Form 1

DEFENSE MINERALS ADMINISTRATION
Control Slip

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DMEA ~~DMA~~ Docket No. 2570

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EXPLORATION PROJECT

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Routing Slip Copies to USBM and USGS. One copy was retained by Region IV.

To: Code 700, Rm. 4640 Date 6-6-52

To: Opr Committee Date 6-25-52

To: Mr. Mittenhof Date

To: Mails & Files Date

To: Ellis (Docket) Date

To: Oper Com Date 7-29-53

To: Date

To: Date

To: Date

To: Date

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CONTROLLED DOCUMENT

FILE COPY
SURNAME:

200

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

SEP 2 1953

Mr. A. L. Wilhite
P. O. Box 954
Cortez, Colorado

Dear Mr. Wilhite:

This will acknowledge receipt of your letter dated August 20, 1953, addressed to Mr. Ernest Wm. Ellis, Chief, Rare and Miscellaneous Metals Division, requesting the return of maps and other material submitted with your application, Docket No. DMEA 2570.

There are enclosed all papers and maps submitted by you with the exception of the official application forms which are Government property and, therefore, not returnable to the applicant.

Sincerely yours,

ROBERT E. ADAMS

Robert E. Adams
Chief, Operations Control
and Statistics Division

Enclosures - 5
REAdams/meb
9-2-53
cc to: Adm.Reading File
Mails & Files Br.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
AUG 24 1953

Cortez Colo.
Aug. 20, 1953

Ernest W. Ellis. Chief.
Rare and misc. metal division

Dear Sir:
I got your last letter
Refusing the explorative
loan. so Will you
please send me
Back my Papers.

Docket No. DMEA 2570
(Uranium)
Jack Pot 1 & 2 Rose June
and Opal ~~Patch~~ Patch Claims
San Miguel Co.
and oblige A L Wilhite
and U C Hamilton
Cortez Colo.

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

FILE COPY
SURNAME:
Docket.
F.L. Knouse
J.R. Chubb
Kadess
Gillidge
Ferguson

JUL 29 1953

Mr. A. L. Wilhite and
Mr. V. C. Hamilton
P. O. Box 554
Cortez, Colorado

Re: Docket No. DMA-2570 (Urgent)
Jack Pot Nos. 1 & 2, Rose June
and Spud Patch Claims
San Miguel County, Colorado

Gentlemen:

Reference is made to your application for Government aid on the proposed captioned project estimated to cost $33,381.00, and to your letter of July 21, 1953.

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

A careful study of your application and data available to this Agency and an examination of the property concerned reveal that the probability of disclosing minable ore reserves by your proposed exploration program is not believed to be sufficiently promising to justify Government participation. Under these circumstances, we regret to advise that your application for exploration aid is denied.

If future work at your property reveals evidence which could materially alter this opinion, please be assured we will be glad to consider a new application.

Sincerely yours,

C. O. Mittendorf (for)

Administrator

FLKnouse/db
7-24-53
cc to: Adm. Reading File
Operating Committee
Docket
Messrs. H.D.Keiser, Rm. 3641
A.P.Butler, Jr., Rm.3206, GSA
Ellis
Knouse
DMEA Field Team, Region IV (2)

R.C.G.
7-29-53

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

July 27, 1953

SUMMARY OF PROPOSED PROJECT

Docket No. DMEA-2570
Applicant: A. L. Wilhite and V. C. Hamilton
P. O. Box 954, Cortez, Colorado

Subject: Denial of application
Commodity: Uranium
Location of property: San Miguel County, Colorado Region IV
Amount of application: $33,881.00
Date of application: May 26, 1952

Outline of project: Applicant applied for DMEA assistance to wagon drill two uranium claims in the area known as the "Spud Patch", 43 miles distant from Monticello, Utah. Also included in the project was a proposal to drive three exploratory crosscuts on a group of three uranium claims located on the north side of Big Gypsum Valley, in the same county, 65 miles distant from Monticello, Utah. Both areas of exploratory work were to be included in one project.

Field Team Report: Dated June 19, 1953
by D. R. McLaren, USGS

Transmittal letter by
Region IV Field Team, dated July 7, 1953.

Recommendations: The examining geologist concluded that the chances of making a significant discovery of uranium ore on the Betty Ruth and Ring Cone claims are poor, and, although somewhat better on the Rose June and Jack Pot No. 1, they do not justify the program submitted by the Applicant; also, it was concluded that diamond drilling would not prove practical. Denial recommended. Field Team concurs.

Commodity Members' comments:

Bureau of Mines: H. D. Keiser, USBM, dated July 23, 1953

Concurs in denial recommended by the Field Team.

Geological Survey: Mr. Brown for A. P. Butler, Jr., dated July 20, 1953.

Concurs in denial recommended by the Field Team.

Rare & Misc. Metals Div. Engineer: F. L. Knouse

Comments: Denial letter written on basis of above recommendation.

F. L. Knouse

F.L. Knouse
For: Ernest Wm. Ellis, Chief
Rare & Misc. Metals Division

7/27/53 gla

ENDARD FORM NO. 64

Office Memorandum • UNITED STATES GOVERNMENT

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

DATE: July 20, 1953

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

Regrs A. P. Butler Jr

SUBJECT: Field Team Report, DMEA docket 2570, A. L. Wilhite and W. C. Hamilton, applicants Cortez, Colorado; Betty Ruth and Ring Cone claims, Spud Patch area, and Rose June and Jack P ot No. 1 claims, Gypsum Valley, San Miguel County, Colorado.

Review and Comment

The field team report concerning exploration of the property identified above has been reviewed and discussed with H. D. Keiser, Bureau of Mines member, Uranium Commodity Committee.

As a result of an examination, the geologist and engineer members of the field team found that the Betty Ruth and Ring Cone claims are outside of the main mineralized zone as shown by previous U. S. Geological Survey drilling, and the chances of discovering a significant amount of ore are poor. The Rose June and Jack Pot No. 1 claims do not appear to contain possibilities for significant uranium deposits, that would justify underground exploration proposed by the applicant. Although a small amount of drilling might be warranted, the rocks are tilted and broken that core recovery would be very poor. Casing holes to permit radiation counter probing in lieu of recoverable core samples would make the drilling excessively costly in relation to the small amount of ore that might possibly be discovered.

The Field Team concludes after consultation with the members of the U. S. Geological Survey's Grand Junction exploration staff that application should be denied.

Recommendations

I concur with the Field Team's recommendation that the application for Government assistance for exploration be denied.

Copy to E. Wm. Ellis (2)

IN REPLY REFER TO:

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

E. Wm. Ellis, DMEA Member
Uranium Commodity Committee
Arthur P. Butler, Jr., USGS Member
Uranium Commodity Committee

July 20, 1953

Field Team Report, DMEA docket 2370, A. L. Wilhite and W. C. Hamilton, applicants Cortez, Colorado; Betty Ruth and Ring Cone claims, Spud Patch area, and Rose June and Jack Pot No. 1 claims, Gypsum Valley, San Miguel County, Colorado.

Review and Comment

The field team report concerning exploration of the property identified above has been reviewed and discussed with H. D. Keiser, Bureau of Mines member, Uranium Commodity Committee.

As a result of an examination, the geologist and engineer members of the field team found that the Betty Ruth and Ring Cone claims are outside of the main mineralized zones as shown by previous U. S. Geological Survey drilling, and the chances of discovering a significant amount of ore are poor. The Rose June and Jack Pot No. 1 claims do not appear to contain possibilities for significant uranium deposits, that would justify underground exploration proposed by the applicant. Although a small amount of drilling might be warranted, the rocks are tilted and broken that core recovery would be very poor. Casing holes to permit radiation counter probing in lieu of recoverable core samples would make the drilling excessively costly in relation to the small amount of ore that might possibly be discovered.

The Field Team concludes after consultation with the members of the U. S. Geological Survey's Grand Junction exploration staff that application should be denied.

Recommendations

I concur with the Field Team's recommendation that the application for Government assistance for exploration be denied.

Copy to E. Wm. Ellis (2)

IN REPLY REFER TO:

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

July 20, 1953

E. Wm. Ellis, DMEA Member
Uranium Commodity Committee
Arthur P. Butler, Jr., USGS Member
Uranium Commodity Committee
Field Team Report, DMEA docket 2770, A. L. Wilhite and W. C. Hamilton, applicants Cortez, Colorado; Betty Ruth and Ring Cone claims, Spud Patch area, and Rose June and Jack Pot No. 1 claims, Gypsum Valley, San Miguel County, Colorado.

Review and Comment

The field team report concerning exploration of the property identified above has been reviewed and discussed with H. D. Keiser, Bureau of Mines member, Uranium Commodity Committee.

As a result of an examination, the geologist and engineer members of the field team found that the Betty Ruth and Ring Cone claims are outside of the main mineralized zone as shown by previous U. S. Geological Survey drilling, and the chances of discovering a significant amount of ore are poor. The Rose June and Jack Pot No. 1 claims do not appear to contain possibilities for significant uranium deposits, that would justify underground exploration proposed by the applicant. Although a small amount of drilling might be warranted, the rocks are tilted and broken that core recovery would be very poor. Casing holes to permit radiation counter probing in lieu of recoverable core samples would make the drilling excessively costly in relation to the small amount of ore that might possibly be discovered.

The Field Team concludes after consultation with the members of the U. S. Geological Survey's Grand Junction exploration staff that application should be denied.

Recommendations

I concur with the Field Team's recommendation that the application for Government assistance for exploration be denied.

Copy to E. Wm. Ellis (2)

7/24/53 gla

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

Department of the Interior
Defense Minerals Administration
RECEIVED
JUL 24 1953

July 23, 1953

Memorandum

To: Ernest William Ellis, DMEA Member
Uranium Commodity Committee, Room 4640

From: H. D. Keiser, Bureau of Mines Member
Uranium Commodity Committee

Subject: Final Report, DMEA Docket 2570, Wilhite and Hamilton Claims, San Miguel County, Colorado.

I have reviewed the subject report and discussed it with Andrew Brown, Acting Geological Survey Member, and Joseph O. Hosted, representative of the Atomic Energy Commission.

It is recommended that the subject report be approved, and that the application for an exploration loan be denied.

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

H D Keiser

H. D. Keiser

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

July 23, 1953

Memorandum

To: Ernest William Ellis, DMEA Member
Uranium Commodity Committee, Room 4640

From: H. D. Keiser, Bureau of Mines Member
Uranium Commodity Committee

Subject: Final Report, DMEA Docket 2570, Wilhite and Hamilton Claims, San Miguel County, Colorado.

I have reviewed the subject report and discussed it with Andrew Brown, Acting Geological Survey Member, and Joseph O. Hosted, representative of the Atomic Energy Commission.

It is recommended that the subject report be approved, and that the application for an exploration loan be denied.

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

Signed

H. D. Keiser

7/23/53 gla

Cortez, Colorado
July 21, 1953

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUL 23 1953

Mr. Ernest Wm. Ellis, Chief
Rare and Misc. Metals Division
Defense Minerals Exploration Administration
Department of The Interior
Washington 25, D. C.

Dear Mr. Ellis:

Re: Docket No. DMEA-2570 (Uranium)
Jack Pot Nos. 1 & 2, Rose June and
Spud Patch Claims
San Miguel County, Colorado

Reference is made to the above Docket Number which concerns our application for an Exploration loan.

It has now been some twelve months since the application was made and to the best of our knowledge all requirements in connection therewith have been met. Approximately three months ago we complied with your last requirement which had to do with the validity of our claims. At that time The Bureau of Land Management, Denver, Colorado furnished an affidavit showing that there were no prior oil and gas leases on any of the above described Mining Claims.

Will you kindly advise what action has been taken so that we may know how to proceed.

Very truly yours,

A. L. Wilhite

A. L. Wilhite

V. C. Hamilton

V. C. Hamilton

V. C. Hamilton

7/20/5

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

224 New Customhouse
Denver 2, Colorado

July 7, 1953.

Memorandum

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

From: Field Team, Region IV

Subject: Final Report, DMEA Docket 2570 (Uranium), Wilhite and Hamilton Claims, San Miguel County, Colorado.

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

The applicant requested exploration aid in the amount of $33,881.00.

We do not consider that the proposed exploration program is sufficiently promising to justify Government participation and we recommend that the application be denied.

W. H. King
W. H. King

A. N. Koschmann
A. N. Koschmann

Enclosures

Reviewed by
DMEA OPERATING COMMITTEE
7-15-53
(date)

7/10/53 dh

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

224 New Customhouse
Denver 2, Colorado

July 7, 1953.

Memorandum

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

From: Field Team, Region IV

Subject: Final Report, DMEA Docket 2570 (Uranium), Wilhite and Hamilton Claims, San Miguel County, Colorado.

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We do not consider that the proposed exploration program is sufficiently promising to justify Government participation and we recommend that the application be denied.

W. H. King
W. H. King

A. H. Koschmann
A. H. Koschmann

Enclosures

Reviewed by
DMEA OPERATING COMMITTEE

7-15-53
(date)

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

June 19, 1953

Memorandum

To: DMEA Field Team, Region IV

From: A. H. Koschmann

Subject: DMEA Docket 2570, Wilhite and Hamilton Claims, San Miguel County, Colorado.

Attached are 10 copies of the geological report by D. R. MacLaren covering DMEA Docket 2570, Wilhite and Hamilton Claims, San Miguel County, Colorado.

The applicant proposes to explore for uranium on two groups of claims; to wagon drill 6900 feet of holes on the Betty Ruth and Ring Cone group of claims at an estimated cost of $11,682, and to drive 600 feet of crosscut and 300 feet of drift at an estimated cost of $33,881 on the Rose June and Jack Pot No. 1 claims.

D. R. MacLaren discussed the project with R. P. Fischer and C. F. Withington of the Survey's Grand Junction office, and made a field examination accompanied by Mr. Wilhite.

MacLaren concludes that the chances of making a significant discovery of uranium ore on the Betty Ruth and Ring Cone claims are poor, and, although somewhat better on the Rose June and Jack Pot No. 1, they do not justify the program submitted by the applicant. MacLaren also concludes that diamond drilling would not prove practical. He, therefore, recommends that the loan be denied.

I concur in this recommendation.

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

Enclosures (10)

Reviewed by
DMEA OPERATING COMMITTEE
7-15-53
(date)

928
7/28/53

WILHITE AND HAMILTON CLAIMS

SAN MIGUEL COUNTY, COLORADO

DMEA DOCKET 2570

Geologic Report

By D. R. MacLaren
U. S. Geological Survey

Reviewed by
DMEA OPERATING COMMITTEE
7-15-53
(date)

WILHITE AND HAMILTON CLAIMS
SAN MIGUEL COUNTY, COLORADO

INTRODUCTION

A. L. Wilhite and W. C. Hamilton of Cortez, Colorado, have applied to the Defense Minerals Exploration Administration for assistance to explore for uranium on two groups of claims in San Miguel County, Colorado. They propose to wagon drill 5,900 feet of holes on the Betty Ruth and Ring Cone claims in the Spud Patch area south of Slick Rock at an estimated cost of $11,682 and to drive 600 feet of crosscut and 300 feet of drift on the Rose June and Jack Pot No. 1 claims in Gypsum Valley at an estimated cost of $33,881. The total estimated cost of the project is $45,463.

The proposals were discussed with R. P. Fischer of the U. S. Geological Survey who is in charge of Survey work on the Colorado Plateau, and with C. F. Withington of the Survey who is in charge of Survey work in Gypsum Valley. On July 30, 1952, an examination of both groups was made in the company of Mr. Wilhite.

It is concluded that the chances of making a significant discovery of uranium ore on the Betty Ruth and the Ring Cone claims are poor. On the Rose June and the Jack Pot No. 1 claims the chances are a little better than on the Betty Ruth and Ring Cone claims, but they do not justify recommending approval of the program submitted by the applicants. The possibility of diamond drilling was considered, but due to the probable high cost and low core recovery this cannot be recommended. Therefore, it is recommended that this application be denied.

GEOLOGY

The geology of the Colorado Plateau is relatively simple. The rocks are nearly horizontal sedimentary beds ranging in age from Paleozoic to late Tertiary. In places they are disturbed by broad folds and high angle faults. Deposits of uranium associated with vanadium minerals occur chiefly within a limited horizon of the Morrison formation of Jurassic age.

