DMA Form 1

DEFENSE MINERALS ADMINISTRATION
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DMA Docket No. 3597

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700

Surname copy

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

Ching
Ellis
Valin
Trace
Martin
Fleischman

MAY - 3 1955

Mr. C. H. Boswell, President
Cedar Ridge Uranium Corporation
4604 South Main, Room 217
Houston, Texas

Re: Docket No. DMEA-3597 (Uranium)
Cedar Ridge and Black Bird
groups of claims
Emery County, Utah

Dear Mr. Boswell:

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

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

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

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

Sincerely yours,

C. O. Mittendorf (for)

Administrator

MChing/gla
4-29-55
cc to: Admr.'s Reading File
Operating Committee
Docket
Messrs. J. E. Crawford, Rm. 3641
T. H. Kiilsgaard, Rm. 5224
J. O. Hosted, Rm. 3210, GSA
Code 700
Mr. Ching
DMEA Field Team, Region III (2)

R.C.S.

Ching
Ell.
Valcin
Martin

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

April 28, 1955

Summary of Proposed Project

Object: Denial of application for an exploration project.

Docket No.: DMEA-3597

Commodity: Uranium

Applicant: Cedar Ridge Uranium Corporation
4604 South Main, Room 217
Houston, Texas

Property: 29 mining claims, Cedar Ridge 1 - 17, 20, 21, and Black Bird 1 - 10, in Sec. 1, T. 18 S., R. 10 E., Sec. 36, T. 17 S., R. 10 E., sections 6 and 7, T. 18 S., R. 11 E., Emery County, Utah. Applicant is the owner through purchase.

Date of Application: November 4, 1954

Amount of Application: $132,685.00

Work Proposed: 62 core drill holes aggregating 23,900 feet to be drilled in two stages. Depth of holes expected to range from 100 to 450 feet. No definite horizon outlined as target.

Estimated Cost:

Contract drilling 23,900 ft. @ $3.00	$71,700.00
Labor, supervision, consultants	34,760.00
Other costs	16,225.00
Contingencies	10,000.00
Total	$132,685.00
Government participation @ 75%	$ 99,513.75

Field Team Report: Submitted April 8, 1955. R. C. Robeck, USGS and W. E. Young, USBM.

Only the Brushy Basin member of the Morrison formation outcrops on the subject property. The Salt Wash member is not exposed but is probably present under a 500-foot thickness of Brushy Basin sediments.

Applicant wishes to drill through the Brushy Basin into the Salt Wash, but no specific objectives in the latter member were identified. Since there is no geologic evidence of favorable objectives in the Salt Wash on this property the proposed work appears to be "wildcat" in nature. While earlier exploration on the property disclosed uranium mineralization near the top of the Brushy Basin such occurences are believed to be too spotty and erratic to warrant further exploration. Recommendation made to deny the application.

Commodity Committee Members' Comments:

Geological Survey - R. D. Trace - April 20, 1955

No uranium is known to occur in the Salt Wash in this area. As there is no target for exploration, concurs with the Field Team that application should be denied.

Bureau of Mines - John E. Crawford - April 21, 1955

Discussed with AEC representative. Concurs with Field Team's recommendation for denial.

Rare and Miscellaneous Metals Division - Michael Ching - April 28, 1955

Small, erratic, near-surface occurrences of uranium in the Brushy Basin member of the Morrison formation, apparently encouraged Applicant to believe that significant ore deposits could be found in depth. The comparatively deep drilling required to reach the ore bearing Salt Wash member, and the lack of favorable geological factors, places the proposed exploration in the "wildcatting" category.

Conclusions and Recommendations:

The property contains no evidence of favorable potentialities, and the proposed exploration would be hazardous and costly. It is recommended that the application be denied.

Ernest Wm. Ellis

Ernest Wm. Ellis, Chief
Rare and Miscellaneous
Metals Division

4/22/55 gla

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

RECEIVED
APR 22 1955

April 21, 1955

Memorandum

To: Ernest William Ellis, DMEA Member
Uranium Commodity Committee

From: Bureau of Mines Member
Uranium Commodity Committee

Subject: Field Team report of examination, DMEA Docket 3597, Cedar Ridge Uranium Corporation, Emery County, Utah

I have reviewed the Field Team report of examination, DMEA Docket 3597, Cedar Ridge Uranium Corporation, Emery County, Utah; and I have discussed it with Joseph O. Hosted, Washington representative of the Atomic Energy Commission.

We concur with the Field Team's recommendation that the application for assistance be denied.

The report is being forwarded to the Chief, Division of Minerals, in accordance with the routing slip attached thereto.

John E. Crawford

John E. Crawford

April 21, 1955

Memorandum

To: Ernest William Ellis, DMEA Member
Uranium Commodity Committee

From: Bureau of Mines Member
Uranium Commodity Committee

Subject: Field Team report of examination, DMEA Docket 3597, Cedar Ridge Uranium Corporation, Emery County, Utah

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We concur with the Field Team's recommendation that the application for assistance be denied.

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John E. Crawford

JECrawford:ds
Copy to: Division of Minerals
Branch of Rare and Precious Metals
J. O. Hosted (2)
J. E. Crawford (2)
F I L E S

4/20/55 gla

IN REPLY REFER TO:

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
APR 20 1955

April 20, 1955

Re: DMEA-3597
Cedar Ridge Uran. Corp.
Emery Co., Utah
$132,685 - Uranium

Memorandum

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

From: R. D. Trace, U. S. Geological Survey

Subject: Review of Field Team report

The applicant proposes to drill for uranium in the Salt Wash. No uranium is known to occur in this member in the area, although a few small pods have been found in the overlying Brushy Basin.

As there is no target for exploration, I concur with the Field Team and recommend that the application be denied.

Bob Trace
R. D. Trace

IN REPLY REFER TO:

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
APR 20 1955

April 20, 1955

Re: DMEA-3597
Cedar Ridge Uran. Corp.
Emery Co., Utah
$132,685 - Uranium

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As there is no target for exploration, I concur with the Field Team and recommend that the application be denied.

R. D. Trace

Copy to: DMEA (3)

IN REPLY REFER TO:

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

Defense Minerals Administration
RECEIVED
APR 20 1955

April 20, 1955

Re: DMEA-3597
Cedar Ridge Uran. Corp.
Emery Co., Utah
$132,685 - Uranium

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As there is no target for exploration, I concur with the Field Team and recommend that the application be denied.

R. D. Trace

Copy to: DMEA (3)

IN REPLY REFER TO:

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

DEPARTMENT OF THE INTERIOR
Bureau of Mines Administration
RECEIVED
APR 20 1955

April 20, 1955

Re: DMEA-3597
Cedar Ridge Uran. Corp.
Emery Co., Utah
$132,685 - Uranium

Memorandum

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

From: R. D. Trace, U. S. Geological Survey

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As there is no target for exploration, I concur with the Field Team and recommend that the application be denied.

R. D. Trace

Copy to: DMEA (3)

4/20/55 gla

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

224 New Customhouse
Denver 2, Colorado

April 8, 1955

Memorandum

To: Secretary to the Operating Committee, D.M.E.A.

From: D.M.E.A. Field Team, Region III

Subject: Report of Examination, DMEA Docket 3597 (Uranium), Cedar Ridge Uranium Corporation, Emery County, Utah.

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

We concur in the recommendation of the Field Examiners that the application be denied.

W. M. Traver

W. M. Traver

E. N. Harshman

E. N. Harshman

Encs.

Reviewed by
DMEA OPERATING COMMITTEE
4-20-55
(date)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

1600 EAST FIRST SOUTH STREET
SALT LAKE CITY 1, UTAH

DMEA
Date

BUREAU OF MINES
Denver, Colorado

March 18, 1955

TRANSMITTED
APR 6 1955

Memorandum

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

From: Stephen R. Wilson

Subject: Docket No. DMEA-3597 (Uranium), Cedar Ridge Uranium Corp., Emery County, Utah

Attached are the original and 10 copies of an engineering report covering examination of the subject property for DMEA loan appraisal. The report was prepared by W. E. Young. Also included are copies of a separate section, Summary, Conclusions and Recommendations, and three copies each of forms 6-803 and 6-993. A copy of the geologic report transmitted to this office by your memorandum of March 11, 1955, is also included. A copy of the brochure originally sent to this office was mailed to the Geological Survey in Grand Junction for their use.

The applicant has requested a loan of $132,685 to drill 62 diamond drill holes through the Brushy Basin member of the Morrison formation into the underlying Salt Wash member. Known mineralization on the property is found in the Brushy Basin member. There are no outcrops of the Salt Wash member on the property, and no geologic evidence is present to indicate favorable targets in the underlying Salt Wash. It is recommended that the loan request be denied. I concur in this recommendation.

Stephen R. Wilson
Stephen R. Wilson

Enclosures

Reviewed by
DMEA OPERATING COMMITTEE
4-20-55
(date)

SUMMARY, CONCLUSIONS AND RECOMMENDATIONS

By R. C. Robeck and W. E. Young

Cedar Ridge Uranium Corporation has applied for Government aid under docket No. DMEA 3597, to explore the Cedar Ridge and Black Bird uranium claims in Emery County, Utah. The property was examined by DMEA field personnel during January 1955, to appraise the loan request.

The applicant company has requested a loan of $132,685 to drill 62 diamond drill holes, totaling 23,900 feet. It is proposed that the drilling be accomplished to explore unspecified targets in the Salt Wash member of the Morrison formation.

The Cedar Ridge and Black Bird claims cover an outcrop of the Brushy Basin member of the Morrison formation. The Salt Wash member of this formation is not exposed on the applicant's claims but undoubtedly is present below the Brushy Basin, which appears to be approximately 500 feet thick in the area. The Salt Wash member outcrops in an area approximately one mile east of the applicant's property.

Exploration performed by the Cedar Ridge Uranium Corp. has disclosed uranium mineralization in thin sand lenses and mudstone near the top of the Brushy Basin member. A minor tonnage of ore has been sorted from the erratic occurrences. The applicant company has proposed drilling through the Brushy Basin into the Salt Wash, expecting the lower member to be mineralized. No specific objectives in the

Reviewed by
DMEA OPERATING COMMITTEE
4-20-55
(date)

Salt Wash member have been outlined. Mineralization in the Brushy Basin is believed too spotty and erratic to warrant further exploration.

There are no known uranium occurrences in the Salt Wash on the applicant's property, and no geologic evidence is present to indicate logical objectives for exploration in the Salt Wash below the outcropping Brushy Basin member. It is believed that the proposed exploratory work is a wildcat project. Recommendation is made that the loan request be denied.

CEDAR RIDGE URANIUM CORP.
CEDAR RIDGE AND BLACK BIRD CLAIMS
EMERY COUNTY, UTAH
DMEA-3597
Uranium

Engineering Report

By W. E. Young
Mining Engineer
Bureau of Mines

Reviewed by
DMEA OPERATING COMMITTEE
4-20-55
(date)

CEDAR RIDGE URANIUM CORP.
CEDAR RIDGE AND BLACK BIRD CLAIMS
EMERY COUNTY, UTAH

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Introduction	2
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ILLUSTRATIONS

Fig. 1 Location map, Cedar Ridge Uranium Corp., Emery County, Utah

Reviewed by
DMEA OPERATING COMMITTEE
4-20-55
(date)

SUMMARY

Field examination of the Cedar Ridge and Black Bird groups of claims, Emery County, Utah, revealed spotty uranium mineralization in the Brushy Basin member of the Morrison formation. Exploratory work completed to date by the applicant consists of 16 wagon drill holes and considerable rim stripping with a bulldozer. Additional work proposed in the application is designed to explore the underlying Salt Wash member of the Morrison formation, which is known to be productive in other locations. This proposal consists of drilling 62 diamond drill holes spaced at 400-foot intervals. The cost of the project is estimated at $132,685. The Salt Wash member does not outcrop on the applicant's claims or in areas immediately adjacent to the claims. The Brushy Basin member is not known to be productive at other locations in the area. It is recommended that the loan be denied.

INTRODUCTION

The property of the Cedar Ridge Uranium Corp. was examined January 20, 1955, by a geologist of the Geological Survey and an engineer of the Bureau of Mines. The examination was made at the request of the Regional Field Team to determine the advisability of granting a Government assistance loan. Mr. J. C. Bonham, vice president of the applicant company, conducted the examining team over the property.

Reviewed by
DMEA OPERATING COMMITTEE
4-20-55
(date)

The applicant proposes to explore the property by diamond drilling 62 holes at an estimated cost of $132,685.

LOCATION, TOPOGRAPHY AND PHYSICAL FEATURES

The Cedar Ridge property is located approximately 10 miles southeast of Cleveland, Emery County, Utah, in sec. 1, T. 18 S., R. 10 E.; sec. 36, T. 17 S., R. 10 E.; sec. 6, T. 18 S., R. 11 E.; and sec. 7, T. 18 S., R. 11 E. (fig. 1). The claims cover an erosional valley with low, rolling hills surrounded by escarpments and steep cliffs. The property is accessible over existing dirt roads from Cleveland.

HISTORY AND PRODUCTION

The claims are held by right of location, and were purchased from the original owners, who retain a 12-1/2 percent royalty interest. Total production to date consists of 4 tons of ore. There is no stockpiled ore on the property. The applicant has completed 16 wagon drill holes aggregating 688 feet. Considerable bulldozer rim stripping has been done on Cedar Ridge Nos. 1 and 2 claims.

OWNERSHIP AND EXTENT

The property involved consists of the following unpatented mining claims, recorded in the office of the Emery County Recorder, Castle Dale, Utah:

Claim	Book	Page
Cedar Ridge 1 - 7	J-12	345-352
	J-12	419-420
	J-13	247-250
	J-16	71- 73
Black Bird 1 - 10	J-25	443-449
	J-28	60- 62

DESCRIPTION OF THE DEPOSITS

The Cedar Ridge and Black Bird claims cover an outcrop of the Brushy Basin member of the Jurassic Morrison formation. This formation, consisting of shales and marls with thin lenses of sandstone, is much thicker in this area than at surrounding locations. A persistent conglomerate member is also present.

The Salt Wash member does not outcrop in the immediate area of the claims but is reported to be exposed in the bottoms of washes to the north and east.

Uranium mineralization occurs in the shales and thin sandstone lenses near the top of the Brushy Basin. Conditions encountered by surface trenching and a limited amount of wagon drilling indicate this mineralization to be spotty and erratic.

