STANDARD FORM NO. 64

Office Memorandum • UNITED STATES GOVERNMENT

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT 28 1953

MDA 4

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

DATE: October 23, 1953

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

SUBJECT: Final Field Team Report, DMEA Docket 3115, Verne W. Young, applicant, Denver, Colorado; parts of the Walter and Willie Claims, 0.5 miles N. of Woodruff Springs, T. 34 S., R. 12 E., unsurveyed, Garfield County, Utah

The final Field Team report on results of examination of the property identified above has been reviewed.

Comment

Uranium ore in small amounts associated with carbonized logs, and uranium-bearing claystone containing carbonized logs occur in the Morrison formation on this property. A few tons of ore have been mined, probably from other parts of the property than that on which exploration assistance was applied for.

As the result of examination the examining members of the Field Team believe that mineralized logs are too small and too widely separated to make suitable targets for exploration by core drilling, that exposed mineralized clay lenses are too thin to encourage exploration by drilling or drifting, and that there are no sedimentary features that would assist in defining targets for exploration. Denial of the application was recommended.

The docket was reviewed by a member of the exploration staff, Grand Junction Operations Office, Atomic Energy Commission, who concurred in the recommendation, and information concerning the area was obtained from the AEC.

Conclusion

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

Copies to: E. Wm. Ellis (2)

Arthur P. Butler, Jr.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT 28 1953

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

October 23, 1953

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

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The docket was reviewed by a member of the exploration staff, Grand Junction Operations Office, Atomic Energy Commission, who concurred in the recommendation, and information concerning the area was obtained from the AEC.

Conclusion

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

Copies to: E. Wm. Ellis (2)

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

October 15, 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: Report of Geologic Examination, DMEA Docket 3115, Verne W. Young, Walter and Willie claims, Garfield County, Utah.

I have reviewed the subject report and discussed it with Joseph O. Hosted, representative of the Atomic Energy Commission.

I concur with the Field Team in its denial of the application involved under the subject docket.

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

H. D. Keiser

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

224 New Customhouse
Denver 2, Colorado

September 29, 1953.

Mr. Verne W. Young
5525 Federal Boulevard
Denver, Colorado

Re: Docket DMEA-3115

Dear Mr. Young:

Reference is made to your application for Government aid on the Walter and Willie Claims.

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

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

Enclosed are the following which you asked to be returned:

1. Extension of lease
2. Lease and option on Walter-Walter #1 and Willies #4 and #5
3. Lease and option on Walters #3 and Willie #1
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11. Weight and assay certificate dated June 16, 1953
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Very truly yours,

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

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

Reviewed by
DMEA OPERATING COMMITTEE
10-9-53
(date)

Enclosures

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

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

224 New Customhouse
Denver 2, Colorado

September 29, 1953.

Memorandum

To: Administrator, Defense Minerals Exploration Administration
Attention: 200

From: Field Team, Region IV

Subject: Report of Geologic Examination - DMEA Docket 3115 (Uranium), Verne W. Young, Walter and Willie Claims, Garfield County, Utah.

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

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

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

Enclosures

Reviewed by
DMEA OPERATING COMMITTEE
10-9-53
(date)

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

September 22, 1953

Memorandum

To: DMEA Field Team, Region IV

From: A. H. Koschmann

Subject: DMEA Docket 3115, Verne W. Young, Walter and Willie claims, Garfield County, Utah

Enclosed are 11 copies of the geologic report by L. C. Huff and E. N. Hinricks of the U. S. Geological Survey covering the above docket.

It has been recommended that the loan be denied.

The brochure is enclosed.

A. H. Koschmann

A. H. Koschmann
Supervising Geologist
Colorado-Wyoming

Enclosures (11)

Reviewed by
DMEA OPERATING COMMITTEE
10-9-53
(date)

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

September 11, 1953

Memorandum

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

From: R. P. Fischer
Colorado Plateau Project

Subject: DMEA 3115, Verne W. Young, Walter and Willie claims, Garfield County, Utah

Transmitted herewith are 11 copies of a geologic report on the part of the Walter and Willie claims leased by Verne W. Young. These claims are in Garfield County, Utah. The applicant proposed to do 1,000 feet of core drilling, 300 feet of drifting, and 500 feet of road building and stripping. Total cost is estimated to be $21,716.00 plus allowances for the applicant's mining equipment.

The attached report is based on a field examination made in early September by L. C. Huff and E. N. Hinricks, Geological Survey geologists. Because of general knowledge of the uranium deposits in this area, and because of information obtained from AEC files and assay reports submitted by the applicant, the examination was made by Survey representatives only, on the possibility that the area would not justify exploration. This report recommends that the application be denied. I concur.

Although AEC personnel have made two reconnaissance examinations in the area of the Walter and Willie claims, one of which recommended additional study and the second recommended testing ore possibilities with wagon drilling, the Commission does not consider the area highly favorable and has no definite plans for work in the foreseeable future.

E. V. Reinhardt, AEC geologist, has reviewed the attached report, and he also concurs with the recommendation for denial. Reinhardt's judgment is based on a visit to the area in 1948 and knowledge of the file information.

R. P. Fischer

R. P. Fischer
Acting District Supervisor

Reviewed by
DMEA OPERATIONS COMMITTEE
10-9-53
(date)

Enclosures 11

UNITED STATES DEPARTMENT OF THE INTERIOR

DOUGLAS MCKAY, SECRETARY

DEFENSE MINERALS EXPLORATION ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM

REGION IV

DMEA 3115 (Uranium)

VERNE W. YOUNG, DENVER, COLORADO

By

L. C. Huff and E. N. Hinrichs
U. S. Geological Survey

September 5, 1953

Reviewed by
DMEA OPERATING COMMITTEE

10-9-53
(date)

DMEA DOCKET 3115 (Uranium)

VERNE W. YOUNG, DENVER, COLORADO

INTRODUCTION AND SUMMARY

Mr. Verne W. Young of Denver, Colo., has applied to the Defense Minerals Exploration Administration for a loan to explore for uranium on the Walter and Willie claims in the Henry Mountains mining district, Garfield County, Utah (Docket 3115). The application proposes 1,000 feet of core drilling, 300 feet of drifting, and 500 feet of road building and stripping to expose mineralized rock of the Salt Wash member of the Morrison formation. The total estimated cost is $21,716.00 plus whatever allowance is made for Mr. Young's mining equipment. Ninety percent of the total would be loaned by DMEA, and 10 percent would be furnished by Mr. Young.

This report is based on a one day examination of the property by members of the U. S. Geological Survey. A Union Mines Development Corporation map and sections of the Henry Mountains area, Little Rockies district (A. Mastrovich et al., 1944) covers the area and was available during the field examination. Also available was a review of the Docket by E. V. Reinhardt, AEC, containing reports or excerpts of reports on the property by Paul deVergie and R. C. Gerhard, both of AEC.

It is recommended that the application be denied because the ore bodies on these claims are judged to be too small and sparcely distributed or too lean for profitable mining. Much of the known ore

consists of mineralized logs which are targets too small for search by core drilling. Sedimentary trends of the mineralized rock in this area are indeterminate, so that exploration by drifting or stripping would have to be a random search of the mineralized stratigraphic zone.

