2/8/56 gla

IN REPLY REFER TO:

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

February 6, 1956

Memorandum

To: E. W. Ellis, DMEA

From: W. P. Williams, U.S.G.S.

Subject: Review of additional information from applicant, DMEA 3985, Simpson and Powell, Montezuma County, Colorado.

The subject property has been examined in the field; and a report of field examination, dated January 3, 1956, recommends denial of the application.

Additional data submitted by the applicant consists of a brief report on the property by Percy R. Krantz. The report consists almost entirely of generalizations about the Colorado Plateau. Very little is said about the subject property. As a result, the report does nothing to make necessary any change in the Field Team's recommendation that the application be denied.

W P Williams

W. P. Williams

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WASHINGTON 25, D. C.

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W. P. Williams

WPWilliams:sk
G-2/6/56

cc: Director's Reading - 4212
Branch Reading - 4212
DMEA (3)
Docket File
J. E. Crawford - 3641
J. O. Hosted - 3210

RECEIVED
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G-2/6/56

cc: Director's Reading - 4212
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DMEA (3)
Docket File
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RECEIVED
FEB - 7 1956

Surname copy

700

Ching
Ellis
Gechan
Kilgaard
Selfridge
Johnson

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

JAN 27 1956

Messrs. Wayne W. Simpson
and R. W. Powell
P. O. Box 106
Dolores, Colorado

Re: Docket No. DMEA-3985 (Uranium)
Cliff House Claim Group
Montezuma County, Colorado

Gentlemen:

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

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

Careful study of all our information indicates to us that the probability of disclosing minable ore reserves is not sufficiently promising to justify Government participation. We regret to advise you that, under these circumstances, 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. Mitteager

Administrator

MChing/gla
1-26-56
cc to: Admr.'s Reading File
Operating Committee
Docket
Messrs. JECrawford, Rm. 3641
THKiilsgaard, Rm. 5224
JOHosted, Rm. 3210, GSA
Code 700
Mr. Ching
DMEA Field Team, Region III (2)

R.G.L.

DOCKET COPY

Ching
Ellis

January 26, 1956

Summary of Proposed Project

Object: Denial of application for an exploration project.

Docket No.: DMEA-3985

Commodity: Uranium

Applicant: Simpson and Powell, a partnership
P. O. Box 106
Dolores, Colorado

Property: 10 unpatented mining claims, Cliff House Nos. 4-13, Cross Canyon, Montezuma County, Colorado. Section, township, and range unknown. Claim corners tied to Mile 34 on Utah State line stadia survey by Applicant's engineer. Applicant is the owner.

Date of Application: September 8, 1955

Amount of Application: $25,000.00

Work Proposed: Core drill on 200-foot centers within the boundaries of the 10 claims. Approximately 8,333 feet of drill hole @ $3.00 per foot - $25,000.00. Applicant prepared to furnish all equipment.

Field Team Report:
January 3, 1956 - C. H. Roach, USGS, Glen Walker, USBM

The Salt Wash member of the Morrison formation is the only rock unit outcropping on the subject claims. In southwest Colorado the uppermost series of coalescing sandstone lenses in the Salt Wash is the main ore-bearing horizon. On the subject claims less than one-third of the area is underlain by the ore-bearing sandstone, and much of this area is characterized by very rough topography which materially reduces the area open to exploration. The ore-bearing sandstone itself does not appear to be favorable for the occurrence of significant ore deposits. Individual lenses are thin and do not appear to have much three-dimensional continuity. The associated mudstone is predomninantly red, and very little gray-green alteration is present.

No mineralized material was observed during the field examination and no radiometric anomalies were detected. Applicant stated that he knew of no mineralized outcrop in the entire Cross Canyon area. There are no known ore deposits in the general area of the property. The nearest mine is about 7 miles away but it is not producing at the present time. The total lack of even low-grade material or outcrops suggests that no significant ore deposits will be discovered in the area. Apparently no preliminary exploration work has been done on the property. Denial of the application is recommended.

Commodity Group Comments:

Geological Survey - W. P. Williams - January 12, 1956.

DMEA participation in an exploration project does not seem warranted on the property. Agrees with the Field Team that the application should be denied.

Bureau of Mines - John E. Crawford - January 25, 1956.

Discussed the report of examination with the AEC representative. Concurs in the Field Team recommendation of denial.

Rare and Miscellaneous Metals Division - Michael Ching - January 25, 1956

The application contained no information of an encouraging nature and the proposed drilling had no definite target. An examination was made only because the Grand Junction office and the AEC had no information on the potential of the area. The examination failed to reveal any signs of mineralization or favorable geological factors.

Conclusions and Recommendations:

The field examiners found nothing to warrant an exploration project. It is recommended that the application be denied.

Ernest Wm. Ellis

Ernest Wm. Ellis, Chief
Rare and Miscellaneous
Metals Division

1-26-56

RECEIVED
JAN 26 1956

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

January 25, 1956

Memorandum

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

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

Subject: Report of Examination, DMEA Docket 3985, Simpson and Powell, Cliff House claims, Montezuma County, Colo.

I have reviewed the report of examination of DMEA Docket 3985, dated January 5, 1956, and received in this office on January 24. I have also discussed it with Joseph O. Hosted, Washington representative of the Atomic Energy Commission.

W. W. Simpson and R. W. Powell applied for DMEA assistance in exploring for uranium on the Cliff House claims located in Montezuma County, Colo., by drilling an unspecified number of holes on a 200-foot grid pattern at $3.00 per foot of drilling. The estimated total cost of the project is $25,000.

The property was examined on October 20, 1955, by DMEA personnel. The examining team concluded that the ore-bearing sandstone of the Salt Wash member of the Cliff House claims is not favorable for ore deposition and the possibility of finding significant mineralization on the subject property is poor. The field team recommends that the application be denied.

We concur in the recommendation of the field team that the application for exploration assistance be denied. The results determined by the field examiners serve to substantiate my memorandum of October 3, 1955, in which was stated that the application did not merit a field examination.

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

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

RECEIVED
JAN 26 1956

January 25, 1956

Memorandum

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

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John E. Crawford

1-16-56 [illegible]

IN REPLY REFER TO:

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

RECEIVED
JAN 13 1956

January 12, 1956

Memorandum

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

From: W. P. Williams, U. S. Geological Survey

Subject: Review of Field Team Report, DMEA 3985, Simpson & Powell, Cliff House claims, Montezuma County, Colorado.

In a joint report of field examination the examining team points out that only about one-third of the area of the property is underlain by a potential ore-host rock, the Salt Wash member of the Morrison. Furthermore, the small amount of Salt Wash sandstone that is present is unfavorable for ore deposits by reason of the thin-bedded, lens-like nature of the sandstone and the character of the associated mudstones.

DMEA participation in an exploration project does not seem warranted on the property, and I agree with the Field Team that the application be denied.

W. P. Williams

W. P. Williams

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GEOLOGICAL SURVEY
WASHINGTON 25, D. C.

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DMEA participation in an exploration project does not seem warranted on the property, and I agree with the Field Team that the application be denied.

W. P. Williams

WPWilliams:iml
G-1/12/56

cc: Director's reading, 4212
Branch reading, 4212
DMEA (3)
Docket file
J. E. Crawford, 3641
J. O. Hosted, 3210

IN REPLY REFER TO:

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

RECEIVED
JAN 13 1956

January 12, 1956

Memorandum

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From: W. P. Williams, U. S. Geological Survey

Subject: Review of Field Team Report, DMEA 3985, Simpson & Powell, Cliff House claims, Montezuma County, Colorado.

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W. P. Williams

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G-1/12/56

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GEOLOGICAL SURVEY
WASHINGTON 25, D. C.

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Subject: Review of Field Team Report, DMEA 3985, Simpson & Powell, Cliff Range claims, Montezuma County, Colorado.

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G-1/12/56

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Branch reading, 4212
DMEA (3)
Docket file
J. E. Crawford, 3641
J. O. Hosted, 3210

1-16-56 dgm

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

January 5, 1956

224 New Customhouse
Denver 2, Colorado

Memorandum

To: Secretary to the Operating Committee, DMEA

From: Field Team, Region III

Subject: Joint Report of Examination, DMEA Docket 3985 (Uranium), Simpson and Powell, Cliff House claims, Montezuma County, Colorado

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

The examination revealed the total lack of rim mineralization and the absence of the ore bearing horizon of the Salt Wash over the greater part of the property.

We concur with the field examiners in their recommendation that the application be denied.

DMEA Field Team, Region III

By W. M. Traver
Executive Officer

Enclosures

RECEIVED
JAN 9 1956

Reviewed by
DMEA OPERATING COMMITTEE
1-18-56
(date)

DMEA
Date Rec'd.

JAN 5 1956

BUREAU OF MINES
Denver, Colorado

Region III

Building 20
Denver Federal Center
Denver 2, Colorado
January 4, 1956

Memorandum

To: Executive Officer, DMEA Field Team, Region III

TRANSMITTED

From: John F. Shaw
E. N. Harshman

JAN 5 1956

Subject: Examination Report docket DMEA 3985 (Uranium) Simpson and Powell (Cliff House claims) Montezuma County, Colorado

Enclosed are the original and nine copies of a Joint Engineering and Geologic Report by C. H. Beach, Geologist, and Glen Walker, Mining Engineer, covering docket DMEA 3985.