PROJECT PROPOSALS

The applicant proposes to further explore the property by drilling 62 holes aggregating a total 23,900 feet. A map submitted with the application shows proposed locations of the holes. Information in the application is vague concerning any specified target

for the drilling, but the applicant stated the purpose is to explore the underlying Salt Wash formation. Proposed holes are spaced on 400-foot centers.

Interesting uranium mineralization occurs in the Brushy Basin member, but the applicant disclosed that past experience in trying to mine this ore has convinced the company it is too spotty to be commercial. For this reason, the applicant company is not interested in further exploration of this horizon. Because the Salt Wash member does not outcrop in the area of the claims, all proposed drilling would be of wildcat nature.

CONCLUSIONS AND RECOMMENDATIONS

Uranium mineralization of interest occurs in the Brushy Basin member of the Morrison formation in the area of the Cedar Ridge and Black Bird claims. The area is probably underlain by the Salt Wash member at considerable depth below the surface. There are no outcrops of the Salt Wash on the claims or in the immediately adjacent areas. Diamond drilling to explore the Salt Wash member would be in the nature of wildcat exploration. Company officials have signified no interest in further exploration of the Brushy Basin member. It is recommended that the application for loan be denied.

IN REPLY REFER TO:

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

DMEA
Date Rec'd
FEB 25 1955
BUREAU OF MINES
Denver, Colorado

February 25, 1955

TRANSMITTED
APR 8 1955

Memorandum

To: Field Team, Region III

From: E. N. Harshman

Subject: DMEA Docket 3597, Cedar Ridge Uranium Company, Cedar Ridge and Black Bird claims, Emery County, Utah

Enclosed are 11 copies of a geologic report by R. C. Robeck, U. S. Geological Survey, on the above subject application for exploration assistance.

The applicant proposes to core drill 35 holes totalling 11,950 feet through the Brushy Basin member of the Morrison formation into the underlying Salt Wash member. The holes will range in depth from 100 to 450 feet. Robeck concludes that the zones of the Brushy Basin from which the applicant took his samples are not potential ore zones, that the applicant has not shown that any uranium deposit exists in the Salt Wash on their claims, and that therefore there is no known target for exploration. Therefore, he recommends that the application be denied.

I concur with this recommendation.

The Survey copy of the application is returned herewith.

E. N. Harshman

E. N. Harshman
Member, Field Team

Enclosures (11)

ENHarshman:arh

Reviewed by
DMEA OPERATING COMMITTEE
4-20-55
(date)

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

February 16, 1955

TRANSMITTED
APR 8 1955

Memorandum

To: E. N. Harshman, DMEA Field Team, Region III

From: W. P. Williams

Subject: DMEA 3597, Cedar Ridge Uranium Company, Cedar Ridge and Black Bird claims, Emery County, Utah

Transmitted herewith are 11 copies of a geologic report by R. C. Robeck covering a field examination of the above-referenced property.

The applicant proposes drilling through the Brushy Basin member of the Morrison formation into the underlying Salt Wash member. Drill-hole depths would be in excess of 500 feet. Robeck concludes that because there is no outcrop of the Salt Wash member on the property, and because the applicant has not demonstrated the presence of geologic targets on the property, that the application for DMEA assistance be denied. I concur with Robeck's recommendations.

This application has been brought to the attention of the Exploration Division, U. S. Atomic Energy Commission, Grand Junction Operations Office. To date we have not received data from the Commission with regard to evaluation of the application. Should any information be forthcoming, it will be forwarded immediately.

We are also returning to you at this time the brochure covering this application.

W P Williams
W. P. Williams,
Geologist

WPW/mlr
Enclosures

Reviewed by
DMEA OPERATING COMMITTEE
4-20-55
(date)

UNITED STATES DEPARTMENT OF THE INTERIOR

DOUGLAS McKAY, SECRETARY

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

DMEA 3597, Cedar Ridge Uranium Company, Cedar Ridge and Black Bird claims, Emery County, Utah

Uranium

Geologic Report

by

R. C. Robeck
U. S. Geological Survey

February 17, 1955

Reviewed by
DMEA OPERATING COMMITTEE
4-20-55
(date)

DMEA 3597

INTRODUCTION AND SUMMARY

The Cedar Ridge Uranium Company, through its President, Mr. Coswell, made an application to the Defense Minerals Exploration Administration for $132,685.00 (Government's share to be $99,513.75) to explore for uranium by drilling on the Cedar Ridge Nos. 1-17, 20 and 21, Black Bird Nos. 1-10 claims in sec. 1, T. 17 S., R. 10 E., SLPM, Emery County, Utah, (fig. 1). (Applicant had the range mislabeled as R. 10 W.)

A field examination of the property was made on January 20 by the writer in company with W. E. Young of the U. S. Bureau of Mines, J. C. Bonaham as company representative, and H. B. Dyer of the U. S. Geological Survey.

On the basis of the field examination, it is recommended that the application be denied.

GEOLOGY

The claims are on the extreme northwest extension of the San Rafael Swell. The stratigraphic section is as follows: The Salt Wash member of the Morrison formation is exposed in the canyon about 1 mile to the east of the claims. The overlying Brushy Basin shale member of the Morrison is approximately 500 feet thick and consists of variegated mudstones with some interbedded lenticular sandstones. Overlying this is a unit which carries the informal name of Buckhorn conglomerate. On the claims, dips vary from 1° to 5° NW. The applicant's vein stripping and sampling were done on some black mudstone zones near the top of Brushy Basin. The applicant stated that some thin irregular sands near these mudstones contained a higher percentage of uranium than the mudstone.

Examination of the black mudstone outcrop showed a yellow coating on fractures which might be autunite or betazippeite. Readings by a scintillator indicate a maximum uranium content between 0.1 and 0.2 percent, and most of this is probably present within the black mudstone.

APPLICANT'S PROPOSAL

The applicant proposed an extensive drilling program on the Cedar Ridge Nos. 1-10, 13-17, and Blackbird 6 and 7 claims, but the objective was not stated. Depths of proposed holes had no specific relationship to the actual geologic conditions. In the field the applicant stated that the Brusy Basin mudstones would not be the objective in drilling. Instead, the underlying Salt Wash sandstone would be the objective. However, there is no outcrop of the Salt Wash on their claims and they have not drilled into the Salt Wash.

The applicant has carried on a program of road building, rim stripping, and some shallow drilling. In the writer's opinion the applicant's report, work done in the field, and the personnel involved all indicate that the company is not competent to carry out a program such as they have proposed.

RECOMMENDATIONS AND CONCLUSIONS

The black mudstone zones of the Brushy Basin shale from which the applicant took his uranium samples is not considered a potential ore zone either by the applicant or the writer. The Salt Wash is considered by the applicant as a potential ore zone, but there is at present no known uranium deposits on their claims in the Salt Wash. It is recommended that the application be denied, as it proposes a "wildcat" prospecting program.

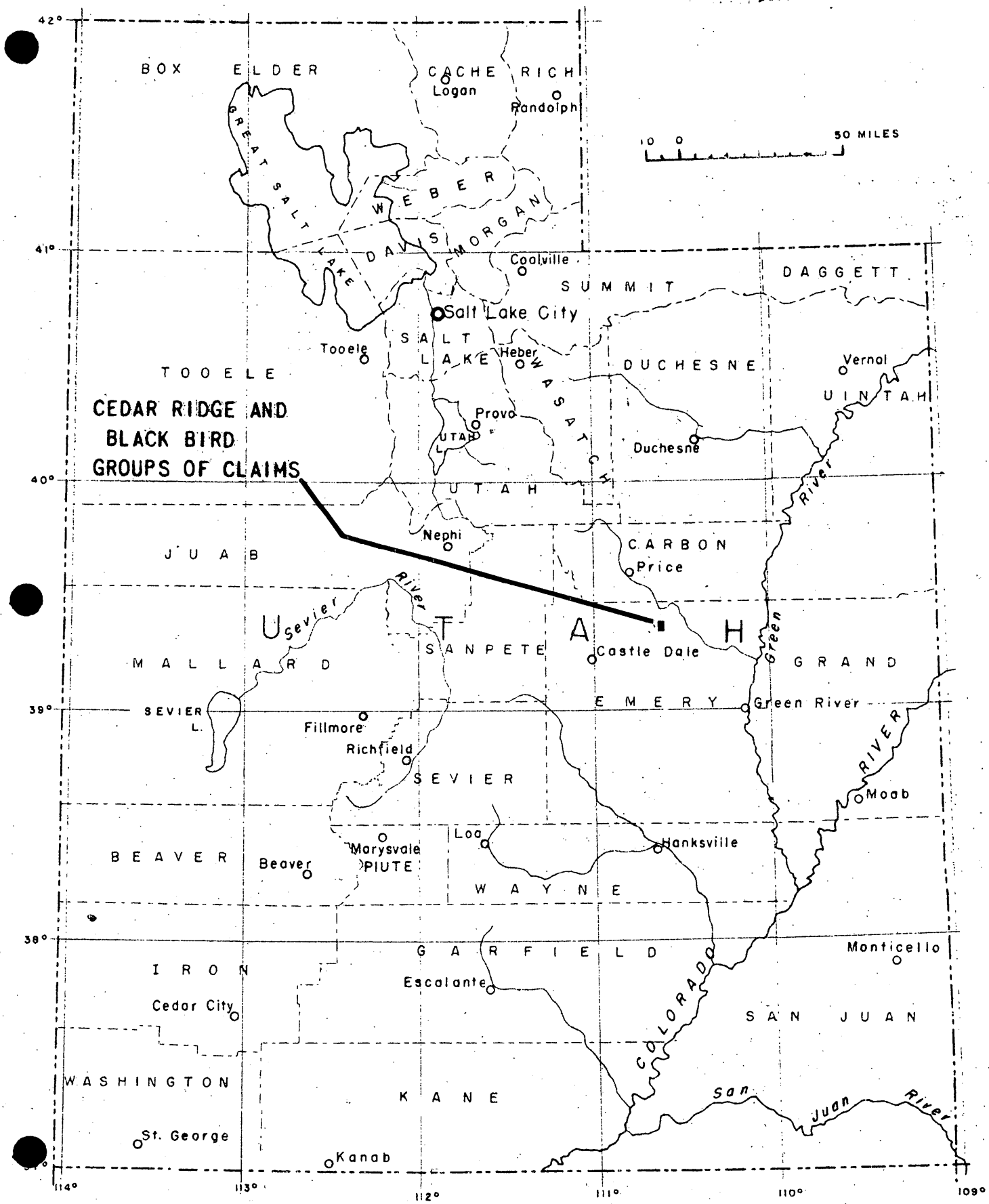


Figure 1. INDEX MAP OF UTAH SHOWING LOCATION OF THE CEDAR RIDGE AND BLACK BIRD GROUPS OF CLAIMS, CEDAR RIDGE URANIUM CO., EMERY COUNTY, UTAH

3/22/55 gla

CEDAR RIDGE URANIUM CORPORATION

XXXXXXXXXXXXXXXXXXXXXXXXXX.
XXXXXXXXXXXXXXXXXX • PHONE JU-5112
HOUSTON, TEXAS

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAR 22 1955

4604 South Main, Room 217
March 19, 1955

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

Re: Docket No. DMEA-3597 (Uranium
Cedar Ridge and Black Bird
Group of claims
Emery County, Utah

Dear Mr. Ellis:

Thank you for your letter of March 16th relative to the status of our loan application.

Yes, we have changed our address to 4604 South Main, Room 217, Houston, Texas.

Yours very truly,

CEDAR RIDGE URANIUM CORPORATION

C. H. Boswell

C. H. Boswell, President

CHB:bb

Surname copy

700

Ellis
Mittendorf

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

MAR 16 1955

Mr. C. E. Boswell, President
Cedar Ridge Uranium Corporation
4604 South Main, Room 217
Houston, Texas

Re: Docket No. DMEA-3597 (Uranium)
Cedar Ridge and Black Bird
groups of claims
Emery County, Utah

Dear Mr. Boswell:

This will acknowledge receipt of your letter of March 10, addressed to Mr. C. O. Mittendorf, Administrator.

It is noted that you are anxious to know the status of the subject application following the January 20th field examination.

In reply, please be informed that following the field work complete reports are made by the inspecting engineers and geologists. Then said reports are forwarded to Washington for study and appropriate action. The reports on your property have not been received as of this date. However, please be assured we will continue to process your application upon receipt of the field reports and you will be informed of the action taken as soon as possible.

We note from your letter that the address of your Company is different than that shown on the application form. Kindly advise us if our records should be changed to this new address.

Sincerely yours,

SIGNED

Ernest Wm. Ellis, Chief
Rare and Miscellaneous
Metals Division

EWEllis/gla
3-16-55
cc to: Admr. Reading File
Docket
Messrs. J. E. Crawford, Rm. 3641
T. H. Kiilsgaard, Rm. 5224
J. O. Hosted, Rm. 3210, GSA
Code 700

R.S.S.

3/11/55 gla

CEDAR RIDGE URANIUM CORPORATION

XXXXXXXXXXXXXXXXXXXXXXXXXXX

XXXXXXXXXXXXXXX • PHONE JU-5112

HOUSTON, TEXAS

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAR 11 1955

4604 South Main, Room 217
March 10, 1955

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

Re: Docket No. DMEA-3597 (Uranium)
Cedar Ridge and Black Bird
group of claims
Emery County, Utah

Dear Mr. Mithendorf:

On January 20th and 21st field representatives examined our claims referred to above. We have not heard from your department since the examination and are rather anxious to learn of the outcome and the status of our application for a defense loan.

Yours very truly,

CEDAR RIDGE URANIUM CORPORATION

C H Boswell

C. H. Boswell, President

CHB:bb

2/23/55 gla

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

224 New Customhouse
Denver 2, Colorado

February 18, 1955

Mr. C. H. Boswell, President
Cedar Ridge Uranium Corporation
4604 South Main, Room 217
Houston, Texas

Re: Docket DMEA 3597

Dear Mr. Boswell:

Receipt is acknowledged of your letter dated February 16, 1955, relative to the subject application.

After the examination is completed the engineer and geologist each writes a formal report of the examination, and when both reports are received in this office they are reviewed here and then sent to the Washington office along with our recommendations. The contract if approved will be prepared by Washington personnel.

We have not received the field reports as yet but we do expect them to be in next week.