LOCATION OF CLAIMS

The claims covered by DMEA Docket 3115 are located in unsurveyed T. 34 S., R. 12 E., Salt Lake Base and Meridian, about ½ mile north of Woodruff Springs, and about 47 miles south of Hanksville. Figure 1 is a sketch map of the claims based on examination of claim monuments and information given by Mr. Claude W. Simonds, part owner of the claim. The portion of the claims leased by Mr. Verne W. Young includes the south 40 feet of Walter 1 and Willie 4, and the north 260 feet of Walter and Willie 5. "Willie" on the lease corresponds to "Willey" on the claim notices. Also leased by Mr. Young are all of claims Walter 3 and Willie 1. The leased portion of these claims is shown on figure 1.

GEOLOGY

In the area near the Walter and Willie claims the following rocks, all of Jurassic age, are exposed: the Summerville formation of the San Rafael Group, and the Salt Wash and Brushy Basin members of the Morrison formation. These rocks dip about 3° N. 70° W. Bedrock above the lower part of the Brushy Basin member is covered by a gravel of igneous boulders (fig. 2).

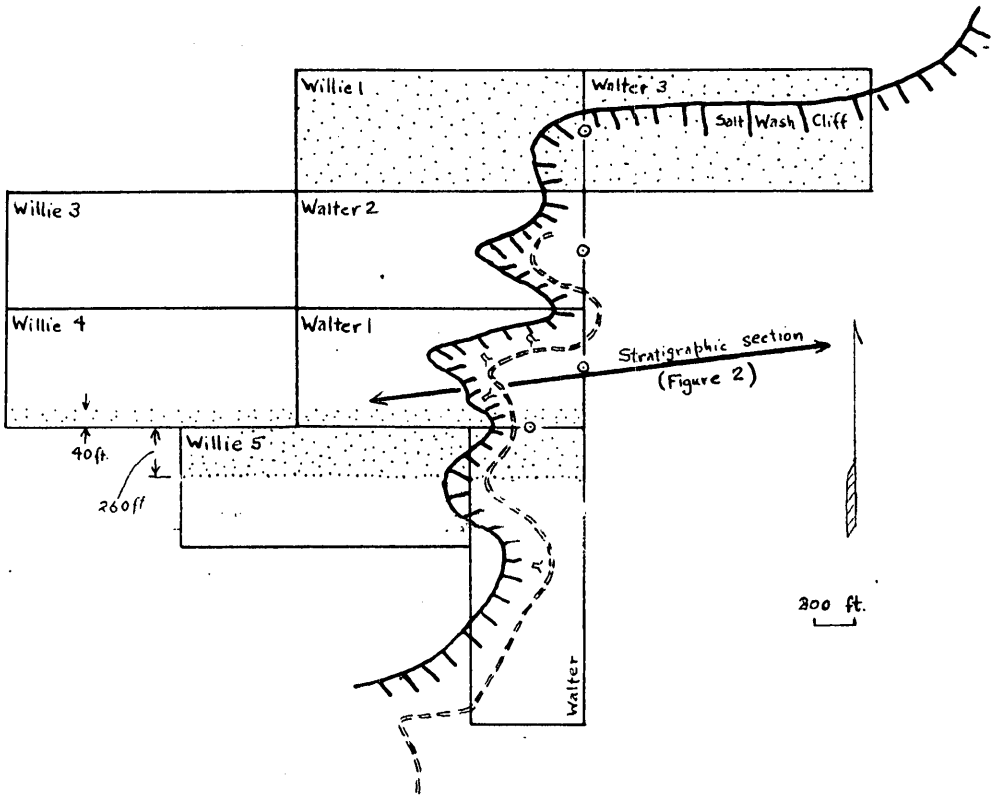

Figure 1.- Sketch of the Walter and Willie claims showing claim monuments found (⊙) and area covered by Verne W. Young lease (dotted).

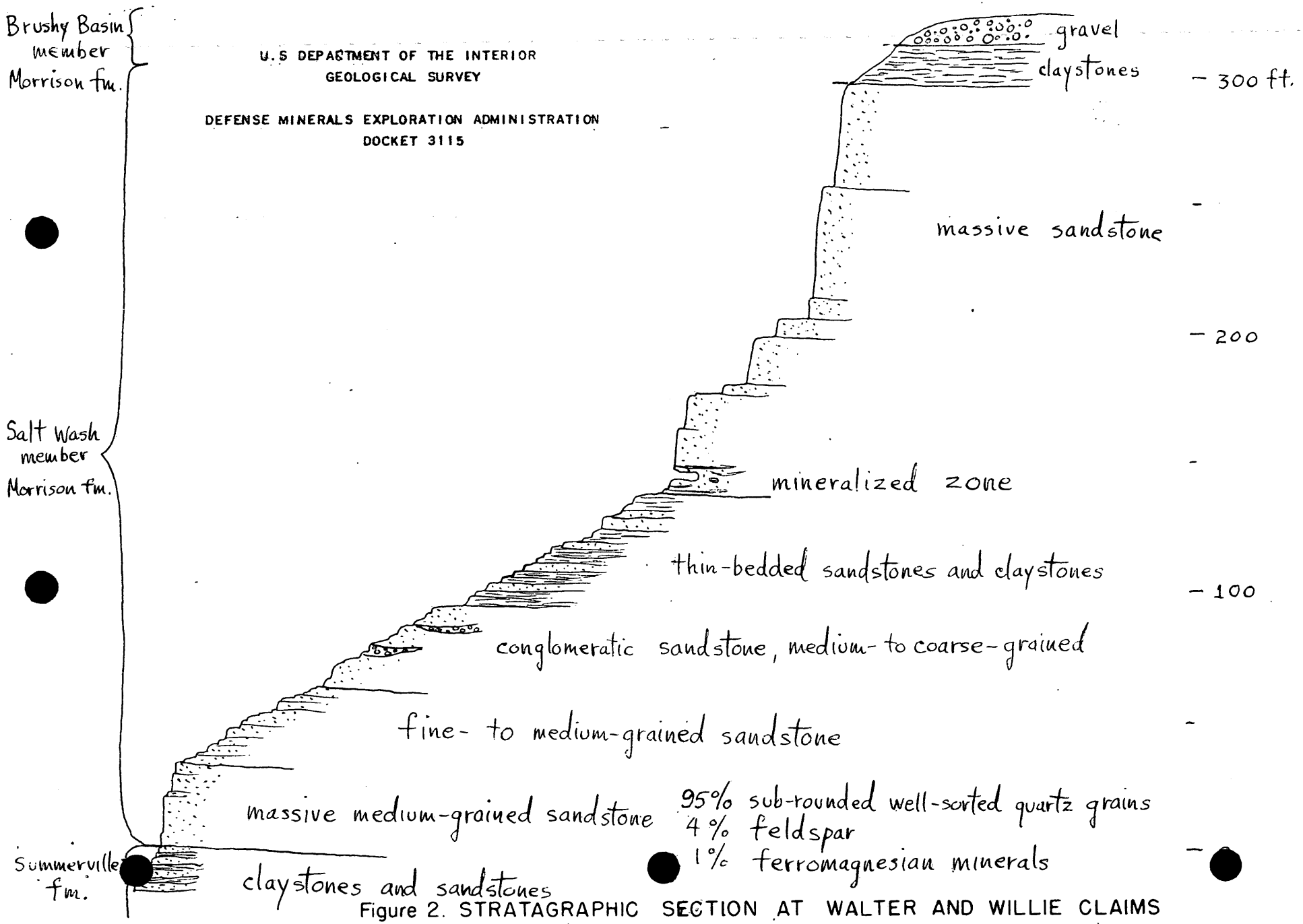

Figure 2. STRATAGRAPHIC SECTION AT WALTER AND WILLIE CLAIMS

The Summerville formation consists chiefly of thin-bedded reddish-brown claystones and siltstones. The top 20 feet near the claims is composed of yellowish-gray thin-bedded siltstone and fine-grained sandstone.