W. W. Simpson and R. W. Powell applied for exploration assistance to explore the Cliff House claims by drilling an unspecified number of holes at an estimated cost of $9.00 per foot. The estimated cost of the project was $25,000.00. The property was examined on October 20, 1955 by C. H. Beach, Geologist, and Glen Walker, Mining Engineer. The examining team concluded that there was little possibility of discovering a significant amount of uranium on the property.

It is recommended that the application be denied.

John F. Shaw
John F. Shaw
Supervising Mining Engineer

E. N. Harshman
E. N. Harshman
Member, Field Team

Enclosures

cc 9
EHHarshman
JMHasler
DMEA 3985
Chron

JFS/cm

Reviewed by
DMEA OPERATING COMMITTEE
1-18-56
(date)

JAN 9 1956

UNITED STATES
DEPARTMENT OF THE INTERIOR
Geological Survey
Colorado Plateau District
P. O. Box 360
Grand Junction, Colorado

December 21, 1955

Memorandum

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

TRANSMITTED

From: J. William Hasler

Subject: DMEA 3985 (Uranium) Simpson and Powell, Cliff House claims, Montezuma County, Colo.

JAN 5 1956

Enclosed is a joint engineering and geologic report on DMEA docket 3985, Simpson and Powell, Cliff House claims, Montezuma County, Colorado.

Messrs. W. W. Simpson and R. W. Powell of Dolores, Colorado, applied for DMEA assistance for exploration of uranium on 10 unpatented claims in Cross Canyon, Montezuma County, Colo. The application was referred to the field and the property was examined on October 20 by C. H. Roach and Glen Walker.

The Cliff House claims lie along the northwest rim of Cross Canyon, which is a tributary of McElmo canyon. The Salt Wash member of the Morrison is the only rock unit outcropping on the group of claims of the Salt Wash member of the Morrison, which is estimated to be about 350 feet thick in the vicinity of the Cliff House claims. During the field examination it was discovered that less than one-third of the area of the claims is underlain by the ore-bearing sandstone part of the Salt Wash member in the Morrison formation. The mudstone associated with the sandstone is predominantly red and the sandstone units occur as thin lenses, rather than having the necessary thickness for favorable ore deposition. No mineralized material was observed during the field examination of the Cliff House claims.

The applicant made no definite project proposal other than that they intended to spend $25,000 to drill for ore on their property.

It is concluded that the ore-bearing sandstone of the Salt Wash member on the Cliff House claims is not favorable for ore and the applicant does not present a program suitable for DMEA. It is, therefore, concluded that the chances for finding ore on the property are not good and that the application should be denied.

The Atomic Energy Commission was consulted with regards to the property.

Enclosed are the required number of maps and the applicant's brochure. I concur with the conclusions and recommendations of the examining team.

Reviewed by DMEA OPERATING COMMITTEE 1-18-56 (date)

J. William Hasler
J. William Hasler,
Geologist

JWH/vll
Enclosures

UNITED STATES
DEPARTMENT OF THE INTERIOR
DOUGLAS McKAY, SECRETARY

DEFENSE MINERALS EXPLORATION ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM
REGION III

TRANSMITTED

JAN 5 1956

DMEA 3985

SIMPSON AND POWELL

CLIFF HOUSE CLAIMS

MONTEZUMA COUNTY, COLORADO

Uranium

Reviewed by
DMEA OPERATING COMMITTEE
1-18-56
(date)

Joint Engineering and Geological Report

By

C. H. Roach, Geologist
Geological Survey

Glen Walker, Mining Engineer
Bureau of Mines

January 3, 1956

DMEA 3985

SIMPSON AND POWELL
CLIFF HOUSE CLAIMS
MONTEZUMA COUNTY, COLORADO

CONTENTS

Joint engineering and geologic report — Page

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Introduction 2
Acknowledgments 2
Location, topography, and physical features 2
History, production, and ownership 3
Geology and ore deposits 3
Minable ore reserves 4
Present status 4
Project proposals 5
Conclusions and recommendations 5

ILLUSTRATIONS

Figure — Follows page

1. Map showing ore-bearing horizon of the Salt Wash member on the Cliff House group of claims, Montezuma County, Colorado 4

DMEA 3985

SIMPSON AND POWELL
CLIFF HOUSE CLAIMS
MONTEZUMA COUNTY, COLORADO

SUMMARY

W. W. Simpson and R. W. Powell of Dolores, Colo., applied for DMEA assistance to explore for uranium ore on 10 unpatented claims in Cross Canyon, Montezuma County, Colo.

The proposal as stated in the application was to spend a total of $25,000.00 for drilling an unspecified number of holes at $3.00 per foot.

The property was examined October 20, 1955, in company with W. W. Simpson, one of the applicants. Simpson indicated that he proposed drilling a row of holes 100 feet apart parallel to the lower Salt Wash rim and from 50 to 100 feet behind it. At a later stage he anticipated drilling a few scattered holes from a higher Salt Wash rim; these holes would be an estimated 50 feet deeper than the first phase. This proposal was actually "dug" out of the applicant by questions and some suggestions. He actually had no definite plan but believed he or his partner could participate in a $25,000.00 loan.

The examination revealed the total lack of rim mineralization and the absence of the ore bearing horizon of the Salt Wash over the greater part of the property. There had been no prospect excavations made; no apparent effort made to find ore.

It is recommended that the application be denied.

INTRODUCTION

Messrs. W. W. Simpson and R. W. Powell, merchants of Dolores, Colo., applied for DMEA assistance to explore for uranium ores on 10 unpatented claims in Cross Canyon, western Montezuma County, Colo.

The applicants made no definite or specific project proposal other than to state they anticipated spending $25,000.00 to do some drilling at $3.00 per foot on their 10 claims.

Because the examining team found no evidence to indicate that significant ore deposits would be found by the proposed exploration program, or any modification of it, they recommend denial of the application for exploration assistance.

ACKNOWLEDGMENTS

W. W. Simpson guided the examiners to the property and attempted to give satisfactory answers to pertinent questions.

LOCATION, TOPOGRAPHY, AND PHYSICAL FEATURES

The exact location of the property is not definitely known except as indicated on the map accompanying the application; the applicant could not supply the section, township and range. He knew it was in Cross Canyon, western Montezuma County, Colo.

Cross Canyon, a tributary to McElmo Canyon, trends southwest. The Cliff House claims lie along the northwest rim of the canyon which is about 150 feet deep and 1/4 to 1/2 mile wide. The relief on the claims is not great except where a few scattered islands of upper Salt Wash crop out on the nearly level lower bench.

There is no usable mine timber on the property; the vegetation consists mainly of scrubby cedar, sage brush and very short native grasses.

Power for any type operation would have to be supplied by internal combustion engines.

There is an ample water supply reported within 1/2 mile of the property.

The labor situation appears favorable in the general area.

HISTORY, PRODUCTION, AND OWNERSHIP

There has been no production from the property.

Because it was determined the Government would not participate in exploration of the property its ownership was not investigated.

GEOLOGY AND ORE DEPOSITS

The Cliff House group of claims are located in the Cross Canyon area, Montezuma County, Colorado. The general area is characterized by nearly flat-lying sedimentary rocks which have been dissected to form "plateau and canyon" type of topography. No major structural features are present in the general area of the claims. The Salt Wash member of the Jurassic Morrison formation is the only rock unit outcropping on the group of claims. The Salt Wash member is estimated to be about 350 feet thick in the vicinity of the Cliff House claims. In south-western Colorado, the upper-most series of coalescing sandstone lenses in the Salt Wash member is the main ore bearing horizon and is referred to as the "ore-bearing sandstone". During the field examination, it was discovered that less than one-third (1/3) of the area of the claims

is underlain by the "ore-bearing sandstone" part of the Salt Wash member (see fig. 1). Much of the area underlain by the "ore-bearing sandstone" is characterized by very rough topography and materially reduces the area of exploration.

The "ore-bearing sandstone" on the Cliff House group of claims does not appear to be favorable for the occurrence of significant ore deposits. The mudstone associated with the "ore-bearing sandstone" is predominantly red, and very little gray-green alteration is present. Individual sandstone lenses are thin and do not appear to have much three-dimensional continuity. No mineralized material was observed during the field examination of the Cliff House claim group, and the applicant stated that he knew of no mineralized outcrops in the entire Cross Canyon area.

There are no known ore deposits in the general area of the Cliff House group of claims. The nearest mine is about seven miles away, but it is not producing at the present time. The total lack of even low grade mineralized material on outcrops in the entire area suggests that no significant ore deposits will be discovered in the area.

MINABLE ORE RESERVES

There are no known minable ore reserves on the property.

PRESENT STATUS

There has apparently been no exploration carried out on the claims. The applicant admits that only rim testing by Geiger counter has been done, with essentially negative results. No mineralized outcrops were seen during the examination and no radiometric anomalies were detected.