The Morrison, which is 500-900 feet thick, is divided into two easily recognized members of about equal thickness. The lower or Salt Wash member is composed of lenticular beds of medium grained, cross-bedded sandstone, alternating with and replacing red and gray sandy clay and mudstone. A widespread sequence of bench-forming sandstones beds at the top of the Salt Wash member contains most of the important uranium deposits, although occasionally ore bodies have been found as much as 50 feet above and below this horizon. The upper part of the Morrison, the Brushy Basin member, is composed of light colored, soft bentonitic clays and mudstones, with a few sandstone lenses.

The Spud Patch area is on the southeast edge of a broad mineralized belt, roughly 2-4 miles wide, that strikes in a northeasterly direction as far as Uravan. The area has been drilled by the U. S. Geological Survey. The results of the drilling show that the Betty Ruth and the Ring Cone claims are along the outer fringe of the main mineralized zone. Two of the holes are within the boundaries of the Ring Cone claims, the eastern part of which has been classified by the Survey as semi-favorable for exploration but with only a small chance of making a significant discovery. The remaining part of the Ring Cone claims and all of the Betty Ruth claim have been classified as unfavorable by the Survey.

Gypsum Valley is a graben, some 2½ miles wide and 18 miles long, trending N. 60° W. It is formed by the downfaulting of an anticlinal crest and is bounded by steep cliffs that expose the Morrison and the base of the Dakota (?) sandstone.

The Rose June and the Jack Pot No. 1 claims are at the base of the cliffs that form the northeast boundary of Gypsum Valley. They are in a zone 500 feet to 1,000 feet wide in which beds of the Morrison formation dip 45°-60° SW. It is believed that the direction and amount of dip in this zone are the result of drag produced by the faulting.

Extending from the southeast boundary of the Jack Pot No. 1 claim through the northeast boundary of the Rose June claim are two parallel zones of mineralization, about 100-150 feet apart. Shallow pits and trenches at several places along the outcrops of both mineralized zones show evidence of the presence of radioactive minerals, some of which were not identified although carnotite was seen at two or three places. In general, the mineralization is strongest in the southeastern half of the Jack Pot No. 1 claim, tending to become weaker on the Rose June claim to the northwest. The only underground workings seen are a series of connected tunnels driven for a total distance of 150 feet along the southwestern mineralized zone. The mineral zone consists of medium to coarse grained sandstone up to 2 feet thick containing black streaks of radioactive material that registers up to .2 MR per hour above background on the Geiger counter. There is no evidence that any ore was mined from these claims.

CONCLUSIONS AND RECOMMENDATIONS

It is concluded that the Betty Ruth and Ring Cone claims are in an area at best only semi-favorable for the discovery of uranium ore in

significant amount. It is further concluded that the chances of making a significant discovery on the Rose June and Jack Pot No. 1 claims are not good enough to warrant the approval of the applicant's proposal. A limited diamond drilling program might be justified providing the core recovery would be satisfactory and the cost could be kept low. Due to the shattered condition of the rocks it is doubtful that core recovery would exceed 40% to 50%, which would not be satisfactory. In order to test the results of drilling by probing it would probably be necessary to case the holes to the bottom, which would make drilling excessively costly. It is, therefore, concluded that drilling cannot be recommended.

It is, therefore, recommended that this application be denied.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C.
~~205 New Customhouse~~
Denver 2, Colorado

June 19, 1953

Memorandum

To: DMEA Field Team, Region IV

From: A. H. Koschmann

Subject: DMEA Docket 2570, Wilhite and Hamilton Claims, San Miguel County, Colorado.

Attached are 10 copies of the geological report by D. R. MacLaren covering DMEA Docket 2570, Wilhite and Hamilton Claims, San Miguel County, Colorado.

The applicant proposes to explore for uranium on two groups of claims; to wagon drill 6900 feet of holes on the Betty Ruth and Ring Cone group of claims at an estimated cost of $11,682, and to drive 600 feet of crosscut and 300 feet of drift at an estimated cost of $33,881 on the Rose June and Jack Pot No. 1 claims.

D. R. MacLaren discussed the project with R. P. Fischer and C. F. Withington of the Survey's Grand Junction office, and made a field examination accompanied by Mr. Wilhite.

MacLaren concludes that the chances of making a significant discovery of uranium ore on the Betty Ruth and Ring Cone claims are poor, and, although somewhat better on the Rose June and Jack Pot No. 1, they do not justify the program submitted by the applicant. MacLaren also concludes that diamond drilling would not prove practical. He, therefore, recommends that the loan be denied.

I concur in this recommendation.

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

Enclosures (10)

Reviewed by
DMEA OPERATING COMMITTEE
7-15-53
(date)

WILHITE AND HAMILTON CLAIMS

SAN MIGUEL COUNTY, COLORADO

DMEA DOCKET 2570

Geologic Report

By D. R. MacLaren
U. S. Geological Survey

Reviewed by
DMEA OPERATING COMMITTEE

7-15-53
(date)

WILHITE AND HAMILTON CLAIMS
SAN MIGUEL COUNTY, COLORADO

INTRODUCTION

A. L. Wilhite and W. C. Hamilton of Cortez, Colorado, have applied to the Defense Minerals Exploration Administration for assistance to explore for uranium on two groups of claims in San Miguel County, Colorado. They propose to wagon drill 6,900 feet of holes on the Betty Ruth and Ring Cone claims in the Spud Patch area south of Slick Rock at an estimated cost of $11,682 and to drive 600 feet of crosscut and 300 feet of drift on the Rose June and Jack Pot No. 1 claims in Gypsum Valley at an estimated cost of $33,881. The total estimated cost of the project is $45,463.

The proposals were discussed with R. P. Fischer of the U. S. Geological Survey who is in charge of Survey work on the Colorado Plateau, and with C. F. Withington of the Survey who is in charge of Survey work in Gypsum Valley. On July 30, 1952, an examination of both groups was made in the company of Mr. Wilhite.

It is concluded that the chances of making a significant discovery of uranium ore on the Betty Ruth and the Ring Cone claims are poor. On the Rose June and the Jack Pot No. 1 claims the chances are a little better than on the Betty Ruth and Ring Cone claims, but they do not justify recommending approval of the program submitted by the applicants. The possibility of diamond drilling was considered, but due to the probable high cost and low core recovery this cannot be recommended. Therefore, it is recommended that this application be denied.

GEOLOGY

The geology of the Colorado Plateau is relatively simple. The rocks are nearly horizontal sedimentary beds ranging in age from Paleozoic to late Tertiary. In places they are disturbed by broad folds and high angle faults. Deposits of uranium associated with vanadium minerals occur chiefly within a limited horizon of the Morrison formation of Jurassic age.

The Morrison, which is 500-900 feet thick, is divided into two easily recognized members of about equal thickness. The lower or Salt Wash member is composed of lenticular beds of medium grained, cross-bedded sandstone, alternating with and replacing red and gray sandy clay and mudstone. A widespread sequence of bench-forming sandstones beds at the top of the Salt Wash member contains most of the important uranium deposits, although occasionally ore bodies have been found as much as 50 feet above and below this horizon. The upper part of the Morrison, the Brushy Basin member, is composed of light colored, soft bentonitic clays and mudstones, with a few sandstone lenses.

The Spud Patch area is on the southeast edge of a broad mineralized belt, roughly 2-4 miles wide, that strikes in a northeasterly direction as far as Uravan. The area has been drilled by the U. S. Geological Survey. The results of the drilling show that the Betty Ruth and the Ring Cone claims are along the outer fringe of the main mineralized zone. Two of the holes are within the boundaries of the Ring Cone claims, the eastern part of which has been classified by the Survey as semi-favorable for exploration but with only a small chance of making a significant discovery. The remaining part of the Ring Cone claims and all of the Betty Ruth claim have been classified as unfavorable by the Survey.

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Extending from the southeast boundary of the Jack Pot No. 1 claim through the northeast boundary of the Rose June claim are two parallel zones of mineralization, about 100-150 feet apart. Shallow pits and trenches at several places along the outcrops of both mineralized zones show evidence of the presence of radioactive minerals, some of which were not identified although carnotite was seen at two or three places. In general, the mineralization is strongest in the southeastern half of the Jack Pot No. 1 claim, tending to become weaker on the Rose June claim to the northwest. The only underground workings seen are a series of connected tunnels driven for a total distance of 150 feet along the southwestern mineralized zone. The mineral zone consists of medium to coarse grained sandstone up to 2 feet thick containing black streaks of radioactive material that registers up to .2 MR per hour above background on the Geiger counter. There is no evidence that any ore was mined from these claims.

CONCLUSIONS AND RECOMMENDATIONS

It is concluded that the Betty Ruth and Ring Cone claims are in an area at best only semi-favorable for the discovery of uranium ore in

significant amount. It is further concluded that the chances of making a significant discovery on the Rose June and Jack Pot No. 1 claims are not good enough to warrant the approval of the applicant's proposal. A limited diamond drilling program might be justified providing the core recovery would be satisfactory and the cost could be kept low. Due to the shattered condition of the rocks it is doubtful that core recovery would exceed 40% to 50%, which would not be satisfactory. In order to test the results of drilling by probing it would probably be necessary to case the holes to the bottom, which would make drilling excessively costly. It is, therefore, concluded that drilling cannot be recommended.

It is, therefore, recommended that this application be denied.

FILE COPY
SURNAME:

140

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

AEKane
Butler
Kane

APR 29 1953

James B. Garrison, Esq.
Attorney at Law
Cortez, Colorado

Dear Mr. Garrison:

Reference is made to your letter of April 3 to the Chief of the Rare and Miscellaneous Metals Division regarding the application of Messrs. A. L. Wilhite and V. C. Hamilton for an exploration project contract, Docket No. DMEA-2570. It appears that the applicants are interested in exploring certain mining claims which, apparently, are covered by oil and gas leases.

You state that, before the contract can be awarded, it is necessary that "contempt" proceedings be taken against those holding the oil and gas leases, and that you are awaiting the enactment of legislation which will avoid this procedure. This does not now appear to be necessary. It was suggested to you in the letter of the Chief of our Rare and Miscellaneous Metals Division dated January 15, 1953, that you contact the Atomic Energy Commission. Operators whose claims are subject to overlying oil and gas leases can readily get their interest cleared by application to the United States Atomic Energy Commission at Grand Junction, Colorado.

If your clients adopt this course, the consideration of their application will undoubtedly be expedited.

Sincerely yours,

C. O. Mittendorf (fw)

Administrator

F.N.
4-29-53

AEKane:ep 4-28-53

Copy to: Adm. Reading File
Docket
Mr. H. D. Keiser - 3641 GSA
Mr. A. P. Butler - 3206
Mr. Ellis
Mr. Hofflund
Mr. Kane
Field Team, Region IV (2) w/c (2) incoming letter.
Pending
Chron.

DMEA-2570 (Uranium)
A. L. Wilhite 4/7/53

Mr. Knouse:

I have had ~~two~~ 3 extra copies of this letter typed, in case you want to refer copies to Region IV for their information, together with copies of your reply.

This application was referred to Region IV on June 25, 1952, for a field examination. Since there was no indication of response to the Region's letters, we began pursuing it in January of this year.

For your information, the status report of Region IV for the period ending August 20, 1952, stated a preliminary examination was made by USGS on July 29; that the drilling proposed on the two claims in the Spud Patch district will be denied; that the proposed work in the Big Gypsum Valley will be recommended on a modified plan. The applicants would be requested to submit adequate maps to show the proposed work. When these maps are received and a conflict of title with oil and gas leases settled, an engineer will be assigned to make an examination.

As of August 31, Region IV status report said no further work would be done until the conflict of title with oil and gas leases is clarified.

Nov. 30 Region IV status report: On August 29, the Field Team returned location certificates to the applicants for Bureau of Land Management validation.

For Reply of Legal Division
Mrs. Ault
J. H. Knouse, 4-8-53

4/7/53gla

James B. Garrison

George E. Dilts

GARRISON AND DILTS
Attorneys at Law
CORTEZ, COLORADO
Phone 52

April 3, 1953

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
DENVER
APR 6 1953

Mr. Ernest Wm. Ellis, Chief
Rare and Misc. Metals Division
United States Department of the Interior
Defense Minerals Exploration Administration
Washington 25, D. C.

RE: DOCKET NO. DMEA-~~2750~~ 2570 (URANIUM)
JACK POT NOS. 1 &2, MOST JUNE
AND SPUD PATCH CLAIMS
SAN MIGUEL COUNTY, COLORADO

Dear Mr. Ellis:

Messers. Hamilton and Wilhite have definitely not abandoned their application with your department. They have been endeavoring to comply with your requirements concerning obtaining of a certification from the Bureau of Land Management that there are no conflicting oil and gas placers or leases in connection with their claims. They have found out that there are a few possible conflicts, and have been endeavoring to get these conflicts straightened out, since the time of your letter of August 15, 1952.

My most recent discussion with Mr. Mather of the Denver office of the Bureau of Land Management indicated that legislation was pending which would eliminate the necessity of taking contempt proceedings in respect to these oil and gas leases or placer, or Federal oil and gas leases.

Furthermore, we have been in touch with the holders of these leases, and have every indication from them that they would be willing to relinquish their leases, insofar as the same may conflict with the claims of Wilhite and Hamilton. Mr. Mather advised that a relinquishment would not do the job, and that even though they are willing to relinquish, Wilhite and Hamilton would still have to go through a contempt proceeding, which I judge is an administrative type of hearing. However, since his most recent advice that pending legislation would overcome the problem presented here, we have decided to wait until that legislation is in effect. This is in accordance with Mr. Mather's suggestion to the effect that if we could delay the matter awhile longer, that conflicting oil and gas leases would have no standing, or that he could make the proper certification required by your agency in connection with this matter. We also were getting accurate legal descriptions of the mining claims that might be required by the Bureau of Land Management to form the basis of a contempt proceeding, which up until the time I last saw Mr. Mather, I believed would be necessary.

If there is anything further that Wilhite and Hamilton should do to have their claims properly certified for a DMEA loan, please advise as soon as possible.

Yours very truly,

James B. Garrison

JAMES B. GARRISON

JBG:smb

James B. Garrison

George E. Dilts

COPY

Garrison and Dilts
Attorneys at Law
Cortez, Colorado
Phone 52

April 3, 1953

Mr. Ernest Wm. Ellis, Chief
Rare and Misc. Metals Division
United States Department of the Interior
Defense Minerals Exploration Administration
Washington 25, D. C.

Re: Docket No. DMEA-2570 (Uranium)
Jack Pot Nos. 1 & 2, Rose June
and Spud Patch Claims
San Miguel County, Colorado

Dear Mr. Ellis:

Messers. Hamilton and Wilhite have definitely not abandoned their application with your department. They have been endeavoring to comply with your requirements concerning obtaining of a certification from the Burear of Land Managemnet that there are no conflicting oil and gas placers or leases in connection with their claims. They have found out that there are a few possible conflicts, and have been endeavoring to get these conflicts straightened out, since the time of your letter of August 15, 1952.

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Furthermore, we have been in touch with the holders of these leases, and have every indication from them that they would be willing to relinquish their leases, insofar as the same may conflict with the claims of Wilhite and Hamilton. Mr. Mather advised that a relinquishment would not do the job, and that even though they are willing to relinquish, Wilhite and Hamilton would still have to go through a contempt proceeding, which I judge is an administrative type of hearing. However, since his most recent advice that pending legislation would overcome the problems presented here, we have decided to wait until that legislation is in effect. This is in accordance with Mr. Mather's suggestion to the effect that if we could delay the matter awhile longer, that conflicting oil and gas leases would have no standing, or that he could make the proper certification required by your agency in connection with this matter. We also were getting accurate legal descriptions of the mining claims that might be required by the Bureau of Land Management to form the basis of a contempt proceeding, which up until the time I last saw Mr. Mather, I believed would be necessary.

COPY

If there is anything further that Wilhite and Hamilton should do to have their claims properly certified for a DMEA loan, please advise as soon as possible.