Very truly yours,

W. M. TRAVER,

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

RDB:jp
cc Subject
Chron
Sec. to Op. Comm.
Wilson
Williams
Harshman

Surname 700

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

Ellis
Kilsgaard
Gukor
Selfridge
FH James

Mr. C. H. Boswell, President
Cedar Ridge Uranium Corporation
Suite 3, John Hancock Building
1917 Westheimer
Houston, Texas

DEC 20 1954

Re: Docket No. DMEA-3597 (Uranium)
Cedar Ridge and Black Bird
groups of claims
Emery County, Utah

Dear Mr. Boswell:

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

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

The Regional Office will contact you in regard to your project if additional information is required.

Sincerely yours,

C. O. Mittendorf

Administrator

EWEllis:am
12-17-54
cc to: Admr. Reading File
Docket
Code 700
DMEA FT, Region IV(2)

R.C.V.

Surname 700

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

Ellis
Selfridge
F. Jensen

DEC 20 1954

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

Re: Docket No. DMEA-3597 (Uranium)
Cedar Ridge Uranium Corporation
Cedar Ridge and Black Bird groups
of claims
Emery County, Utah

Dear Mr. King:

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

Enclosed are copies of memoranda from John E. Crawford dated December 9, and E. L. Newcomb dated December 15, 1954, members of the Uranium Commodity Committee.

According to your memorandum of December 9, you have already noted discrepancy in reporting tonnage of ore shipped from Cedar Ridge claims 1 and 2 as shown on the map submitted with your memorandum of December 7.

Sincerely yours,

George C. Selfridge
Chairman, Operating Committee GCS

Enclosures

APPROVED:
/s/ Robert W. Geehan
Member, Bureau of Mines (GCS)
Thor H. Kiilsgaard
Member, Geological Survey (GCS)

EWEllis:am
12-17-54
cc to: Admr. Reading File
Operating Committee
Docket
Messrs. J. E. Crawford, Rm. 3641
T. H. Kiilsgaard, Rm. 5224
J. O. Hosted, Rm. 3210, GSA
Code 700

R.C.H.

12/16/54 gla

IN REPLY REFER TO:

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

Defense Minerals Administration
RECEIVED
DEC 16 1954

December 15, 1954

Re: DMEA-3597
Cedar Ridge Uranium Corp.
(Cedar Ridge & Black Bird Claims)
Emery Co., Utah
$132,685 - Uranium

Memorandum

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

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

Subject: Review of application

The applicant proposes a two-stage drilling project to thoroughly test the Cedar Ridge and Black Bird groups of claims for possible significant uranium deposits. A total of 23,900 feet will be drilled (70 holes, to depths ranging from 100 to 450 feet).

The operator states that some exploratory drifting has been in ore which averages 0.27 to 2.5 percent (U_3O_8?). He reports that on November 18, 1954, 4500 pounds of ore were shipped to the U. S. Vanadium Company mill at Thompson, Utah. Apparently a small stockpile of shipping ore is being held at the property pending receipt of mill returns from the U. S. Vanadium Company.

Although the geologic information in the application is rather limited, the applicant has established that uranium mineralization is present on his claims.

I recommend the application be referred to the Field Team for their review and consultation with the A.E.C. An examination probably will be necessary to determine whether the proposal has sufficient geologic merit for DMEA assistance.

E. L. Newcomb

E. L. Newcomb

IN REPLY REFER TO:

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

December 15, 1954

Re: DMEA-3397
Cedar Ridge Uranium Corp.
(Cedar Ridge & Black Bird Claims)
Emery Co., Utah
$132,685 - Uranium

Memorandum:

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

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

Subject: Review of application

The applicant proposes a two-stage drilling project to thoroughly test the Cedar Ridge and Black Bird groups of claims for possible significant uranium deposits. A total of 23,900 feet will be drilled (79 holes to depths ranging from 100 to 450 feet).

The operator states that some exploratory drifting has been in ore which averages 0.27 to 2.5 percent (U_3O_8). He reports that on November 18, 1954, 4500 pounds of ore were shipped to the U. S. Vanadium Company mill at Thompson, Utah. Apparently a small stockpile of shipping ore is being held at the property pending receipt of mill returns from the U. S. Vanadium Company.

Although the geologic information in the application is rather limited, the applicant has established that uranium mineralization is present on his claims.

I recommend the application be referred to the Field Team for their review and consultation with the A.E.C. An examination probably will be necessary to determine whether the proposal has sufficient geologic merit for DMEA assistance.

E. L. Mavcomb

ELMavcomb:hlm
G-12/15/54

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

12/10/54 glr

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

December 9, 1954

Memorandum

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

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

Subject: DMEA Docket No. 3597, Cedar Ridge Uranium Corporation
1917 Westheimer, Suite 3, Houston, Texas

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

It is recommended that the application be referred to the Field Team for investigation and report, and that the Field Team be requested to discuss the application with Ernest R. Gordon, Atomic Energy Commission, Grand Junction, Colorado.

John E. Crawford

John E. Crawford

Attachment

12/13/54 gfa

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

RECEIVED

224 New Customhouse
Denver 2, Colorado

December 9, 1954

DMEA-3597

Memorandum

To: Secretary of Operating Committee

From: Executive Officer, DMEA Field Team, Region IV

Subject: DMEA Application (Uranium), Cedar Ridge and Black Bird Claims, Emery County, Utah.

Enclosed are three copies of a letter from the applicant correcting the tonnage figures of ore produced on his property.

A copy of this letter should be made a part of each copy of the application and we are retaining the original letter for our copy of the application.

W. H. King

W. H. King

Enclosures

1 copy w/att.
to Mr. Kiilsgaard
USGS 12/13/54 gfa

CEDAR RIDGE URANIUM CORPORATION

SUITE 3, JOHN HANCOCK BLDG.
1917 WESTHEIMER • PHONE JU-5112
HOUSTON, TEXAS

December 7, 1954

Mining Division
Date Rec'd.
DEC - 1954
BUREAU OF MINES
Denver, Colorado

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

Re: DMEA Application (Uranium)
Cedar Ridge and Black Bird Claims
Emery County, Utah

Dear Mr. King:

Referring to maps forwarded you December 6th showing core drilling work that has been done on the Cedar Ridge claims, in re-checking the map we find that the engineer was in error on the amount of ore recovered on claims #1 and #2. There was between 4 and 5 ton of ore recovered instead of the 400 tons shown on the map which is incorrect.

Sorry we did not notice this before maps were sent in but thought you should have the corrected information.

Yours very truly,

CEDAR RIDGE URANIUM CORPORATION

C. H. Boswell

C. H. Boswell, President

CHB:bb

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

224 New Customhouse
Denver 2, Colorado

December 7, 1954

DMEA-3597

Mr. C. H. Boswell, President
Cedar Ridge Uranium Corporation
1917 Westheimer
Houston, Texas

Re: DMEA Application (Uranium)
Cedar Ridge and Black Bird claims
Emery County, Utah

Dear Mr. Boswell:

This will acknowledge receipt of your letter dated December 6, 1954, and the four copies of the claim map showing the location of the holes that were drilled subsequent to filing your application.

Yours very truly,

W H King

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

HMC:mn

cc: Docket
Sec. to the Oper. Comm. (2)
A.H.Koschmann
Chron.

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

224 New Customhouse
Denver 2, Colorado

December 7, 1954

Mr. C. H. Boswell, President
Cedar Ridge Uranium Corporation
1917 Westheimer
Houston, Texas

Re: DMEA Application (Uranium)
Cedar Ridge and Black Bird claims
Emery County, Utah

Dear Mr. Boswell:

This will acknowledge receipt of your letter dated December 6, 1954, and the four copies of the claim map showing the location of the holes that were drilled subsequent to filing your application.

Yours very truly,

W H King

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

HMC:mn

cc: Docket
Sec. to the Oper. Comm. (2)
A.H.Koschmann
Chron.

12/10/54 gla

DEPARTMENT OF THE INTERIOR
Library Branch Administration
DEC 10 1954

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

224 New Customhouse
Denver 2, Colorado

December 7, 1954

Memorandum

To: Secretary to the Operating Committee

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

DMEA-3597

Subject: Application for DMEA aid (Uranium)
Cedar Ridge Uranium Corporation
Cedar Ridge and Black Bird claims, Emery County, Utah

Enclosed are three copies of a map showing the location of holes drilled subsequent to filing the subject application. These maps should be attached to the three copies of the application forwarded your office December 2, 1954.

One map has been retained by this office for our copy of the application.

W. H. King

Enclosure

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

DEC 10 1954

224 New Customhouse
Denver 2, Colorado

December 7, 1954

Memorandum

To: Secretary to the Operating Committee

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

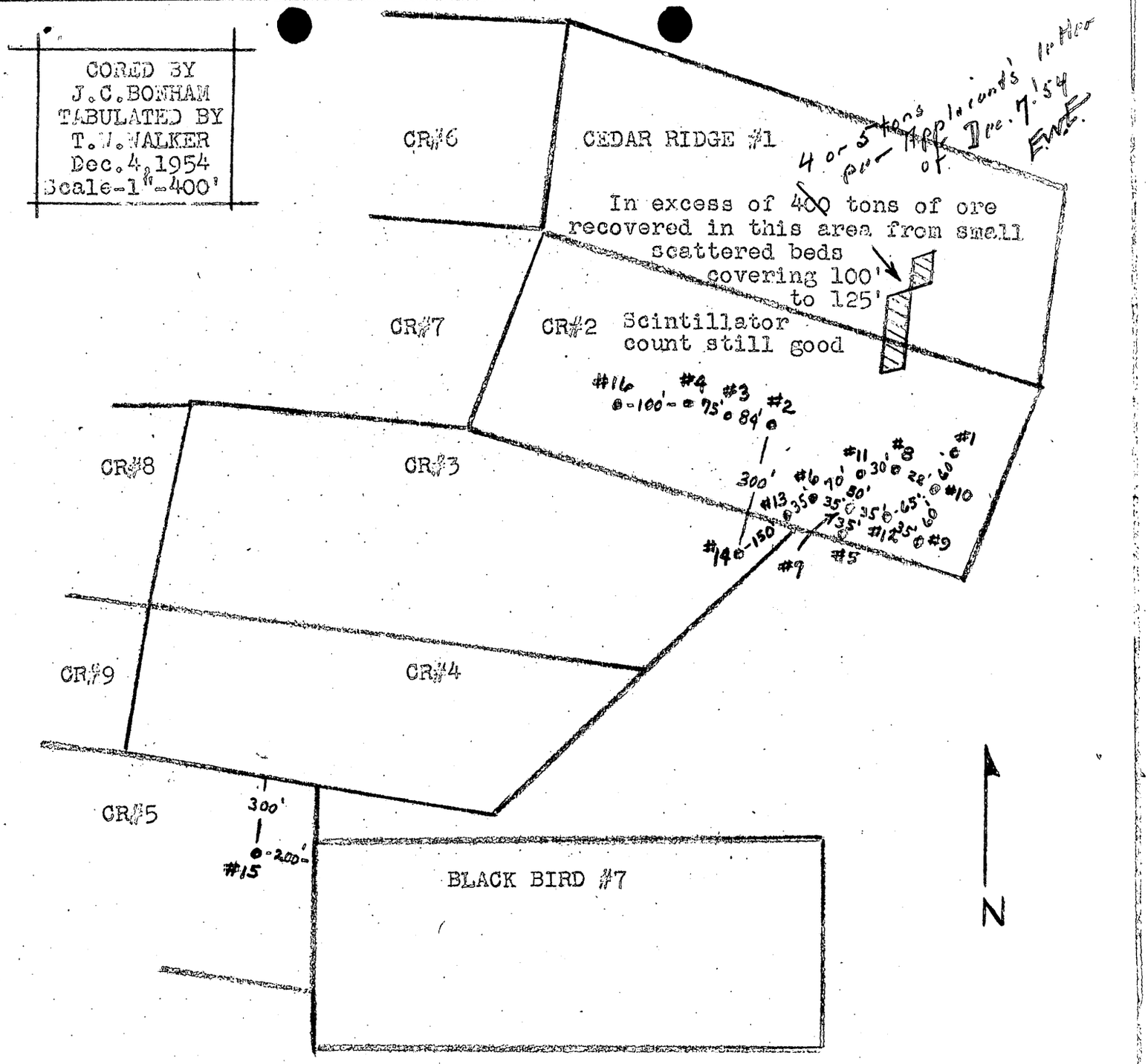
Subject: Application for DMEA aid (Uranium)
Cedar Ridge Uranium Corporation
Cedar Ridge and Black Bird claims, Emery County, Utah

Enclosed are three copies of a map showing the location of holes drilled subsequent to filing the subject application. These maps should be attached to the three copies of the application forwarded your office December 2, 1954.

One map has been retained by this office for our copy of the application.

W. H. King

Enclosure



INSERT MAP TO SHOW NOVEMBER 1954 ACTIVITIES ON THE CEDAR RIDGE MINING CLAIMS

CORE HOLE	TOTAL DEPTH	DATE DRILLED	COUNT & DEPTH	REMARKS
#1	47'	Nov. 1	No check	Hit water sand 47'
#2	94'	Nov. 12	No check	Stuck pipe lost 11 joints
#3	45'	Nov. 13	Good 5'-18'	
#4	48'	Nov. 14	Good @ 19'	Fair count in Sand @ 48'
#5	54'	Nov. 22	Good 3½-6½'	Fair count to bottom.
#6	30'	NOv. 22	Good 8'-14'	Fair to good count to 30'
#7	18'	Nov. 23	Good to 17'	1½% ore indicated 7'-11'
#8	36'	Nov. 23	Good 16'-36'	Ore indicated 21'-24½'
#9	30'	Nov. 24	Fair 23'-24½'	Top ore 9' no count
#10	30'	Nov, 24	Good 12'-14'	Fair 18'-24' ore 12'-14'
#11	27'	Nov. 24	Fair 18'-24'	Unable to drill waxy shale
#12	18'	Nov. 24	Good 9'-11'	Fair to 17'ore 9'-11' Unable to drill waxy shale
#13	60'	Nov. 25	Slight 0-3'	3'-60'dark grey shale
#14	52'	Nov. 25	None	Dark grey shale to 51'-Water
#15	55'	Nov. 26	Fair 55'	
#16	44'	Nov. 27	None	Favorable indications

Legend For Count-Slight,less than 1 point-Fair,1 to 2-Good,2-5. Backlog count allowed for using 100' probe. Elevation of Core Holes-Not run.

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

November 8, 1954

Memorandum

To: Executive Officer, DMEA Field Team, Region IV

From: Chief, Operation's Control and Statistics Division

Subject: Assignment of Docket Number

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

DMEA-3597 Cedar Ridge Uranium Corp.