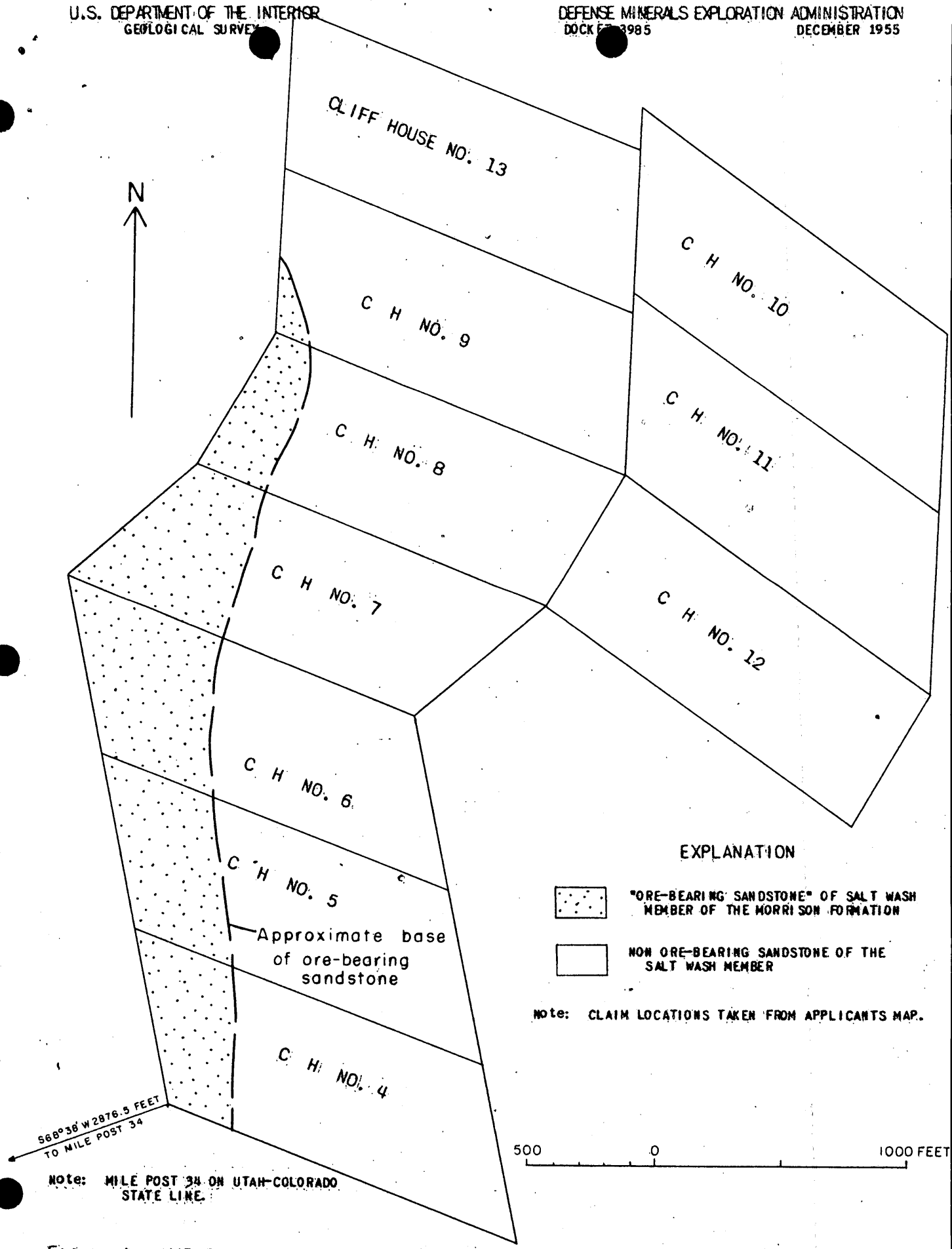

FIGURE 1. MAP SHOWING ORE-BEARING HORIZON OF THE SALT WASH MEMBER ON THE CLIFF HOUSE GROUP OF CLAIMS, MONTEZUMA COUNTY, COLORADO.

There is no equipment of any type on the property.

PROJECT PROPOSALS

The applicant indicated in the field he would be agreeable to drilling a row of holes about 100 feet apart parallel to a lower Jurassic Morrison Salt Wash rim. These holes would probably average 100 feet deep. At a later time the applicant proposed drilling a few holes in the widely scattered upper Salt Wash buttes. This work was estimated to cost $25,000.

The examining team does not propose an exploration project for the subject property.

CONCLUSIONS AND RECOMMENDATIONS

It is concluded that there is no geologic evidence to indicate the presence of significant uranium ore deposits on the Cliff House claims. Denial of the application for exploration assistance, DMEA docket 3985, is therefore recommended.

1-10-56 Sgm

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

January 5, 1956

224 New Customhouse
Denver 2, Colorado

Memorandum

To: Secretary to the Operating Committee, DMEA

From: Field Team, Region III

Subject: Joint Report of Examination, DMEA Docket 3985 (Uranium), Simpson and Powell, Cliff House claims, Montezuma County, Colorado

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

The examination revealed the total lack of rim mineralization and the absence of the ore bearing horizon of the Salt Wash over the greater part of the property.

We concur with the field examiners in their recommendation that the application be denied.

DMEA Field Team, Region III

By W. M. Traver
Executive Officer

Enclosures

Reviewed by
DMEA OPERATING COMMITTEE
1-13-56
(date)

DMEA
Date Rec'd.

JAN 5 1956

BUREAU OF MINES
Denver, Colorado

Region III

Building 20
Denver Federal Center
Denver 2, Colorado
January 4, 1956

Memorandum

TRANSMITTED

JAN 5 1956

To: Executive Officer, DMEA Field Team, Region III

From: John F. Shaw
R. N. Horshman

Subject: Examination Report docket DMEA 3965 (Uranium) Simpson and Powell (Cliff House claims) Montezuma County, Colorado

Enclosed are the original and nine copies of a Joint Engineering and Geologic Report by C. H. Roach, Geologist, and Glen Walker, Mining Engineer, covering docket DMEA 3965.

W. W. Simpson and R. W. Powell applied for exploration assistance to explore the Cliff House claims by drilling an unspecified number of holes at an estimated cost of $3.00 per foot. The estimated cost of the project was $25,000.00. The property was examined on October 26, 1955 by C. H. Roach, Geologist, and Glen Walker, Mining Engineer. The examining team concluded that there was little possibility of discovering a significant amount of uranium on the property.

It is recommended that the application be denied.

John F. Shaw
Supervising Mining Engineer

R. N. Horshman
Member, Field Team

Enclosures

as 9
Hitchcock
Jurisdiction
DMEA 3965
Chron

JFS/am

Approved by
DMEA OPERATING COMMITTEE

1-13-56
(Date)

UNITED STATES
DEPARTMENT OF THE INTERIOR
Geological Survey
Colorado Plateau District
P. O. Box 360
Grand Junction, Colorado

MINERAL DEPOSITS DATA RECEIVED
DEC 23 1955
U. S. GEOLOGICAL SURVEY DENVER, COLORADO

December 21, 1955

Memorandum

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

From: J. William Hasler

Subject: DMEA 3985 (Uranium) Simpson and Powell, Cliff House claims, Montezuma County, Colo.

TRANSMITTED
JAN 5 1956

Enclosed is a joint engineering and geologic report on DMEA docket 3985, Simpson and Powell, Cliff House claims, Montezuma County, Colorado.

Messrs. W. W. Simpson and R. W. Powell of Dolores, Colorado, applied for DMEA assistance for exploration of uranium on 10 unpatented claims in Cross Canyon, Montezuma County, Colo. The application was referred to the field and the property was examined on October 20 by C. H. Roach and Glen Walker.

The Cliff House claims lie along the northwest rim of Cross Canyon, which is a tributary of McElmo canyon. The Salt Wash member of the Morrison is the only rock unit outcropping on the group of claims of the Salt Wash member of the Morrison, which is estimated to be about 350 feet thick in the vicinity of the Cliff House claims. During the field examination it was discovered that less than one-third of the area of the claims is underlain by the ore-bearing sandstone part of the Salt Wash member in the Morrison formation. The mudstone associated with the sandstone is predominantly red and the sandstone units occur as thin lenses, rather than having the necessary thickness for favorable ore deposition. No mineralized material was observed during the field examination of the Cliff House claims.

The applicant made no definite project proposal other than that they intended to spend $25,000 to drill for ore on their property.

It is concluded that the ore-bearing sandstone of the Salt Wash member on the Cliff House claims is not favorable for ore and the applicant does not present a program suitable for DMEA. It is, therefore, concluded that the chances for finding ore on the property are not good and that the application should be denied.

The Atomic Energy Commission was consulted with regards to the property.

Enclosed are the required number of maps and the applicant's brochure. I concur with the conclusions and recommendations of the examining team.

J. William Hasler
J. William Hasler,
Geologist

Reviewed by DMEA OPERATING COMMITTEE
1-13-56
(date)

JWH/vll
Enclosures

UNITED STATES
DEPARTMENT OF THE INTERIOR
DOUGLAS McKAY, SECRETARY

DEFENSE MINERALS EXPLORATION ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM
REGION III

TRANSMITTED

JAN 5 1956

DMEA 3065

AIRCORE AND PORKER

CLIFF MINE PLATEAU

MONTEZUMA COUNTY, COLORADO

Remarks

Approved by
DMEA OPERATING COMMITTEE
1-13-56
(date)

Joint Engineering and Geological Report

By

C. H. Roach, Geologist
Geological Survey

Glen Walker, Mining Engineer
Bureau of Mines

January 3, 1956

DMEA 3985

SIMPSON AND POWELL
CLIFF HOUSE CLAIMS
MONTEZUMA COUNTY, COLORADO

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ILLUSTRATIONS

Figure	Follows page
1. Map showing ore-bearing horizon of the Salt Wash member on the Cliff House group of claims, Montezuma County, Colorado	4

DMEA 3985

SIMPSON AND POWELL
CLIFF HOUSE CLAIMS
MONTEZUMA COUNTY, COLORADO

SUMMARY

W. W. Simpson and R. W. Powell of Dolores, Colo., applied for DMEA assistance to explore for uranium ore on 10 unpatented claims in Cross Canyon, Montezuma County, Colo.