Yours very truly,

(Signed) James B. Garrison

700

FILE COPY
SURNAME:

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

F. L. Knouse
Ellis

Mr. A. [illegible] Wilhite
Mr. W. C. Hamilton
Cortez, Colorado

MAR 18 1953

Re: Docket No. DMSA-2570 (Uranium)
Jack Pot Nos. 1 & 2, Blue June and
Spud Patch Claims
San Miguel County, Colorado

J. C. 3/18/53

Gentlemen:

Reference is made to the letter directed to you by Mr. [illegible] King, Executive Officer, Field Team, Region IV, on August 13, 1952, followed by our letter of January 15, 1953, regarding the question of the property concerned in the captioned project being covered by a prior oil and gas lease.

Inasmuch as we have received no reply to these letters, we assume that you no longer desire to proceed with the application. We wish to cooperate with you in the matter of allowing ample time, but if the needed data have (has) not been received by April 30, 1953, we will then consider the docket closed.

Sincerely yours,

SIGNED

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

ELA:lt/FLKnouse/gla
3-17-53
cc to: Adm. Reading File
Docket
Messrs. HDKeiser-3641
AFButler-3266 DSA
Ellis
Knouse
Field Team, Region IV (2)

FILE COPY
SURNAME:

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

Mr. A. L. Wilhite
Mr. A. C. Hamilton
Cortez, Colorado

JAN 15 1953

Re: Docket No. [illegible]-2570 (Uranium)
Jack Pot Nos. 1 & 2, Rose June and
Cloud Patch Claims
San Miguel County, Colorado

Gentlemen:

Reference is made to the letter addressed to you from Mr. [illegible] H. King, Executive Officer, Defense Minerals Exploration Administration, Region IV, Denver, Colorado, dated August 13, 1952, regarding the question of the property concerned in the captioned project being covered by a prior oil and gas lease.

For your information there is attached a copy of a press release issued by the Atomic Energy Commission which covers the question of oil and gas leases in conflict with mining claims where uranium mineralization exists.

Should you desire to clear this question with the Atomic Energy Commission and transmit the results and information to the office of Mr. King, the processing of your application will be continued.

Sincerely yours,

J.C. 1/15/53

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

Enclosure

FLKnouse/jem
1/14/53
cc to: Adm. Reading File
Docket
Messrs.HDKeiser-3641
aPButler-3206 G.A.
Ellis Knouse
Field Team, Region IV (2)

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

224 New Customhouse
Denver 2, Colorado

August 13, 1952

Mr. A. L. Wilhite
Mr. W. C. Hamilton
Cortez, Colorado

Gentlemen:

This is in reference to your application for Exploration Assistance on the Jackpot No. 1 Claim and the Spud Patch Claim, Docket No. DMEA 2570.

The records of the Bureau of Land Management show that Section 16 and 17, Township 44 North, Range 17 West, is covered by an Oil and Gas Lease dated February 1, 1949. Sections 21 and 28 Township, 43 North, Range 18 West are also covered by Oil and Gas Leases.

The lease covering the west half of Section 28 is dated November 1, 1949. The lease covering the remainder of the area is dated November 1, 1948. Since your claims are all within the above sections, these Oil and Gas leases cloud your title.

Your application does not state the date of location of your claims. If the date of location is after the date of the Oil and Gas leases, your claims are not valid. If the date of location is prior to the date of the Oil and Gas leases, you should petition the Bureau of Land Management to have your claims excluded from the Oil and Gas leases.

We are unable to process your application for assistance further, until you submit evidence of clear title to your claims.

Very truly yours,

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
AUG 18 1952

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

224 New Customhouse
Denver 2, Colorado

August 13, 1952

Mr. A. L. Wilhite
Mr. W. C. Hamilton
Cortez, Colorado

Gentlemen:

This is in reference to your application for Exploration Assistance on the Jackpot No. 1 Claim and the Spud Patch Claim, Docket No. DMEA 2570.

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Your application does not state the date of location of your claims. If the date of location is after the date of the Oil and Gas leases, your claims are not valid. If the date of location is prior to the date of the Oil and Gas leases, you should petition the Bureau of Land Management to have your claims excluded from the Oil and Gas leases.

We are unable to process your application for assistance further, until you submit evidence of clear title to your claims.

Very truly yours,

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
AUG 18 1952

FILE COPY
SURNAME: 700

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

JUN 25 1952

Mr. A. L. Wilhite
Cortez, Colorado

Re: Docket No. DMEA-2570 (Uranium)
Jack Pot Nos. 1 & 2, Rose June and
Spud Patch Claims
San Miguel County, Colorado

Dear Mr. Wilhite:

The application for assistance in exploring your property in San Miguel County, Colorado, under the above captioned docket number, has been reviewed by the Rare and Miscellaneous Metals Division of the Defense Minerals Exploration Administration. Your application has been referred for a field examination to the Executive Officer of Region IV at the following address:

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

The Regional Office will contact you at the earliest opportunity in regard to your project.

Sincerely yours,

C. O. Mittendorf (fw)
Acting Administrator

cc 6-25

FLKnouse/jem
6/23/52
cc to: Adm. Reading File
Docket
Ellis
Knouse
Field Team, Region IV (2)

FILE COPY
700
SURNAME:

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

JUN 25 1952

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

Re: Docket No. DMEA-2570 (Uranium)
A. L. Wilhite and W. C. Hamilton
Jack Pot Nos. 1 & 2, Rose June and
Spud Patch Claims
San Miguel County, Colorado

Dear Mr. King:

The captioned application is referred to your office for a field examination.

A copy of a memorandum from Mr. Arthur F. Butler, Jr., dated June 13, 1952, outlining important questions to be considered by the Field Team, is enclosed.

If your office recommends either the program submitted by the applicant or an alternate program approved by the applicant, maps or sketches showing the proposed work in relation to claim lines, with details, costs of the recommended work as is outlined in Form DE-103 should accompany the report. The sketches should include any known geology and available sample data as justification for the project.

The description and cost of equipment required to do the work (classified as units to be purchased or rented) and also the fair market value and description of units to be furnished by the operator should accompany the report. If the work recommended is to be done on a unit cost basis by either the operator or a contractor it should be so indicated and a breakdown of the unit cost supplied.

If an exploration program is recommended we will require from the applicant a list of the mining claims or property on which the work is to be done and any adjoining claims or property controlled by the applicant, where the claims or property is recorded, book number, page and entry date.

We note in your memorandum dated June 3, 1952, transmitting this application that only three copies were sent, we therefore assume you retained one copy.

In reply to your question regarding the advisability of including the two projects in one application, in this case it will be satisfactory.

Sincerely yours,

(signed) FRANK E. JOHNSON
(JHB)

Chairman, Operating Committee

cc 6/25

Enclosure

APPROVED:

J. H. Hedges (JHB)
Member, Bureau of Mines

D. M. Lemmon (JHB)
Member, Geological Survey

FLKnouse/jem
6/23/52
cc to: Adm. Reading File
Docket
Messrs. A.J.Kauffman,1347
A.P.Butler-3206 GSA
Ellis Knouse
Opr. Committee
Field Team, Region IV

6/18/52 gla

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

June 16, 1952

Memorandum

To: Ernest William Ellis, DMEA Member, Uranium Commodity Committee, Room 4070

From: H. D. Keiser, Bureau of Mines Member, Uranium Commodity Committee

Subject: DMEA Docket 2570, A. L. Wilhite and V. C. Hamilton

I have reviewed the subject application and discussed it with Arthur P. Butler, Geological Survey Member.

It is recommended that the subject application be referred to the Field Team for its review and report, after consulting with representatives of the Geological Survey and Atomic Energy Commission at Grand Junction, Colorado.

H. D. Keiser

H. D. KEISER

Attachment

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUN 17 1952

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

June 16, 1952

Memorandum

To: Ernest William Ellis, DMEA Member, Uranium Commodity Committee, Room 4070

From: H. D. Keiser, Bureau of Mines Member, Uranium Commodity Committee

Subject: DMEA Docket 2570, A. L. Wilhite and V. C. Hamilton

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It is recommended that the subject application be referred to the Field Team for its review and report, after consulting with representatives of the Geological Survey and Atomic Energy Commission at Grand Junction, Colorado.

H. D. KEISER

Attachment
HDKeiser:kg

Copy to: Minerals Division
H. D. Keiser
Rare and Precious Metals Branch
F I L E S

FILE COPY
Surname:

Keiser
Cline

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

June 16, 1952

Memorandum

To: Ernest William Ellis, DMEA Member, Uranium Commodity Committee, Room 4070

From: H. D. Keiser, Bureau of Mines Member, Uranium Commodity Committee

Subject: DMEA Docket 2570, A. L. Wilhite and V. C. Hamilton

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It is recommended that the subject application be referred to the Field Team for its review and report, after consulting with representatives of the Geological Survey and Atomic Energy Commission at Grand Junction, Colorado.

H. D. KEISER

Attachment
HDKeiser:kg

Copy to: Minerals Division
H. D. Keiser
Rare and Precious Metals Branch
F I L E S

6/20/52 gla

STANDARD FORM NO. 64

Office Memorandum • UNITED STATES GOVERNMENT

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

DATE: June 13, 1952

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

SUBJECT: Application DMEA Docket 2570, A. L. Wilhite and V. C. Hamilton, part., Cortez, Colo., Ring Cone and Betty Ruth claims, Spud Patch area, and Rose June, Jackpot 1 and 2 claims, Big Gypsum Valley area.

Information in the Washington files of the Geological Survey is insufficient to warrant a denial of the application, although the Spud Patch area is unfavorable and the applicant submits inadequate information for appraisal of work proposed at the claims in Big Gypsum Valley.

Preliminary results of a recent drilling project by the Geological Survey in the Spud Patch area indicates that part of ground covered by the Ring Cone and Betty Ruth claims is unfavorable for discovery of average-sized ore bodies, and part is only semi-favorable. In view of the unpromising value of the applicant's ground the proposed drilling plan is probably much too elaborate.

The meager data submitted by the applicant do not warrant the proposed underground work on the three claims in Big Gypsum Valley area. I believe that the showings at the surface should be explored in order to determine if the size, grade, and distribution of them is such that the promise of concealed ore is sufficient to warrant exploration by driving of adits and drifts and to determine if there is any trend that might guide the location of underground openings.

I recommend referral of the application to the field team for definitive appraisal. The field team should consult with Mr. Lowell Hilpert who will be acting-in-charge of the Geological Survey's project for exploration of uranium deposits in the Morrison formation, to obtain the benefit of information and suggestions from him or the project staff.

Arthur P. Butler, Jr.

Arthur P. Butler, Jr.

Attachment

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUN 19 1952

Form MF-103
(Revised June 1951)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Budget Bureau No. 42-R1035.1.

MF-103 Should Be Filed With General Technical Data Form MF-100

APPLICATION FOR AID FOR AN EXPLORATION PROJECT PURSUANT TO MINERAL ORDER 5, UNDER DEFENSE PRODUCTION ACT OF 1950

Not To Be Filled in by Applicant

Docket No. DMEA-2570
Metal or Mineral
Date Received 6-6-52
Amount $
Participation (Government %)

Mr. A. L. Wilhite
and
Mr. V. C. Hamilton
P. O. Box 954
Cortez
Colorado

Name and address of applicant

Date May 26, 1952

If you have already filed MF-100, give date filed May 26, 1952, type of assistance requested ,

DMA Docket Number (if available)

INSTRUCTIONS

Read Mineral Order 5, Regulations Governing Government Aid in Defense Projects, before completing this application. Submit four copies each, of the signed application form, General Technical Data Form MF-100, and answers to questions as specified, to Defense Minerals Administration, Department of the Interior, Washington 25, D. C., or to the nearest field executive office thereof, with your name and address on each sheet of the application and all accompanying papers. If you have previously filed MF-100, it is not necessary to file it again. However, you should indicate in space provided above the type of assistance previously applied for (loans, procurement contracts, etc.) and DMA Docket Number, if available. *When a question is inapplicable it should be so stated in the form.* Additional sheets should be attached in answering any questions or in supplying additional information. IF YOU CANNOT ANSWER A QUESTION, SO STATE.

1. (*a*) Give a description of the real property that will be in any way involved in the exploration project, including any existing mine or operating property.

   (*b*) If you are not the owner of the property, submit a copy of the lease, purchase option, or other agreements under which you are authorized to operate the property with each copy of your application.

   (*c*) Give the legal description of the exact parcel, plot, or area upon which the exploration is to be conducted.

   NOTE: (1) If both areas are the same, so state. The only obligation to repay the Government is from the net earnings from any commercial discovery made in the area specified in (*c*) above in which the exploration is to be conducted, and the expenditure of funds which may be charged as costs of the project must be limited to that area or to work necessary to perform the exploration in that area.

   (2) If applicant is not the owner of the property or if there are any liens or encumbrances against the property, copy of agreements of claimants, lienors, encumbrances, and lessors subordinating their interests in the property to the interest of the Government under the Exploration Project Contract will be required for attachment to the Contract.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUN 6 1952

2. (*a*) What metals or minerals do you expect to find?

   (*b*) Furnish statement of the geologic features of your property, giving type of ore deposit and reasons for expecting to find commercial ore bodies. Illustrate with maps or sketches. If you have a geologic or engineering report, or assay maps showing width and grade, please send them with application, stating whether or not you wish to have them returned.

16—64067-2

The information requested in questions 3, 4, 5, 6, 7, 8, and 9 below should be answered specifically and in detail, as this information will be attached to and incorporated as part of the Exploration Project Contract, if such contract is entered into with you by the Government.

ANSWER EACH QUESTION ON SEPARATE SHEETS OF PAPER AND SUBMIT A COPY OF EACH ANSWER FOR EACH COPY OF YOUR APPLICATION.

3. (*a*) Describe fully the proposed work and give the total cost of the project.

   (*b*) State the time required to start the project and to complete it.

4. Submit a map or sketch of the property involved showing a plan (and cross section, if needed) of the present mine workings and the *location of the proposed exploration work* as related to geologic features, such as contacts, veins, ore-bearing beds, etc.

5. Furnish an itemized list of existing facilities, buildings, installations, and fixtures with a statement of the cost of any necessary rehabilitation or repairs to put into useful and operable condition.

6. Furnish a detailed list of additional facilities, buildings, and fixtures to be purchased, installed, or erected by you, with the estimated cost of each item.

7. Furnish a detailed list of operating equipment, separated into items to be—

   (*a*) Rented

   (*b*) Purchased

   (*c*) Furnished by you

   with the rental, purchase price, or depreciation of each item, as the case may be, to be charged as a cost of the project.

8. Furnish an itemized schedule of labor, by numbers and classes (miners, muckers, etc.) and of supervisors by numbers and positions, with the maximum wages or salaries to be paid to each.

9. Furnish a detailed list with estimated cost of each item for materials, supplies, engineering, assaying, accounting, power, water, utilities, and any other items not provided for above.

10. (*a*) How much are you prepared to invest in the proposed project?

    (*b*) Is this amount sufficient to pay your part of the cost of the project, in accordance with the regulations on Government participation (Sec. 9 of MO–5)?

11. State any conditions or circumstances regarding the property not sufficiently brought out by the foregoing questions.

CERTIFICATION

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this form and accompanying papers is correct and complete to the best of their knowledge and belief.

A. L. Wilhito and V. C. Hamilton Partnership
(Name of company)

By A. L. Wilhito
(Signature of authorized official)

May 26, 1952
(Date)

(Title)

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—64067-2

- Answers to Questions - Form MF-100 -

Mr. A. L. Wilhite
and
Mr. V. C. Hamilton
P. O. Box 954
Cortez
Colorado

Partnership

Phone 3109

(1)

a). Applicants are applying for a DMEA exploration loan to wagon drill two uranium claims located in San Miguel County, Colorado. These claims are located in the area known as the "Spud Patch" and are 43 miles distant from Monticello, Utah. Also desired as part of the project is an exploration loan to drive three exploratory X-cuts on a group of three uranium claims located on the north side of Big Gypsum Valley in San Miguel County, Colorado, distant 65 miles from Monticello, Utah. Both pieces of exploratory work to be considered as one project. The distance between the two projects, via Slick Rock, isapproximately 35 miles.

United States Vanadium Corporation and Vanadium Corporation of America own and have operated mines in the Spud Patch area. However, with the exception of one incline shaft now being sunk, all effort is being confined to their own drilling program.