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

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

November 8, 1954
Subject: DMEA-3597
Re: Exploration Assistance

Cedar Ridge Uranium Corp.
1917 Westheimer, Suite 3
Houston, Texas

Gentlemen:

The receipt of your application dated November 4, 1954 for exploration assistance under the Defense Production Act of 1950, as amended, is hereby acknowledged.

Your application has been assigned Docket Number DMEA-3597 and referred to the Rare and Miscellaneous Metals Division.

Kindly identify all future correspondence relating to your application by this docket number.

Sincerely yours,

Robert E. Adams, Chief
Operations Control and
Statistics Division

60932

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

224 New Customhouse
Denver 2, Colorado

December 2, 1954

Memorandum

To: Secretary to the Operating Committee, DMEA

From: Executive Officer, DMEA Field Team, Region lV

Subject: Application for DMEA aid (Uranium)
Cedar Ridge Uranium Corporation, Cedar Ridge and Black Bird claims
Emery County, Utah

Enclosed are three copies of the subject application in the amount of $132,685.00.

One copy of the application is being retained in our files. Each copy of the application contains:

(1) Form MF-103.

(2) Copy of our letter to the applicant dated November 2, 1954.

(3) Applicant's letter to Region lV dated November 24, 1954.

(4) Proposed core drilling of Cedar Ridge and Black Bird mining claims.

(5) Report on preliminary examination of Cedar Ridge Uranium properties by B. Geekie Cobb.

(6) Certificate of analysis.

(7) Resume of J. W. Deans.

(8) Core drill pattern map.

(9) Claim map of Cedar Ridge mining claims.

W. H. King

Enclosures

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

224 New Customhouse
Denver 2, Colorado

December 2, 1954

Memorandum

To: Secretary to the Operating Committee, DMEA

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

Subject: Application for DMEA aid (Uranium)
Cedar Ridge Uranium Corporation, Cedar Ridge and Black Bird claims
Emery County, Utah

Enclosed are three copies of the subject application in the amount of $132,685.00.

One copy of the application is being retained in our files. Each copy of the application contains:

(1) Form MF-103.

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(6) Certificate of analysis.

(7) Resume of J. W. Deans.

(8) Core drill pattern map.

(9) Claim map of Cedar Ridge mining claims.

W. H. King

Enclosures

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

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

Not to be filled in by applicant

Docket No. 3597
Metal or Mineral Uranium
Date Received
Estimated Cost $132,685
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: Cedar Ridge Uranium Corporation, ~~1212 Petroleum, Suite 3,~~ Houston, Texas 4604 South Main, Room 217
(see attached page 1)

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

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

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

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

3. *Applicant's property rights.*—(*a*) State the legal description of the land upon which you wish to explore, including all land which you possess or control that may be benefited by the exploration, and excluding any land or interest in land which is not to be included in the exploration project contract
(See attached page 1)

(*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 ~~We have purchased claims outright from original claim stakers who have retained a royalty interest of 12½~~

(*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 and Vanadium

(*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?

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

Explain in detail on acompanying paper.

CERTIFICATION

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

Dated 4th Nov, 1954

Cedar Ridge Uranium Corporation
(Applicant)

By O H Boswell
President

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

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

CEDAR RIDGE URANIUM CORPORATION
1917 Westheimer, Suite 3
Houston, Texas

PROPOSED CORE DRILLING OF CEDAR RIDGE AND BLACK BIRD MINING CLAIMS

The proposed core drilling to determine the economic worth of the subject claims has been plotted on the map attached namely; "Map of Core Drill Pattern". This map also shows all geologic features, ore leads, location of assayed samples and indicated dips. From this map it can be seen that there is either a faulted zone or possibly a dike in the middle of the claims. It is proposed to commence drilling in Cedar Ridge Claims #1 and #2 from the standpoint that the ore leads indicated in claim #2 and the assay sample #2 is indicative of a potential uranium-vanadium deposit. The formations dip west at approximately 11°. From field geological surveys the variated shades in this area contain uranium, titanium, cobalt, malochite, bentonite, manganese, limonite, hematite and vanadium. The scintillator count on August 17, 1954, in this area averaged .17 to 3.50.

It is evident that erosion has been extensive over the whole area. Consequently along the outcrops where leads are present considerable leaching and weathering has occurred. This is the area where the formations dip west at about 11°. It is therefore felt that following these outcrops down dip in the Morrison formation below the cretaceous overburden there is a distinct possibility that the ore content will improve. This, of course, will be proven by the core drill pattern established.

The core drilling is established in two parts. PART I concerns core drilling the more or less eastern half of the Cedar Ridge Claims primarily because more information is available on this area. With an 11° dip to the formations it is necessary to drill at varying depths. The evidence of geyserite indicate probable faulting which allowed the deposition of geyserite in a fault zone, so it is possible that the faulting will interrupt continuity of the ore deposits, yet reestablished beyond any faulted zone. Therefore, PART I is established to core drill using 35 core holes at the end of which time a reevaluation of depths to drill will probably have to be made.

PART I consists of 35 core holes drilled from 100 feet to 450 feet totalling 11,950 feet of hole drilled. The location of these core holes and their depths are shown on the attached map. It is estimated that these core holes will average a total of $3.00 per foot of hole drilled or $35,850.00.

PART II at this point is nebulous but can be expected to be of an approximate amount or about $71,700.00 for the total exploration work for core drilling.

CEDAR RIDGE URANIUM CORPORATION
1917 Westheimer, Suite 3
Houston, Texas

1. (a) Cedar Ridge Uranium Corporation, 1917 Westheimer, Suite 3, Houston, Texas. A Delaware Corporation qualified in Utah and Texas. C. H. Boswell, 1917 Westheimer, Houston, Texas, President; J. C. Bonham, Price, Utah, Vice President; Calvin Garwood, Jr., c/o Garwood & Garwood, Attorneys at Law, 1905 Second National Bank Bldg., Houston, Texas, Secretary-Treasurer; W. G. Stacy, West Building, Houston, Texas, Vice President.

3. (a) 19 claims in the Cedar Ridge group, 10 claims in the Black Bird group and 2 fractions of claims in Cedar Ridge group located in Emery County, Utah. We own under the name of C. H. Boswell 208 claims in the same area which lay about 3 miles northeast of this group which we feel would be benefitted greatly by this exploration work inasmuch as they are apparently on the same structual formation.

(b) Property known as Cedar Ridge Uranium Corporation mine.

(c) We have purchased claims outright from original claim stakers who have retained a royalty interest of 12½%.

(e) None

(f) Cedar Ridge claims 1 through 17: Book J-12 pages 345 through 352 and pages 419 and 420; Book J-13 pages 247 through 250; Book J-16 pages 71, 72 and 73.

Black Bird claims 1 through 10: Book J-25 pages 443 through 449; Book J-28 pages 60, 61, and 62.

Emery County, State of Utah, Office of County Recorder, Castle Dale, Utah.

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(b) November 18, 1954, we shipped 4500 pounds of ore to the U. S. Vanadium Company, Thompson, Utah, mill under license No. P-2025. Have not received the mill run. Have possibly 20 ton of shipping ore on the premises.

(c) (See page headed: "PROPOSED CORE DRILLING OF CEDAR RIDGE AND BLACK BIRD MINING CLAIMS".)

(d) The claims and workings are accessible by gravel road approximately 10 miles from the townsite of Cleveland. Shipping point is Thompson, Utah, approximately 55 miles. Can be reached by an all weather gravel road and pavement.

(e) All necessary manpower, materials, supplies, equipment, water and power are available in this area.

5. (a) Uranium and Vanadium

(b) For the exploration of Uranium and Vanadium ores which are present in the area to determine the depth and the exact location where mining should commence and block out the ore body.

(c) Work is now being done on a small basis due to limited finances and exploration work would commence immediately upon consumation of this contract and will continue for possibly 1 year unless findings would justify a depletion before that time.

(d) Personnel supervisor has had possibly 15 years mining experience. Supervision of operations will be under the direction of a geologist and engineer who has had over 10 years experience.

6. (a) Core drilling will be contracted at a maximum of $3.00 per foot for a total of 23,900 feet for a total cost of——————————————$71,700.00

(b)

Labor, 5 full time men at $1.90 per hour	$19,760.00
1 Engineer and 1 Geologist, Consulting	5,000.00
1 Full time Geologist to direct operations	10,000.00
	$34,760.00

6. (contd.)

(c) Fuel ---------- $ 600.00
Miscellaneous Hand Tools ---------- 125.00
$ 725.00

(d) 1 TD18 Bulldozier rental at $100.00 per day for 90 days ---------- $ 9,000.00
1 Jeep station wagon, Jack Hammer, air Compressors owned to be furnished on a rental basis for 1 year ---------- 1,000.00
$10,000.00

(e) None

(f) 1 Bunk house complete approximately ---------- $ 1,200.00

(g) Analysis work ---------- $ 600.00
Accounting ---------- 700.00
Payroll taxes, workman's compensation, liability insurance approximately ---------- 3,000.00
$ 4,300.00

(h) $10,000.00

TOTAL $132,685.00

7. (a) Yes

(b) At present our expenditures for exploration work on this project will exceed $20,000.00 and we are prepared to furnish any balance required through the Directors of the Corporation. The expenditures covered thus far in our exploration work has been drift mining, open face mining, road building. We might further state that these claims are owned by the Cedar Ridge Uranium Corporation and subject to a royalty of 12½% with no obligations outside the Corporation.

224 New Customhouse
Denver 2, Colorado

November 2, 1954

Mr. C. H. Boswell, President
Cedar Ridge Uranium Corporation
1917 Westheimer, Suite 3
Houston, Texas

Re: Application for DMEA assistance (Uranium) Cedar Ridge Uranium Corporation, Cedar Ridge and Black Bird claims, Cedar Mountain District, Emery County, Utah.

Dear Mr. Boswell:

We are returning herewith your application for Government assistance to explore your property for uranium. You have failed to state what exploration work you propose to do. Question 5 (b) of the application form MF-103 must be answered fully. The map you submit with your application must show the location of your proposed work in relation to your property boundaries, existing workings and all important geologic features such as mineralized outcrops. We would appreciate having a copy of this map for each of the four application forms submitted.

Your cost estimate under item 6 should then be based on _____ feet of drilling as determined in the above paragraph, or whatever other proposals you may have to explore your property. Any proposals should, however, be truly exploratory as defined in Section 2 of the enclosed copy of DMEA Order-1 Amended.

Yours very truly,

W. H. KING

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

Enclosures

RDB:dm
cc: Subject
RDBerkenkotter
Chron

CEDAR RIDGE URANIUM CORPORATION

SUITE 3, JOHN HANCOCK BLDG.
1917 WESTHEIMER • PHONE JU-5112
HOUSTON, TEXAS

November 24, 1954

Mining Division
Date Rec'd.

NOV 26 1954

BUREAU OF MINES
Denver, Colorado

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

Dear Mr. King:

In reply to your letter of November 2nd, I am returning application forms along with maps showing locations and depth of core holes. You will note that this has been setup in two parts and cost basis are on one years work. However, if work can be executed in less time it will cut down the cost and we feel that after drilling the core holes outlined in Part 1 we would have sufficient information to determine whether or not Part 2 would be necessary.

Would appreciate any consideration you may give this application.

Yours very truly,

CEDAR RIDGE URANIUM CORPORATION

C. H. Boswell, President

CHB:bb

encls:

1917 Westheimer

B. GEEKIE COBB, B. Sc., E.M.
CONSULTING ENGINEER
46 GLENMOUNT PARK ROAD
TORONTO 12 ONTARIO

ELECTRO METALLURGY
MINE EXAMINATION
ORE DRESSING RESEARCH

CABLE ADDRESS
ESTANO, TORONTO
CASILLA 206
ORURO, BOLIVIA

from
RED ROCK LODGE.
MOAB. Utah.

REPORT ON PRELIMINARY EXAMINATION OF CEDAR RIDGE URANIUM PROPERTIES LOCATED IN EMERY COUNTY, UTAH.

August 17th. 1 9 5 4.

REPORT ON PRELIMINARY EXAMINATION OF CEDAR RIDGE URANIUM PROPERTIES, LOCATED IN EMERY COUNTY, UTAH.

At the request of, and in company with Mr. J. C. Bonham, the writer went to the above mentioned properties and made an examination of the general conditions and formations presented, with particular reference to that part of the property on which some development work was in the process of being done.

LOCATION.

The group of claims under option to Mr. J. C. Bonham are located in the Cedar Mountain district, some 12 miles S and E of Cleveland, Emery County, Utah. on only a portion of one claim was there any evidence of exploratory work performed.

DEVELOPMENT.

A bulldozer was engaged in removing the face of the small cliff, on two levels, and had cut down to the face of a hard shale, which is overlying the Morrison formation. Some evidence of Uranium mineralisation was in evidence, but this was extremely spotty, and it would be difficult to estimate the value of any of this overburden due to the fact that it was possible to obtain a fairly high count in portions of the shale and surrounding talus, whilst a few inches away the count was slight.

GEOLOGY.

Erosion has been extensive over the whole area, and the detritus covered the Morrison formation fairly completely. There is evidence of Brushy Basin formation as well as Mancos shale. Considerable Limonite was observed, and well as vegetal trash, and the overlying shale was very tight and hard. On the upper level distince evidence

of Copper mineralisation was presented,and several samples of this material gave high readings of Uranium content.
However it is evident that this overburden can not be looked on as a reliable ore source. Undoubtedly the solid Morrison formation underlies the Cretaceous overburden,and this may very possibly be well mineralised,since due to the heavy overburden,there is less liklihood of extensive leaching or weathering of the mineral which might be contained in the underlying Morrison stratum.
An examination of the shale and detritus by high power microscope disclosed a general silicification of the shale,which renders this hard,and gives little evidence of any mineralisation. No resemblance to the structure of the Morrison formation was observed, but co-relation with the general appearance of the Morrison in adjoining localities,and outcrops of the Morrison in the South,justifies the belief that this formation underlies the detritus overburden,and this would not be difficult to prove.

OBSERVATIONS AND RECOMMENDATIONS.

A location has already been uncovered,exposing the hard shale,and it is recommended that drilling be undertaken on this location. It would be preferable to core drill,and establish a definite pattern over an area. If conditions warrant,it would be desirable to remove the shale overburden,right down to the definite Morrison, and make a grid survey,once the drilling had given evidence of definite Uranium mineralisation. If this were too expensive,much valuable evidence which would justify production could be achieved by an adequate drilling campaign. It is not recommended that any further work with a dozer be done,unless a ripper could be secured

Report on Cedar Ridge property.

and this would facilitate the removal of the overburden, right down to the solid Morrison formation.

