense through use of equipment and supervision.

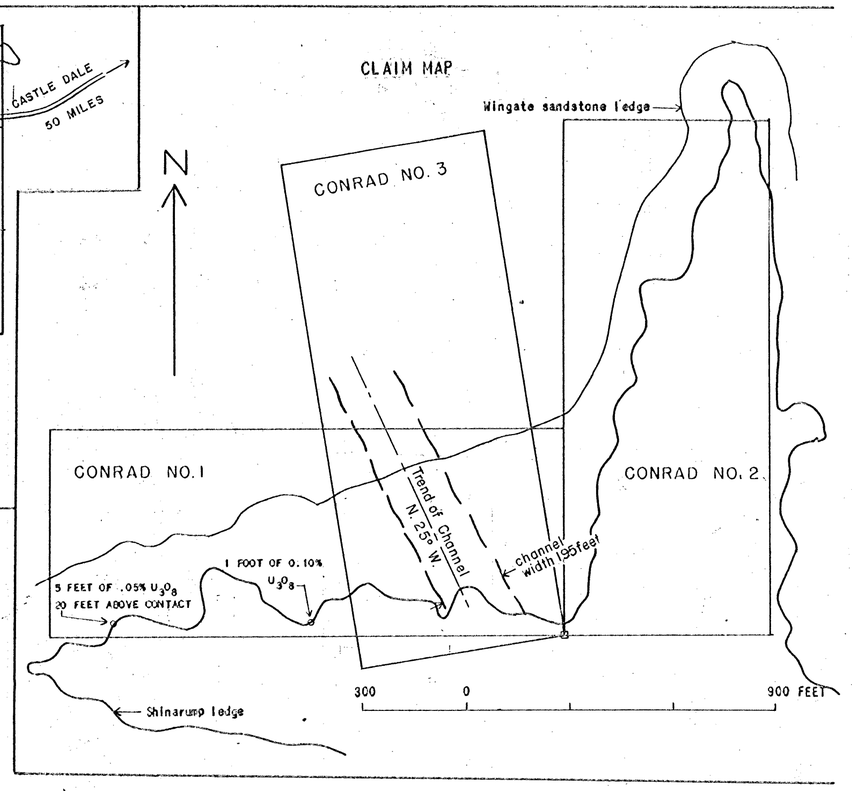
The shipper probably would be penalized for the high $CaCO_3$ content, and probably would not receive much additional payment because of the low vanadium content.

These various facts and probabilities indicate that commercial ore does not exist in the area outlined for prospecting.

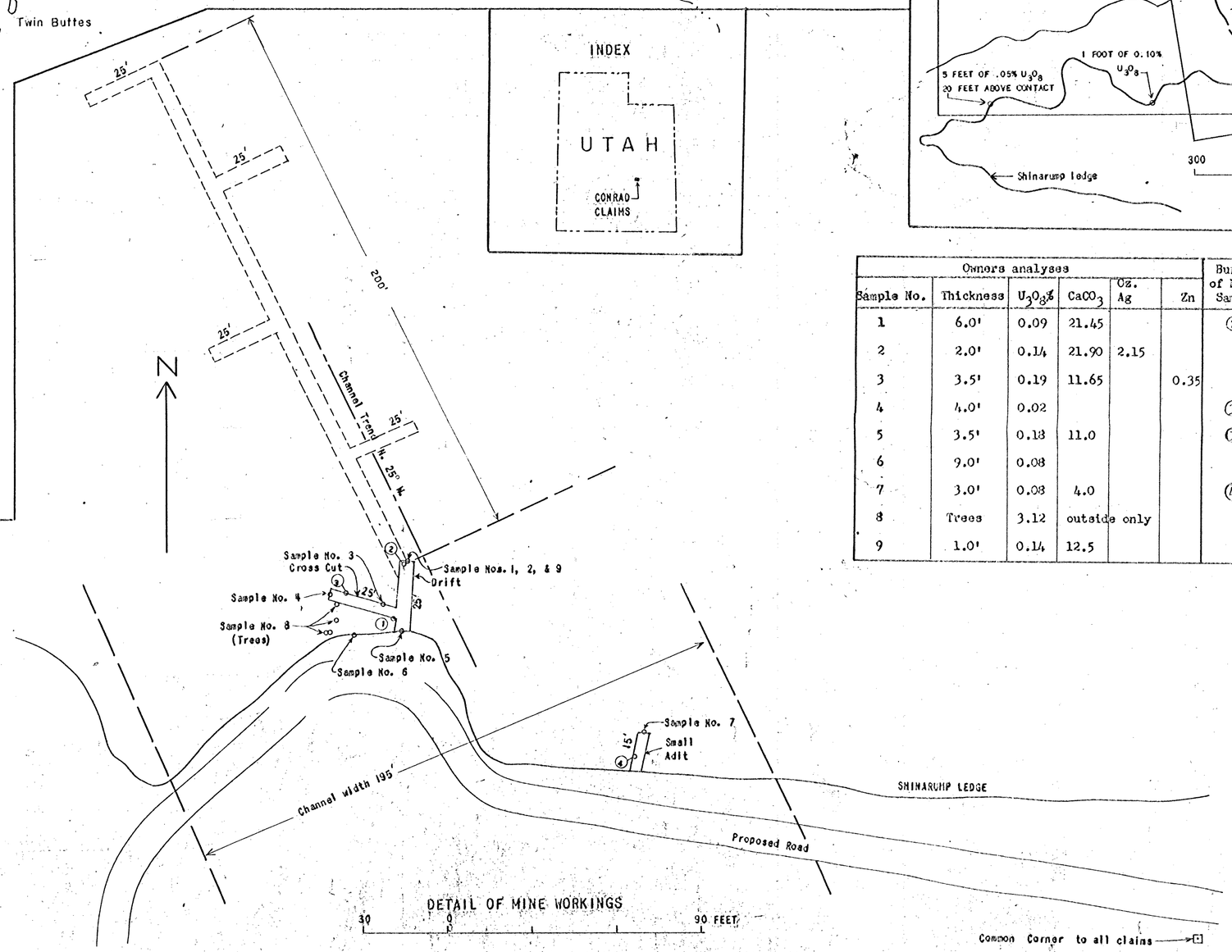
CONCLUSIONS AND RECOMMENDATIONS

It is concluded that the Conrad claims do not offer much promise for the discovery of significant deposits of uranium ore, and that any discovery that might be made would be small and of low grade. The available tonnage of carbonized wood would not justify the expense of mining. It is recommended, therefore, that this application be denied.





Owners analyses						Bureau of Mines Samples		Geiger reading on Carbon only			
Sample No.	Thickness	U_3O_8%	$CaCO_3$	Oz. Ag	Zn		Thickness		U_3O_8	V_2O_5	$CaCO_3$
1	6.0'	0.09	21.45			②	4'	1.4 m/r	0.063	0.02	17.3
2	2.0'	0.14	21.90	2.15							
3	3.5'	0.19	11.65		0.35						
4	4.0'	0.02				③	2' congl	0.4 m/r	0.069	0.04	3.75
5	3.5'	0.18	11.0			①	5'		0.127	0.05	12.5
6	9.0'	0.08									
7	3.0'	0.08	4.0			④	5'	5.0 m/r	0.074	0.02	6.25
8	Trees	3.12	outside only								
9	1.0'	0.14	12.5								



EXPLANATION

Existing drift work

Proposed drift work

Traced from owners map by
R.C. Robeck U.S.G.S. 12-1953.

CONRAD NO. 1, 2, AND 3 CLAIMS ON SAN RAFAEL SWELL, EMERY COUNTY, UTAH