In the Big Gypsum Valley, the U. S. Vanadium Corporation is mining several claims to the east of the Wilhite-Hamilton group. There are other neighboring mines operating in the area to the east.

Spud Patch Area:

The claims involved in the exploration project in the Spud Patch area are: BETTY RUTH and RING CONE. It is proposed to wagon drill these claims. Reference is made to the attached map marked Exhibit "B" on which is shown these claims and the location of the proposed holes.

Big Gypsum Valley Area:

The claims involved in the exploration project in the Big Gypsum Valley are shown on the attached map marked Exhibit "A" and are: ROSE JUNE, JACK POT #1 and JACK POT #2. It is proposed to drive three X-cuts, one of which will be on an incline of approximately 18 degrees. The location of the X-cuts is shown on the attached map marked Exhibit "A". Extending east and west throughout the entire length of the Rose June and Jack Pot #1 claims is a faulted block of the Morrison formation. Within the block there appears to be two mineralized zones 100 feet apart. The beds have been highly tilted and are now standing on a 55 degree dip to the south. It is the opinion of Leo J. Coady, Consulting Mining Engineer of Grand Junction, Colorado, who examined the property and prepared this application, that it is not feasible to core drill the claims. The physical structure of the terrain, overburden and large boulders would make core drilling difficult and expensive. Accordingly, the three X-cuts were proposed in lieu of drilling.

b). Applicant is the owner of all of the above claims thru right of location. All are unpatented uranium - vanadium mining claims. Mineralization is principally carnotite.

c). Legal description of the claims: (Gypsum Valley Area)

Jack Pot #1 Claim:- 300 feet on the north side and 300 feet on the south side of the center of the vein at the surface and 100 feet running east from the center of discovery cut and 1400 feet running west from center of discovery cut being situate upon said lode vein, ledge or deposit and within the lines of said claim in lower San Miguel Mining District, County of San Miguel, State of Colorado, described by metes and bounds as follows: to- wit:- Beginning at corner #1, thence 1500 feet west to corner #2, thence 600 feet north

- Answers to Questions - Form NP-103 -

Mr. A. L. Wilhite
and
Mr. V. C. Hamilton
P. O. Box 954
Cortez
Colorado

Partnership

Phone 310W

to corner #3, thence 1500 feet east to corner #4, thence 600 feet south to corner #1, same being the point of beginning. Jack Pot #1 claim is located on the north side of Gypsum Valley on the west end of U.S.V. claim known as Bull Hill.

Jack Pot #2 Claim:- Same description as the Jack Pot #1 claim and located on the south side of Jack Pot #1 claim. See map marked Exhibit "A" attached.

Rose June claim:- Beginning at corner #1, which is identical with corner #2 of Jack Pot #1, thence southerly 600 feet to corner #2 which is identical with corner #3 of the Jack Pot #1, thence easterly 1500 feet to corner #3 which is identical with corner #1 of Fissure claim, thence northerly 600 feet to corner #4 which is identical with corner #4 of Fissure claim, thence easterly 1500 feet to corner #1, point of beginning.

Spud Patch Area:

Betty Ruth Claim:- Beginning at Southwest corner of Section 28, T43N, R 18 W, thence North 165 feet to corner #1, thence East 1500 feet to corner #2, thence South 600 feet to corner #3, thence West 1500 feet to corner #4, thence North 600 feet to corner #1, closing traverse.

Ring Cone Claim:- Beginning at the Southwest corner of Section 28, T43N, R18W, thence 165 feet North to corner #1, thence 600 feet North to corner #2, thence 1500 feet East to corner #3, thence 600 feet South to corner #4, thence 1500 feet West to corner #1, with all its appurtenances.

(2)

a). Applicant expects to discover uranium-vanadium ores. The Principal ore mineral will be carnotite.

b). In the Spud Patch area it is proposed to wagon drill the Betty Ruth and Ring Cone claims. Reference is made to the attached map, marked Exhibit "B" on which is indicated the claims and the location of the proposed drill holes. The surface of the area within the claims is gently rolling or level. In this area the clay bed has a habit of unexpectedly rolling down which in turn determines the depth of the holes. Therefore, the average depth of the holes has been estimated at 75 feet. The Salt Wash member of the Morrison formation, which is the mineralized bed, outcrops over the claims. On the attached map the rim outcrop of the base of the principal mineralized bed is shown as a dashed line. The top of the mesa is covered with a rather thick growth of scrub oak brush.

At the rim, where discovery was made on both claims, surface cuts have exposed float ore in loose over-burden. Not enough excavation has been done to expose the bed in place. Two short X-cuts driven higher in the mineralized bed are also shown on the attached map marked Exhibit "B". Some mineralization was encountered but it is believed the X-cuts are too high in the formation. However, it is quite possible that there are two zones of mineralization in the Salt Wash member of the formation at this point. The Spud Patch area has an excellent production record of better than average grade ore. If the claims are drilled it is the writer's opinion that important discoveries of uranium-vanadium ore will be made.

- Answers to Questions - Form MP-103 -

Mr. A. L. Wilhite
and
Mr. V. C. Hamilton
P. O. Box 954
Cortez
Colorado

Partnership

Phone 310W

In the Big Gypsum Valley area it is proposed to drive three exploration X-cuts to explore at three different points a faulted block of Morrison formation. As previously stated it is not believed feasible to core drill the ground. The formation in the faulted block dips at 55 degrees to the south and is covered deep with surface debris and boulders. Surface cuts and excavations show mineralization at several points along two zones some 100 feet apart. The ore mineral is carnotite.

(3)

a). Applicant is applying for an exploration loan to wagon drill two claims in the Spud Patch area and to drive three X-cuts at different points on the Rose June and Jack Pot #1 claims. See attached maps marked Exhibit "B" and "A" respectively. Both to be considered as one exploration project.

ESTIMATED COSTS OF THE SPUD PATCH PROJECT: (Based on: total feet 6900'. Drilling speed 100'/day. Time required 3 months. One wagon drill).

	PER MONTH	3 MONTH	
1- Wagon drill. Cost $9,000. use allowance 1/60 cost per month -	$ 150.00	$ 450.00	
1- D7 Cat Dozer, rental @ $100 dy. 12dy/mo	1200.00	3600.00	
1-Pickup truck, cost $1000, use allowance 1/60 cost per month -	30.00	90.00	
Drill operating expenses, drill bits, etc. gas & oil, repairs -	600.00	1800.00	
Moving rig in and out, incidental freight		600.00	$6540.00
Direct labor costs:			
1- drill operator @ $20/dy -	480.00	1440.00	
1- drill helper @ $16/dy	384.00	1152.00	2592.00
Overhead costs:			
1- Superintendent & Engineer (combined)	350.00	1050.00	
Assaying expenses - ($300/mo)	300.00	900.00	
Office accounting, payroll taxes ($400/mo)	200.00	600.00	2550.00
Total -			$11682.00
Cost per foot -			1.70

- Answers to Questions - Form MF-100-

Mr. A. L. Wilhite
and
Mr. V. C. Hamilton
P. O. Box 954
Cortez
Colorado

Partnership

Phone 310W

ESTIMATED COSTS OF THE BIG GYPSUM VALLEY PROJECT:

Unit project #2 and #3, (See Map). Total feet of X-cuts 650 feet. Advance 10 feet per day. Time required 3 months. One compressor serving both units.

	PER MONTH	3 MONTHS	
1- 210 cu. ft. Compressor, rental at -	$250.00	$ 750.00	
Gas, oil, repairs and services -	240.00	720.00	
1- Pickup truck, gas, oil & services -	96.00	288.00	
2-Jackhammers with jack legs, use allowance 1/60 cost/mo. -	20.00	60.00	
Rails(8#), fish plates, bolts & ties		300.00	
Air & water pipe (2" & 3/4") 1000' ea.		1000.00	
Powder, caps & fuse - $15/dy. adv. 10 ft./dy. -	360.00	1080.00	
2- wheelbarrows & supply mine tools		100.00	
1- Water truck & tank (2/3 rental @ $60/dy) -	960.00	2880.00	
Drill steel & bits -	240.00	720.00	$7898.00
Direct labor costs:			
4- miners @ $18/dy(includes bonus)	1728.00	5184.00	$5184.00
Overhead costs:			
1- Superintendent & Engineer (combined 2/3 of $350/mo -	234.00	702.00	
Accounting expenses 2/3 of $200/mo -	134.00	402.00	$1104.00
Cost per foot $21.80		Total -	$14186.00

Unit Project #1: (See map). Sink 250 feet incline X-cut at 18 degree slope. Advance 4 ft./dy. Time required 3 months.

1- 105 cu. ft. Compressor. Cost $4000. Use allowance 1/60 per month -	66.00	198.00	
1- Double drum hoist, slusher and cable Cost $3000. Use allow.@1/60/mo. -	50.00	150.00	
Gas, oil and repairs -	100.00	300.00	
1- Jack hammer and jack leg. Cost $600 Use allowance @1/60/mo. -	10.00	30.00	
Rails (8#), fish plates, bolts and ties -		175.00	
Air & water pipe (2"&3/4") 300' each -		300.00	
Powder, caps & fuse, $8/dy. - 4' adv. -	192.00	576.00	
Supply small mine tools -		50.00	
Drill steel & bits -	120.00	360.00	
Water truck & tank 1/3 rental	480.00	1440.00	$3579.00
Direct labor costs:			
2- Miners @ $18/dy. (includes bonus)	864.00	2592.00	
1- Hoistmand and operate slusher -	432.00	1296.00	3888.00
Overhead costs:			
1-Supt. and Engineer 1/3 cost $350/mo	116.00	348.00	
Accounting expenses @1/3 of $200/mo -	66.00	198.00	546.00
		Total -	$8013.00

Cost per foot $32.00

Total cost Spud Patch Project - - - $11,682.00
" " Big Gyp Valley Project - 22,199.00
" " of Project - - - - - - - - $33,881.00

- Answers to Questions - Form MF-100-

Mr. A. L. Wilhite
and
Mr. V. C. Hamilton
P. O. Box 954
Cortez
Colorado

Partnership

Phone 310W

For your information Applicant has just contacted several contract drillers in the area for bids on the wagon drilling. One Contractor bid $2.00 per foot and would furnish his own Dozer for building roads and preparing drill hole sites. It is believed this is a reasonable bid and close to estimated costs.

(3).
b). Time required to start work not more than 30 days from date the contract is signed.

Estimated time required to complete the project - three (3) months.

(4) See attached maps marked Exhibit "A" and "B".

(5) There are no existing buildings or facilities on the property and none will be required.

(6). None required.

(7).
a). It is planned to rent monthly the following equipment:

1- D7 Cat Dozer
1- Water truck and tank
1- 210 cu. ft. Compressor

Rental costs indicated in (3) a), above.

b). Operator is negotiating for and plans on purchasing one Wagon drill mounted on a truck. Cost will be $9000 and will be furnished by the operator at the "use allowance" rate of 1/60 of the cost per month. See (3) a) above. Mine rails, air pipe, water pipe and usable mine supplies purchased at a cost to the project.

c). Operator owns and has available for the job the following equipment:

3- Jack Hammers and Jack Legs
1- 105 cu. ft. Compressor
1- Pickup truck
3- Mine cars
1- Double Drum Hoist, slusher and cable.

Operator proposes to furnish this equipment to the project at the use allowance rate of 1/60 of the cost per month. See (3) a) above for the costs to the project.

(8) and (9).

See (3) a) above for itemized coststo the project.

(10).
a). Applicant is prepared to invest 10% of the total cost of the project or $3,388.10.

b). This amount is 10% of the total cost ($33,881.00) of the project and is sufficient to pay applicants part of the project.

(11).

There are no known conditions or circumstances not sufficiently brought out by the foregoing questions.

Form MF-103
(Revised June 1951)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Budget Bureau No. 42-R1035.1.

MF-103 Should Be Filed With General Technical Data Form MF-100

APPLICATION FOR AID FOR AN EXPLORATION PROJECT PURSUANT TO MINERAL ORDER 5, UNDER DEFENSE PRODUCTION ACT OF 1950

Not To Be Filled in by Applicant

Docket No. DMEA-2570
Metal or Mineral
Date Received 6-6-52
Amount $
Participation (Government %)

JUN 9 1952
RECEIVED

Name and address of applicant

Mr. A. L. Millito
and
Mr. V. C. Hamilton
P. O. Box 954
Cortez
Colorado
Phone 310U

Partnership

Date May 26, 1952

If you have already filed MF-100, give date filed May 26, 1952, type of assistance requested PUBLIC MINING LOAN,

DMA Docket Number (if available)

INSTRUCTIONS

Read Mineral Order 5, Regulations Governing Government Aid in Defense Projects, before completing this application. Submit four copies each, of the signed application form, General Technical Data Form MF-100, and answers to questions as specified, to Defense Minerals Administration, Department of the Interior, Washington 25, D. C., or to the nearest field executive office thereof, with your name and address on each sheet of the application and all accompanying papers. If you have previously filed MF-100, it is not necessary to file it again. However, you should indicate in space provided above the type of assistance previously applied for (loans, procurement contracts, etc.) and DMA Docket Number, if available. *When a question is inapplicable it should be so stated in the form.* Additional sheets should be attached in answering any questions or in supplying additional information. IF YOU CANNOT ANSWER A QUESTION, SO STATE.

1. (*a*) Give a description of the real property that will be in any way involved in the exploration project, including any existing mine or operating property.

   (*b*) If you are not the owner of the property, submit a copy of the lease, purchase option, or other agreements under which you are authorized to operate the property with each copy of your application.

   (*c*) Give the legal description of the exact parcel, plot, or area upon which the exploration is to be conducted.

   NOTE: (1) If both areas are the same, so state. The only obligation to repay the Government is from the net earnings from any commercial discovery made in the area specified in (*c*) above in which the exploration is to be conducted, and the expenditure of funds which may be charged as costs of the project must be limited to that area or to work necessary to perform the exploration in that area.

   (2) If applicant is not the owner of the property or if there are any liens or encumbrances against the property, copy of agreements of claimants, lienors, encumbrances, and lessors subordinating their interests in the property to the interest of the Government under the Exploration Project Contract will be required for attachment to the Contract.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUN 6 1952

2. (*a*) What metals or minerals do you expect to find?

   (*b*) Furnish statement of the geologic features of your property, giving type of ore deposit and reasons for expecting to find commercial ore bodies. Illustrate with maps or sketches. If you have a geologic or engineering report, or assay maps showing width and grade, please send them with application, stating whether or not you wish to have them returned.

16—64067-2

- SEE ATTACHED SHEETS FOR ANSWER TO QUESTIONS -

The information requested in questions 3, 4, 5, 6, 7, 8, and 9 below should be answered specifically and in detail, as this information will be attached to and incorporated as part of the Exploration Project Contract, if such contract is entered into with you by the Government.

ANSWER EACH QUESTION ON SEPARATE SHEETS OF PAPER AND SUBMIT A COPY OF EACH ANSWER FOR EACH COPY OF YOUR APPLICATION.

3. (*a*) Describe fully the proposed work and give the total cost of the project.

   (*b*) State the time required to start the project and to complete it.

4. Submit a map or sketch of the property involved showing a plan (and cross section, if needed) of the present mine workings and the *location of the proposed exploration work* as related to geologic features, such as contacts, veins, ore-bearing beds, etc.

5. Furnish an itemized list of existing facilities, buildings, installations, and fixtures with a statement of the cost of any necessary rehabilitation or repairs to put into useful and operable condition.

6. Furnish a detailed list of additional facilities, buildings, and fixtures to be purchased, installed, or erected by you, with the estimated cost of each item.

7. Furnish a detailed list of operating equipment, separated into items to be—

   (*a*) Rented

   (*b*) Purchased

   (*c*) Furnished by you

   with the rental, purchase price, or depreciation of each item, as the case may be, to be charged as a cost of the project.

8. Furnish an itemized schedule of labor, by numbers and classes (miners, muckers, etc.) and of supervisors by numbers and positions, with the maximum wages or salaries to be paid to each.

9. Furnish a detailed list with estimated cost of each item for materials, supplies, engineering, assaying, accounting, power, water, utilities, and any other items not provided for above.

10. (*a*) How much are you prepared to invest in the proposed project?

    (*b*) Is this amount sufficient to pay your part of the cost of the project, in accordance with the regulations on Government participation (Sec. 9 of MO–5)?