There is every evidence to justify the belief that this stratum exists below the Cretaceous overburden, and drilling would demonstrate this beyond question.

In general this property would seem to be encouraging, and certainly justifies adequate further exploration.

Respectfully submitted,

B. Geekie Cobb

B. Geekie Cobb.

August 18th. 1954.

RESUMÉ FOR J.W. DEANS

Age, 40. Born in Vernal, Utah. Geology and prospecting, fifteen years. Formerly associated with the Four Jacks Mining Company, Boise, Idaho, while working the Lucky Baldwin Mine at Centerville, Idaho; the James A. Kesgard Company (prospecting and mining), Emmett, Idaho; in partnership with Stewart Brothers Prospectors, Jensen, Utah (placer operations). Personal exploration for uranium and other heavy minerals in Wyoming, Utah, Oregon and California. Closely associated with prominent geologists including Dr. James Boyle, Mr. Coyne Thorne and B. Geekie Cobb.

Prospected the Green River area from Green River City, Wyoming to a point thirty miles north of Green River, Utah, on foot, a distance of approximately 250 miles requiring a period of approximately eighteen months. Became associated with the Moab Uranium Company when its operations began in January, 1954.

Began uranium exploration in the Colorado Plateau area in April, 1953. This work included a comprehensive study of the various geological formations commensurate with uranium deposits. In addition to his position as a vice president to the Moab Uranium Company, Mr. Deans is also acting as field director in charge of prospecting and developing of claims.

REPORT ON A GEOLOGICAL AND SCINTILOMETER SURVEY OF THE BLACK BIRD CLAIMS #1 THROUGH #10 AND THE CEDAR RIDGE CLAIMS #1 THROUGH #17

A close examination was made of a section of the Cedar Mountain area covering the Cedar Ridge and Blackbird Claims. They are in the Morrison formation which is the Mesozoic era of the upper Jurassic period. In this particular area there are variated shales containing uranium, titanium, cobalt, malochite, bentonite, manganese, lamonite and hematite.

The scinllator count on August 17, over a distance covering about 450 feet, averaged from .17 to 3.50. These readings were taken from along the face recently bulldozed out. An assayed sample taken from one point on the face, August 6, 1954, showed the following readings: Uranium, .50; cobalt, .066. No tests for other minerals were made.

The bulldozed face dips to the west about 11 degrees. Evidence of volcanic action, in addition to the above observations, leads the writer to believe that this area has excellent possibilities for commercial uranium production.

Respectfully submitted,

J W Deans

J.W. Deans, Field Director

THE BROWN LABORATORY

ROUTE 3
GRAND JUNCTION, COLORADO

ANALYTICAL DEPARTMENT

PHONE 1543-W

CERTIFICATE OF ANALYSIS

To J. C. Bonhan
c-o Pintus Motel
Price, Utah

Date 10-2-54

Material: Ore Samples - 2
Received: 10-1-54
For: Uranium Determinations

Order No. 1147-S

Lab. No.	Your No.	Description	Result
			% U_3O_8
1147-1	1		0.27
1147-2	2		0.57

W. D. Brown
Analyst.

OFFICIAL BUSINESS

224 NEW CUSTOMHOUSE
DENVER 2, COLORADO

6PM
1954
COLO.

Defense Minerals Exploration Administration
U.S. Dept. of the Interior
Interior Bldg.
Washington 25, D.C.

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

Gen 12/8
send to field

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. 3597
Metal or Mineral Uranium
Date Received
Estimated Cost $132,685
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: Cedar Ridge Uranium Corporation, 1917 Westheimer, Suite 3, Houston, Texas
(see attached page 1) (post office address letter 3/10/55)

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

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

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

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

3. *Applicant's property rights.*—(*a*) State the legal description of the land upon which you wish to explore, including all land which you possess or control that may be benefited by the exploration, and excluding any land or interest in land which is not to be included in the exploration project contract
(See attached page 1)

(*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 We have purchased claims outright from original claim stakers who have retained a royalty interest of 12½%

(*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 and Vanadium

(*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?

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

Explain in detail on acompanying paper.

CERTIFICATION

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

Dated 4th Nov, 1954

Cedar Ridge Uranium Corporation
(Applicant)

By O H Boswell
President

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

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

CEDAR RIDGE URANIUM CORPORATION
1917 Westheimer, Suite 3
Houston, Texas

PROPOSED CORE DRILLING OF CEDAR RIDGE AND BLACK BIRD MINING CLAIMS

The proposed core drilling to determine the economic worth of the subject claims has been plotted on the map attached namely; "Map of Core Drill Pattern". This map also shows all geologic features, ore leads, location of assayed samples and indicated dips. From this map it can be seen that there is either a faulted zone or possibly a dike in the middle of the claims. It is proposed to commence drilling in Cedar Ridge Claims #1 and #2 from the standpoint that the ore leads indicated in claim #2 and the assay sample #2 is indicative of a potential uranium-vanadium deposit. The formations dip west at approximately 11°. From field geological surveys the variated shades in this area contain uranium, titanium, cobalt, malochite, bentonite, manganese, limonite, hematite and vanadium. The scintillator count on August 17, 1954, in this area averaged .17 to 3.50.

It is evident that erosion has been extensive over the whole area. Consequently along the outcrops where leads are present considerable leaching and weathering has occurred. This is the area where the formations dip west at about 11°. It is therefore felt that following these outcrops down dip in the Morrison formation below the cretaceous overburden there is a distinct possibility that the ore content will improve. This, of course, will be proven by the core drill pattern established.

The core drilling is established in two parts. PART I concerns core drilling the more or less eastern half of the Cedar Ridge Claims primarily because more information is available on this area. With an 11° dip to the formations it is necessary to drill at varying depths. The evidence of geyserite indicate probable faulting which allowed the deposition of geyserite in a fault zone, so it is possible that the faulting will interrupt continuity of the ore deposits, yet reestablished beyond any faulted zone. Therefore, PART I is established to core drill using 35 core holes at the end of which time a reevaluation of depths to drill will probably have to be made.

PART I consists of 35 core holes drilled from 100 feet to 450 feet totalling 11,950 feet of hole drilled. The location of these core holes and their depths are shown on the attached map. It is estimated that these core holes will average a total of $3.00 per foot of hole drilled or $35,850.00.

PART II at this point is nebulous but can be expected to be of an approximate amount or about $71,700.00 for the total exploration work for core drilling.

CEDAR RIDGE URANIUM CORPORATION
1917 Westheimer, Suite 3
Houston, Texas

1. (a) Cedar Ridge Uranium Corporation, 1917 Westheimer, Suite 3, Houston, Texas. A Delaware Corporation qualified in Utah and Texas. C. H. Boswell, 1917 Westheimer, Houston, Texas, President; J. C. Bonham, Price, Utah, Vice President; Calvin Garwood, Jr., c/o Garwood & Garwood, Attorneys at Law, 1905 Second National Bank Bldg., Houston, Texas, Secretary-Treasurer; W. G. Stacy, West Building, Houston, Texas, Vice President.

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(b) Property known as Cedar Ridge Uranium Corporation mine.

(c) We have purchased claims outright from original claim stakers who have retained a royalty interest of 12½%.

(e) None

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Emery County, State of Utah, Office of County Recorder, Castle Dale, Utah.

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(c) (See page headed: "PROPOSED CORE DRILLING OF CEDAR RIDGE AND BLACK BIRD MINING CLAIMS".)

(d) The claims and workings are accessible by gravel road approximately 10 miles from the townsite of Cleveland. Shipping point is Thompson, Utah, approximately 55 miles. Can be reached by an all weather gravel road and pavement.

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(b) For the exploration of Uranium and Vanadium ores which are present in the area tc determine the depth and the exact location where mining should commence and block out the ore body.

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6. (contd.)

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	TOTAL	$132,685.00

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CEDAR RIDGE URANIUM CORPORATION
SUITE 3, JOHN HANCOCK BLDG.
1917 WESTHEIMER • PHONE JU-5112
HOUSTON, TEXAS

December 7, 1954

Mining Division
Date Rec'd
DEC - 1954
BUREAU OF MINES
Denver, Colorado

Mr. [illegible] H. King, Executive Officer DMEA
Field Team, Region IV
224 New Customs House
Denver 2, Colorado

Re: DMEA Application (Uranium)
Cedar Ridge and Black Bird Claims
Emery County, Utah

Dear Mr. King:

Referring to maps forwarded you December 6th showing core drilling work that has been done on the Cedar Ridge claims, in re-checking the map we find that the engineer was in error on the amount of ore recovered on claims #1 and #2. There was between 4 and 5 ton of ore recovered instead of the 400 tons shown on the map which is incorrect.

Sorry we did not notice this before maps were sent in but thought you should have the corrected information.

Yours very truly,

CEDAR RIDGE URANIUM CORPORATION

C. H. Boswell

C. H. Boswell, President

CHB:bb

224 New Customhouse
Denver 2, Colorado

November 2, 1954

Mr. C. H. Boswell, President
Cedar Ridge Uranium Corporation
1917 Westheimer, Suite 3
Houston, Texas

Re: Application for DMEA assistance (Uranium) Cedar Ridge Uranium Corporation, Cedar Ridge and Black Bird claims, Cedar Mountain District, Emery County, Utah.

Dear Mr. Boswell:

We are returning herewith your application for Government assistance to explore your property for uranium. You have failed to state what exploration work you propose to do. Question 5 (b) of the application form MF-103 must be answered fully. The map you submit with your application must show the location of your proposed work in relation to your property boundaries, existing workings and all important geologic features such as mineralized outcrops. We would appreciate having a copy of this map for each of the four application forms submitted.

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Yours very truly,

W. H. KING

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

Enclosures

RDB:dm
cc: Subject
RDBerkenkotter
Chron

CEDAR RIDGE URANIUM CORPORATION

SUITE 3, JOHN HANCOCK BLDG.
1917 WESTHEIMER • PHONE JU-5112
HOUSTON, TEXAS

November 24, 1954

Mining Division
Date Rec'd.

NOV 26 1954

BUREAU OF MINES
Denver, Colorado

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

Dear Mr. King:

In reply to your letter of November 2nd, I am returning application forms along with maps showing locations and depth of core holes. You will note that this has been setup in two parts and cost basis are on one years work. However, if work can be executed in less time it will cut down the cost and we feel that after drilling the core holes outlined in Part 1 we would have sufficient information to determine whether or not Part 2 would be necessary.

Would appreciate any consideration you may give this application.

Yours very truly,

CEDAR RIDGE URANIUM CORPORATION

C. H. Boswell, President

CHB:bb

encls:

1917 Westminster

B. GEEKIE COBB, B. Sc., E.M.
CONSULTING ENGINEER
[redacted]

ELECTRO METALLURGY
MINE EXAMINATION
ORE DRESSING RESEARCH

CABLE ADDRESS
ESTANO, TORONTO
CASILLA 206
ORURO, BOLIVIA

from
RED ROCK LODGE.
MOAB. Utah.

REPORT ON PRELIMINARY EXAMINATION OF CEDAR RIDGE URANIUM PROPERTIES LOCATED IN EMERY COUNTY, UTAH.

August 17th. 1 9 5 4.

REPORT ON PRELIMINARY EXAMINATION OF CEDAR RIDGE URANIUM PROPERTIES, LOCATED IN EMERY COUNTY, UTAH.

At the request of, and in company with Mr. J. C. Bonham, the writer went to the above mentioned properties and made an examination of the general conditions and formations presented, with particular reference to that part of the property on which some development work was in the process of being done.

LOCATION.

The group of claims under option to Mr. J. C. Bonham are located in the Cedar Mountain district, some 12 miles S and E of Cleveland, Emery County, Utah. on only a portion of one claim was there any evidence of exploratory work performed.

DEVELOPMENT.

A bulldozer was engaged in removing the face of the small cliff, on two levels, and had cut down to the face of a hard shale, which is overlying the Morrison formation. Some evidence of Uranium mineralisation was in evidence, but this was extremely spotty, and it would be difficult to estimate the value of any of this overburden due to the fact that it was possible to obtain a fairly high count in portions of the shale and surrounding talus, whilst a few inches away the count was slight.

GEOLOGY.

Erosion has been extensive over the whole area, and the detritus covered the Morrison formation fairly completely. There is evidence of Brushy Basin formation as well as Mancos shale. Considerable Limonite was observed, and well as vegetal trash, and the overlying shale was very tight and hard. On the upper level distince evidence

Report on on Cedar Ridge property.

of Copper mineralisation was presented,and several samples of this material gave high readings of Uranium content.
However it is evident that this overburden can not be looked on as a reliable ore source. Undoubtedly the solid Morrison formation underlies the Cretaceous overburden,and this may very possibly be well mineralised,since due to the heavy overburden,there is less liklihood of extensive leaching or weathering of the mineral which might be contained in the underlying Morrison stratum.
An examination of the shale and detritus by high power microscope disclosed a general silicification of the shale,which renders this hard,and gives little evidence of any mineralisation. No resemblance to the structure of the Morrison formation was observed, but co-relation with the general appearance of the Morrison in adjoining localities,and outcrops of the Morrison in the South,justifies the belief that this formation underlies the detritus overburden,and this would not be difficult to prove.

OBSERVATIONS AND RECOMMENDATIONS.

A location has already been uncovered,exposing the hard shale,and it is recommended that drilling be undertaken on this location. It would be preferable to core drill,and establish a definite pattern over an area. If conditions warrant,it would be desirable to remove the shale overburden,right down to the definite Morrison, and make a grid survey,once the drilling had given evidence of definite Uranium mineralisation. If this were too expensive,much valuable evidence which would justify production could be achieved by an adequate drilling campaign. It is not recommended that any further work with a dozer be done,unless a ripper could be secured

Report on Cedar Ridge property.

and this would facilitate the removal of the overburden, right down to the solid Morrison formation.

There is every evidence to justify the belief that this stratum exists below the Cretaceous overburden, and drilling would demonstrate this beyond question.

In general this property would seem to be encouraging, and certainly justifies adequate further exploration.

Respectfully submitted,

B. Geekie Cobb

B. Geekie Cobb.

August 18th. 1954.