The Salt Wash member of the Morrison formation is about 300 feet thick. It is composed predominantly of calcareous sandstones plus a minor amount of claystones. The lower half consists of mostly claystone and is thin-bedded. The upper half is massive cliff-forming sandstones with thin claystone intercalations. The zone of mineralized rock is 15 to 20 feet thick and lies at the base of the cliff-forming sandstones, about midway in the Salt Wash member.

ORE DEPOSITS

On the Walter and Walter 1 claims the ore-bearing zone is well exposed in the bulldozer road cut and in four short prospect adits along the cut (fig. 1). The ore consists in part of carbonized fossil logs and in part of mineralized claystone lenses containing carbonized plant fragments. The radioactivity of the ore and of the surrounding rocks was measured with a scintillometer (PRI Model 111). The background count about a mile away from the claims is .008 Mr/hr. On the claims the background count averages .02 Mr/hr.

The mineralized logs observed are somewhat flattened; they range from 6 to 18 inches in width and from 3 to 10 inches in thickness. The maximum exposed length of a log is 4 feet. The bearings of seven logs were measured without discovering any predominant trend. The logs are composed partly of silicified and partly of carbonized wood. One has a central core containing pyrite. Fractures in the logs are filled

with brown iron oxide (limonite?), calcite, gypsum, and, rarely, a yellow powdery mineral (carnotite?). A log exposed in a short tunnel on the Walter 1 claim containing the carnotite (?) gives a scintillometer reading of 2.0 Mr/hr. Seven logs were observed in the portion of the Walter and Walter 1 claims covered by the Young lease. None of these seven contains carnotite (?) nor give readings higher than 1.2 Mr/hr. Three give readings of less than 0.1 Mr/hr. A few of the irregular claystone lenses with carbonized plant fragments also contain thin coatings of the yellow powdery mineral (carnotite?) and are abnormally radioactive. One such claystone lens on the Walter claim and within the Verne lease is 8 inches thick and is exposed for about 30 feet. This lens gives a reading of 0.5 Mr/hr.

The other rocks exposed on the Walter and Walter 1 claims include crossbedded white sandstone giving readings averaging .02 Mr/hr, brown, iron-stained sandstone giving readings averaging .03 Mr/hr, and iron-stained sandstone with scattered plant fragments giving readings averaging 0.2 Mr/hr. On the Walter 1 claim a dark band of sandstone about 6 inches wide and 20 feet long crosses the bedding and cross-bedding of the sandstone much like the typical "rolls" of the Morrison ore deposits. This dark band appears to be a local cementing of the sandstone with a black mineral (vanadium?). The dark band gives a reading of about .07 Mr/hr. No dark bands were noted in the area covered by the Young lease.

Talus covers most of the mineralized zone on Willie 1 and Walter 3 claims. A few fossil logs of slight radioactivity observed on these claims indicate that the mineralization is similar to that of the other part of the lease.

Available assays of ore from the Walter claims are listed in table 1. This table includes both assays of samples and assays of ore shipments of truck load lots. These shipments are believed to have come from the short prospect adits outside of the area covered by the Verne lease.

TABLE 1.

ASSAYS OF ORE FROM WALTER CLAIMS

Description	Date	Assayer	U_3O_8(percent)	V_2O_5(percent)	$CaCO_3$(percent)
1-ft. channel sample, Walter 1-4.	10/20/51	AEC	0.29	-	-
2-ft. " "	"	"	0.05	-	-
1-ft. " "	"	"	0.26	0.58	-
1.5-ft." "	"	"	0.29	-	-
Shipment sample (2.03 short tons) Walter group	4/21/53	Climax U. Co.	0.12	0.13	25.22
Shipment sample (1.77 short tons) Walter	5/25/53	U. S. V.	0.15	0.20	-
Shipment sample (amount not known)	5/26/53	U. S. V.	0.19	0.07	16.3
Grab sample Walter 1	5/27/53	Smith's, Moab	0.212	0.11	22.30
" "	"	" "	0.208	0.07	35.65
Shipment sample Walter 1	6/23/53	A. S. & R.	0.24	0.62	11.8

The relatively low U_3O_8 content of these assays (0.05 to 0.29 percent), the low vanadium content, and the relatively high carbonate content do not encourage exploration.

Producing mines in the district include the Woodruff group, the Del Monte group, and the Ekker claims in Shootering Canyon. The Woodruff group of claims is about 3/4 miles south of the Walter and Willie claims and the others are still farther south. Production from the district has been small although it has been increasing, and additional study of the district might assist development.

CONCLUSIONS AND RECOMMENDATIONS

Mineralized rock exposed on the leased portion of the Walter and Walter 1 claims consists of several silicified logs and a clay lens, 8 inches thick, in the Salt Wash member pf the Morrison formation. Mineralized rock on the Willie 1 and Walter 3 claims is largely obscured by talus but is probably similar. More mineralized rock is exposed on the unleased than on the leased portions of these claims.

The mineralized logs are too small and too widely separated to make suitable targets for core drilling. The mineralized clay lens exposed in the lease area is too thin to encourage exploration either by drilling or drifting. Other than the fact that the mineralized rock is confined to one zone no sedimentary features have been observed which might serve as guides in exploration. For these reasons it is believed that an expenditure of $21,716 to explore the leased area is not justified and it is recommended that the application be denied.

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

224 New Customhouse
Denver 2, Colorado

September 29, 1953.

Memorandum

To: Administrator, Defense Minerals Exploration Administration
Attention: 200

From: Field Team, Region IV

Subject: Report of Geologic Examination - DMEA Docket 3115 (Uranium), Verne W. Young, Walter and Willie Claims, Garfield County, Utah.

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

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

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

Enclosures

DENIED

September 29, 1953

224 New Customhouse
Denver 2, Colorado

Mr. Verne W. Young
5525 Federal Boulevard
Denver, Colorado

Dear Mr. Young:

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

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W. H. King
Field Team Region IV

A. H. Koschmann
Field Team, Region IV

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

September 22, 1953

Memorandum

To: DMEA Field Team, Region IV

From: A. H. Koschmann

Subject: DMEA Docket 3115, Verne W. Young, Walter and Willie claims, Garfield County, Utah

Enclosed are 11 copies of the geologic report by L. C. Huff and E. N. Hinrichs of the U. S. Geological Survey covering the above docket.

It has been recommended that the loan be denied.

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

Enclosures (11)

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

September 11, 1953

Memorandum

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

From: R. P. Fischer
Colorado Plateau Project

Subject: DMEA 3115, Verne W. Young, Walter and Willie claims, Garfield County, Utah

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The attached report is based on a field examination made in early September by L. C. Huff and E. N. Hinricks, Geological Survey geologists. Because of general knowledge of the uranium deposits in this area, and because of information obtained from AEC files and assay reports submitted by the applicant, the examination was made by Survey representatives only, on the possibility that the area would not justify exploration. This report recommends that the application be denied. I concur.

Although AEC personnel have made two reconnaissance examinations in the area of the Walter and Willie claims, one of which recommended additional study and the second recommended testing ore possibilities with wagon drilling, the Commission does not consider the area highly favorable and has no definite plans for work in the foreseeable future.