11. State any conditions or circumstances regarding the property not sufficiently brought out by the foregoing questions.

CERTIFICATION

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this form and accompanying papers is correct and complete to the best of their knowledge and belief.

A. L. Wilhite (
and (Partnership
V. C. Hamilton (
(Name of company)

By A. L. Wilhite
(Signature of authorized official)

May 26, 1952
(Date)

(Title)

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—64067-2

- Answers to Questions - Form PF-100 -

Mr. A. L. Wilhite
and
Mr. V. C. Hamilton
P. O. Box 954
Cortez
Colorado

Partnership

Phone 3104

(1)

a). Applicants are applying for a DMEA exploration loan to wagon drill two uranium claims located in San Miguel County, Colorado. These claims are located in the area known as the "Spud Patch" and are 43 miles distant from Monticello, Utah. Also desired as part of the project is an exploration loan to drive three exploratory X-cuts on a group of three uranium claims located on the north side of Big Gypsum Valley in San Miguel County, Colorado, distant 65 miles from Monticello, Utah. Both pieces of exploratory work to be considered as one project. The distance between the two projects, via Slick Rock, isapproximately 35 miles.

United States Vanadium Corporation and Vanadium Corporation of America own and have operated mines in the Spud Patch area. However, with the exception of one incline shaft now being sunk, all effort is being confined to their own drilling program.

In the Big Gypsum Valley, the U. S. Vanadium Corporation is mining several claims to the east of the Wilhite-Hamilton group. There are other neighboring mines operating in the area to the east.

Spud Patch Area:

The claims involved in the exploration project in the Spud Patch area are: BUTTY RUTH and RING CONE. It is proposed to wagon drill these claims. Reference is made to the attached map marked Exhibit "B" on which is shown these claims and the location of the proposed holes.

Big Gypsum Valley Area:

The claims involved in the exploration project in the Big Gypsum Valley are shown on the attached map marked Exhibit "A" and are: ROSE JUNE, JACK POT #1 and JACK POT #2. It is proposed to drive three X-cuts, one of which will be on an incline of approximately 10 degrees. The location of the X-cuts is shown on the attached map marked Exhibit "A". Extending east and west throughout the entire length of the Rose June and Jack Pot #1 claims is a faulted block of the Morrison formation. Within the block there appears to be two mineralized zones 100 feet apart. The beds have been highly tilted and are now standing on a 55 degree dip to the south. It is the opinion of Lee J. Cassy, Consulting Mining Engineer of Grand Junction, Colorado, who examined the property and prepared this application, that it is not feasible to core drill the claims. The physical structure of the terrain, overburden and large boulders would make core drilling difficult and expensive. Accordingly, the three X-cuts were proposed in lieu of drilling.

b). Applicant is the owner of all of the above claims thru right of location. All are unpatented uranium - vanadium mining claims. Mineralization is principally carnotite.

c). Legal description of the claims: (Gypsum Valley Area)

Jack Pot #1 Claim:- 300 feet on the north side and 300 feet on the south side of the center of the vein at the surface and 100 feet running east from the center of discovery cut and 1400 feet running west from center of discovery cut being situate upon said lode vein, lodge or deposit and within the lines of said claim in lower San Miguel Mining District, County of San Miguel, State of Colorado, described by metes and bounds as follows: to- wit:- Beginning at corner #1, thence 1500 feet west to corner #2, thence 600 feet north

- Answers to Questions - Form MP-103 -

Mr. A. L. Wilhite
and
Mr. V. C. Hamilton
P. O. Box 954
Cortez
Colorado

Partnership

Phone 3107

to corner #3, thence 1500 feet east to corner #4, thence 600 feet south to corner #1, same being the point of beginning. Jack Pot #1 claim is located on the north side of Oyster Valley on the west end of U.S.V. claim known as Bull Hill.

Jack Pot #2 Claim:- Same description as the Jack Pot #1 claim and located on the south side of Jack Pot #1 claim. See map marked Exhibit "A" attached.

Rose June claim:- Beginning at corner #1, which is identical with corner #2 of Jack Pot #1, thence southerly 600 feet to corner #2 which is identical with corner #3 of the Jack Pot #1, thence easterly 1500 feet to corner #3 which is identical with corner #1 of Fissure claim, thence northerly 600 feet to corner #4 which is identical with corner #4 of Fissure claim, thence easterly 1500 feet to corner #1, point of beginning.

Spud Patch Area:

Betty Ruth Claim:- Beginning at Southwest corner of Section 20, T43N, R 13 W, thence North 165 feet to corner #1, thence East 1500 feet to corner #2, thence South 600 feet to corner #3, thence West 1500 feet to corner #4, thence North 600 feet to corner #1, closing traverse.

Ring Cone Claim:- Beginning at the Southwest corner of Section 20, T43N, R13W, thence 165 feet North to corner #1, thence 600 feet North to corner #2, thence 1500 feet East to corner #3, thence 600 feet South to corner #4, thence 1500 feet West to corner #1, with all its appurtenances.

(2)

a). Applicant expects to discover uranium-vanadium ores. The Principal ore mineral will be carnotite.

b). In the Spud Patch area it is proposed to wagon drill the Betty Ruth and Ring Cone claims. Reference is made to the attached map, marked Exhibit "B" on which is indicated the claims and the location of the proposed drill holes. The surface of the area within the claims is gently rolling or level. In this area the clay bed has a habit of unexpectedly rolling down which in turn determines the depth of the holes. Therefore, the average depth of the holes has been estimated at 75 feet. The Salt Wash member of the Morrison formation, which is the mineralized bed, outcrops over the claims. On the attached map the rim outcrop of the base of the principal mineralized bed is shown as a dashed line. The top of the mesa is covered with a rather thick growth of scrub oak brush.

At the rim, where discovery was made on both claims, surface cuts have exposed float ore in loose over-burden. Not enough excavation has been done to expose the bed in place. Two short X-cuts driven higher in the mineralized bed are also shown on the attached map marked Exhibit "B". Some mineralization was encountered but it is believed the X-cuts are too high in the formation. However, it is quite possible that there are two zones of mineralization in the Salt Wash member of the formation at this point. The Spud Patch area has an excellent production record of better than average grade ore. If the claims are drilled it is the writer's opinion that important discoveries of uranium-vanadium ore will be made.

- Answers to Questions - Form RP-103 -

Mr. A. L. Wilhite
and
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Colorado

Partnership

Phone 3107

to corner #3, thence 1500 feet east to corner #4, thence 600 feet south to corner #1, same being the point of beginning. Jack Pot #1 claim is located on the north side of Gypsum Valley on the west end of U.S.V. claim known as Bull Hill.

Jack Pot #2 Claim:- Same description as the Jack Pot #1 claim and located on the south side of Jack Pot #1 claim. See map marked Exhibit "A" attached.

Rose June claim:- Beginning at corner #1, which is identical with corner #2 of Jack Pot #1, thence southerly 600 feet to corner #2 which is identical with corner #3 of the Jack Pot #1, thence easterly 1500 feet to corner #3 which is identical with corner #1 of Fissure claim, thence northerly 600 feet to corner #4 which is identical with corner #4 of Fissure claim, thence easterly 1500 feet to corner #1, point of beginning.

Spud Patch Area:

Betty Ruth Claim:- Beginning at Southwest corner of Section 20, T43N, R 10 W, thence North 165 feet to corner #1, thence East 1500 feet to corner #2, thence South 600 feet to corner #3, thence West 1500 feet to corner #4, thence North 600 feet to corner #1, closing traverse.

Ring Cone Claim:- Beginning at the Southwest corner of Section 20, T43N, R10W, thence 165 feet North to corner #1, thence 600 feet North to corner #2, thence 1500 feet East to corner #3, thence 600 feet South to corner #4, thence 1500 feet West to corner #1, with all its appurtenances.

(2)

a). Applicant expects to discover uranium-vanadium ores. The Principal ore mineral will be carnotite.

b). In the Spud Patch area it is proposed to wagon drill the Betty Ruth and Ring Cone claims. Reference is made to the attached map, marked Exhibit "B" on which is indicated the claims and the location of the proposed drill holes. The surface of the area within the claims is gently rolling or level. In this area the clay bed has a habit of unexpectedly rolling down which in turn determines the depth of the holes. Therefore, the average depth of the holes has been estimated at 75 feet. The Salt Wash member of the Morrison formation, which is the mineralized bed, outcrops over the claims. On the attached map the rim outcrop of the base of the principal mineralized bed is shown as a dashed line. The top of the mesa is covered with a rather thick growth of scrub oak brush.

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- Answers to Questions - Form NF-103 -

Mr. A. L. Milhite
and
Mr. V. C. Hamilton
P. O. Box 954
Cortez
Colorado

Partnership

Phone 3109

In the Big Gypsum Valley area it is proposed to drive three exploration X-cuts to explore at three different points a faulted block of Morrison formation. As previously stated it is not believed feasible to core drill the ground. The formation in the faulted block dips at 55 degrees to the south and is covered deep with surface debris and boulders. Surface cuts and excavations show mineralization at several points along two zones some 100 feet apart. The ore mineral is carnotite.

(3)

a). Applicant is applying for an exploration loan to wagon drill two claims in the Spud Patch area and to drive three X-cuts at different points on the Rose June and Jack Pot #1 claims. See attached maps marked Exhibit "B" and "A" respectively. Both to be considered as one exploration project.

ESTIMATED COSTS OF THE SPUD PATCH PROJECT: (Based on: total feet 6900'. Drilling speed 100'/day. Time required 3 months. One wagon drill).

	PER MONTH	3 MONTH	
1- Wagon drill. Cost $9,000. use allowance 1/60 cost per month -	$ 150.00	$ 450.00	
1- D7 Cat Dozer, rental $ 100 dy. 12dy/mo	1200.00	3600.00	
1-Pickup truck, cost $1800. use allowance 1/60 cost per month -	30.00	90.00	
Drill operating expenses, drill bits, etc. gas & oil, repairs -	600.00	1800.00	
Moving rig in and out, incidental freight		600.00	$6540.00
Direct labor costs:			
1- drill operator @ $20/dy -	480.00	1440.00	
1- drill helper @ $16/dy	384.00	1152.00	2592.00
Overhead costs:			
1- Superintendent & Engineer (combined)	350.00	1050.00	
Assaying expenses - ($300/mo)	300.00	900.00	
Office accounting, payroll taxes ($400/mo)	200.00	600.00	2550.00
Total -			$11682.00
Cost per foot -			1.70

- Answers to Questions - Form MP-100-

Mr. A. L. Wilhite
and
Mr. V. C. Hamilton
P. O. Box 954
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Colorado

Partnership

Phone 310J

ESTIMATED COSTS OF THE BIG GYPSUM VALLEY PROJECT:

Unit project #2 and #3, (See Map). Total feet of X-cuts 650 feet. Advance 10 feet per day. Time required 3 months. One compressor serving both units.

	PER MONTH	3 MONTHS	
1- 210 cu. ft. Compressor, rental at -	$250.00	$ 750.00	
Gas, oil, repairs and services -	240.00	720.00	
1- Pickup truck, gas, oil & services -	96.00	288.00	
2-Jackhammers with jack legs, use allowance 1/60 cost/mo. -	20.00	60.00	
Rails(8#), fish plates, bolts & ties		300.00	
Air & water pipe (2" & 3/4") 1000' ea.		1000.00	
Powder, caps & fuse - $15/dy. adv. 10 ft./dy. -	360.00	1080.00	
2- wheelbarrows & supply mine tools		100.00	
1- Water truck & tank (2/3 rental @ $60/dy) -	960.00	2880.00	
Drill steel & bits -	240.00	720.00	$7898.00
Direct labor costs:			
4- miners @ $18/dy(includes bonus)	1728.00	5184.00	$5184.00
Overhead costs:			
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Accounting expenses 2/3 of $200/mo -	134.00	402.00	$1104.00
Cost per foot $21.80		Total -	$14186.00

Unit Project #1: (See map). Sink 250 feet incline X-cut at 18 degree slope. Advance 4 ft./dy. Time required 3 months.

1- 105 cu. ft. Compressor. Cost $4000. Use allowance 1/60 per month -	66.00	198.00	
1- Double drum hoist, slusher and cable Cost $3000. Use allow.@1/60/mo. -	50.00	150.00	
Gas, oil and repairs -	100.00	300.00	
1- Jack hammer and jack leg. Cost $600 Use allowance @1/60/mo. -	10.00	30.00	
Rails (8#), fish plates, bolts and ties -		175.00	
Air & water pipe (2"&3/4") 300' each -		300.00	
Powder, caps & fuse, $8/dy. - 4' adv. -	192.00	576.00	
Supply small mine tools -		50.00	
Drill steel & bits -	120.00	360.00	
Water truck & tank 1/3 rental	480.00	1440.00	$3579.00
Direct labor costs:			
2- Miners @ $18/dy. (includes bonus)	864.00	2592.00	
1- Hoistmand and operate slusher -	432.00	1296.00	3888.00
Overhead costs:			
1-Supt. and Engineer 1/3 cost $350/mo	116.00	348.00	
Accounting expenses @1/3 of $200/mo -	66.00	198.00	546.00
		Total -	$8013.00

Cost per foot $32.00

Total cost Spud Patch Project - - - $11,682.00
" " Big Gyp Valley Project - 22,199.00
" " of Project - - - - - - - - - $33,881.00

- Answers to Questions - Form MF-100-

Mr. A. L. Wilhite
and
Mr. V. C. Hamilton
P. O. Box 954
Cortez
Colorado

Partnership

Phone 310W

For your information Applicant has just contacted several contract drillers in the area for bids on the wagon drilling. One Contractor bid $2.00 per foot and would furnish his own Dozer for building roads and preparing drill hole sites. It is believed this is a reasonable bid and close to estimated costs.

(3).
b). Time required to start work not more than 30 days from date the contract is signed.

Estimated time required to complete the project - three (3) months.

(4) See attached maps marked Exhibit "A" and "B".

(5) There are no existing buildings or facilities on the property and none will be required.

(6). None required.

(7).
a). It is planned to rent monthly the following equipment:

1- D7 Cat Dozer
1- Water truck and tank
1- 210 cu. ft. Compressor

Rental costs indicated in (3) a), above.

b). Operator is negotiating for and plans on purchasing one Wagon drill mounted on a truck. Cost will be $9000 and will be furnished by the operator at the "use allowance" rate of 1/60 of the cost per month. See (3) a) above. Mine rails, air pipe, water pipe and usable mine supplies purchased at a cost to the project.

c). Operator owns and has available for the job the following equipment:

3- Jack Hammers and Jack Legs
1- 105 cu. ft. Compressor
1- Pickup truck
3- Mine cars
1- Double Drum Hoist, slusher and cable.

Operator proposes to furnish this equipment to the project at the use allowance rate of 1/60 of the cost per month. See (3) a) above for the costs to the project.

(8) and (9).

See (3) a) above for itemized coststo the project.

(10).
a). Applicant is prepared to invest 10% of the total cost of the project or $3,388.10.

b). This amount is 10% of the total cost ($33,881.00) of the project and is sufficient to pay applicants part of the project.

(11).

There are no known conditions or circumstances not sufficiently brought out by the foregoing questions.

Form MF-100
(May 1951)

U. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Form approved.
Budget Bureau No. 42-R1026.

GENERAL TECHNICAL DATA
FOR USE UNDER THE
DEFENSE PRODUCTION ACT OF 1950

NOT TO BE FILLED IN BY APPLICANT

Docket No. DMEA-2570

Date received 6-6-52

A. L. Wilhite
and
V.C. Hamilton
Box 954
Cortez
Colorado

Partnership

Phone 310W

Name and address of applicant

Date May 26, 1952

INSTRUCTIONS

This form is to be filed with Defense Minerals Administration, Department of the Interior, Washington 25, D. C. It should be accompanied by appropriate application form when a specific type of Government assistance is requested, in the form of (1) loan, (2) purchase contract, (3) Government guarantee of a private loan, (4) priorities or allocation of mining equipment, and maintenance, repair and operating supplies, and (5) other forms of Government assistance that might arise under the Act. Submit four (4) signed copies of the form and accompanying papers. Name and address should be stamped or typed on each sheet of this form and all accompanying papers. *When a question is inapplicable it should be so stated on the form.* Additional sheets may be attached in answering any questions or in supplying additional information. (IF YOU CANNOT ANSWER A QUESTION, SO STATE.) If a question is answered elsewhere indicate where answered. It is not necessary to answer it again.