RESUMÉ FOR J.W. DEANS

Age, 40. Born in Vernal, Utah. Geology and prospecting, fifteen years. Formerly associated with the Four Jacks Mining Company, Boise, Idaho, while working the Lucky Baldwin Mine at Centerville, Idaho; the James A. Kesgard Company (prospecting and mining), Emmett, Idaho; in partnership with Stewart Brothers Prospectors, Jensen, Utah (placer operations). Personal exploration for uranium and other heavy minerals in Wyoming, Utah, Oregon and California. Closely associated with prominent geologists including Dr. James Boyle, Mr. Coyne Thorne and B. Geekie Cobb.

Prospected the Green River area from Green River City, Wyoming to a point thirty miles north of Green River, Utah, on foot, a distance of approximately 250 miles requiring a period of approximately eighteen months. Became associated with the Moab Uranium Company when its operations began in January, 1954.

Began uranium exploration in the Colorado Plateau area in April, 1953. This work included a comprehensive study of the various geological formations commensurate with uranium deposits. In addition to his position as a vice president to the Moab Uranium Company, Mr. Deans is also acting as field director in charge of prospecting and developing of claims.

REPORT ON A GEOLOGICAL AND SCINTILOMETER SURVEY OF THE BLACK BIRD CLAIMS #1 THROUGH #10 AND THE CEDAR RIDGE CLAIMS #1 THROUGH #17

A close examination was made of a section of the Cedar Mountain area covering the Cedar Ridge and Blackbird Claims. They are in the Morrison formation which is the Mesozoic era of the upper Jurassic period. In this particular area there are variated shales containing uranium, titanium, cobalt, malochite, bentonite, manganese, lamonite and hematite.

The scinllator count on August 17, over a distance covering about 450 feet, averaged from .17 to 3.50. These readings were taken from along the face recently bulldozed out. An assayed sample taken from one point on the face, August 6, 1954, showed the following readings: Uranium, .50; cobalt, .066. No tests for other minerals were made.

The bulldozed face dips to the west about 11 degrees. Evidence of volcanic action, in addition to the above observations, leads the writer to believe that this area has excellent possibilities for commercial uranium production.

Respectfully submitted,

J W Deans

J.W. Deans, Field Director

THE BROWN LABORATORY

ROUTE 3
GRAND JUNCTION, COLORADO

ANALYTICAL DEPARTMENT

PHONE 1543-W

CERTIFICATE OF ANALYSIS

To J. C. Bonhan
c-o Pintus Motel
Price, Utah

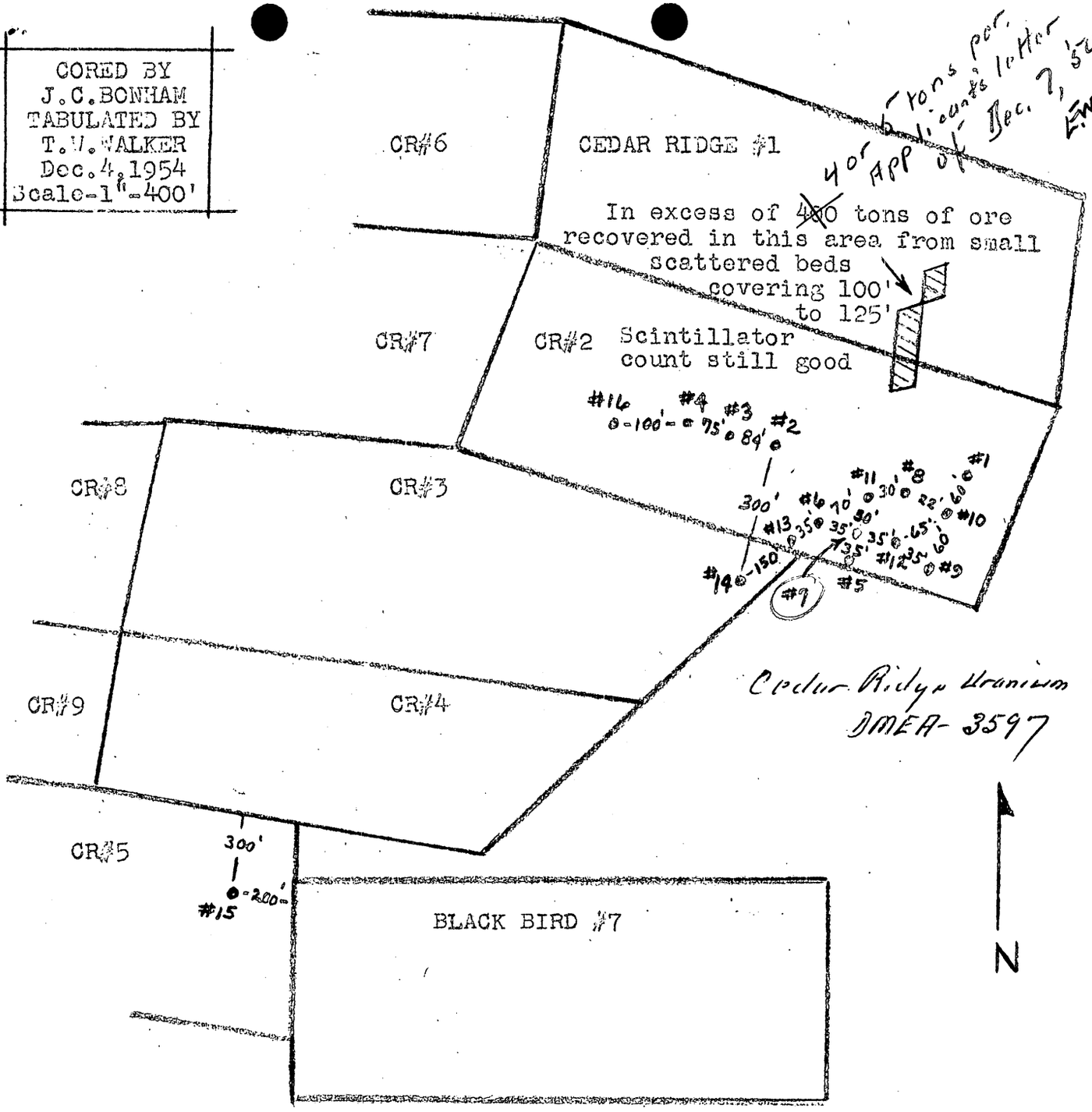
Date 10-2-54

Material: Ore Samples - 2
Received: 10-1-54
For: Uranium Determinations

Order No. 1147-S

Lab. No.	Your No.	Description	Result
			% U_3O_8
1147-1	1		0.27
1147-2	2		0.57

H. D. Brown
Analyst.



INSERT MAP TO SHOW NOVEMBER 1954 ACTIVITIES ON THE CEDAR RIDGE MINING CLAIMS

CORE HOLE	TOTAL DEPTH	DATE DRILLED	COUNT & DEPTH	REMARKS
#1	47'	Nov. 1	No check	Hit water sand 47'
#2	94'	Nov. 12	No check	Stuck pipe lost 11 joints
#3	45'	Nov. 13	Good 5'-13'	
#4	48'	Nov. 14	Good @ 19'	Fair count in sand @ 48'
#5	54'	Nov. 22	Good 3½'-6½'	Fair count to bottom.
#6	30'	NOv. 22	Good 8'-14'	Fair to good count to 30'
#7	18'	Nov. 23	Good to 17'	1/4% ore indicated 7'-11'
#8	36'	Nov. 23	Good 16'-36'	Ore indicated 21'-24½'
#9	30'	Nov. 24	Fair 23'-24½'	Top ore 9' no count
#10	30'	Nov. 24	Good 12'-14'	Fair 18'-24' ore 12'-14'
#11	27'	Nov. 24	Fair 18'-24'	Unable to drill waxy shale
#12	18'	Nov. 24	Good 9'-11'	Fair to 17' ore 9'-11' Unable to drill waxy shale
#13	60'	Nov. 25	Slight 0-3'	3'-60' dark grey shale
#14	52'	Nov. 25	None	Dark grey shale to 51'-Water
#15	55'	Nov. 26	Fair 55'	
#16	44'	Nov. 27	None	Favorable indications

Legend For Count-Slight, less than 1 point-Fair, 1 to 2-Good, 2-5. Backlog count allowed for using 100' probe. Elevation of Core Holes-Not run.

4/18/55-gla

224 New Customhouse
Denver 2, Colorado

April 8, 1955

Memorandum

To: Secretary to the Operating Committee, D.M.E.A.

From: D.M.E.A. Field Team, Region III

Subject: Report of Examination, DMEA Docket 3597 (Uranium), Cedar Ridge Uranium Corporation, Emery County, Utah.

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

We concur in the recommendation of the Field Examiners that the application be denied.

W. M. Traver

W. M. Traver

E. N. Harshman

E. N. Harshman

Encs.

Reviewed by
DMEA OPERATING COMMITTEE
4-20-55
(date)

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

DMEA
Date Rec'd.
MAR 5
BUREAU OF MINES
Denver, Colorado

March 18, 1955

TRANSMITTED
APR 8 1955

Memorandum

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

From: Stephen R. Wilson

Subject: Docket No. DMEA-3607 (Uranium), Cedar Ridge Uranium Corp., Emery County, Utah

Attached are the original and 10 copies of an engineering report covering examination of the subject property for DMEA loan appraisal. The report was prepared by W. E. Young. Also included are copies of a separate section, Summary, Conclusions and Recommendations, and three copies each of forms 6-[illegible] and 6-[illegible]. A copy of the geologic report transmitted to this office by your memorandum of March 11, 1955, is also included. A copy of the brochure originally sent to this office was mailed to the Geological Survey in Grand Junction for their use.

The applicant has requested a loan of $[illegible] to drill 61 diamond drill holes through the Brushy Basin member of the Morrison formation into the underlying Salt Wash member. Known mineralization on the property is found in the Brushy Basin member. There are no outcrops of the Salt Wash member on the property, and no geologic evidence is present to indicate favorable targets in the underlying Salt Wash. It is recommended that the loan request be denied. I concur in this recommendation.

Stephen R. Wilson
Stephen R. Wilson

Enclosures

Reviewed by
DMEA OPERATING COMMITTEE
4-20-55
(date)

SUMMARY, CONCLUSIONS AND RECOMMENDATIONS

By R. S. Babcock and W. R. Young

Cedar Ridge Uranium Corporation has applied for Government aid under docket No. DMEA 3597, to explore the Cedar Ridge and Black Bird uranium claims in Emery County, Utah. The property was examined by DMEA field personnel during January 1955, to appraise the loan request.

The applicant company has requested a loan of $132,685 to drill 42 diamond drill holes, totaling 23,900 feet. It is proposed that the drilling be accomplished to explore unspecified targets in the Salt Wash member of the Morrison formation.

The Cedar Ridge and Black Bird claims cover an outcrop of the Brushy Basin member of the Morrison formation. The Salt Wash member of this formation is not exposed on the applicant's claims but undoubtedly is present below the Brushy Basin, which appears to be approximately 500 feet thick in the area. The Salt Wash member outcrops in an area approximately one mile east of the applicant's property.

Exploration performed by the Cedar Ridge Uranium Corp. has disclosed uranium mineralization in thin sand lenses and mudstone near the top of the Brushy Basin member. A minor tonnage of ore has been sorted from the erratic occurrences. The applicant company has proposed drilling through the Brushy Basin into the Salt Wash, expecting the lower member to be mineralized. No specific objectives in the

Salt Wash member have been outlined. Mineralization in the Brushy Basin is believed too spotty and erratic to warrant further exploration.

There are no known uranium occurrences in the Salt Wash on the applicant's property, and no geologic evidence is present to indicate logical objectives for exploration in the Salt Wash below the outcropping Brushy Basin member. It is believed that the proposed exploratory work is a wildcat project. Recommendation is made that the loan request be denied.

CEDAR RIDGE URANIUM CORP.
CEDAR RIDGE AND BLACK BIRD CLAIMS
KERRY COUNTY, WYAM
DMRA-3597
Uranium

Engineering Report

By W. E. Young
Mining Engineer
Bureau of Mines

CEDAR RIDGE URANIUM CORP.
CEDAR RIDGE AND BLACK BIRD CLAIMS
EMERY COUNTY, UTAH

CONTENTS

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Summary	2
Introduction	2
Location, topography and physical features	3
History and production	3
Ownership and extent	3
Description of the deposits	4
Project proposals	4
Conclusions and recommendations	5

ILLUSTRATIONS

Fig. 1 Location map, Cedar Ridge Uranium Corp., Emery County, Utah

SUMMARY

Field examination of the Cedar Ridge and Black Bird groups of claims, Emery County, Utah, revealed spotty uranium mineralization in the Brushy Basin member of the Morrison formation. Exploratory work completed to date by the applicant consists of 16 wagon drill holes and considerable rim stripping with a bulldozer. Additional work proposed in the application is designed to explore the underlying Salt Wash member of the Morrison formation, which is known to be productive in other locations. This proposal consists of drilling 62 diamond drill holes spaced at 400-foot intervals. The cost of the project is estimated at $132,685. The Salt Wash member does not outcrop on the applicant's claims or in areas immediately adjacent to the claims. The Brushy Basin member is not known to be productive at other locations in the area. It is recommended that the loan be denied.

INTRODUCTION

The property of the Cedar Ridge Uranium Corp. was examined January 20, 1955, by a geologist of the Geological Survey and an engineer of the Bureau of Mines. The examination was made at the request of the Regional Field Team to determine the advisability of granting a Government assistance loan. Mr. J. C. Bonham, vice president of the applicant company, conducted the examining team over the property.

The applicant proposes to explore the property by diamond drilling 62 holes at an estimated cost of $132,685.

LOCATION, TOPOGRAPHY AND PHYSICAL FEATURES

The Cedar Ridge property is located approximately 10 miles southeast of Cleveland, Emery County, Utah, in sec. 1, T. 18 S., R. 10 E.; sec. 36, T. 17 S., R. 10 E.; sec. 6, T. 18 S., R. 11 E.; and sec. 7, T. 18 S., R. 11 E. (fig. 1). The claims cover an erosional valley with low, rolling hills surrounded by escarpments and steep cliffs. The property is accessible over existing dirt roads from Cleveland.

HISTORY AND PRODUCTION

The claims are held by right of location, and were purchased from the original owners, who retain a 12-1/2 percent royalty interest. Total production to date consists of 4 tons of ore. There is no stockpiled ore on the property. The applicant has completed 16 vapor drill holes aggregating 608 feet. Considerable bulldozer rim stripping has been done on Cedar Ridge Nos. 1 and 2 claims.

