DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
4/9	Hopkins	400
4/9	Martin	400
4/10	Selfridge	130
"	Johnson	110
"	Whitehead	100
		220

APR 10 1957

Whitehead and Adams Yellow
King Mining Company
285 F Street
Salt Lake City, Utah

Re: Docket No. DMEA 4503 - Mercury
Yellow King Group
Washington County, Utah

Lamb
Nelson

Gentlemen:

Your application for aid for an exploration project and other data available to us in Washington concerning the above-referenced property have been reviewed.

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

Careful study of all the new information submitted in your application together with other available data, as well as the results of two field examinations of your property, indicates to us that the probability of disclosing minable ore reserves on your property is not sufficiently promising to justify Government participation in its exploration. We therefore regret to advise you that your application is denied.

Your interest in the Defense Minerals Exploration Administration program is greatly appreciated. Thank you for bringing this property to our attention.

Sincerely yours,

C. O. Mittendorf (fw)

Administrator

JHopkins:am 4-5-57 - 4-9-57
copies to: Docket
Code 400
Admr. Read. File
Oper. Comm.
FT REG III
Messrs. A. D. McMahon, USBM
T. H. Kiilsgaard, USGS

DENIED

8623

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
4/5	Hopkins	400
4/5	Martin	400
4/8	Selfridge	130
		110
		100
		220

Whitehead and Adams Yellow
King Mining Company
285 F Street
Salt Lake City, Utah

Re: Docket No. DMEA 4503 - Mercury
Yellow King Group
Washington County, Utah

Lamb
Kiilsgaard

Gentlemen:

Your application for aid for an exploration project and other data available to us in Washington concerning the above-referenced property have been reviewed.

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

Careful study of all the new information submitted in your application, check sampling, and comparison with the information in a field examination report made in connection with a previously denied application for exploration assistance on the property (Docket Number DMEA 3828) all indicate to us that the probability of disclosing minable ore reserves is not sufficiently promising to justify Government participation. Under these circumstances, we regret to advise you that your application is denied.

therefore

your group property,

We wish to thank you for your interest in the Defense Minerals Exploration Administration program and for again bringing this property to our attention.

is greatly appreciated. There is yet for

in old exploration.

Sincerely yours,

JHopkins:am 4-5-57
cc to: Docket
Code 400
Admr. Read. File
Oper. Comm.
FT REG REG III
Messrs. A. D. McMahon, USBM
T. H. Kiilsgaard, USGS

Administrator

together with other available data, we would on the results of two field examinations of your property

8623

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
4/5	Hopkins	400
4/5	Martin	400
		130
		110
		100
		220

April 5, 1957

MEMORANDUM

To: Administrator, DMEA

From: Iron and Ferro-Alloys Division

Subject: Denial of application for exploration assistance
Docket No. DMEA 4503 - Mercury
Whitehead and Adams Yellow King Mining Company
Yellow King Claims
Washington County, Utah

Denial of the subject application is recommended by this Division on the basis of the following information:

Whitehead and Adams, 285 F Street, Salt Lake City, Utah, partners, made an application for exploration assistance October 6, 1956. The property was examined and sampled by a Bureau of Mines representative of DMEA, February 5, 1957. The field examination report by M. M. Gilkey, Bureau of Mines and F. B. Moore, Geological Survey, dated March 13, 1957, recommended denial of the present application. The property was also the subject of an application docketed under DMEA No. 3828 which was denied upon recommendations of the Field Team, after a field examination.

Property: The property consists of six unpatented lode claims, the Yellow King and Yellow King Extension, numbers 1 through 5, located in secs. 19, 30 and 31 T. 42 S., R. 14 W., and secs. 25 and 36 T 42 S., R. 15 W., S. L. B. and M., Washington County, Utah.

Geology: Cinnabar occurs in the original Yellow King claim, in a northeasterly striking, northwesterly dipping 200-foot-wide fault zone in Permian Kaibab limestone. Reported assay results of recent sampling by the applicants indicated the possibility of commercial ore on the property. However, 11 samples by DMEA examiners assayed less than 0.01 percent mercury, too low to warrant an exploratory project.

Workings: Workings consist of stripping of the area by bulldozing. No underground work or exploratory drilling has been done.

Past Production:

An estimated four pounds of mercury is reported by the applicant to have been recovered by retorting about 200 lbs. of picked samples.

There are no reserves.

8623

Proposed Work:

The applicants proposed to drive a 300 foot incline and diamond drill holes totalling 800 feet in areas to be determined by results of bulldozing.

Comments and Conclusions:

The Field Team recommends that the application be denied because of the low mercury content of the fault zone, and the lack of geologic reasons to expect improvement either laterally or in depth. The Commodity Divisions of the Geological Survey and Bureau of Mines concur in the recommendations of the Field Team.

W. S. Martin

W. S. Martin, Chief
Iron and Ferro-Alloys Division

JHopkins:am
cc to: Docket
Code 400
Admr. Read. File
Oper. Comm.

IN REPLY REFER TO:

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

April 2, 1957
Re: DMEA 4503
Whitehead and Adams
Yellow King Group
Washington County, Utah
$18,250 - Mercury

Memorandum

To: W. S. Martin, Defense Minerals Exploration Administration

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

Subject: Review of Field Team Report

The applicants requested assistance in exploring a mercury showing that was the subject of application DMEA 3828, which was denied.

The examiners found that further bulldozing had been done but the showing had not been bettered as established by a new lot of samples, not one of which, on assaying, showed 0.01% Hg.