GENERAL TECHNICAL DATA

Supply the following information on separate sheets, arranged, numbered, and lettered as indicated:

1. Materials produced:
   (*a*) What are the chief mine, mill, or smelter products?
   (*b*) What are the byproducts, if any?
2. Name(s) and type(s) of mine(s), mill(s), smelter(s), refinery(ies), pit(s), quarry (ies), drilling operation(s). Include old names of property, if any. Show extent of workings, including the following:
   (*a*) Linear feet of shafts.
   (*b*) Linear feet of drifts and crosscuts.
   (*c*) Linear feet of tunnels or adits.
   (*d*) Linear feet of other mine openings (explain briefly).

   Indicate whether mine is flooded or not. Describe any pumping problems. Give size or productive capacity.
3. For each operation listed above supply the following:
   (*a*) Distance and direction from nearest town and shipping point.
   (*b*) Mining district.
   (*c*) Township, Section, Range.
   (*d*) County, State.
4. (*a*) State whether or not property is now in operation, and if in operation, by whom operated.
   (*b*) Are you operating this property as:
   - ☐ Owner.
   - ☐ Lessee.
   - ☐ Contractor.
5. Number of years in production _____

   If not in production or operation, estimated date when production will begin _____
6. Experience of operators:
   Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who manage the project.
7. History:
   (*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for suspension of operation.
   (*b*) State briefly the known history and production of adjoining and neighboring properties.
   (*c*) Furnish any available (private) reports that may apply to this application, including results of mine examinations, recommended exploration and development, and metallurgical investigations.

8. Names and addresses of Officers, Directors, or Partners, and in addition thereto, the five largest stockholders if applicant is a corporation.

Name and Address (a)	Official Title (If officer is also director indicate by "D") (b)	Total of Annual Salary, Commissions, Bonuses, Etc., Received From Applicant and Affiliates During Last Fiscal Year (c)	Estimated Net Worth Outside of Interest in Applicant (d)	Number of Shares Held in Applicant Corporation		Life Insurance Carried for Benefit of Applicant	
				Common (e)	Preferred (f)	Amount (g)	Net Cash Surrender Value After Loans (h)
	Total		x x x x x			x x x x x	x x x x x

If more lines are needed continue on separate sheet.

9. Capital Stock Issues:

For Corporate Applicants

Item	Authorized (a)	Outstanding (b)	Par Value (c)	Number of Shares Outstanding (d)	Dividend Rate Last Paid* (e)
Common stock	$	$	$		
Preferred stock	$	$	$		

*Indicate period covered.

10. Production:

Item	Kind of Product (a)	1948 Total (b)	1949 Total (c)	1950 Total (d)	Present Average Monthly (e)
1. Quantity of product mined or quarried (Short, long, metric tons; barrels; pounds; etc.)					
2. Quantity of product processed (specify unit of measure and type of process)					
3. Quantity and grade of product sold or shipped (specify units of measure)					

11. Do you contemplate a change in the present average monthly rate of production? If so, state estimated maximum monthly production and basis of change.

12. Ore or Mineral Reserves:

(*a*) Describe the ore or mineral deposit briefly. Accompany the application by any available report on the geology and ore reserves.

- Answers to Questions - Form MF-100-

Mr. A. L. Wilhite
and
Mr. V. C. Hamilton
P. O. Box 954
Cortez
Colorado

Partnership

Phone 310W

(1)

a). Uranium and vanadium ore.

b). No by-products

(2). Wagon drilling on claims in the Spud Patch area and exploratory X-cuts in the Big Gyp Valley area. See maps attached to Application Form MF-103.

The only work done on any of the claims involved in the project has been dozer cuts and two 30 foot X-cuts at the rim on the Ring Cone claim in the Spud Patch area.

(3).

a). Crude ore would go to Monticello, Utah; distance from the claims in the Spud Patch is 43 miles. Distance from the claims in Big Gypsum Valley to Monticello is 65 miles.

b). Lower San Miguel Mining District.

c). The Jack Pot #1, the Jack Pot #2 and the Rose June claims are located in Sections 16 and 17, T44N, R17W, NMPM. The Betty Ruth and Ring Cone claims are located in Sections 21 and 28, T43N, R18W, NMPM.

d). San Miguel County, Colorado.

(4).

a). Not operating.

b). Owner.

(5). No production. Production contingent on exploration discoveries.

(6). The operation will be in charge of Mr. Wilhite, one of the owners.

During the past twenty years Mr. Wilhite has been active in uranium mining on the Colorado Plateau. His well-rounded mining experience has been acquired while serving as miner, foreman and in contract mining for himself. He has several years of coal mining experience having operated small coal mines for his own account. Over the years he has worked as a miner and boss for both the U. S. Vanadium Corporation and the Vanadium Corporation of America in this area. He is a citizen of Cortez, Colorado. He is married, has a family and makes his home there.

Mr. Hamilton is a partner in the mining venture and owns a one half interest in the claims. He likewise makes his home in Cortez, Colorado. Mr. Hamilton has a fleet of ore trucks and is active in the ore hauling business throughout the Colorado Plateau.

(7). Unpatented mining claims with no past operating periods.

(8). Partnership: Mr. A.L. Wilhite, Box 954, Cortez, Colorado
Mr. V.C. Hamilton, " " " "
Phone 310W

c). No income from the property.

d). Net worth of the applicants outside of the property on which the exploration loan has been requested is $125,000.00

- Answers to Questions - Form MP-100-

Mr. A. L. Wilhite
and
Mr. V. C. Hamilton
P. O. Box 954
Cortez
Colorado

Partnership

Phone 3108

(9). Inapplicable.

(10). No production.

(11). Inapplicable.

(12). No ore reserves.

(13). The distance from the two claims in the Spud Patch area to Monticello, Utah, is 43 miles over improved gravel, dirt or oiled surface roads. The distance from the three claims in the Big Gypsum Valley area to Monticello, Utah, is 65 miles over the same type of roads. Monticello is the nearest shipping point. The U. S. Atomic Energy Commission has a processing plant for uranium ores at Monticello. Monticello would also be the nearest point where supplies would be available.

(14). The claims in the Spud Patch area will be wagon drilled and no water is required. The only water necessary will be for camp purposes. Water for drilling and for camp purposes will be required for the exploration on the claimsin the Big Gypsum Valley area. There is no visible supply of water in Big Gypsum Valley for any purpose. Water for the above purposes will have to be hauled. It is planned to haul the water from a spring located not far from the Dry Valley store. The distance from the spring to the claims is 20 miles.

(15). Gasoline.

(16). 7 miners and 2 wagon drill operators required.
1-Superintendent and Engineer combined.
These are available.

(17). There are no buildings now on the property. None will be required. There is no equipment presently on the property. However, Operator has some mining equipment available for the project and will rent or purchase the balance. See (7) a), b) and c) of answers to questions Form MP-103, which is attached and accompanies this Form.

(18). There are no known conditions or circumstances affecting the operations which have not sufficiently been broughtout by the foregoing questions.

(*b*) If deposit is other than pla

(1) Submit assay plans and/or sections showing location and size of proved (measured) and probable (indicated) ore or mineral reserve.

(2) State the tonnage (indicate type of ton) and grade of each class of ore reserve, as above, and show how computed. Tabulated total ore reserve as follows:

TOTAL ORE OR MINERAL RESERVES

Ore or Mineral Reserve	Estimated Tons (a)	Metal or Mineral Content Per Ton (Grade) (b)	Gross Value Per Ton (c)	Recoverable Unit Value Per Ton (d)	Estimated Cost of Production Per Ton (e)
Measured (proved)					
Indicated (probable)					

(*c*) If placer:

(1) Give estimated total yardage and average marketable mineral content of each deposit.

(2) Submit map showing location of placer deposit and surrounding area, with all test holes or pits. Submit logs of each hole and test pit with depth and average value of each.

(3) Describe gravel, stating whether fine, medium or coarse; loose, tight, cemented, or frozen, and whether it contains stumps or boulders more than 1 foot in diameter; if so, how large, and in what proportion.

(4) Describe bedrock, giving type (granite, sandstone, shale, etc.) and state whether it is hard or soft, smooth, uneven or rough.

(5) Describe overburden, stating whether loose, tight, or cemented; fine or coarse textured; furnish estimate of average thickness and total amount.

(6) Tabulate the reserves using the form outlined above for ore or mineral reserves.

13. Access Roads:

Give road distances to shipping, supply and residence points, stating kind and condition of roads.

14. Water Supply:

State source and quantity of water available for operations and whether sufficient for all seasons of year.

15. Power:

State amount of power used, rate per hour, and source thereof.

16. Labor:

State number and classes (miners, muckers, millmen, etc.) of men employed during a recent representative payroll period.

17. Equipment and Facilities:

Describe present equipment on the property, including buildings. (State condition.) List major pieces of equipment now owned or controlled and in serviceable condition available for this operation.

18. Are there any particular conditions or circumstances affecting your operations that are not described above? If so, explain.

CERTIFICATION

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this form and accompanying papers is correct and complete to the best of their knowledge and belief.

A.L. Wilhite (
and (Partnership
V.C. Hamilton (
(Name of company)

By A. L. Wilhite
(Signature of authorized official)

May 26, 1952
(Date)

(Title)

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—63792-1

Form MF-100
(May 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Form approved.
Budget Bureau No. 42-R1026.

GENERAL TECHNICAL DATA
FOR USE UNDER THE
DEFENSE PRODUCTION ACT OF 1950

NOT TO BE FILLED IN BY APPLICANT

Docket No. DMEA-2570

Date received 6-6-52

A. L. Wilhite (
and (Partnership
V.C. Hamilton (
Box 954 Phone 310W
Cortez
Colorado

Name and address of applicant

Date May 26, 1952

INSTRUCTIONS

This form is to be filed with Defense Minerals Administration, Department of the Interior, Washington 25, D. C. It should be accompanied by appropriate application form when a specific type of Government assistance is requested, in the form of (1) loan, (2) purchase contract, (3) Government guarantee of a private loan, (4) priorities or allocation of mining equipment, and maintenance, repair and operating supplies, and (5) other forms of Government assistance that might arise under the Act. Submit four (4) signed copies of the form and accompanying papers. Name and address should be stamped or typed on each sheet of this form and all accompanying papers. *When a question is inapplicable it should be so stated on the form.* Additional sheets may be attached in answering any questions or in supplying additional information. (IF YOU CANNOT ANSWER A QUESTION, SO STATE.) If a question is answered elsewhere indicate where answered. It is not necessary to answer it again.

GENERAL TECHNICAL DATA

Supply the following information on separate sheets, arranged, numbered, and lettered as indicated:

1. Materials produced:
   (*a*) What are the chief mine, mill, or smelter products?
   (*b*) What are the byproducts, if any?
2. Name(s) and type(s) of mine(s), mill(s), smelter(s), refinery(ies), pit(s), quarry (ies), drilling operation(s). Include old names of property, if any. Show extent of workings, including the following:
   (*a*) Linear feet of shafts.
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   (*c*) Linear feet of tunnels or adits.
   (*d*) Linear feet of other mine openings (explain briefly).

   Indicate whether mine is flooded or not. Describe any pumping problems. Give size or productive capacity.
3. For each operation listed above supply the following:
   (*a*) Distance and direction from nearest town and shipping point.
   (*b*) Mining district.
   (*c*) Township, Section, Range.
   (*d*) County, State.
4. (*a*) State whether or not property is now in operation, and if in operation, by whom operated.
   (*b*) Are you operating this property as:
   - ☐ Owner.
   - ☐ Lessee.
   - ☐ Contractor.
5. Number of years in production .....

   If not in production or operation, estimated date when production will begin .....
6. Experience of operators:
   Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who manage the project.
7. History:
   (*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for suspension of operation.
   (*b*) State briefly the known history and production of adjoining and neighboring properties.
   (*c*) Furnish any available (private) reports that may apply to this application, including results of mine examinations, recommended exploration and development, and metallurgical investigations.

8. Names and addresses of Officers, Directors, or Partners, and in addition thereto, the five largest stockholders if applicant is a corporation.

Name and Address (a)	Official Title (If officer is also director indicate by "D") (b)	Total of Annual Salary, Commissions, Bonuses, Etc., Received From Applicant and Affiliates During Last Fiscal Year (c)	Estimated Net Worth Outside of Interest in Applicant (d)	Number of Shares Held in Applicant Corporation		Life Insurance Carried for Benefit of Applicant	
				Common (e)	Preferred (f)	Amount (g)	Net Cash Surrender Value After Loans (h)
	Total		x x x x x			x x x x x	x x x x x

If more lines are needed continue on separate sheet.

9. Capital Stock Issues:

For Corporate Applicants

Item	Authorized (a)	Outstanding (b)	Par Value (c)	Number of Shares Outstanding (d)	Dividend Rate Last Paid* (e)
Common stock	$	$	$		
Preferred stock	$	$	$		

*Indicate period covered.

10. Production:

Item	Kind of Product (a)	1948 Total (b)	1949 Total (c)	1950 Total (d)	Present Average Monthly (e)
1. Quantity of product mined or quarried (Short, long, metric tons; barrels; pounds; etc.)					
2. Quantity of product processed (specify unit of measure and type of process)					
3. Quantity and grade of product sold or shipped (specify units of measure)					

11. Do you contemplate a change in the present average monthly rate of production? If so, state estimated maximum monthly production and basis of change.

12. Ore or Mineral Reserves:

(*a*) Describe the ore or mineral deposit briefly. Accompany the application by a available report on the geology and ore reserves.

- Answers to Questions - Form MP-100-

Mr. A. L. Wilhite
and
Mr. V. C. Hamilton
P. O. Box 954
Cortez
Colorado

Partnership

Phone 310W

(1)
a). Uranium and vanadium ore.

b). No by-products

(2). Wagon drilling on claims in the Spud Patch area and exploratory X-cuts in the Big Gyp Valley area. See maps attached to Application Form MP-103.

The only work done on any of the claims involved in the project has been dozer cuts and two 30 foot X-cuts at the rim on the Ring Cone claim in the Spud Patch area.

(3).
a). Crude ore would go to Monticello, Utah; distance from the claims in the Spud Patch is 43 miles. Distance from the claims in Big Gypsum Valley to Monticello is 65 miles.

b). Lower San Miguel Mining District.

c). The Jack Pot #1, the Jack Pot #2 and the Rose June claims are located in Sections 16 and 17, T44N, R17W, NMPM. The Betty Ruth and Ring Cone claims are located in Sections 21 and 28, T43N, R18W, NMPM.

d). San Miguel County, Colorado.

(4).
a). Not operating.

b). Owner.

(5). No production. Production contingent on exploration discoveries.

(6). The operation will be in charge of Mr. Wilhite, one of the owners.

During the past twenty years Mr. Wilhite has been active in uranium mining on the Colorado Plateau. His well-rounded mining experience has been acquired while serving as miner, foreman and in contract mining for himself. He has several years of coal mining experience having operated small coal mines for his own account. Over the years he has worked as a miner and boss for both the U. S. Vanadium Corporation and the Vanadium Corporation of America in this area. He is a citizen of Cortez, Colorado. He is married, has a family and makes his home there.

Mr. Hamilton is a partner in the mining venture and owns a one half interest in the claims. He likewise makes his home in Cortez, Colorado. Mr. Hamilton has a fleet of ore trucks and is active in the ore hauling business throughout the Colorado Plateau.

(7). Unpatented mining claims with no past operating periods.

(8). Partnership: Mr. A.L. Wilhite, Box 954, Cortez, Colorado
Mr. V.C. Hamilton, " " " "
Phone 310W

c). No income from the property.

d). Net worth of the applicants outside of the property on which the exploration loan has been requested is $125,000.00

- Answers to Questions - Form PP-100-

Mr. A. L. Silbiee
and
Mr. V. C. Hamilton
P. O. Box 954
Cortez
Colorado

Partnership

Phone 3108

(9). Inapplicable.

(10). No production.

(11). Inapplicable.

(12). No ore reserves.