The proposal as stated in the application was to spend a total of $25,000.00 for drilling an unspecified number of holes at $3.00 per foot.

The property was examined October 20, 1955, in company with W. W. Simpson, one of the applicants. Simpson indicated that he proposed drilling a row of holes 100 feet apart parallel to the lower Salt Wash rim and from 50 to 100 feet behind it. At a later stage he anticipated drilling a few scattered holes from a higher Salt Wash rim; these holes would be an estimated 50 feet deeper than the first phase. This proposal was actually "dug" out of the applicant by questions and some suggestions. He actually had no definite plan but believed he or his partner could participate in a $25,000.00 loan.

The examination revealed the total lack of rim mineralization and the absence of the ore bearing horizon of the Salt Wash over the greater part of the property. There had been no prospect excavations made; no apparent effort made to find ore.

It is recommended that the application be denied.

INTRODUCTION

Messrs. W. W. Simpson and R. W. Powell, merchants of Dolores, Colo., applied for DMEA assistance to explore for uranium ores on 10 unpatented claims in Cross Canyon, western Montezuma County, Colo.

The applicants made no definite or specific project proposal other than to state they anticipated spending $25,000.00 to do some drilling at $3.00 per foot on their 10 claims.

Because the examining team found no evidence to indicate that significant ore deposits would be found by the proposed exploration program, or any modification of it, they recommend denial of the application for exploration assistance.

ACKNOWLEDGMENTS

W. W. Simpson guided the examiners to the property and attempted to give satisfactory answers to pertinent questions.

LOCATION, TOPOGRAPHY, AND PHYSICAL FEATURES

The exact location of the property is not definitely known except as indicated on the map accompanying the application; the applicant could not supply the section, township and range. He knew it was in Cross Canyon, western Montezuma County, Colo.

Cross Canyon, a tributary to McElmo Canyon, trends southwest. The Cliff House claims lie along the northwest rim of the canyon which is about 150 feet deep and 1/4 to 1/2 mile wide. The relief on the claims is not great except where a few scattered islands of upper Salt Wash crop out on the nearly level lower bench.

There is no usable mine timber on the property; the vegetation consists mainly of scrubby cedar, sage brush and very short native grasses.

Power for any type operation would have to be supplied by internal combustion engines.

There is an ample water supply reported within 1/2 mile of the property.

The labor situation appears favorable in the general area.

HISTORY, PRODUCTION, AND OWNERSHIP

There has been no production from the property.

Because it was determined the Government would not participate in exploration of the property its ownership was not investigated.

GEOLOGY AND ORE DEPOSITS

The Cliff House group of claims are located in the Cross Canyon area, Montezuma County, Colorado. The general area is characterized by nearly flat-lying sedimentary rocks which have been dissected to form "plateau and canyon" type of topography. No major structural features are present in the general area of the claims. The Salt Wash member of the Jurassic Morrison formation is the only rock unit outcropping on the group of claims. The Salt Wash member is estimated to be about 350 feet thick in the vicinity of the Cliff House claims. In south-western Colorado, the upper-most series of coalescing sandstone lenses in the Salt Wash member is the main ore bearing horizon and is referred to as the "ore-bearing sandstone". During the field examination, it was discovered that less than one-third (1/3) of the area of the claims

is underlain by the "ore-bearing sandstone" part of the Salt Wash member (see fig. 1). Much of the area underlain by the "ore-bearing sandstone" is characterized by very rough topography and materially reduces the area of exploration.

The "ore-bearing sandstone" on the Cliff House group of claims does not appear to be favorable for the occurrence of significant ore deposits. The sandstone associated with the "ore-bearing sandstone" is predominantly red, and very little gray-green alteration is present. Individual sandstone lenses are thin and do not appear to have much three-dimensional continuity. No mineralized material was observed during the field examination of the Cliff House claim group, and the applicant stated that he knew of no mineralized outcrops in the entire Green Canyon area.

There are no known ore deposits in the general area of the Cliff House group of claims. The nearest mine is about seven miles away, but it is not producing at the present time. The total lack of even low grade mineralized material on outcrops in the entire area suggests that no significant ore deposits will be discovered in the area.

MINABLE ORE RESERVES

There are no known minable ore reserves on the property.

PRESENT STATUS

There has apparently been no exploration carried out on the claims. The applicant admits that only rim testing by Geiger counter has been done, with essentially negative results. No mineralized outcrops were seen during the examination and no radiometric anomalies were detected.

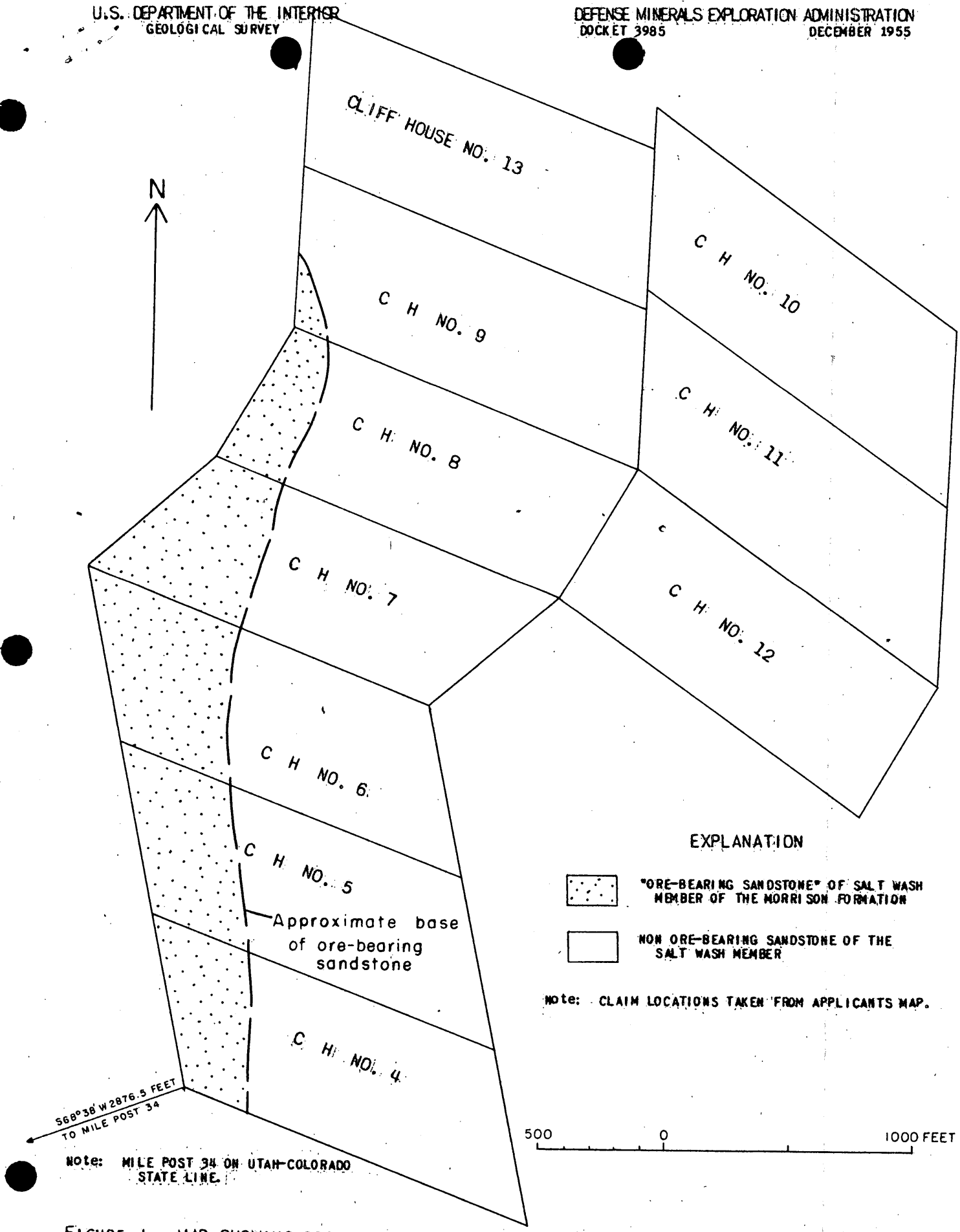


FIGURE 1. MAP SHOWING ORE-BEARING HORIZON OF THE SALT WASH MEMBER ON THE CLIFF HOUSE GROUP OF CLAIMS, MONTEZUMA COUNTY, COLORADO.

There is no equipment of any type on the property.

PROJECT PROPOSALS

The applicant indicated in the field he would be agreeable to drilling a row of holes about 100 feet apart parallel to a lower Jurassic Morrison Salt Wash rim. These holes would probably average 100 feet deep. At a later time the applicant proposed drilling a few holes in the widely scattered upper Salt Wash buttes. This work was estimated to cost $25,000.