OWNERSHIP AND RIGHT

The property involved consists of the following unpatented mining claims, recorded in the office of the Emery County Recorder, Castle Dale, Utah:

Claim	Book	Page
Cedar Ridge 1 - 7	J-12	345-352
	J-12	419-420
	J-13	247-250
	J-16	72- 73
Black Bird 1 - 10	J-25	443-449
	J-28	60- 62

DESCRIPTION OF THE DEPOSITS

The Cedar Ridge and Black Bird claims cover an outcrop of the Brushy Basin member of the Jurassic Morrison formation. This formation, consisting of shales and marls with thin lenses of sandstone, is much thicker in this area than at surrounding locations. A persistent conglomerate member is also present.

The Salt Wash member does not outcrop in the immediate area of the claims but is reported to be exposed in the bottoms of washes to the north and east.

Uranium mineralization occurs in the shales and thin sandstone lenses near the top of the Brushy Basin. Conditions encountered by surface trenching and a limited amount of wagon drilling indicate this mineralization to be spotty and erratic.

PROJECT PROPOSALS

The applicant proposes to further explore the property by drilling 42 holes aggregating a total 23,900 feet. A map submitted with the application shows proposed locations of the holes. Information in the application is vague concerning any specified target

for the drilling, but the applicant stated the purpose is to explore the underlying Salt Wash formation. Proposed holes are spaced on 400-foot centers.

Interesting uranium mineralization occurs in the Brushy Basin member, but the applicant disclosed that past experience in trying to mine this ore has convinced the company it is too spotty to be commercial. For this reason, the applicant company is not interested in further exploration of this horizon. Because the Salt Wash member does not outcrop in the area of the claims, all proposed drilling would be of wildcat nature.

CONCLUSIONS AND RECOMMENDATIONS

Uranium mineralization of interest occurs in the Brushy Basin member of the Morrison formation in the area of the Cedar Ridge and Black Bird claims. The area is probably underlain by the Salt Wash member at considerable depth below the surface. There are no outcrops of the Salt Wash on the claims or in the immediately adjacent areas. Diamond drilling to explore the Salt Wash member would be in the nature of wildcat exploration. Company officials have signified no interest in further exploration of the Brushy Basin member. It is recommended that the application for lease be denied.

IN REPLY REFER TO:

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

DMEA
FEB 28 1955
BUREAU OF MINES
Denver, Colorado

February 25, 1955

TRANSMITTED
APR 8 1955

Memorandum

To: Field Team, Region III

From: E. N. Harshman

Subject: DMEA Docket 3597, Cedar Ridge Uranium Company, Cedar Ridge and Black Bird claims, Emery County, Utah

Enclosed are 11 copies of a geologic report by R. C. Robeck, U. S. Geological Survey, on the above subject application for exploration assistance.

The applicant proposes to core drill 35 holes totalling 11,950 feet through the Brushy Basin member of the Morrison formation into the underlying Salt Wash member. The holes will range in depth from 100 to 450 feet. Robeck concludes that the zones of the Brushy Basin from which the applicant took his samples are not potential ore zones, that the applicant has not shown that any uranium deposit exists in the Salt Wash on their claims, and that therefore there is no known target for exploration. Therefore, he recommends that the application be denied.

I concur with this recommendation.

The Survey copy of the application is returned herewith.

E. N. Harshman

E. N. Harshman
Member, Field Team

Enclosures (11)

EHHarshman:arh

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

February 16, 1955

TRANSMITTED
APR 8 1955

Memorandum

To: E. N. Harshman, DMEA Field Team, Region III

From: W. P. Williams

Subject: DMEA 3597, Cedar Ridge Uranium Company, Cedar Ridge and Black Bird claims, Emery County, Utah

Transmitted herewith are 11 copies of a geologic report by R. C. Robeck covering a field examination of the above-referenced property.

The applicant proposes drilling through the Brushy Basin member of the Morrison formation into the underlying Salt Wash member. Drill-hole depths would be in excess of 500 feet. Robeck concludes that because there is no outcrop of the Salt Wash member on the property, and because the applicant has not demonstrated the presence of geologic targets on the property, that the application for DMEA assistance be denied. I concur with Robeck's recommendations.

This application has been brought to the attention of the Exploration Division, U. S. Atomic Energy Commission, Grand Junction Operations Office. To date we have not received data from the Commission with regard to evaluation of the application. Should any information be forthcoming, it will be forwarded immediately.

We are also returning to you at this time the brochure covering this application.

WPWilliams

W. P. Williams,
Geologist

WPW/mlr
Enclosures

UNITED STATES DEPARTMENT OF THE INTERIOR

DOUGLAS McKAY, SECRETARY

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

DMEA 3597, Cedar Ridge Uranium Company, Cedar Ridge and Black Bird claims, Emery County, Utah

Uranium

Geologic Report

by

R. C. Robeck
U. S. Geological Survey

February 17, 1955

DMEA 3597

INTRODUCTION AND SUMMARY

The Cedar Ridge Uranium Company, through its President, Mr. Coswell, made an application to the Defense Minerals Exploration Administration for $132,685.00 (Government's share to be $99,513.75) to explore for uranium by drilling on the Cedar Ridge Nos. 1-17, 20 and 21, Black Bird Nos. 1-10 claims in sec. 1, T. 17 S., R. 10 E., SLPM, Emery County, Utah, (fig. 1). (Applicant had the range mislabeled as R. 10 W.)

A field examination of the property was made on January 20 by the writer in company with W. E. Young of the U. S. Bureau of Mines, J. C. Bonaham as company representative, and H. B. Dyer of the U. S. Geological Survey.

On the basis of the field examination, it is recommended that the application be denied.

GEOLOGY

The claims are on the extreme northwest extension of the San Rafael Swell. The stratigraphic section is as follows: The Salt Wash member of the Morrison formation is exposed in the canyon about 1 mile to the east of the claims. The overlying Brushy Basin shale member of the Morrison is approximately 500 feet thick and consists of variegated mudstones with some interbedded lenticular sandstones. Overlying this is a unit which carries the informal name of Buckhorn conglomerate. On the claims, dips vary from 1° to 5° NW. The applicant's vein stripping and sampling were done on some black mudstone zones near the top of Brushy Basin. The applicant stated that some thin irregular sands near these mudstones contained a higher percentage of uranium than the mudstone.

Examination of the black mudstone outcrop showed a yellow coating on fractures which might be autunite or betazippeite. Readings by a scintillator indicate a maximum uranium content between 0.1 and 0.2 percent, and most of this is probably present within the black mudstone.

APPLICANT'S PROPOSAL

The applicant proposed an extensive drilling program on the Cedar Ridge Nos. 1-10, 13-17, and Blackbird 6 and 7 claims, but the objective was not stated. Depths of proposed holes had no specific relationship to the actual geologic conditions. In the field the applicant stated that the Brusy Basin mudstones would not be the objective in drilling. Instead, the underlying Salt Wash sandstone would be the objective. However, there is no outcrop of the Salt Wash on their claims and they have not drilled into the Salt Wash.

The applicant has carried on a program of road building, rim stripping, and some shallow drilling. In the writer's opinion the applicant's report, work done in the field, and the personnel involved all indicate that the company is not competent to carry out a program such as they have proposed.

RECOMMENDATIONS AND CONCLUSIONS

The black mudstone zones of the Brushy Basin shale from which the applicant took his uranium samples is not considered a potential ore zone either by the applicant or the writer. The Salt Wash is considered by the applicant as a potential ore zone, but there is at present no known uranium deposits on their claims in the Salt Wash. It is recommended that the application be denied, as it proposes a "wildcat" prospecting program.

U.S. DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

DEFENSE MINERALS EXPLORATION ADMINISTRATION
DOCKET 3597

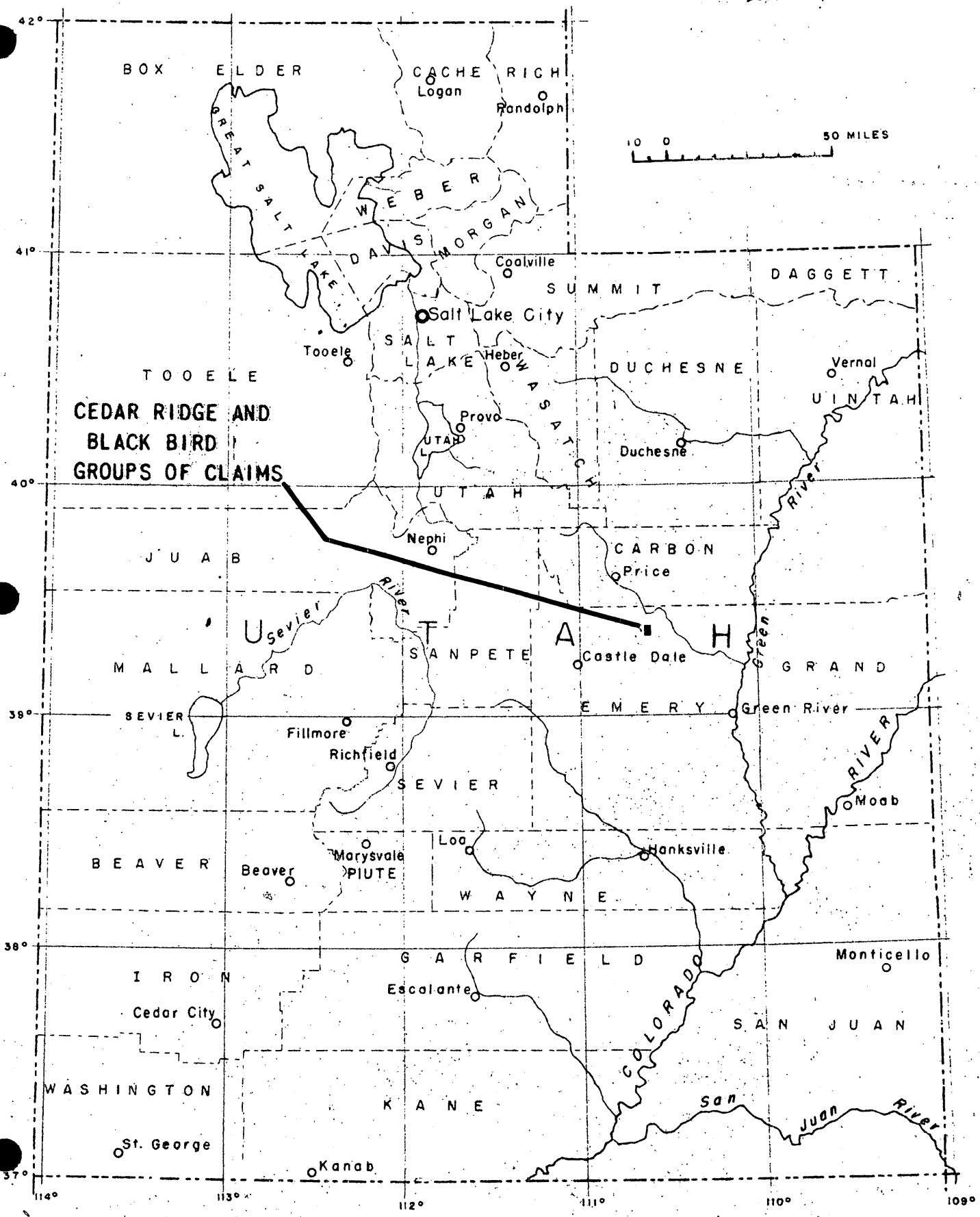
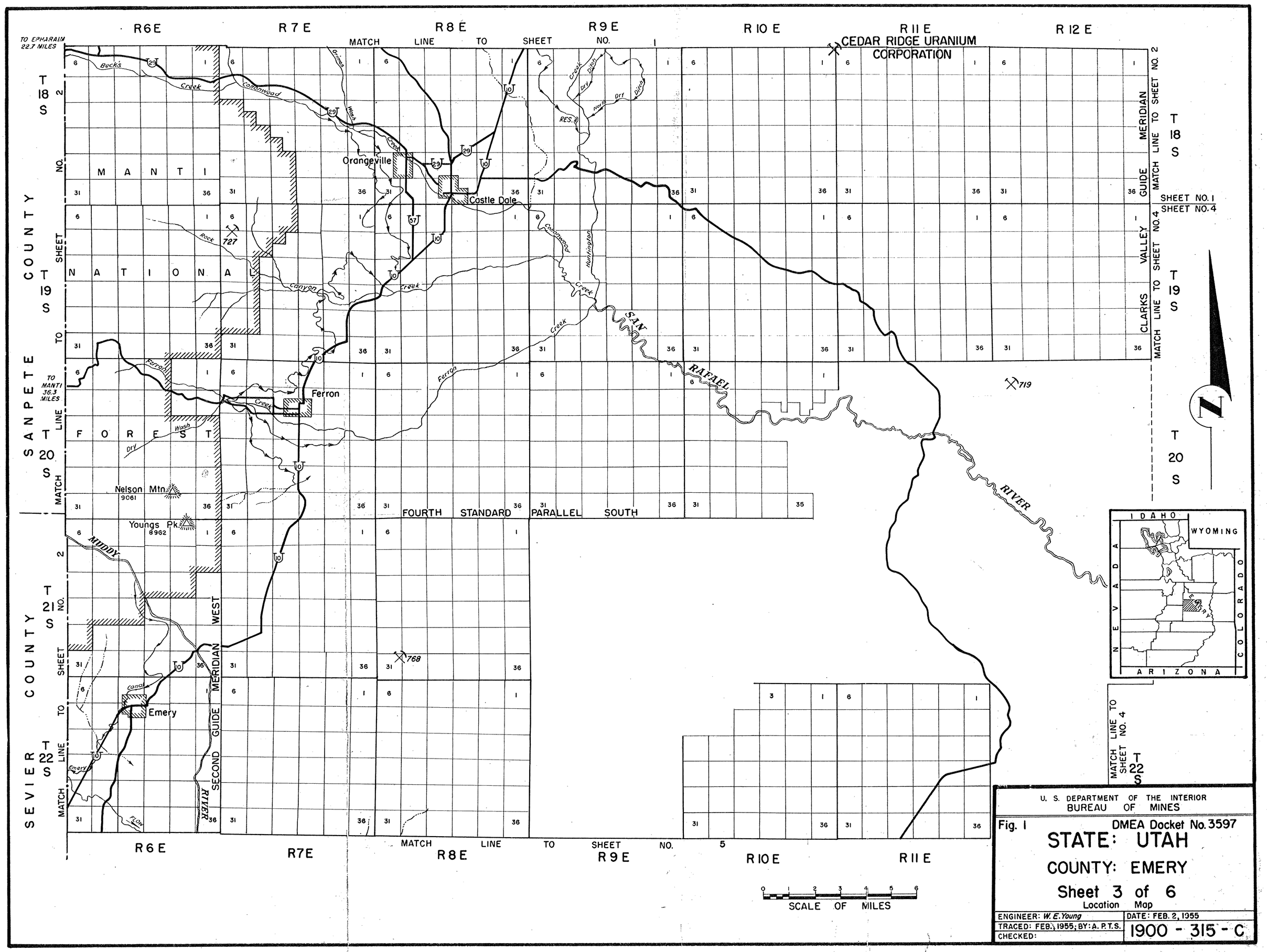