E. V. Reinhardt, AEC geologist, has reviewed the attached report, and he also concurs with the recommendation for denial. Reinhardt's judgment is based on a visit to the area in 1948 and knowledge of the file information.

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R. P. Fischer
Acting District Supervisor

Enclosures 11

UNITED STATES DEPARTMENT OF THE INTERIOR

DOUGLAS MCKAY, SECRETARY

DEFENSE MINERALS EXPLORATION ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM

REGION IV

DMEA 3115 (Uranium)

VERNE W. YOUNG, DENVER, COLORADO

By

L. C. Huff and E. N. Hinrichs
U. S. Geological Survey

September 5, 1953

DMEA DOCKET 3115 (Uranium)

VERNE W. YOUNG, DENVER, COLORADO

INTRODUCTION AND SUMMARY

Mr. Verne W. Young of Denver, Colo., has applied to the Defense Minerals Exploration Administration for a loan to explore for uranium on the Walter and Willie claims in the Henry Mountains mining district, Garfield County, Utah (Docket 3115). The application proposes 1,000 feet of core drilling, 300 feet of drifting, and 500 feet of road building and stripping to expose mineralized rock of the Salt Wash member of the Morrison formation. The total estimated cost is $21,716.00 plus whatever allowance is made for Mr. Young's mining equipment. Ninety percent of the total would be loaned by DMEA, and 10 percent would be furnished by Mr. Young.

This report is based on a one day examination of the property by members of the U. S. Geological Survey. A Union Mines Development Corporation map and sections of the Henry Mountains area, Little Rockies district (A. Mastrovich et al., 1944) covers the area and was available during the field examination. Also available was a review of the Docket by E. V. Reinhardt, AEC, containing reports or excerpts of reports on the property by Paul deVergie and R. C. Gerhard, both of AEC.

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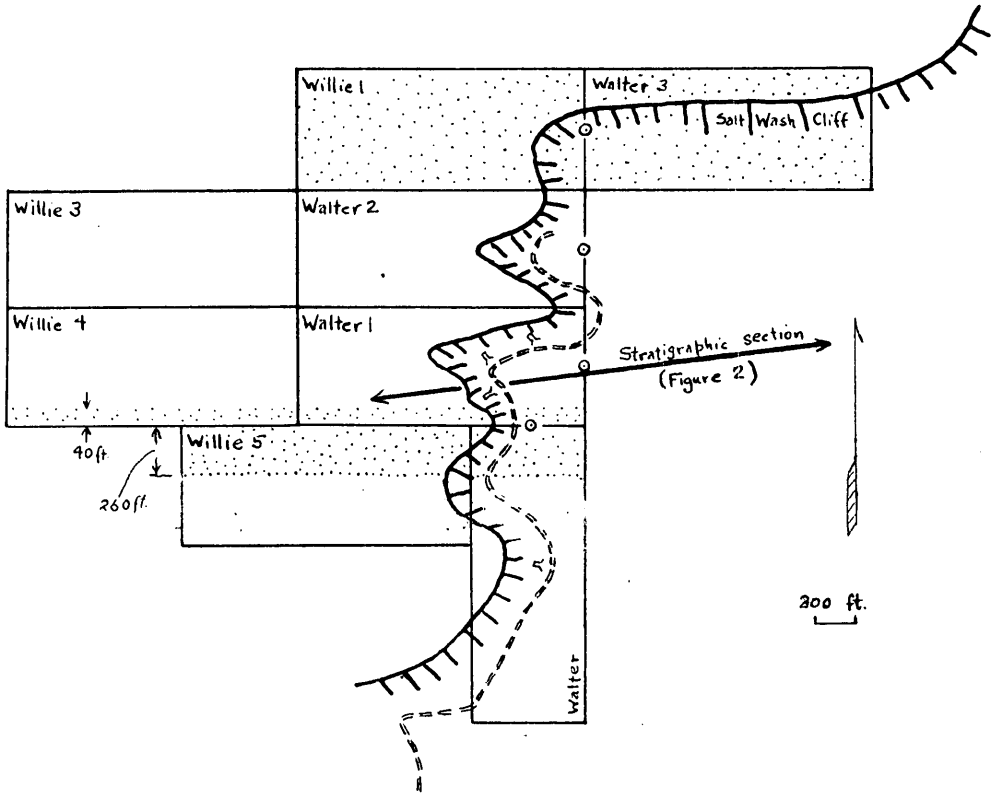

Figure 1.- Sketch of the Walter and Willie claims showing claim monuments found (⊙) and area covered by Verne W. Young lease (dotted).