The examining team does not propose an exploration project for the subject property.

CONCLUSIONS AND RECOMMENDATIONS

It is concluded that there is no geologic evidence to indicate the presence of significant uranium ore deposits on the Cliff House claims. Denial of the application for exploration assistance, DMEA docket 3985, is therefore recommended.

MF-500

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

REFERENCE SLIP

DATE 4/4/56

REFERRED TO:

DMEA
3985

1. Mails & Files
2.
3.
4.

FOR:

..... Action	..... Recommendation
..... Approval	..... Record of .....
..... Comment	
..... Conference	..... Referring to .....
..... Consideration	
✓ Filing	..... Reply for signature of .....
..... Instructions	
..... Investigation	..... Rewriting
..... Initials	..... Signature
..... Mailing	..... Suggestions
..... Previous correspondence	..... Your information

REMARKS:

Denied: 1-27-56.

Check (X) before the items needing attention.

Initials of sender.

GPO 16—63815-1

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

RECEIVED
SEP 28 1955

September 26, 1955

224 New Customhouse
Denver 2, Colorado

Memorandum

To: Chairman of the Operating Committee, DMEA

From: Field Team, Region III

Subject: Docket DMEA 3985, (Uranium), Simpson and Powell, Cliff House claims, Montezuma County, Colorado

Enclosed are four copies of a review of the subject application by the Grand Junction Office.

We concur that an examination of the property is in order, and we are forwarding our copy of the brochure for use by the engineer examiner.

W. M. Traver

W. M. Traver

E. N. Harshman

E. N. Harshman

Enclosures

IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Colorado Plateau District
P. O. Box 360
Grand Junction, Colorado

DMEA
Date Rec'd
SEP 26 1955
BUREAU OF MINES
Denver, Colorado

September 23, 1955

RECEIVED
SEP 28 1955

Memorandum

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

From: J. William Hasler and M. H. Salsbury

Subject: DMEA 3985 (Uranium), Simpson and Powell, Cliff House claims, Montezuma County, Colorado

The applicant has applied for Government assistance to explore for uranium on 10 claims in Montezuma County, Colorado.

We have no information on the potential of this area. The AEC has little information on this area as well.

Therefore, it is recommended that an examination be required before an evaluation of the property can be properly made.

J. William Hasler
J. William Hasler, Geologist

for J. William Hasler
M. H. Salsbury, Engineer

JWH/jc

cc: W. M. Traver (3)
DMEA File
DMEA Reading

DMEA
Date Rec'd.
SEP 13 1955
BUREAU OF MINES
Denver, Colorado

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

RECEIVED
SEP 16 1955

Not to be filled in by applicant

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

Docket No. DMEA-3985
Metal or Mineral Uranium
Date Received 9/16/55
Estimated Cost $25,000.00
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: Simpson and Powell - Furniture and Appliances
P.O. Box 1106
Dolores, Colo.

Wayne W. Simpson partner
R. W. Powell partner

(*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 Cliff House Mining Claim # 4 through # 13/3 as indicated on inclosed map.

(*b*) State any mine name by which the property is known. None

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

(*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. not applicable

(*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. See attached form.

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

(*b*) State past and current production, and ore reserves, if any, giving quantities and grades. None

(*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. See attached engineer's report

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

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

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

(*b*) Describe fully the proposed work, including a map or sketch of the property showing a plan (and cross sections if needed) of any present mine workings, and the location of the proposed exploration work as related to such features as contacts, veins, ore-bearing beds, etc. Core Drilling Operation

(*c*) The work will start within 90 days and be completed within 12 months from the date of an exploration project contract.

(*d*) State the operating experience and background of the applicant with relation to the ability to carry out such exploration project, and also that of the person or persons who will supervise the operations. See attached form

6. *Estimate of costs.*—Furnish a detailed estimate of the costs of the proposed work (you will have to use a separate sheet), under the following headings. Add the totals under all headings to give the estimated total cost of the project See form att.

(*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.). Not applicable

(*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. Not applicable

(*c*) *Operating materials and supplies.*—Furnish an itemized list, including items of equipment costing less than $50 each, and power, water and fuel. Not applicable

(*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. Not applicable

(*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. Not applicable

(*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 Not applicable

(*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. Not applicable

(*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. None

7. (*a*) Are you prepared to furnish your share of the cost of the proposed project in accordance with the regulations on Government participation (Sec. 7, DMEA No. 1)? Yes

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

☐ Money ☒ 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 September 8, 1955

Simpson and Powell
(Applicant)

By Wayne R. Simpson partner

R. W. Powell partner

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

RECEIVED
SEP 16 1955

No 3
(f) Cliff House Mining Claims Nos. 4 through No. 12 are recorded in Montezuma County Colorado as follows:

	Book No.	Page
Cliff House # 4	186	67
Cliff House # 5	186	68
Cliff House # 6	186	69
Cliff House # 7	186	70
Cliff House # 8	186	71
Cliff House # 9	186	72
Cliff House # 10	186	73
Cliff House # 11	186	74
Cliff House # 12	186	75
" " 13	186	76

No 4

No mining or exploration operations have been or now are being conducted.

Claims are accessable by good jeep road.

(d) Good access road within four miles of claims. Some road work would be necessary to facilitate trucking from claims to access road.

Distance to mill at Monticello, Utah 60 miles, to Durango, Colorado 65 miles, to Shiprock, New Mexico 65 miles.

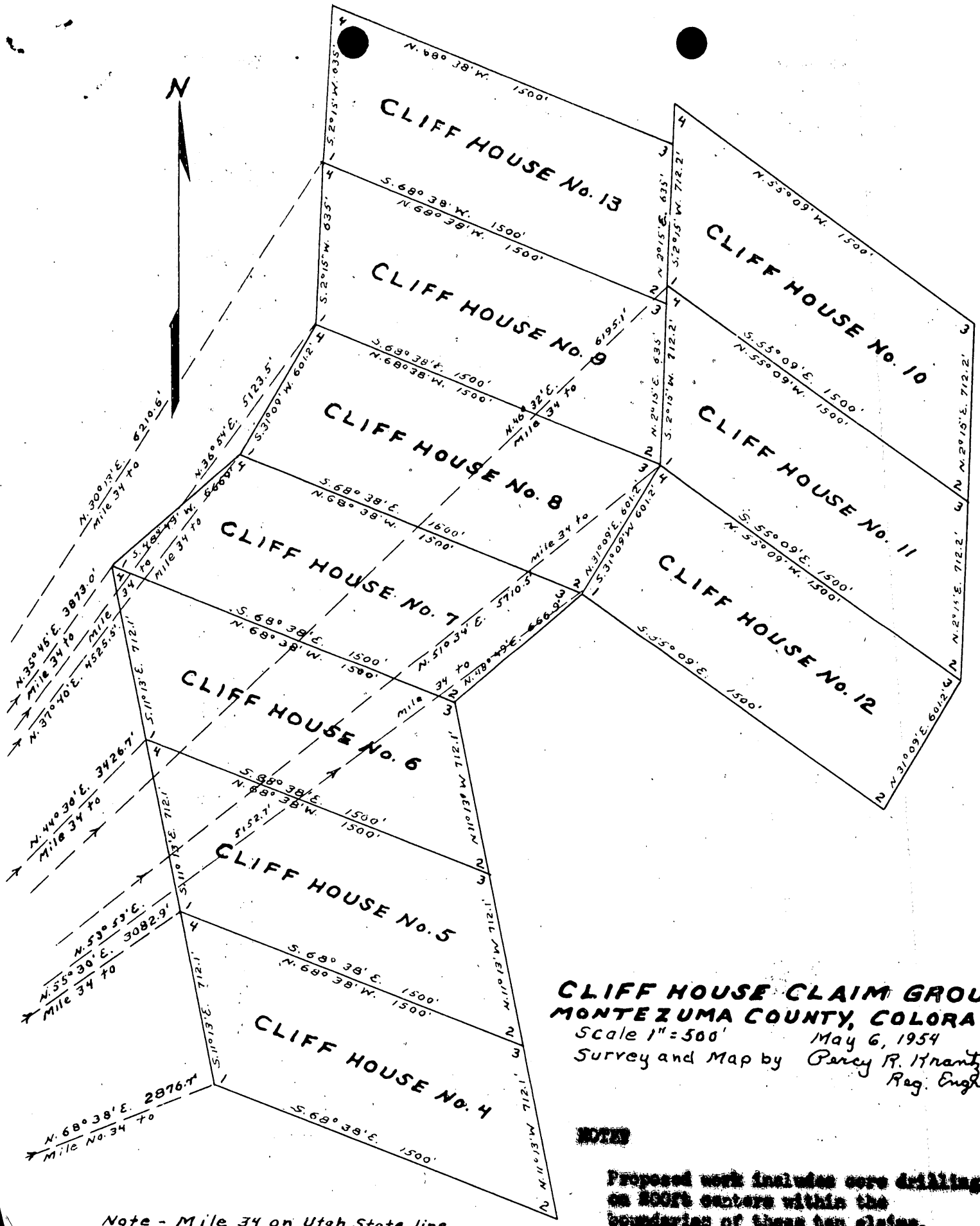
(e) Manpower - available locally
Materials, supplies and equipment available at Durango, Colorado.
Water - available at claims.
No electric power available

No 5
(d) Simpson & Powell have been doing Uranium exploration work for the past two years. Both are members of "Uranium Ore Producers Association". Mr. Bill Wood will be in charge of core drilling operations. Mr. Wood has been operating all types of drilling equipment for the past twenty years.