Figure 1. INDEX MAP OF UTAH SHOWING LOCATION OF THE CEDAR RIDGE AND BLACK BIRD GROUPS OF CLAIMS, CEDAR RIDGE URANIUM CO., EMERY COUNTY, UTAH



U. S. DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Fig. 1

DMEA Docket No. 3597

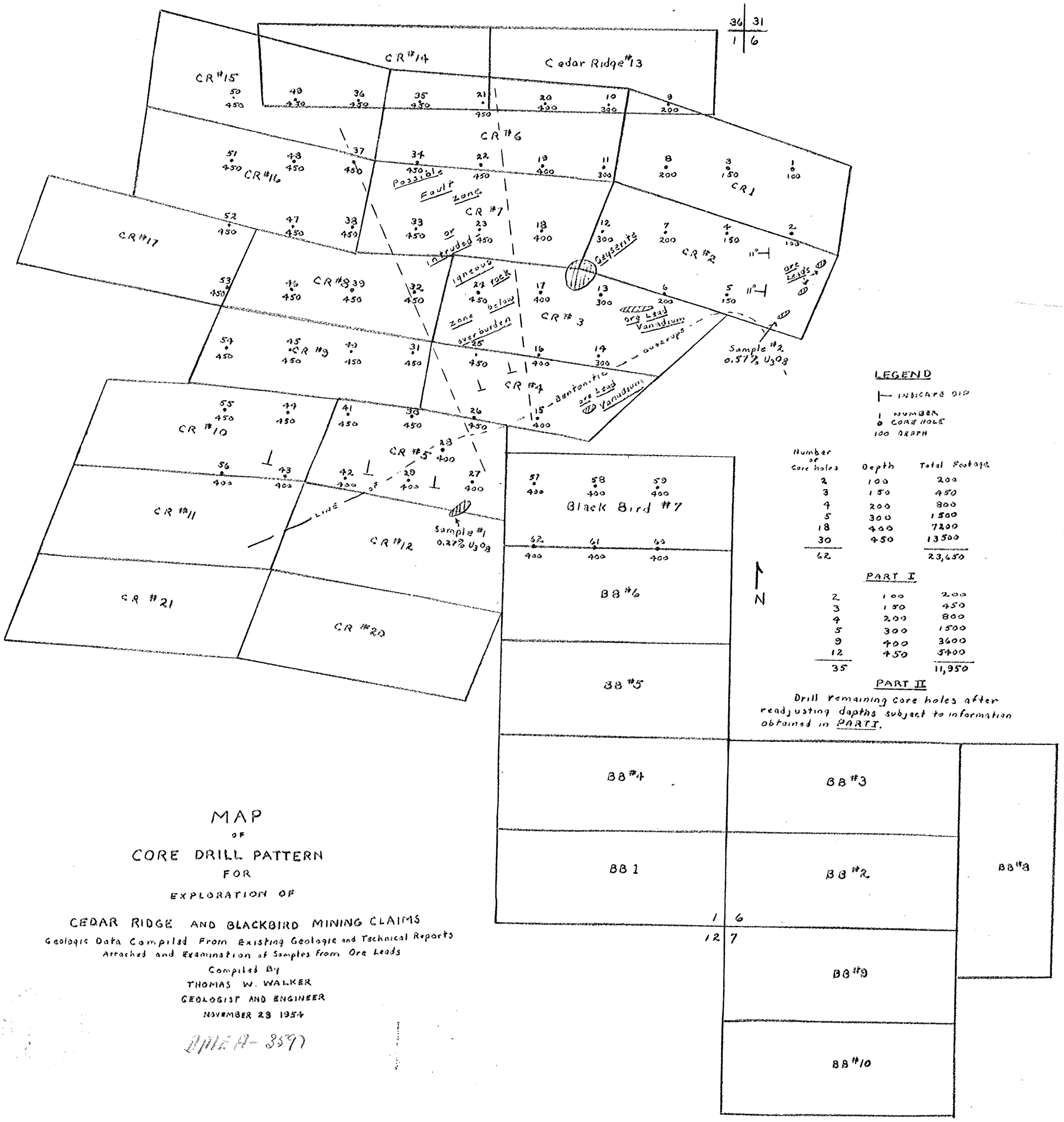
STATE: UTAH

COUNTY: EMERY

Sheet 3 of 6

Location Map

ENGINEER: W. E. Young	DATE: FEB. 2, 1955
TRACED: FEB., 1955; BY: A. P. T. S.	1900 - 315 - C
CHECKED:	



LEGEND

⊢ INDICATE DIP

1 NUMBER
• CORE HOLE
100 DEPTH

Number of Core holes	Depth	Total Footage
2	100	200
3	150	450
4	200	800
5	300	1500
18	400	7200
30	450	13500
62		23,650

PART I

2	100	200
3	150	450
4	200	800
5	300	1500
9	400	3600
12	450	5400
35		11,950

PART II

Drill remaining core holes after readjusting depths subject to information obtained in PART I.

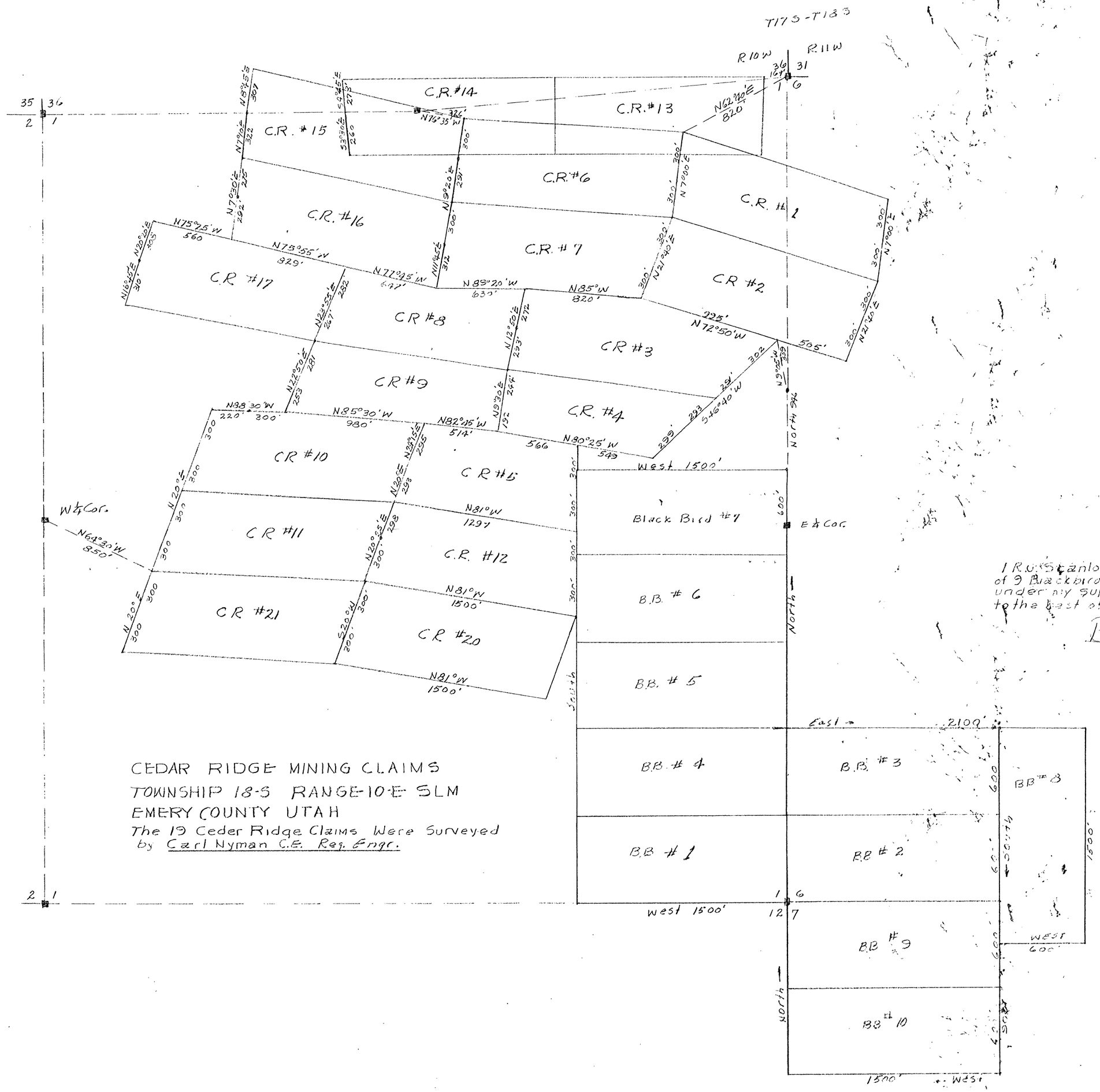
MAP
OF
CORE DRILL PATTERN
FOR
EXPLORATION OF
CEDAR RIDGE AND BLACKBIRD MINING CLAIMS

Geologic Data Compiled From Existing Geologic and Technical Reports Attached and Examination of Samples from Ore Leads

Compiled By
THOMAS W. WALKER
GEOLOGIST AND ENGINEER

NOVEMBER 28 1954

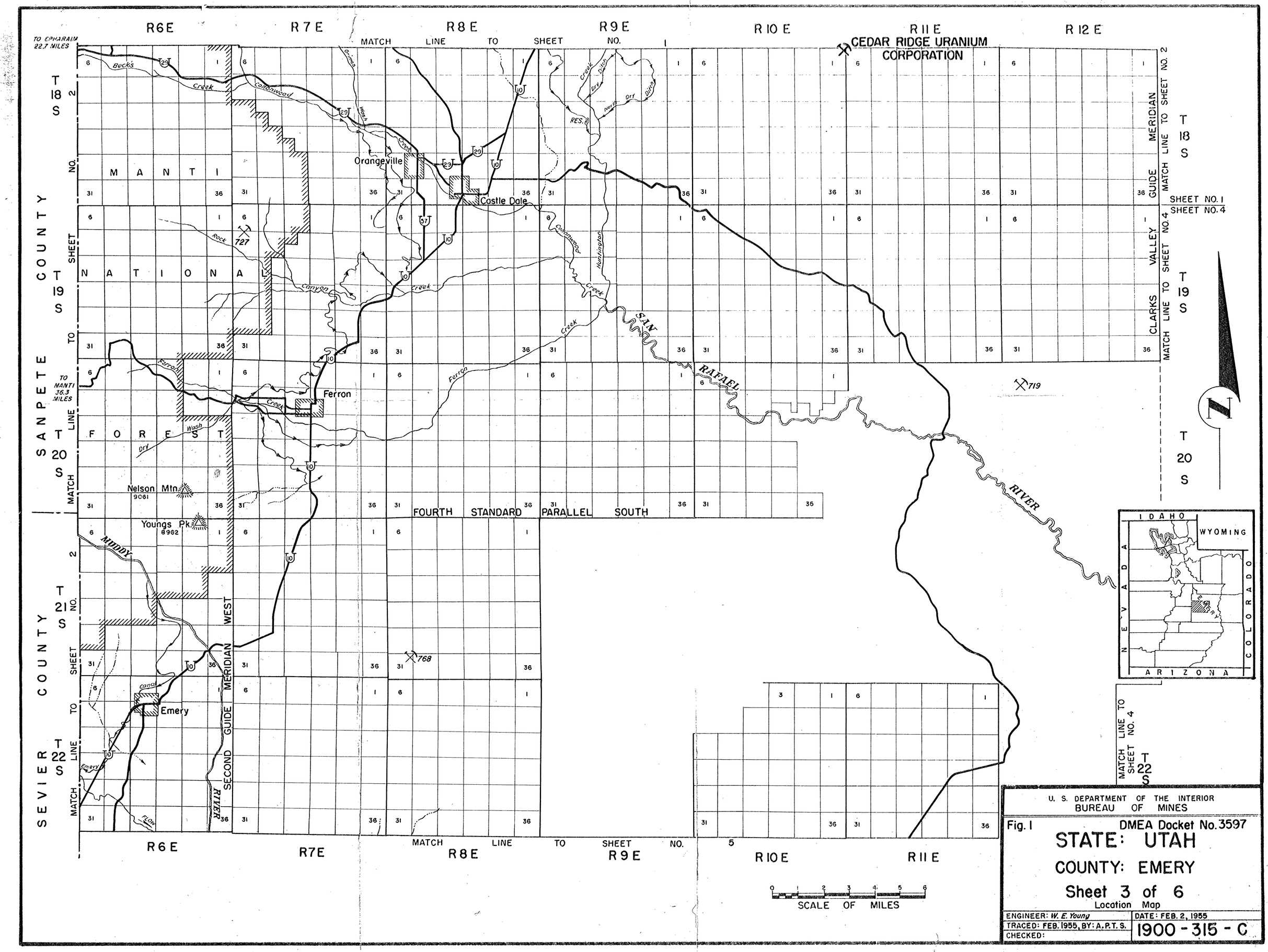
DMR A-3597



I R.U. Scanlon hereby certify that the Group of 9 Blackbird claims was surveyed and platted under my supervision and is true and correct to the best of my knowledge and belief.

R.J. Scanlon

CEDAR RIDGE MINING CLAIMS
TOWNSHIP 18-S RANGE-10-E SLM
EMERY COUNTY UTAH
The 19 Ceder Ridge Claims Were Surveyed by Carl Nyman C.E. Reg. Engr.



U. S. DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Fig. 1

DMEA Docket No. 3597

STATE: UTAH

COUNTY: EMERY

Sheet 3 of 6

Location Map

ENGINEER: W. E. Young	DATE: FEB. 2, 1955
TRACED: FEB. 1955, BY: A.P.T.S.	1900 - 315 - C
CHECKED:	