U.S DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

DEFENSE MINERALS EXPLORATION ADMINISTRATION
DOCKET 3115

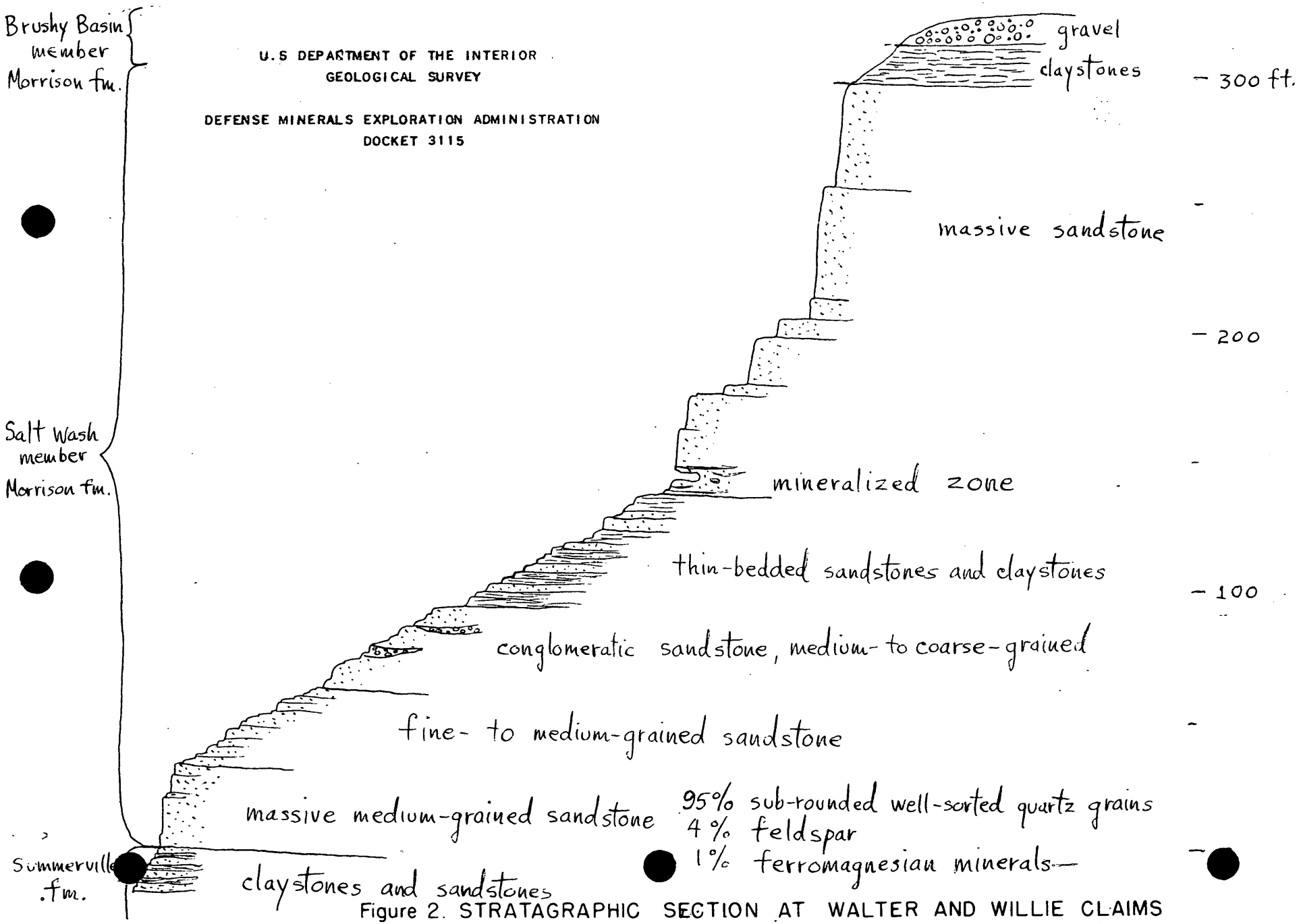

Figure 2. STRATAGRAPHIC SECTION AT WALTER AND WILLIE CLAIMS

The Summerville formation consists chiefly of thin-bedded reddish-brown claystones and siltstones. The top 20 feet near the claims is composed of yellowish-gray thin-bedded siltstone and fine-grained sandstone.

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ORE DEPOSITS

On the Walter and Walter 1 claims the ore-bearing zone is well exposed in the bulldozer road cut and in four short prospect adits along the cut (fig. 1). The ore consists in part of carbonized fossil logs and in part of mineralized claystone lenses containing carbonized plant fragments. The radioactivity of the ore and of the surrounding rocks was measured with a scintillometer (PRI Model 111). The background count about a mile away from the claims is .008 Mr/hr. On the claims the background count averages .02 Mr/hr.

The mineralized logs observed are somewhat flattened; they range from 6 to 18 inches in width and from 3 to 10 inches in thickness. The maximum exposed length of a log is 4 feet. The bearings of seven logs were measured without discovering any predominant trend. The logs are composed partly of silicified and partly of carbonized wood. One has a central core containing pyrite. Fractures in the logs are filled

with brown iron oxide (limonite?), calcite, gypsum, and, rarely, a yellow powdery mineral (carnotite?). A log exposed in a short tunnel on the Walter 1 claim containing the carnotite (?) gives a scintillometer reading of 2.0 Mr/hr. Seven logs were observed in the portion of the Walter and Walter 1 claims covered by the Young lease. None of these seven contains carnotite (?) nor give readings higher than 1.2 Mr/hr. Three give readings of less than 0.1 Mr/hr. A few of the irregular claystone lenses with carbonized plant fragments also contain thin coatings of the yellow powdery mineral (carnotite?) and are abnormally radioactive. One such claystone lens on the Walter claim and within the Verne lease is 8 inches thick and is exposed for about 30 feet. This lens gives a reading of 0.5 Mr/hr.

The other rocks exposed on the Walter and Walter 1 claims include crossbedded white sandstone giving readings averaging .02 Mr/hr, brown, iron-stained sandstone giving readings averaging .03 Mr/hr, and iron-stained sandstone with scattered plant fragments giving readings averaging 0.2 Mr/hr. On the Walter 1 claim a dark band of sandstone about 6 inches wide and 20 feet long crosses the bedding and cross-bedding of the sandstone much like the typical "rolls" of the Morrison ore deposits. This dark band appears to be a local cementing of the sandstone with a black mineral (vanadium?). The dark band gives a reading of about .07 Mr/hr. No dark bands were noted in the area covered by the Young lease.

Talus covers most of the mineralized zone on Willie 1 and Walter 3 claims. A few fossil logs of slight radioactivity observed on these claims indicate that the mineralization is similar to that of the other part of the lease.

Available assays of ore from the Walter claims are listed in table 1. This table includes both assays of samples and assays of ore shipments of truck load lots. These shipments are believed to have come from the short prospect adits outside of the area covered by the Verne lease.

TABLE 1.

ASSAYS OF ORE FROM WALTER CLAIMS

Description	Date	Assayer	U_3O_8(percent)	V_2O_5(percent)	$CaCO_3$(percent)
1-ft. channel sample, Walter 1-4.	10/20/51	AEC	0.29	-	-
2-ft. " "	"	"	0.05	-	-
1-ft. " "	"	"	0.26	0.58	-
1.5-ft." "	"	"	0.29	-	-
Shipment sample (2.03 short tons) Walter group	4/21/53	Climax U. Co.	0.12	0.13	25.22
Shipment sample (1.77 short tons) Walter	5/25/53	U. S. V.	0.15	0.20	-
Shipment sample (amount not known)	5/26/53	U. S. V.	0.19	0.07	16.3
Grab sample Walter 1	5/27/53	Smith's, Moab	0.212	0.11	22.30
" "	"	" "	0.208	0.07	35.65
Shipment sample Walter 1	6/23/53	A. S. & R.	0.24	0.62	11.8

The relatively low U_3O_8 content of these assays (0.05 to 0.29 percent), the low vanadium content, and the relatively high carbonate content do not encourage exploration.

Producing mines in the district include the Woodruff group, the Del Monte group, and the Ekker claims in Shootering Canyon. The Woodruff group of claims is about 3/4 miles south of the Walter and Willie claims and the others are still farther south. Production from the district has been small although it has been increasing, and additional study of the district might assist development.

CONCLUSIONS AND RECOMMENDATIONS

Mineralized rock exposed on the leased portion of the Walter and Walter 1 claims consists of several silicified logs and a clay lens, 8 inches thick, in the Salt Wash member pf the Morrison formation. Mineralized rock on the Willie 1 and Walter 3 claims is largely obscured by talus but is probably similar. More mineralized rock is exposed on the unleased than on the leased portions of these claims.

The mineralized logs are too small and too widely separated to make suitable targets for core drilling. The mineralized clay lens exposed in the lease area is too thin to encourage exploration either by drilling or drifting. Other than the fact that the mineralized rock is confined to one zone no sedimentary features have been observed which might serve as guides in exploration. For these reasons it is believed that an expenditure of $21,716 to explore the leased area is not justified and it is recommended that the application be denied.

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUL 6 1953

224 New Customhouse
Denver 2, Colorado

July 3, 1953.

Memorandum

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

From: Executive Officer, DMEA Field Team, Region IV

Subject: Docketing for Exploration Assistance

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

Mining Ventures, Inc. (Tungsten)
303 Bon Durant Bldg.
Pueblo, Colorado

Verne W. Young (Uranium)
5525 Federal Blvd.
Denver, Colorado

W. H. King
W. H. King

Enclosures

UNITED STATES
DEPARTMENT OF THE INTERIOR
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MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUL 6 1953

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

Not to be filled in by applicant

Docket No. DMEA-3115
Metal or Mineral
Date Received 7/6/53
Estimated Cost
Participation (Government %)

INSTRUCTIONS

1. *Name of applicant.*—(*a*) State here your full legal name, in the form in which you will wish to contract, and your mailing address: Verne W. Young
5525 Federal
Denver Colo.

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

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

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

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

3. *Applicant's property rights.*—(*a*) State the legal description of the land upon which you wish to explore, including all land which you possess or control that may be benefited by the exploration, and excluding any land or interest in land which is not to be included in the exploration project contract Walter-Walter I Walter 3-Willie I, Willie 4, Willie 5. Located in Garfield Co. Utah-Henry Mt. Mining District-40 mi Southof Hanksville-At Woodruff Springs

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

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

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

(*e*) If you own the land, describe any liens or encumbrances on it

(*f*) If the land consists of unpatented claims, add to the description above, the book and page numbers for each recorded location notice. Book 17 Page 258 Willies Claims & Walters Claims Garfield Co Utah-Henry Mt. District.