No 6

Cost of core drilling including all materials, cat work, labor, and supervision, Three Dollars ($3.00) per foot, not to exceed a total expenditure of $ 25,000.00.

No 7
(b) Simpson & Powell are prepared to furnish complete core drilling machinery, all necessary trucks, jeeps, catapillar and all small tools necessary for core drilling operations which equipment represents an investment in excess of $ 10,000.



CLIFF HOUSE CLAIM GROUP
MONTEZUMA COUNTY, COLORADO

Scale 1" = 500' May 6, 1954

Survey and Map by Percy R. Krantz
Reg. Engr.

NOTE

Proposed work includes core drilling on 800ft centers within the boundaries of these ten claims.

Note - Mile 34 on Utah State line
Stadia Survey

11/15/55 gla

SIMPSON & POWELL

Furniture - Appliances

Dolores, Colorado
November 9, 1955

P.O. Box 106 - Phone 4611

Re: Docket No. DMEA-3985 (Uranium)
Cliff House Claim Group
Montezuma County, Colorado

U. S. Department of the Interior
Defense Minerals Exploration Administration
Washington 25, D. C.
Attn: Mr. Frank E. Johnson

Dear Sir:

Thank you for your letter of October 13, 1955. In compliance with paragraph four I am inclosing three copies of a Geological Report by Percy Krantz.

Yours very truly,

Wayne W. Simpson

WAYNE W. SIMPSON
DBA Wayne W. Simpson & R. W. Powell
Box 106
Dolores, Colorado

RECEIVED
NOV 14 1955

PERCY R. KRANTZ
Mining Engineer and Geologist
October 25, 1954

Geological Reconnaissance Report
Chico, Cliff Houses, Big Texan, and Cedar Claims

Abstract-

The Salt Wash division which is the lower member of the Morrison formation is present on the furface of this group of claims.

Carnotite blossom - A prospector's and mining term, which consists of a thin film of Carnotite (An Uranium mineral) appearing on the surface of formation outcroppings in small patches. This blossom can be observed in places on the underlying side of protruding sandstone ledges.

Introduction-

The purpose of the examination was to determine if formations which are known to be favorable for the deposition of Uranium minerals were present on these claims.

The method by which this was determined was to go over the area, observing as much as possible the surface geology and formations present.

These claims are situated in the Cross Canyon area of Colorado and Utah and are thirty four miles north of the four corners. There is a dirt road thirty five miles in length, passable for passenger cars, from the U. S. Oil Highway No. 160 at Pleasant View, Colorado to these claims.

Recommendation-

That a thorough examination be made of the surface of these claims in conjunction with Scintillometer tests.

That a drilling program be initiated based upon the evidence produced by this examination.

Stratigraphy-

In the general area of the claims there are two formations that are exposed to view. The Dokota sandstone, a light rusty brown in color, resistant to weathering and forms the top rim of the canyons. Several Carbonaceous shale partings are in the formation and in places coal is found. This formation is upper Cretaceous in geologic age.

Underlying the Dakota sandstone is the Morrison formation which is upper Jurassic in geologic age. In this area it consists of two members. The top member being the Brushy Basin and the lower member being the Salt Wash. In this report we are concerned with the Salt Wash member, as it is this member that has produced better than ninety five percent of the Uranium ore mined in the Colorado Plateau area.

RECEIVED
NOV 14 1955

The Salt Wash member consists of sand lenses of a light buff to light brown in color, separated from each other by layers of shale or mudstone varigated in color from a red to a light green. In certain areas of the Colorado Plateau there are four sand lenses or rims all of which have produced Uranium ore.

Ore Deposits-

In the search for Uranium ore in the Morrison formation there are several physical characteristics, or one might say geological guides, that one looks for.

Thick lenses of sand are favorable for larger deposits of Uranium. The color is usually a light brown and in the vicinity of the deposits the sand stone is speckled with a resty colored iron stain.

The deposits occur in lenticular shapes locally known as rolls, having a short axis and a long axis and a thickness of inches to several feet. There is also a general trend within an area. Where there is one known deposit there are usually other deposits within the same area.

Within the deposits, silicified trees, carbonized fossil plant remains, and other carbonized brushey material are present, and usually are abundant.

Below the sand lenses and within the area of the deposits the original reddish color of the shales or mudstone has been altered to a light greenish color, varying in thickness of a foot to several feet, that graduates back to the reddish color in depth.

The largest percent of the element Uranium found in the Colorado Plateau occurs in the mineral Carnotite which is an oxide containing U_3O_8. This mineral is a Potassium, Uranium Vanadate. The color is canary yellow. The mineral is secondary in its origin. The Carnotite is impregnated thru the sand, in and around carbon spots, and in the outer peripheries of the silicified trees. In some instances entire fossil trees have been replaced by this mineral.

The source of the mineral is unknown; however, the presence of carbon, the silicified trees, the porosity of the sand within the deposits, and the altered shale or mudstone below the deposits suggest that they were chemical and structural controls for the deposition of the mineral Carnotite from the mineralizing circulating solutions.

Geological Observations on the Claims-

It is the Salt Wash member of the Morrison formation that is present on the surface of these claims. The sand lenses have a fair thickness in this area and have a low angle dip to the south and west.

The speckled rusty iron stain in the sand and some carbon and silicified trees can be observed in this area; also the altered shale or mudstone.

The Carnotite blossom can be observed in places in this area under the underlying sides of the protruding sandstone ledges.

The forgoing mentioned geological guides are favorable indications for the possible existance of Uranium deposits.

Development Program-

The proving of possible deposits will necessitate and exploratory program which will consist of drilling. A thorough examination of the surface should be made in conjunction with Scintallometer tests. Upon the evidence produced by this examination a drilling program to be initiated by drilling widely spaced holes and if a deposit is encountered the width and extent to be determined by short spaced holes. The extimated depth to be drilled will vary from fifty to two hundred or more feet.

Economic Considerations-

Some two miles to the north there is a property now in production of Uranium ore in the same formation.

There has been in the past and is at the present time Uranium ore is being mined in the Montezuma Creek area which is situated approximately six miles to the west.

Within the general area of the claims are several prospects that have favorable indications.

Conclusion-

The area appears favorable to me and it is my opinion that it would justify an exploratory program.

Respectfully submitted,

(Signed) Percy R. Krantz

-A true copy-

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

RECEIVED
OCT 21 1955

October 19, 1955

[illegible] New Customhouse
Denver 2, Colorado

Memorandum

To: J. F. Shaw
J. W. Hasler

From: Executive Officer, DMEA Field Team, Region III

Subject: DMEA Docket 3985 (Uranium), Simpson and Powell, Cliff House claim group, Montezuma County, Colorado

Attached for your information is a copy of a letter from the Chairman of the Operating Committee and memoranda of review of the subject application by John E. Crawford and E. H. Nelson, members of the Commodity Committee.

W. M. Traver
W. M. Traver

Enclosures

WMC:ab
cc: Sec. Opr. Comm. (2)
Harshman
Docket 3985
Chron.

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

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W. M. Traver
W. M. Traver

Enclosures

HMC:ab
cc: Sec. Opr. Comm. (2)
Harshman
Docket 3985
Chron.

Surname copy

700

Ching
Ellis
Selfridge
Robinson

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

OCT 13 1955

Mr. W. M. Traver
Executive Officer
DMEA Field Team, Region III
22d New Customhouse Building
Denver 2, Colorado

Re: Docket No. DMEA-3985 (Uranium)
Simpson and Powell
Cliff House Claim Group
Montezuma County, Colorado

Dear Mr. Traver:

This is with reference to your memoranda of September 14 and September 26, 1955, and enclosures, relating to the subject application.

Enclosed are two copies each of memoranda from John E. Crawford, USBM, dated October 3, and N. E. Nelson, USGS, dated October 7, 1955.

Since only one copy of a Geological Report by Percy Kramts accompanied the application, and that was forwarded to Grand Junction, we have requested the Applicant to supply three additional copies to this office.

Sincerely yours,

George C. Selfridge
Chairman, Operating Committee (S/G)

Enclosures

APPROVED:

/s/ Robert W. Geehan (S/G)
Member, Bureau of Mines

Thor H. Kiilsgaard (S/G)
Member, Geological Survey

HChing/gla
cc to: Admr.'s Reading File
Operating Committee
Docket
Messrs. JECrawford, Rm. 3641
THKiilsgaard, Rm. 5224
JOHosted, Rm. 3210, GSA
Code 700
Mr. Ching

R.S.S.

Surname copy

700

Ching
Ellis
Gechan
Kilpgaard
Selfridge

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

OCT 13 1955

Messrs. Wayne W. Simpson
and R. W. Powell
P. O. Box 106
Dolores, Colorado

Re: Docket No. DMEA-3985 (Uranium)
Cliff House Claim Group
Montezuma County, Colorado

Gentlemen:

The application for assistance in exploring the subject property under the captioned docket number has been reviewed by the Rare and Miscellaneous Metals Division.