(13). The distance from the two claims in the Spud Patch area to Monticello, Utah, is 43 miles over improved gravel, dirt or oiled surface roads. The distance from the three claims in the Big Gypsum Valley area to Monticello, Utah, is 65 miles over the same type of roads. Monticello is the nearest shipping point. The U. S. Atomic Energy Commission has a processing plant for uranium ores at Monticello. Monticello would also be the nearest point where supplies would be available.

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(15). Gasoline.

(16). 7 miners and 2 wagon drill operators required.
1-Superintendent and Engineer combined.
These are available.

(17). There are no buildings now on the property. None will be required. There is no equipment presently on the property. However, Operator has some mining equipment available for the project and will rent or purchase the balance. See (7) a), b) and c) of answers to questions Form PP-103, which is attached and accompanies this Form.

(18). There are no known conditions or circumstances affecting the operations which have not sufficiently been brought out by the foregoing questions.

(*b*) If deposit is other than placer:

(1) Submit assay plans and/or sections showing location and size of proved (measured) and probable (indicated) ore or mineral reserve.

(2) State the tonnage (indicate type of ton) and grade of each class of ore reserve, as above, and show how computed. Tabulated total ore reserve as follows:

TOTAL ORE OR MINERAL RESERVES

Ore or Mineral Reserve	Estimated Tons (a)	Metal or Mineral Content Per Ton (Grade) (b)	Gross Value Per Ton (c)	Recoverable Unit Value Per Ton (d)	Estimated Cost of Production Per Ton (e)
Measured (proved)					
Indicated (probable)					

(*c*) If placer:

(1) Give estimated total yardage and average marketable mineral content of each deposit.

(2) Submit map showing location of placer deposit and surrounding area, with all test holes or pits. Submit logs of each hole and test pit with depth and average value of each.

(3) Describe gravel, stating whether fine, medium or coarse; loose, tight, cemented, or frozen, and whether it contains stumps or boulders more than 1 foot in diameter; if so, how large, and in what proportion.

(4) Describe bedrock, giving type (granite, sandstone, shale, etc.) and state whether it is hard or soft, smooth, uneven or rough.

(5) Describe overburden, stating whether loose, tight, or cemented; fine or coarse textured; furnish estimate of average thickness and total amount.

(6) Tabulate the reserves using the form outlined above for ore or mineral reserves.

13. Access Roads:

Give road distances to shipping, supply and residence points, stating kind and condition of roads.

14. Water Supply:

State source and quantity of water available for operations and whether sufficient for all seasons of year.

15. Power:

State amount of power used, rate per hour, and source thereof.

16. Labor:

State number and classes (miners, muckers, millmen, etc.) of men employed during a recent representative payroll period.

17. Equipment and Facilities:

Describe present equipment on the property, including buildings. (State condition.) List major pieces of equipment now owned or controlled and in serviceable condition available for this operation.

18. Are there any particular conditions or circumstances affecting your operations that are not described above? If so, explain.

CERTIFICATION

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this form and accompanying papers is correct and complete to the best of their knowledge and belief.

A.L. Wilhite and V.C. Hamilton Partnership
(Name of company)

By A. L. Wilhite
(Signature of authorized official)

May 26, 1952
(Date)

(Title)

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—63792-1

EXPLORATION

Subject: DMEA-2570
Re: Exploration Loan
Rose June, Jack Pot #1 and #2, etc.
June 6, 1952

Mr. A. L. Wilhite
Cortez
Colorado

My dear Mr. Wilhite:

This will acknowledge receipt of your application dated May 26, 1952 for a loan under the Defense Production Act of 1950.

Your application was assigned Docket Number DMEA-2570 and referred to the Rare and Miscellaneous Metals Division.

Kindly refer to DMEA-2570 in any future correspondence relating to your application.

Sincerely yours,

ROBERT E. ADAMS

Robert E. Adams
Administrative Officer

7862

DMEA-3570

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

224 New Customhouse
Denver 2, Colorado

June 3, 1952

Memorandum

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

From: Field Team, Region IV

Subject: (Uranium) A. L. Wilhite and V. C. Hamilton, P. O. Box 954, Cortez, Colorado

Enclosed are three copies of the application of Wilhite and Hamilton in the amount of $33,881.

It is noted that the applicant proposes two projects 35 miles apart on one application and the advisability of this is questionable.

W. H. King
W. H. King

A. H. Koschmann
A. H. Koschmann

Enclosures

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUN 6 1952

DMEA-2570

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

224 New Customhouse
Denver 2, Colorado

June 3, 1952

Memorandum

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

From: Field Team, Region IV

Subject: (Uranium) A. L. Wilhite and V. C. Hamilton, P. O. Box 954, Cortez, Colorado

Enclosed are three copies of the application of Wilhite and Hamilton in the amount of $33,881.

It is noted that the applicant proposes two projects 35 miles apart on one application and the advisability of this is questionable.

W. H. King
W. H. King

A. H. Koschmann
A. H. Koschmann

Enclosures

Form MF-103
(Revised June 1951)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Budget Bureau No. 42-R1035.1.

MF-103 Should Be Filed With General Technical Data Form MF-100

APPLICATION FOR AID FOR AN EXPLORATION PROJECT PURSUANT TO MINERAL ORDER 5, UNDER DEFENSE PRODUCTION ACT OF 1950

Not To Be Filled in by Applicant

Docket No. DMEA-2570
Metal or Mineral
Date Received 6-6-52
Amount $
Participation (Government %)

Name and address of applicant

Mr. A. L. Wilhite (
and (Partnership
Mr. V. C. Hamilton (
P. O. Box 954
Cortez Phone 310W
Colorado

Date May 26, 1952

If you have already filed MF-100, give date filed May 26, 1952, type of assistance requested EXPLORATION LOAN

DMA Docket Number (if available)

INSTRUCTIONS

Read Mineral Order 5, Regulations Governing Government Aid in Defense Projects, before completing this application. Submit four copies each, of the signed application form, General Technical Data Form MF-100, and answers to questions as specified, to Defense Minerals Administration, Department of the Interior, Washington 25, D. C., or to the nearest field executive office thereof, with your name and address on each sheet of the application and all accompanying papers. If you have previously filed MF-100, it is not necessary to file it again. However, you should indicate in space provided above the type of assistance previously applied for (loans, procurement contracts, etc.) and DMA Docket Number, if available. *When a question is inapplicable it should be so stated in the form.* Additional sheets should be attached in answering any questions or in supplying additional information. IF YOU CANNOT ANSWER A QUESTION, SO STATE.

1. (*a*) Give a description of the real property that will be in any way involved in the exploration project, including any existing mine or operating property.

   (*b*) If you are not the owner of the property, submit a copy of the lease, purchase option, or other agreements under which you are authorized to operate the property with each copy of your application.

   (*c*) Give the legal description of the exact parcel, plot, or area upon which the exploration is to be conducted.

   NOTE: (1) If both areas are the same, so state. The only obligation to repay the Government is from the net earnings from any commercial discovery made in the area specified in (*c*) above in which the exploration is to be conducted, and the expenditure of funds which may be charged as costs of the project must be limited to that area or to work necessary to perform the exploration in that area.

   (2) If applicant is not the owner of the property or if there are any liens or encumbrances against the property, copy of agreements of claimants, lienors, encumbrances, and lessors subordinating their interests in the property to the interest of the Government under the Exploration Project Contract will be required for attachment to the Contract.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUN 6 1952

2. (*a*) What metals or minerals do you expect to find?

   (*b*) Furnish statement of the geologic features of your property, giving type of ore deposit and reasons for expecting to find commercial ore bodies. Illustrate with maps or sketches. If you have a geologic or engineering report, or assay maps showing width and grade, please send them with application, stating whether or not you wish to have them returned.

16—64067-2

- SEE ATTACHED SHEETS FOR ANSWER TO QUESTIONS -

The information requested in questions 3, 4, 5, 6, 7, 8, and 9 below should be answered specifically and in detail, as this information will be attached to and incorporated as part of the Exploration Project Contract, if such contract is entered into with you by the Government.

ANSWER EACH QUESTION ON SEPARATE SHEETS OF PAPER AND SUBMIT A COPY OF EACH ANSWER FOR EACH COPY OF YOUR APPLICATION.

3. (*a*) Describe fully the proposed work and give the total cost of the project.

   (*b*) State the time required to start the project and to complete it.

4. Submit a map or sketch of the property involved showing a plan (and cross section, if needed) of the present mine workings and the *location of the proposed exploration work* as related to geologic features, such as contacts, veins, ore-bearing beds, etc.

5. Furnish an itemized list of existing facilities, buildings, installations, and fixtures with a statement of the cost of any necessary rehabilitation or repairs to put into useful and operable condition.

6. Furnish a detailed list of additional facilities, buildings, and fixtures to be purchased, installed, or erected by you, with the estimated cost of each item.

7. Furnish a detailed list of operating equipment, separated into items to be—

   (*a*) Rented

   (*b*) Purchased

   (*c*) Furnished by you

   with the rental, purchase price, or depreciation of each item, as the case may be, to be charged as a cost of the project.

8. Furnish an itemized schedule of labor, by numbers and classes (miners, muckers, etc.) and of supervisors by numbers and positions, with the maximum wages or salaries to be paid to each.

9. Furnish a detailed list with estimated cost of each item for materials, supplies, engineering, assaying, accounting, power, water, utilities, and any other items not provided for above.

10. (*a*) How much are you prepared to invest in the proposed project?

    (*b*) Is this amount sufficient to pay your part of the cost of the project, in accordance with the regulations on Government participation (Sec. 9 of MO–5)?

11. State any conditions or circumstances regarding the property not sufficiently brought out by the foregoing questions.

CERTIFICATION

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this form and accompanying papers is correct and complete to the best of their knowledge and belief.

(Name of company)	By A L Wilhite (Signature of authorized official)
(Date)	(Title)

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—64067-2

- Answers to Questions - Form MF-100 -

Mr. A. L. Wilhite (
and (Partnership
Mr. V. C. Hamilton (
P. O. Box 954
Cortez Phone 310W
Colorado

(1)

a). Applicants are applying for a DMEA exploration loan to wagon drill two uranium claims located in San Miguel County, Colorado. These claims are located in the area known as the "Spud Patch" and are 43 miles distant from Monticello, Utah. Also desired as part of the project is an exploration loan to drive three exploratory X-cuts on a group of three uranium claims located on the north side of Big Gypsum Valley in San Miguel County, Colorado, distant 65 miles from Monticello, Utah. Both pieces of exploratory work to be considered as one project. The distance between the two projects, via Slick Rock, isapproximately 35 miles.

United States Vanadium Corporation and Vanadium Corporation of America own and have operated mines in the Spud Patch area. However, with the exception of one incline shaft now being sunk, all effort is being confined to their own drilling program.

In the Big Gypsum Valley, the U. S. Vanadium Corporation is mining several claims to the east of the Wilhite-Hamilton group. There are other neighboring mines operating in the area to the east.

Spud Patch Area:

The claims involved in the exploration project in the Spud Patch area are: BETTY RUTH and RING CONE. It is proposed to wagon drill these claims. Reference is made to the attached map marked Exhibit "B" on which is shown these claims and the location of the proposed holes.

Big Gypsum Valley Area:

The claims involved in the exploration project in the Big Gypsum Valley are shown on the attached map marked Exhibit "A" and are: ROSE JUNE, JACK POT#1 and JACK POT #2. It is proposed to drive three X-cuts, one of which will be on an incline of approximately 18 degrees. The location of the X-cuts is shown on the attached map marked Exhibit "A". Extending east and west throughout the entire length of the Rose June and Jack Pot #1 claims is a faulted block of the Morrison formation. Within the block there appears to be two mineralized zones 100 feet apart. The beds have been highly tilted and are now standing on a 55 degree dip to the south. It is the opinion of Leo J. Coady, Consulting Mining Engineer of Grand Junction, Colorado, who examined the property and prepared this application, that it is not feasible to core drill the claims. The physical structure of the terrain, overburden and large boulders would make core drilling difficult and expensive. Accordingly, the three X-cuts were proposed in lieu of drilling.

b). Applicant is the owner of all of the above claims thru right of location. All are unpatented uranium - vanadium mining claims. Mineralization is principally carnotite.

c). Legal description of the claims: (Gypsum Valley Area)

Jack Pot #1 Claim:- 300 feet on the north side and 300 feet on the south side of the center of the vein at the surface and 100 feet running east from the center of discovery cut and 1400 feet running west from center of discovery cut being situate upon said lode vein, ledge or deposit and within the lines of said claim in lower San Miguel Mining District, County of San Miguel, State of Colorado, described by metes and bounds as follows: to- wit:- Beginning at corner #1, thence 1500 feet west to corner #2, thence 600 feet north

- Answers to Questions - Form MF-103 -

Mr. A. L. Wilhite (
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to corner #3, thence 1500 feet east to corner #4, thence 600 feet south to corner #1, same being the point of beginning. Jack Pot #1 claim is located on the north side of Gypsum Valley on the west end of U.S.V. claim known as Bull Hill.

Jack Pot #2 Claim:- Same description as the Jack Pot #1 claim and located on the south side of Jack Pot #1 claim. See map marked Exhibit "A" attached.

Rose June claim:- Beginning at corner #1, which is identical with corner #2 of Jack Pot #1, thence southerly 600 feet to corner #2 which is identical with corner #3 of the Jack Pot #1, thence easterly 1500 feet to corner #3 which is identical with corner #1 of Fissure claim, thence northerly 600 feet to corner #4 which is identical with corner #4 of Fissure claim, thence easterly 1500 feet to corner #1, point of beginning.

Spud Patch Area:

Betty Ruth Claim:- Beginning at Southwest corner of Section 28, T43N, R 18 W, thence North 165 feet to corner #1, thence East 1500 feet to corner #2, thence South 600 feet to corner #3, thence West 1500 feet to corner #4, thence North 600 feet to corner #1, closing traverse.

Ring Cone Claim:- Beginning at the Southwest corner of Section 28, T43N, R18W, thence 165 feet North to corner #1, thence 600 feet North to corner #2, thence 1500 feet East to corner #3, thence 600 feet South to corner #4, thence 1500 feet West to corner #1, with all its appurtenances.

(2)

a). Applicant expects to discover uranium-vanadium ores. The Principal ore mineral will be carnotite.

b). In the Spud Patch area it is proposed to wagon drill the Betty Ruth and Ring Cone claims. Reference is made to the attached map, marked Exhibit "B" on which is indicated the claims and the location of the proposed drill holes. The surface of the area within the claims is gently rolling or level. In this area the clay bed has a habit of unexpectedly rolling down which in turn determines the depth of the holes. Therefore, the average depth of the holes has been estimated at 75 feet. The Salt Wash member of the Morrison formation, which is the mineralized bed, outcrops over the claims. On the attached map the rim outcrop of the base of the principal mineralized bed is shown as a dashed line. The top of the mesa is covered with a rather thick growth of scrub oak brush.

At the rim, where discovery was made on both claims, surface cuts have exposed float ore in loose over-burden. Not enough excavation has been done to expose the bed in place. Two short X-cuts driven higher in the mineralized bed are also shown on the attached map marked Exhibit "B". Some mineralization was encountered but it is believed the X-cuts are too high in the formation. However, it is quite possible that there are two zones of mineralization in the Salt Wash member of the formation at this point. The Spud Patch area has an excellent production record of better than average grade ore. If the claims are drilled it is the writer's opinion that important discoveries of uranium-vanadium ore will be made.

- Answers to Questions - Form MF-103 -

Mr. A. L. Wilhite (
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Colorado

In the Big Gypsum Valley area it is proposed to drive three exploration X-cuts to explore at three different points a faulted block of Morrison formation. As previously stated it is not believed feasible to core drill the ground. The formation in the faulted block dips at 55 degrees to the south and is covered deep with surface debris and boulders. Surface cuts and excavations show mineralization at several points along two zones some 100 feet apart. The ore mineral is carnotite.

(3)

a). Applicant is applying for an exploration loan to wagon drill two claims in the Spud Patch area and to drive three X-cuts at different points on the Rose June and Jack Pot #1 claims. See attached maps marked Exhibit "B" and "A" respectively. Both to be considered as one exploration project.

ESTIMATED COSTS OF THE SPUD PATCH PROJECT: (Based on: total feet 6900'. Drilling speed 100'/day. Time required 3 months. One wagon drill).