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

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

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

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

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

1080

5. *The exploration project.*—(*a*) State the mineral or minerals for which you wish to explore U3O8 - V2O5 -

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

(*c*) The work will start within 10 days and be completed within 16 months from the date of an exploration project contract.

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

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

(*a*) *Independent contracts.*—(Note.—If the applicant does ~~not intend to~~ let any of the work to contractors, write "none" after this item. To the extent that the work is to be contracted, do not repeat the cost of the contract-work in subsequent items.) State the cost of any proposed independent contracts for the performance of all or any part of the work, expressed in terms of units of work (such as per foot of drilling, per foot of drifting, per hour of bulldozer operations, per cubic yard of material moved, etc.).

(*b*) *Labor, supervision, consultants.*—Include an itemized schedule of numbers, classes and rates of wages, salaries or fees for necessary labor, supervision and engineering and geological consultants.

(*c*) *Operating materials and supplies.*—Furnish an itemized list, including items of equipment costing less than $50 each, and power, water and fuel.

(*d*) *Operating equipment.*—Furnish an itemized list of any operating equipment to be rented, purchased, or which is owned and will be furnished by the Operator, with the estimated rental, purchase price, or suggested use-allowance based on present value, as the case may be.

(*e*) *Rehabilitation and repairs.*—Furnish a detailed list showing the cost of any necessary initial rehabilitation or repairs of existing buildings, installations, fixtures, and movable operating equipment, now owned by the Operator and which will be devoted to the exploration project.

(*f*) *New buildings, improvements, installations.*—Furnish a detailed list showing the cost of any necessary buildings, fixed improvements, or installations to be purchased, installed or constructed for the benefit of the exploration project.

(*g*) *Miscellaneous.*—Furnish a detailed list showing the cost of repairs to and maintenance of operating equipment (not including initial rehabilitation or repairs of the Operator's equipment), analytical work, accounting, workmen's compensation and employers' liability insurance, and payroll taxes.

(*h*) *Contingencies.*—Give an estimate of any necessary allowances for contingencies not included in the costs stated above.

NOTE.—No items of general overhead, corporate management, interest, taxes (other than payroll and sales taxes), or any other indirect costs, or work performed or costs incurred before the date of the contract, should be included in the estimate of costs.

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

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

☑ Money ☑ Use of equipment owned by you ☐ Other

Explain in detail on acompanying paper.

CERTIFICATION

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

Dated _____, 195__

Verne W. Young
(Applicant)

By (Lessee)

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

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

4. Physical description
(a &b) Road built at expense of about $1000. Easily accessible.
No work is being carried on at present time.
C. W. Simonds, owner, packed out 46701bs. of ore before Dec.15,1952.
Shipped to Climax Uranium Co. of Grand Junction. This ore was taken
from face of group of claims and assay showed. U3 08 .13% High lime .
Settlement sheet enclosed.
On Walter claim C. W. Simonds drove tunnel 6'x8' x 15' . 3740 lb. of
ore shipped U308 .20% 7.08 lime. Settlement sheet enclosed.
On Walter #1 Verne Young (applicant) took 11,860 lb. ore. U308 .24% .
Shipped to Colo. Plateau Uranium Ore Projects A. S. &R. Co. Monticello,
Utah. Settlement sheet enclosed.
Two face samples taken on Walter #1 . U308 .212% and .208%. Assay from
Smith Laboratory enclosed.
Samples were taken by A. E. C. field man Chas. Gerhard about May 15.
His letter to owner enclosed. No. 27887 is from Walter #1. Mr. Gerhard
told owner Claude Simonds that his scintillation counter showed a large
body of ore in the vicinity of Walter#3. His reports on these claims
are probably available at A. E. C. office at Grand Junction.

(c) Morrison formation with trees and veins. I wish to explore as I have
been unabe to locate any large body of ore . May be off contact. Indications
being as they are I feel that an exploration project would enabe me to
block out sufficient ore to make it commercially sound for me to mine
these claims. (Map on seperate sheet)
(d) Access road is in good condition , but must be lengthened. Distance
to mill is Monticello, Utah 130 mi. if we continue to mine high lime.
A lower lime content may be shipped to Tompson, Utah a distance if about
120 mi. I understand that a buying station is to be established at Green
River Utah which would be about 100 mi. The ore would be shipped directly
from claim by truck.
The nearest supply center is Hanksville, Utah, a distance of 40. mi.
I would reside at site of mine, as world all employed help.
(e) Man power is available , water plentiful, no power available.

5. (b) Map on seperate sheet.
(d) applicant has had varied experience in heavy construction, dump
trucking and service station business. Owner has prospected and mined
during his entire life time. Applicant is graduate of East Denver High School
Two years college at North Western Teacher's College, Alva Okla.
Applicant will supervise.

6.
(a) Tunnel work to be contracted by Howard Staker of Hunting, Utah. He has
had four continuous years of experience in uranium mining, has an engineer-
ing degree, and owns good euqipment. He was lately enployed as supt. of
operations at the Lucky Strike Mine on the San Rafael Reef S. W. of Green
River. Cat work will be done by Lava Brown, Hanksville Utah, Drilling
by Majoors Drilling Co. of Salt Lake City, Utah.

Strip face and build some road. 24 days @ $64	$1536
300 ft. tunnel@$15	4500
1000ft core drilling @ $5.00	5000

(b) Contractors hire own men.

robably no consulting engineer other that Howard Staker would be necessary. f I find that I need other consulting engineers I should ask the A. E. C. o send me one or recommend one.

(e) To be furnished by contractors.

(d) Babble Geiger Counter	$430	
Pick up truck	2100	Owned by applicant
Dump Truck	5000	Owned by applicant
Four wheel drive Dodge	1000	Owned by Applicant

(f) Living quarters as bunk houses cook house etc. $1000

(g) Analytical work.	500	
accounting $200 per mo.	3200	Probably too high as I could do some of the book work
(h) Furnishings for camp	500	
Wages for supervision $20 per. day	5000	This would also include wife cooking and cleaning camp buildings.