The DMEA Field Team, Region III, Mr. W. H. Traver, Executive Officer, 224 New Customhouse Building, Denver 2, Colorado, will schedule a field examination of your property in the near future if it has not already done so.

Any assistance you may give the members of the Field Team will be appreciated.

It is noted that only one copy of a Geological Report by Percy Kranta accompanied the application. Since this copy is required by our field examiners, please forward three additional copies to this office.

Sincerely yours,

Frank E. Johnson

Acting Administrator

MChing/gla
10-11-55
cc to: Admr.'s Reading File
Docket
Code 700
Mr. Ching
DMEA Field Team, Region III (2)

RCh.

10/10/55 gla

IN REPLY REFER TO:

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

RECEIVED
OCT 10 1955

October 7, 1955

Re: DMEA 3985
Simpson and Powell
Cliff House Group
Montezuma Co., Colo.
$25,000 - Uranium

Memorandum

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

From: N. E. Nelson, U. S. Geological Survey

Subject: Review of application

The application as received lacks the engineer's report mentioned and no map shows where on the ten claims the drilling on 200-foot centers would be done.

I have information on Montezuma County but none on an area near Mile No. 34 on the Utah State line.

The Field Team has recommended an examination and may have such scheduled.

I concur with the recommendation.

N. E. Nelson

N. E. Nelson

IN REPLY REFER TO:

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

RECEIVED
OCT 10 1955

October 7, 1955

Re: DMEA 3955
Simpson and Powell
Cliff House Group
Montezuma Co., Colo.
$85,000 - Uranium

Memorandum

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

From: N. E. Nelson, U. S. Geological Survey

Subject: Review of application

The application as received lacks the engineer's report mentioned and no map shows where on the ten claims the drilling on 200-foot centers would be done.

I have information on Montezuma County but none on an area near Mile No. 34 on the Utah State line.

The Field Team has recommended an examination and may have such scheduled.

I concur with the recommendation.

N. E. Nelson

N. E. Nelson

Copy to: DMEA (3)

10/3/55 gla

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

October 3, 1955

Memorandum

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

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

Subject: Application for assistance, DMEA Docket 3985, Wayne W. Simpson and R. W. Powell, Cliff House Mining claims, Montezuma County, Colorado

I have reviewed the application for assistance, DMEA Docket 3985, and I have discussed it with Joseph O. Hosted, Washington representative of the Atomic Energy Commission.

Inasmuch as a copy of the engineer's report which the applicant provided the DMEA was not forwarded to this office with the application, it is impossible to make an evaluation of Messrs, Simpson and Powell's request for assistance. We assume that the engineer's report includes a geologic map of the claims with a proposed drilling program outlined. The map, which is attached to the application, shows only the number and dimensions of the claims. A notation is made on this map that proposed work includes core drilling on 200-foot centers, but does not locate holes or show their pattern with relation to favorable geologic horizons.

In conclusion, the data provided is wholly inadequate upon which to make any recommendations. The application in itself certainly does not warrant the initiation of a field examination.

We are forwarding the application to Thor Kilsgaard of the Geological Survey.

John E. Crawford
John E. Crawford

10/5/55 glu

September 28, 1955

Memorandum

To: John F. Shaw

From: Superintendent, Denver Experiment Station, Reg. III

Subject: Docket DMEA 3985 (Uranium), Simpson and Powell, Cliff House claims, Montezuma County, Colorado

The subject application in the amount of $25,000.00 is enclosed herewith. The brochure consists of:

1. Form NF-103
2. One supplementary sheet
3. One claim map
4. Copy of Executive Officer's memo of transmittal to this office.

A field examination and suitable report are required. The completed report should be sent directly to the Executive Officer with a copy of the memo of transmittal to this office.

W. H. King

Enclosures

Copy to: E. N. Kershman
J. W. Hasler
W. M. Traver (3)
Sec. Op. Comm. (2)

September 28, 1955

Memorandum

To: John F. Shaw

From: Superintendent, Denver Experiment Station, Reg. III

Subject: Docket DMEA 3985 (Uranium), Simpson and Powell, Cliff House claims, Montezuma County, Colorado

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W. H. KING
W. H. King

Enclosures

Copy to: E. N. Harshman
J. W. Hasler
W. M. Traver (3)
Sec. Dy. Comm. (2)

9/28/55-gla

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

RECEIVED
SEP 28 1955

September 26, 1955

224 New Customhouse
Denver 2, Colorado

Memorandum

To: Chairman of the Operating Committee, DMEA

From: Field Team, Region III

Subject: Docket DMEA 3985, (Uranium), Simpson and Powell, Cliff House claims, Montezuma County, Colorado

Enclosed are four copies of a review of the subject application by the Grand Junction Office.

We concur that an examination of the property is in order, and we are forwarding our copy of the brochure for use by the engineer examiner.

W. M. Traver

E. N. Harshman

Enclosures

IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

DMEA
Date Rec'd
SEP 26 1955
BUREAU OF MINES
Denver, Colorado

Colorado Plateau District
P. O. Box 360
Grand Junction, Colorado

RECEIVED
SEP 28 1955

September 23, 1955

Memorandum

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

From: J. William Hasler and M. H. Salsbury

Subject: DMEA 3985 (Uranium), Simpson and Powell, Cliff House claims, Montezuma County, Colorado

The applicant has applied for Government assistance to explore for uranium on 10 claims in Montezuma County, Colorado.

We have no information on the potential of this area. The AEC has little information on this area as well.

Therefore, it is recommended that an examination be required before an evaluation of the property can be properly made.

J. William Hasler
J. William Hasler, Geologist

J. William Hasler
for M. H. Salsbury, Engineer

JWH/je

cc: W. M Traver (7)
DMEA file
DMEA reading

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

RECEIVED
SEP 28 1955

September 26, 1955

...aw Customhouse
...ver 2, Colorado

Memorandum

To: Chairman of the Operating Committee, DMEA

From: Field Team, Region III

Subject: Docket DMEA 3985, (Uranium), Simpson and Powell, Cliff House claims, Montezuma County, Colorado

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W. M. Traver

W. M. Traver

E. N. Harshman

E. N. Harshman

Enclosures

IN REPLY REFER TO:
DMEA
Date Rec'd
SEP 26 1955
BUREAU OF MINES
Denver, Colorado

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Colorado Plateau District
P. O. Box 360
Grand Junction, Colorado

September 23, 1955

RECEIVED
SEP 26 1955

Memorandum

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

From: J. William Hasler and M. H. Salsbury

Subject: DMEA 3985 (Uranium), Simpson and Powell, Cliff House claims, Montezuma County, Colorado

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J. William Hasler
J. William Hasler, Geologist

for J. William Hasler
M. H. Salsbury, Engineer

JWH/jc

cc: W. M. Traver (7)
DMEA file
DMEA reading

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

RECEIVED
SEP 26 1955

September 26, 1955

22d New Customhouse
Denver 2, Colorado

Memorandum

To: W. E. King

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket DMEA 3985, (Uranium), Simpson and Powell, Cliff House claims, Montezuma County, Colorado

Enclosed is the subject application in the amount of $25,000.00. The brochure consists of Form MF--103 with one answer sheet and one claim map.

A field investigation and suitable report are requested.

W. M. Traver

Enclosure

HMC:ab
cc: Chair. Opr. Comm. (2)
Harshman
Hasler
Docket 3985
Chron.

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

RECEIVED
SEP 28 1955

September 26, 1955

224 New Customhouse
Denver 2, Colorado

Memorandum

To: W. H. King

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket DMEA 3985, (Uranium), Simpson and Powell, Cliff House claims, Montezuma County, Colorado

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W. M. Traver

Enclosure

HMC:ab
cc: Chair. Opr. Comm. (2)
Harshman
Hasler
Docket 3985
Chron.

September 20, 1955
Subject: DMEA-3985
Re: Exploration Assistance
Cliff House Claim

Simpson and Powell
Furniture and Appliances
P.O. Box 106
Dolores, Colorado

Gentlemen:

The receipt of your application dated September 8, 1955, for exploration assistance under the Defense Production Act of 1950, as amended, is hereby acknowledged.

Your application has been assigned Docket Number DMEA-3985 and referred to the Rare & Misc. 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

September 20, 1955

Memorandum

To: Executive Officer, DMEA Field Team, Region III

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 III.

DMEA- 3985 Simpson and Powell

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

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

RECEIVED
SEP 1 [illegible]

September 14, 1955

224 New Customhouse
Denver 2, Colorado

Memorandum

To: Secretary to the Operating Committee, DMEA

From: Executive Officer, DMEA Field Team, Region III

Subject: Application for DMEA Assistance, (Uranium), Simpson and Powell, Cliff House Claims, Montezuma County, Colorado

Enclosed are two copies of the subject application in the amount of $25,000.00. One copy of the application has been forwarded to the Grand Junction office for their recommendations, and one copy of the application is being retained in our file.