	PER MONTH	3 MONTH	
1- Wagon drill. Cost $9,000. use allowance 1/60 cost per month -	$ 150.00	$ 450.00	
1- D7 Cat Dozer, rental @ $100 dy. 12dy/mo	1200.00	3600.00	
1-Pickup truck, cost $1800. use allowance 1/60 cost per month -	30.00	90.00	
Drill operating expenses, drill bits, etc. gas & oil, repairs -	600.00	1800.00	
Moving rig in and out, incidental freight		600.00	$6540.00
Direct labor costs:			
1- drill operator @ $20/dy -	480.00	1440.00	
1- drill helper @ $16/dy	384.00	1152.00	2592.00
Overhead costs:			
1- Superintendent & Engineer (combined)	350.00	1050.00	
Assaying expenses - ($300/mo)	300.00	900.00	
Office accounting, payroll taxes ($400/mo)	200.00	600.00	2550.00
Total -			$11682.00
Cost per foot -			1.70

- Answers to Questions - Form MF-100-

Mr. A. L. Wilhite (
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Mr. V. C. Hamilton (
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Colorado

ESTIMATED COSTS OF THE BIG GYPSUM VALLEY PROJECT:

Unit project #2 and #3, (See Map). Total feet of X-cuts 650 feet. Advance 10 feet per day. Time required 3 months. One compressor serving both units.

	PER MONTH	3 MONTHS	
1- 210 cu. ft. Compressor, rental at -	$250.00	$ 750.00	
Gas, oil, repairs and services -	240.00	720.00	
1- Pickup truck, gas, oil & services -	96.00	288.00	
2-Jackhammers with jack legs, use allowance 1/60 cost/mo. -	20.00	60.00	
Rails(8#), fish plates, bolts & ties		300.00	
Air & water pipe (2" & 3/4") 1000' ea.		1000.00	
Powder, caps & fuse - $15/dy. adv. 10 ft./dy. -	360.00	1080.00	
2- wheelbarrows & supply mine tools		100.00	
1- Water truck & tank (2/3 rental @ $60/dy) -	960.00	2880.00	
Drill steel & bits -	240.00	720.00	$7898.00
Direct labor costs:			
4- miners @ $18/dy(includes bonus)	1728.00	5184.00	$5184.00
Overhead costs:			
1- Superintendent & Engineer (combined 2/3 of $350/mo -	234.00	702.00	
Accounting expenses 2/3 of $200/mo -	134.00	402.00	$1104.00
Cost per foot $21.80		Total -	$14186.00

Unit Project #1: (See map). Sink 250 feet incline X-cut at 18 degree slope. Advance 4 ft./dy. Time required 3 months.

1- 105 cu. ft. Compressor. Cost $4000. Use allowance 1/60 per month -	66.00	198.00	
1- Double drum hoist, slusher and cable Cost $3000. Use allow.@1/60/mo. -	50.00	150.00	
Gas, oil and repairs -	100.00	300.00	
1- Jack hammer and jack leg. Cost $600 Use allowance @1/60/mo. -	10.00	30.00	
Rails (8#), fish plates, bolts and ties -		175.00	
Air & water pipe (2"&3/4") 300' each -		300.00	
Powder, caps & fuse, $8/dy. - 4' adv. -	192.00	576.00	
Supply small mine tools -		50.00	
Drill steel & bits -	120.00	360.00	
Water truck & tank 1/3 rental	480.00	1440.00	$3579.00
Direct labor costs:			
2- Miners @ $18/dy. (includes bonus)	864.00	2592.00	
1- Hoistmand and operate slusher -	432.00	1296.00	3888.00
Overhead costs:			
1-Supt. and Engineer 1/3 cost $350/mo	116.00	348.00	
Accounting expenses @1/3 of $200/mo -	66.00	198.00	546.00
		Total -	$8013.00

Cost per foot $32.00

Total cost Spud Patch Project - - - $11,682.00
" " Big Gyp Valley Project - 22,199.00
" " of Project - - - - - - - - -$33,881.00

- Answers to Questions - Form MF-100-

Mr. A. L. Wilhite (
and (Partnership
Mr. V. C. Hamilton (
P. O. Box 954
Cortez Phone 310W
Colorado

For your information Applicant has just contacted several contract drillers in the area for bids on the wagon drilling. One Contractor bid $2.00 per foot and would furnish his own Dozer for building roads and preparing drill hole sites. It is believed this is a reasonable bid and close to estimated costs.

(3).
b). Time required to start work not more than 30 days from date the contract is signed.

Estimated time required to complete the project - three (3) months.

(4) See attached maps marked Exhibit "A" and "B".

(5) There are no existing buildings or facilities on the property and none will be required.

(6). None required.

(7).
a). It is planned to rent monthly the following equipment:

1- D7 Cat Dozer
1- Water truck and tank
1- 210 cu. ft. Compressor

Rental costs indicated in (3) a), above.

b). Operator is negotiating for and plans on purchasing one Wagon drill mounted on a truck. Cost will be $9000 and will be furnished by the operator at the "use allowance" rate of 1/60 of the cost per month. See (3) a) above. Mine rails, air pipe, water pipe and usable mine supplies purchased at a cost to the project.

c). Operator owns and has available for the job the following equipment:

3- Jack Hammers and Jack Legs
1- 105 cu. ft. Compressor
1- Pickup truck
3- Mine cars
1- Double Drum Hoist, slusher and cable.

Operator proposes to furnish this equipment to the project at the use allowance rate of 1/60 of the cost per month. See (3) a) above for the costs to the project.

(8) and (9).

See (3) a) above for itemized coststo the project.

(10).
a). Applicant is prepared to invest 10% of the total cost of the project or $3,388.10.

b). This amount is 10% of the total cost ($33,881.00) of the project and is sufficient to pay applicants part of the project.

(11).

There are no known conditions or circumstances not sufficiently brought out by the foregoing questions.

Form MF-100
(May 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Form approved.
Budget Bureau No. 42-R1026.

GENERAL TECHNICAL DATA
FOR USE UNDER THE
DEFENSE PRODUCTION ACT OF 1950

NOT TO BE FILLED IN BY APPLICANT

Docket No. DMEA-2510

Date received 6-6-52

A. L. Wilhite (
and (Partnership
V.C. Hamilton (
Box 954
Cortez Phone 310W
Colorado

Name and address of applicant

Date May 26, 1952

INSTRUCTIONS

This form is to be filed with Defense Minerals Administration, Department of the Interior, Washington 25, D. C. It should be accompanied by appropriate application form when a specific type of Government assistance is requested, in the form of (1) loan, (2) purchase contract, (3) Government guarantee of a private loan, (4) priorities or allocation of mining equipment, and maintenance, repair and operating supplies, and (5) other forms of Government assistance that might arise under the Act. Submit four (4) signed copies of the form and accompanying papers. Name and address should be stamped or typed on each sheet of this form and all accompanying papers. *When a question is inapplicable it should be so stated on the form.* Additional sheets may be attached in answering any questions or in supplying additional information. (IF YOU CANNOT ANSWER A QUESTION, SO STATE.) If a question is answered elsewhere indicate where answered. It is not necessary to answer it again.

GENERAL TECHNICAL DATA

Supply the following information on separate sheets, arranged, numbered, and lettered as indicated:

1. Materials produced:
   (*a*) What are the chief mine, mill, or smelter products?
   (*b*) What are the byproducts, if any?
2. Name(s) and type(s) of mine(s), mill(s), smelter(s), refinery(ies), pit(s), quarry (ies), drilling operation(s). Include old names of property, if any. Show extent of workings, including the following:
   (*a*) Linear feet of shafts.
   (*b*) Linear feet of drifts and crosscuts.
   (*c*) Linear feet of tunnels or adits.
   (*d*) Linear feet of other mine openings (explain briefly).

   Indicate whether mine is flooded or not. Describe any pumping problems. Give size or productive capacity.
3. For each operation listed above supply the following:
   (*a*) Distance and direction from nearest town and shipping point.
   (*b*) Mining district.
   (*c*) Township, Section, Range.
   (*d*) County, State.
4. (*a*) State whether or not property is now in operation, and if in operation, by whom operated.
   (*b*) Are you operating this property as:
   - ☐ Owner.
   - ☐ Lessee.
   - ☐ Contractor.
5. Number of years in production _____

   If not in production or operation, estimated date when production will begin _____
6. Experience of operators:
   Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who manage the project.
7. History:
   (*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for suspension of operation.
   (*b*) State briefly the known history and production of adjoining and neighboring properties.
   (*c*) Furnish any available (private) reports that may apply to this application, including results of mine examinations, recommended exploration and development, and metallurgical investigations.

8. Names and addresses of Officers, Directors, or Partners, and in addition thereto, the five largest stockholders if applicant is a corporation.

Name and Address (a)	Official Title (If officer is also director indicate by "D") (b)	Total of Annual Salary, Commissions, Bonuses, Etc., Received From Applicant and Affiliates During Last Fiscal Year (c)	Estimated Net Worth Outside of Interest in Applicant (d)	Number of Shares Held in Applicant Corporation		Life Insurance Carried for Benefit of Applicant	
				Common (e)	Preferred (f)	Amount (g)	Net Cash Surrender Value After Loans (h)
	Total		x x x x x			x x x x x	x x x x x

If more lines are needed continue on separate sheet.

9. Capital Stock Issues:

For Corporate Applicants

Item	Authorized (a)	Outstanding (b)	Par Value (c)	Number of Shares Outstanding (d)	Dividend Rate Last Paid* (e)
Common stock	$	$	$		
Preferred stock	$	$	$		

*Indicate period covered.

10. Production:

Item	Kind of Product (a)	1948 Total (b)	1949 Total (c)	1950 Total (d)	Present Average Monthly (e)
1. Quantity of product mined or quarried (Short, long, metric tons; barrels; pounds; etc.)					
2. Quantity of product processed (specify unit of measure and type of process)					
3. Quantity and grade of product sold or shipped (specify units of measure)					

11. Do you contemplate a change in the present average monthly rate of production? If so, state estimated maximum monthly production and basis of change.

12. Ore or Mineral Reserves:

(a) Describe the ore or mineral deposit briefly. Accompany the application by an available report on the geology and ore reserves.

- Answers to Questions - Form MF-100-

Mr. A. L. Wilhite (
and (Partnership
Mr. V. C. Hamilton (
P. O. Box 954
Cortez
Colorado Phone 310W

(1)

a). Uranium and vanadium ore.

b). No by-products

(2). Wagon drilling on claims in the Spud Patch area and exploratory X-cuts in the Big Gyp Valley area. See maps attached to Application Form MF-103.

The only work done on any of the claims involved in the project has been dozer cuts and two 30 foot X-cuts at the rim on the Ring Cone claim in the Spud Patch area.

(3).

a). Crude ore would go to Monticello, Utah; distance from the claims in the Spud Patch is 43 miles. Distance from the claims in Big Gypsum Valley to Monticello is 65 miles.

b). Lower San Miguel Mining District.

c). The Jack Pot #1, the Jack Pot #2 and the Rose June claims are located in Sections 16 and 17, T44N, R17W, NMPM. The Betty Ruth and Ring Cone claims are located in Sections 21 and 28, T43N, R18W, NMPM.

d). San Miguel County, Colorado.

(4).

a). Not operating.

b). Owner.

(5). No production. Production contingent on exploration discoveries.

(6). The operation will be in charge of Mr. Wilhite, one of the owners.

During the past twenty years Mr. Wilhite has been active in uranium mining on the Colorado Plateau. His well-rounded mining experience has been acquired while serving as miner, foreman and in contract mining for himself. He has several years of coal mining experience having operated small coal mines for his own account. Over the years he has worked as a miner and boss for both the U. S. Vanadium Corporation and the Vanadium Corporation of America in this area. He is a citizen of Cortez, Colorado. He is married, has a family and makes his home there.

Mr. Hamilton is a partner in the mining venture and owns a one half interest in the claims. He likewise makes his home in Cortez, Colorado. Mr. Hamilton has a fleet of ore trucks and is active in the ore hauling business throughout the Colorado Plateau.

(7). Unpatented mining claims with no past operating periods.

(8). Partnership: Mr. A.L. Wilhite, Box 954, Cortez, Colorado
Mr. V.C. Hamilton, " " " "
Phone 310W

c). No income from the property.

d). Net worth of the applicants outside of the property on which the exploration loan has been requested is $125,000.00

- Answers to Questions - Form MF-100-

Mr. A. L. Wilhite (
and (Partnership
Mr. V. C. Hamilton (
P. O. Box 954
Cortez Phone 310W
Colorado

(9). Inapplicable.

(10). No production.

(11). Inapplicable.

(12). No ore reserves.

(13). The distance from the two claims in the Spud Patch area to Monticello, Utah, is 43 miles over improved gravel, dirt or oiled surface roads. The distance from the three claims in the Big Gypsum Valley area to Monticello, Utah, is 65 miles over the same type of roads. Monticello is the nearest shipping point. The U. S. Atomic Energy Commission has a processing plant for uranium ores at Monticello. Monticello would also be the nearest point where supplies would be available.

(14). The claims in the Spud Patch area will be wagon drilled and no water is required. The ohly water necessary will be for camp purposes. Water for drilling and for camp purposes will be required for the exploration on the claimsin the Big Gypsum Valley area. There is no visible supply of water in Big Gypsum Valley for any purpose. Water for the above purposes will have to be hauled. It is planned to haul the water from a spring located not far from the Dry Valley store. The distance from the spring to the claims is 20 miles.

(15). Gasoline.

(16). 7 miners and 2 wagon drill operators required.
1-Superintendent and Engineer combined.
These are available.

(17). There are no buildings now on the property. None will be required. There is no equipment presently on the property. However, Operator has some mining equipment available for the project and will rent or purchase the balance. See (7) a), b) and c) of answers to questions Form MF-103, which is attached and accompanies this Form.

(18). There are no known conditions or circumstances affecting the operations which have not sufficiently been broughtout by the foregoing questions.

(*b*) If deposit is other than placer:

(1) Submit assay plans and/or sections showing location and size of proved (measured) and probable (indicated) ore or mineral reserve.

(2) State the tonnage (indicate type of ton) and grade of each class of ore reserve, as above, and show how computed. Tabulated total ore reserve as follows:

TOTAL ORE OR MINERAL RESERVES

Ore or Mineral Reserve	Estimated Tons (a)	Metal or Mineral Content Per Ton (Grade) (b)	Gross Value Per Ton (c)	Recoverable Unit Value Per Ton (d)	Estimated Cost of Production Per Ton (e)
Measured (proved)					
Indicated (probable)					

(*c*) If placer:

(1) Give estimated total yardage and average marketable mineral content of each deposit.

(2) Submit map showing location of placer deposit and surrounding area, with all test holes or pits. Submit logs of each hole and test pit with depth and average value of each.

(3) Describe gravel, stating whether fine, medium or coarse; loose, tight, cemented, or frozen, and whether it contains stumps or boulders more than 1 foot in diameter; if so, how large, and in what proportion.

(4) Describe bedrock, giving type (granite, sandstone, shale, etc.) and state whether it is hard or soft, smooth, uneven or rough.

(5) Describe overburden, stating whether loose, tight, or cemented; fine or coarse textured; furnish estimate of average thickness and total amount.

(6) Tabulate the reserves using the form outlined above for ore or mineral reserves.

13. Access Roads:

Give road distances to shipping, supply and residence points, stating kind and condition of roads.

14. Water Supply:

State source and quantity of water available for operations and whether sufficient for all seasons of year.

15. Power:

State amount of power used, rate per hour, and source thereof.

16. Labor:

State number and classes (miners, muckers, millmen, etc.) of men employed during a recent representative payroll period.

17. Equipment and Facilities:

Describe present equipment on the property, including buildings. (State condition.) List major pieces of equipment now owned or controlled and in serviceable condition available for this operation.

18. Are there any particular conditions or circumstances affecting your operations that are not described above? If so, explain.

CERTIFICATION

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this form and accompanying papers is correct and complete to the best of their knowledge and belief.

A.L. Wilhite and V.C. Hamilton (Partnership
(Name of company)

By A. L. Wilhite
(Signature of authorized official)

May 26, 1952
(Date)

(Title)

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—63792-1