Summary of costs

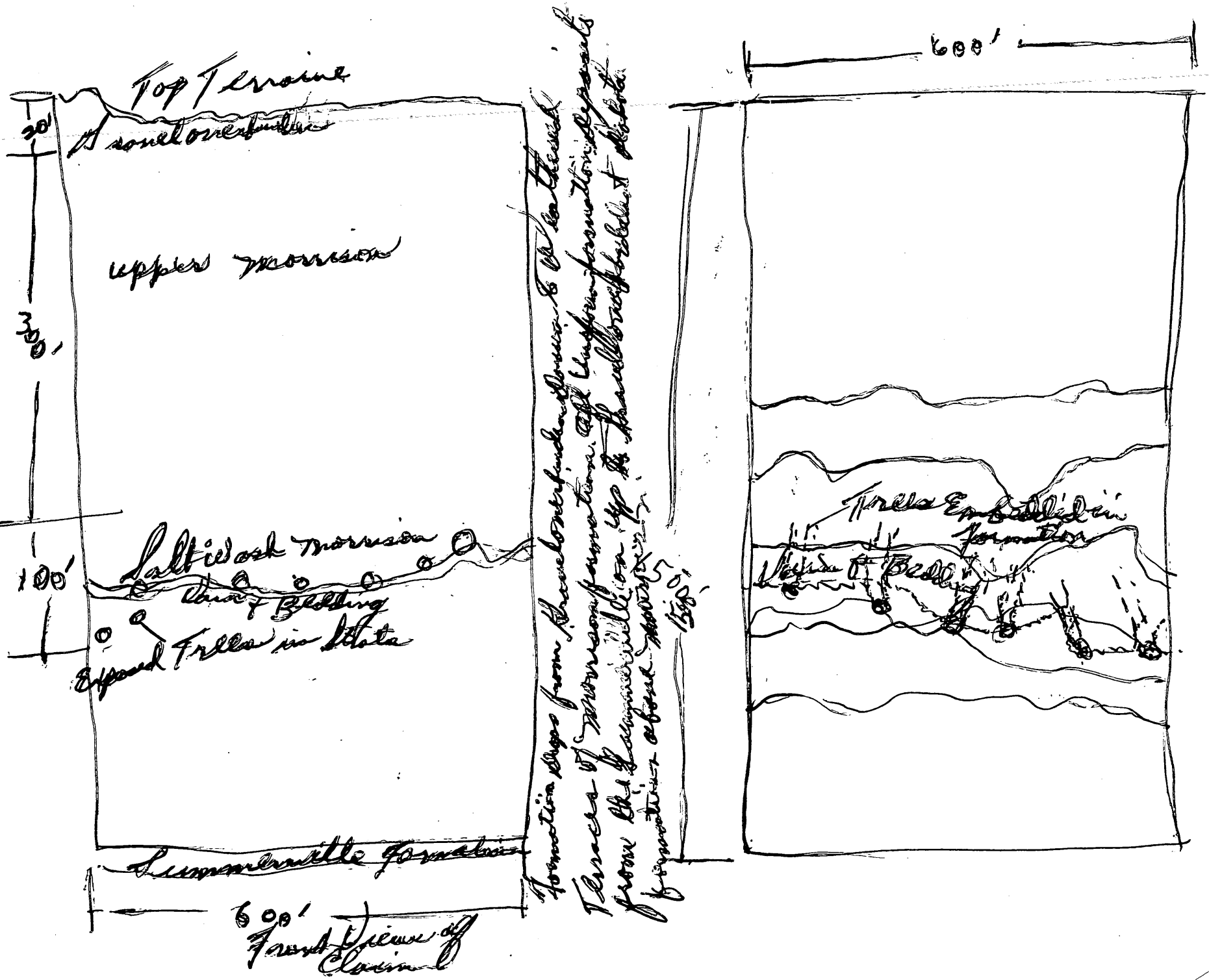
Cat work	$1536
Tunnel work	4500
Core drilling	5000
Housing	1000
analytical	500
Accounting	3200
Furnishings for camp	500
Applicants wages	5000
Geiger counter	430
Total	$21,716

7. Plus what ever is allowed for my equipment.

(b)

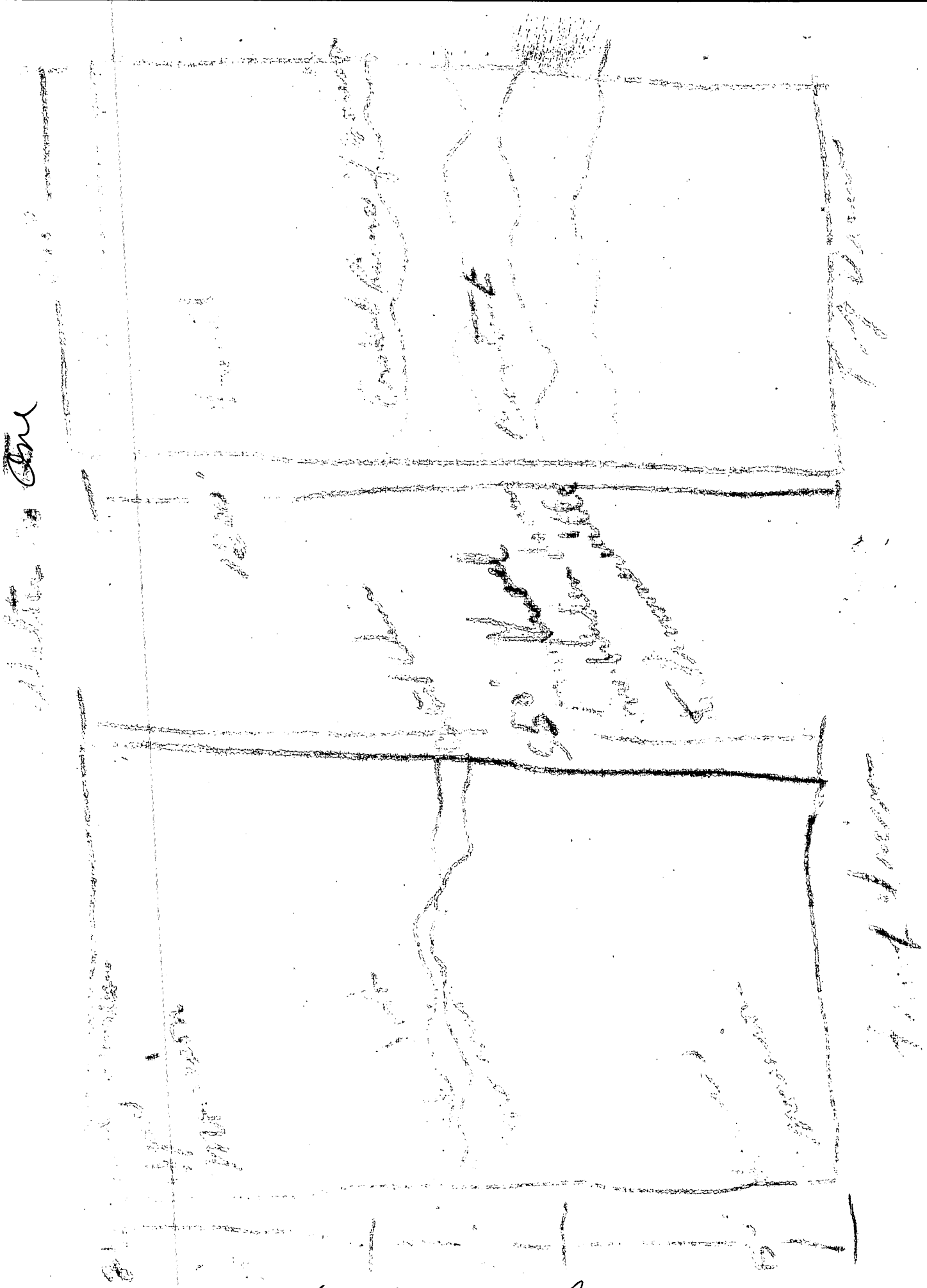
Dump truck
Pick up truck
Four wheel drive

Walter No 3



Physical features)