W. M. Traver

W. M. Traver

Enclosure

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

RECEIVED
SEP 16 1955

September 14, 1955

224 New Customhouse
Denver 2, Colorado

Memorandum

To: Secretary to the Operating Committee, DMEA

From: Executive Officer, DMEA Field Team, Region III

Subject: Application for DMEA Assistance, (Uranium), Simpson and Powell, Cliff House Claims, Montezuma County, Colorado

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W. M. Traver

Enclosure

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

RECEIVED
SEP 1 4 1955

September 14, 1955

224 New Customhouse
Denver 2, Colorado

Memorandum

To: J. W. Hasler

From: Executive Officer, DMEA Field Team, Region III

Subject: Application for DMEA Assistance, (Uranium), Simpson and Powell, Cliff House Claims, Montezuma County, Colorado

Enclosed is the subject application in the amount of $25,000.00. Only one copy of a Geological Reconnaissance Report by Percy Krantz accompanied the application, and it is included with your copy.

A review of the application in this office shows that the nearest uranium production is two miles north of the subject property. The proposed work is of a prospecting nature, and there seems to be little to be gained by asking the applicants for additional information which they obviously do not have.

Will you please discuss this application with the Bureau of Mines representatives in the Grand Junction office and forward your joint recommendations to the DMEA Field Team, Region III.

W. M. Traver

Enclosure

HMC:ab
cc: Sec. Oper. Comm. (2)
Shaw (2)
Harshman
Docket
Chron.

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

September 14, 1955

224 New Customhouse
Denver 2, Colorado

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W. M. Traver

W. M. Traver

Enclosure

HMC:ab
cc: Sec. Oper. Comm. (2)
Shaw (2)
Harshman
Docket
Chron.

DMEA
Date Rec'd.

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

SEP 13 1955

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

RECEIVED
SEP 16 1955
BUREAU OF MINES
Denver, Colorado

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

Not to be filled in by applicant

Docket No. DMEA-3985
Metal or Mineral Uranium
Date Received 9/16/55
Estimated Cost $ 25,000.00
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: Simpson and Powell — Furniture and Appliances
P.O. Box 1196
Wayne W. Simpson partner Dolores, Colo.
R. W. Powell partner

(*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 Cliff House Mining Claim # 4 through # ~~12~~ 13 as indicated on inclosed map.

(*b*) State any mine name by which the property is known. None

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

(*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. not applicable

(*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. See attached form.

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

(*b*) State past and current production, and ore reserves, if any, giving quantities and grades. None

(*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. See attached engineer's report

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

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

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

(*b*) Describe fully the proposed work, including a map or sketch of the property showing a plan (and cross sections if needed) of any present mine workings, and the location of the proposed exploration work as related to such features as contacts, veins, ore-bearing beds, etc. Core Drilling Operation

(*c*) The work will start within 90 days and be completed within 12 months from the date of an exploration project contract.

(*d*) State the operating experience and background of the applicant with relation to the ability to carry out such exploration project, and also that of the person or persons who will supervise the operations. See attached form

6. *Estimate of costs.*—Furnish a detailed estimate of the costs of the proposed work (you will have to use a separate sheet), under the following headings. Add the totals under all headings to give the estimated total cost of the project See form att.

(*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.). Not applicable

(*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. Not applicable

(*c*) *Operating materials and supplies.*—Furnish an itemized list, including items of equipment costing less than $50 each, and power, water and fuel. Not applicable

(*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. Not applicable

(*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. Not applicable

(*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 Not applicable

(*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. Not applicable

(*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. None

7. (*a*) Are you prepared to furnish your share of the cost of the proposed project in accordance with the regulations on Government participation (Sec. 7, DMEA No. 1)? Yes

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

☐ Money ☒ 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 September 8, 1955

Simpson and Powell
(Applicant)

By Wayne W. Simpson partner

Ruth Powell partner

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

RECEIVED
SEP 16 1955

No 3
(f) Cliff House Mining Claims Nos. 4 through No. 12 are recorded in Montezuma County Colorado as follows:

	Book No.	Page
Cliff House # 4	186	67
Cliff House # 5	186	68
Cliff House # 6	186	69
Cliff House # 7	186	70
Cliff House # 8	186	71
Cliff House # 9	186	72
Cliff House # 10	186	73
Cliff House # 11	186	74
Cliff House # 12	186	75
" " 13	186	76

No 4

No mining or exploration operations have been or now are being conducted.

Claims are accessable by good jeep road.

(d) Good access road within four miles of claims. Some road work would be necessary to facilitate trucking from claims to access road.

Distance to mill at Monticello, Utah 60 miles, to Durango, Colorado 65 miles, to Shiprock, New Mexico 65 miles.

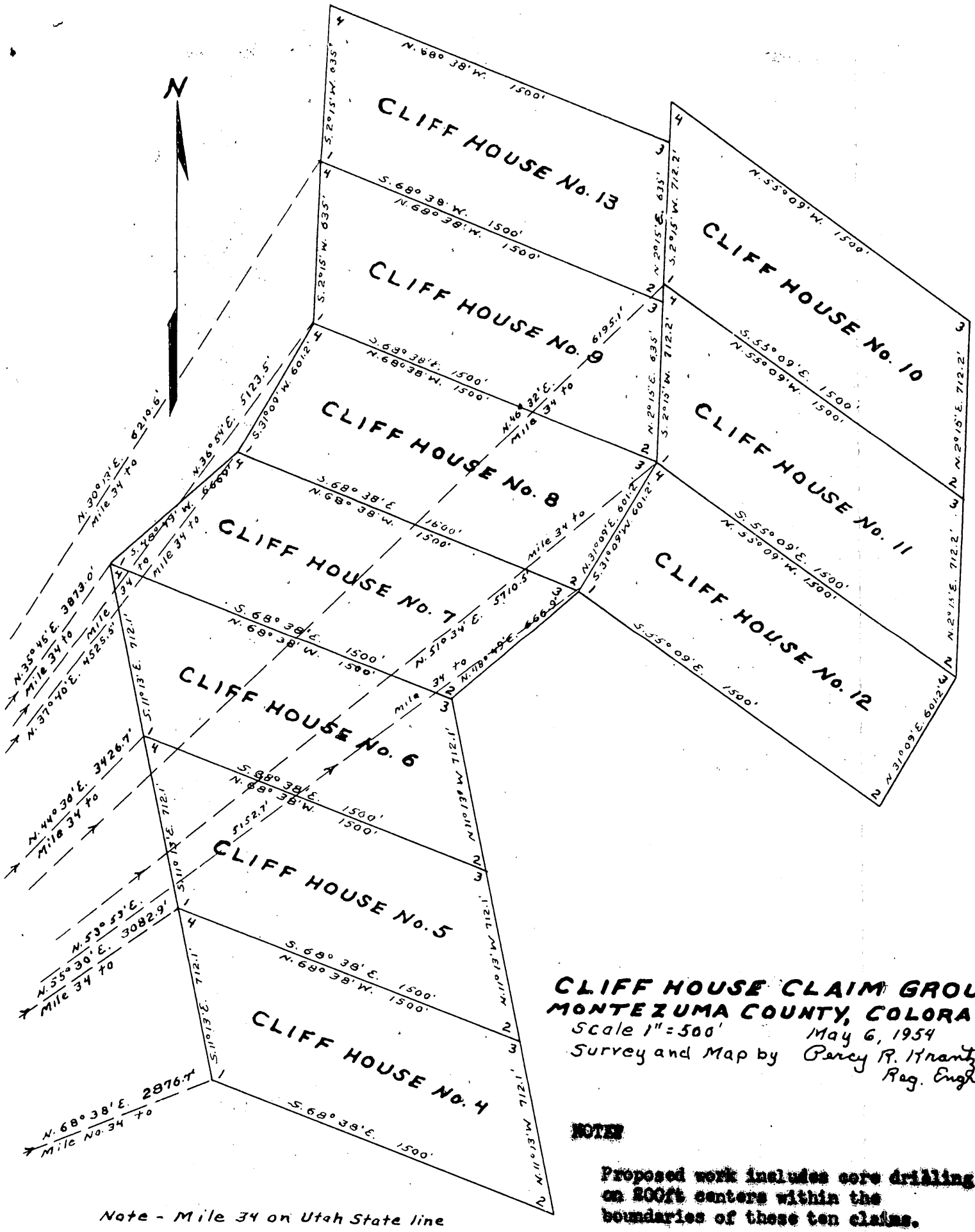
(e) Manpower - available locally
Materials, supplies and equipment available at Durango, Colorado.
Water - available at claims.
No electric power available

No 5
(d) Simpson & Powell have been doing Uranium exploration work for the past two years. Both are members of "Uranium Ore Producers Association". Mr. Bill Wood will be in charge of core drilling operations. Mr. Wood has been operating all types of drilling equipment for the past twenty years.

No 6

Cost of core drilling including all materials, cat work, labor, and supervision, Three Dollars ($3.00) per foot, not to exceed a total expenditure of $ 25,000.00.

No 7
(b) Simpson & Powell are prepared to furnish complete core drilling machinery, all necessary trucks, jeeps, catapillar and all small tools necessary for core drilling operations which equipment represents an investment in excess of $ 10,000.



CLIFF HOUSE CLAIM GROUP
MONTEZUMA COUNTY, COLORADO

Scale 1" = 500' May 6, 1954

Survey and Map by Percy R. Kranz
Reg. Engr.

NOTE:

Proposed work includes core drilling on 200ft centers within the boundaries of these ten claims.

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

OFFICIAL BUSINESS

Mr. George C. Selfridge, Chairman
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