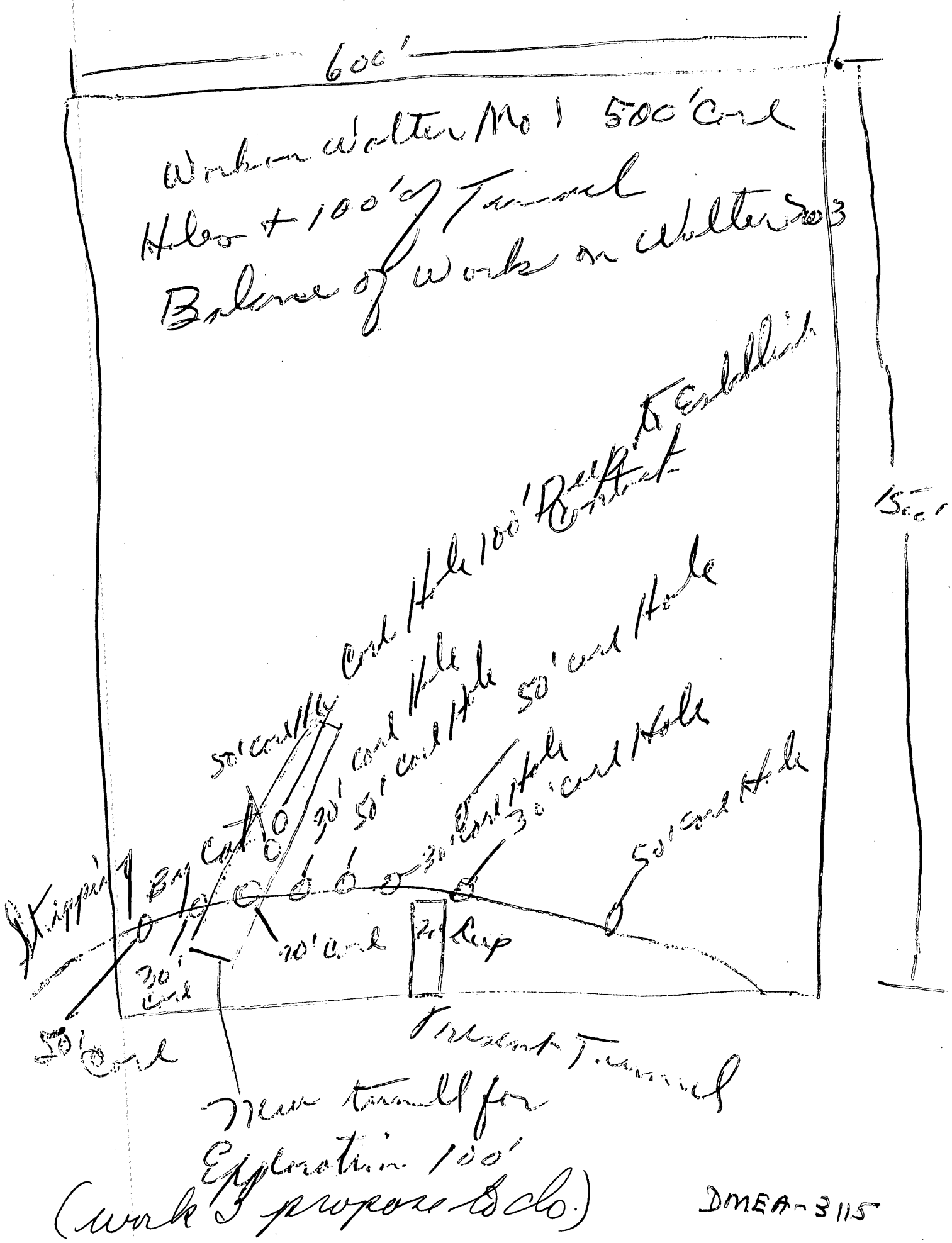
DMEA-3115



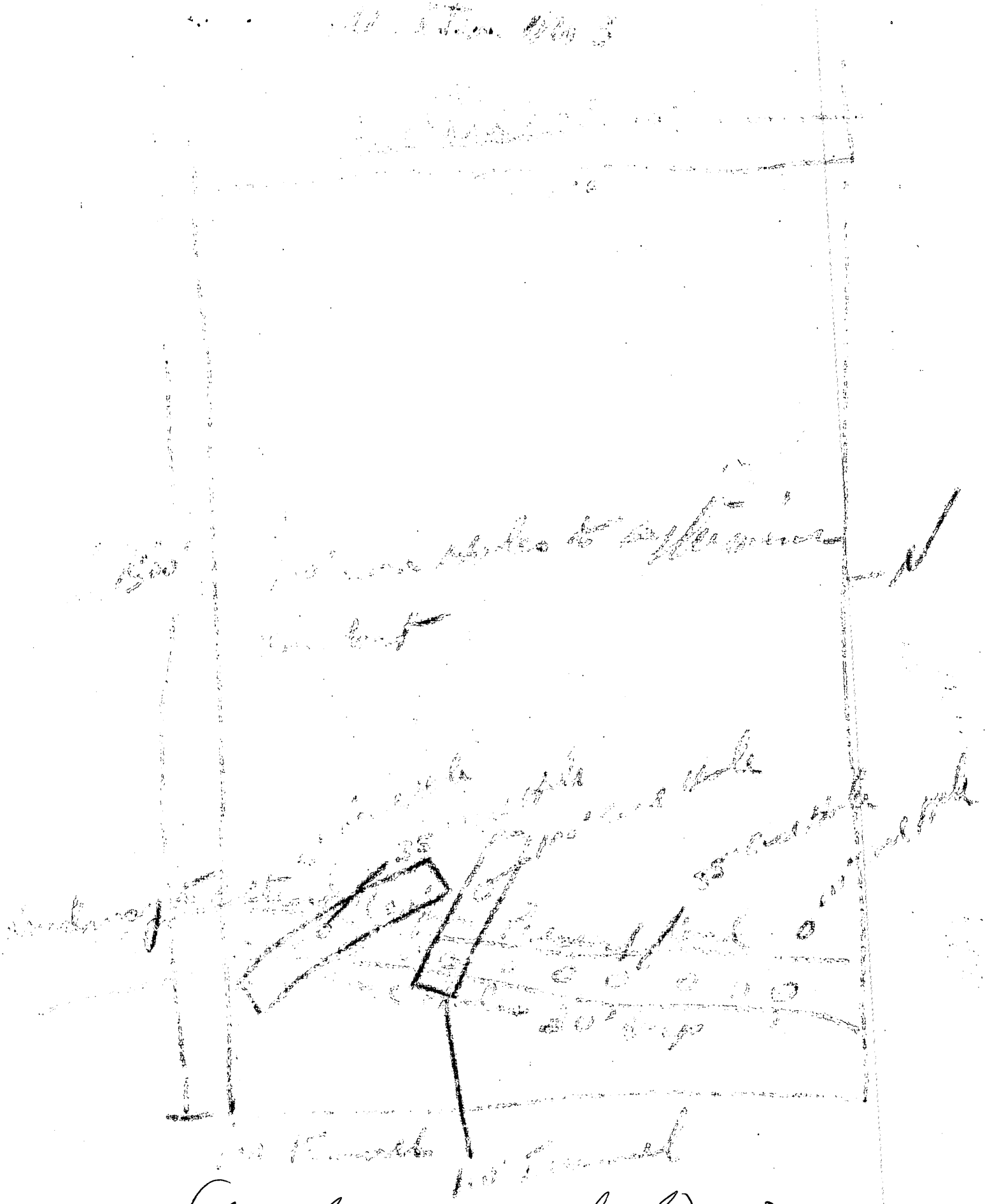
(physical features)

DMEA-3115

Walters No I



DMEA-3115



(Work I propose to do.)

DMEA-3115

GEOLOGICAL SURVEY

Joplin, Mo.

OFFICIAL BUSINESS

JUL 27 1953

Operating Committee
Defense Minerals Exploration Administration
Interior Building
Washington 25, D. C.