I concur with the recommendation of denial of the examiners and the Field Team.

N. E. Nelson

N. E. Nelson

OFFICIAL FILE COPY
DMEA
RECEIVED APR 1957

DATE	INITIALS	CODE
4 3	WSM	220 400

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

OFFICIAL FILE COPY
DMEA
RECEIVED MAR 28 1957

DATE	INITIALS	CODE
3/29	C	220
3/29	WSM	400

March 28, 1957

Memorandum

To: W. S. Martin, Defense Minerals Exploration Administration

From: Commodity Specialist, Branch of Base Metals

Subject: Review of examination report, Docket No. DMEA 4503 (mercury), Whitehead and Adams, Yellow King Claims, Washington County, Utah. $18,250.00

A reexamination of the above-cited property confirms the findings previously reported by the examiners under Docket No. 3828. Although mercury mineralization is present in the prominent fault zone on the property, it is too low in grade and geologic evidence does not indicate the mineralization will increase with depth or laterally. Accordingly, the examiners recommend denial of the application.

I concur with this recommendation.

A. D. McMahon
A. D. McMahon

Copy to: Division of Minerals
Branch of Base Metals (2)
Thor Kiilsgaard, U.S.G.S.
F. D. Lamb
F i l e s

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

224 New Customhouse
Denver 2, Colorado

March 18, 1957

ORIGINAL FILE COPY
DMEA
RECEIVED MAR 21 1957

DATE	INITIALS	CODE
3/21	C	220
		130
3/26	C	220
3/26	WSM	400

Memorandum

To: Secretary to the Operating Committee, DMEA

From: DMEA Field Team, Region III

Subject: Joint Report of Examination, Docket DMEA 4503 (Mercury) Whitehead & Adams Yellow King Mining Company (Yellow King Group) Washington County, Utah

Enclosed are the original and three copies of a Joint Report of Examination on the subject property by M. M. Gilkey, USBM, and F. B. Moore, USGS.

The subject property was included in a previous application under Docket DMEA 3828, Whitehead and Whitehead, which was denied as a result of a field examination. Subsequent work by the applicant indicated that more encouraging mineralization had been encountered and a second application was submitted. The findings of the second examination of the property, however, are less encouraging than the first. Accordingly, the field examiners recommend that the application be denied. The Field Team concurs with this recommendation.

DMEA Field Team, Region III

E. N. Harshman

By E. N. Harshman
Acting Executive Officer

Enclosures

Reviewed by
DMEA OPERATING COMMITTEE
3-25-57
(date)

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

DMEA
DEPARTMENT OF THE INTERIOR
MAR 15 1957
REGION III
DENVER, COLORADO

TRANSMITTED
MAR 18 1957

March 13, 1957

Memorandum

To: E. N. Harshman, Acting Executive Officer, DMEA Field Team, Region III EMH

From: Stephen R. Wilson

Subject: Docket No. DMEA-4503 (Mercury), Whitehead and Adams Yellow King claims, Washington County, Utah

Enclosed are nine copies of an engineering and geologic report pertaining to examination of the Whitehead and Adams property to appraise a request for DMEA assistance. The report was prepared jointly by M. M. Gilkey and F. B. Moore.

The present request for a Government loan covers property included in a previous application under docket No. DMEA-3828, Whitehead and Whitehead. The initial examination under this docket resulted in a denial, primarily because of the minor quantities of mercury present in the mineralized zone. Subsequent work by the applicant indicated that more encouraging mineralization had been encountered, and a second application was submitted. Six samples obtained during the initial examination assayed from 0.01 percent to 0.05 percent mercury. In the second application the applicant claimed assay results varying from 0.5 percent to 1 percent mercury. The property was resampled February 5, 1957, and 11 samples obtained. All samples assayed less than 0.01 percent mercury.

The examiners recommend that the request for DMEA assistance be denied. Mineralization in the prominent fault zone on the property is too low in grade to expect a significant mercury deposit. The geologic evidence does not indicate that improvement in mineralization may be expected laterally or at depth. I concur with the recommendation of the examining team.

Stephen R. Wilson

Stephen R. Wilson

Enclosure

cc: W. H. King
J. B. Clemmer

Reviewed by
DMEA OPERATING COMMITTEE
3-25-57
(date)

OFFICIAL FILE COPY
DMEA
RECEIVED MAR 21 1957

DATE	INITIALS	CODE
		130
		220
3/26	WSM	900

FOR UNITED STATES GOVERNMENT USE ONLY

WHITEHEAD AND ADAMS
YELLOW KING CLAIMS
WASHINGTON COUNTY, UTAH
DMEA-4503
Mercury

TRANSMITTED
MAR 18 1957

Engineering and Geologic Report

By M. M. Gilkey
Mining Engineer
Bureau of Mines

and

F. B. Moore
Geologist
Geological Survey

OFFICIAL FILE COPY
DMEA
RECEIVED MAR 21 1957

DATE	INITIALS	CODE
		130 ~~216~~
		220
3/26	WSM	400

March 13, 1957

Reviewed by
DMEA OPERATING COMMITTEE
3-25-57
(date)

WHITEHEAD AND ADAMS
YELLOW KING CLAIMS
WASHINGTON COUNTY, UTAH

CONTENTS

	Page
Engineering and geologic report	
Summary	2
Introduction	3
Location, topography, and climate	3
Ownership and extent	4
History, production, and ore reserves	4
Description of the deposit	5
Proposed exploration	6
Conclusions and recommendations	6

ILLUSTRATIONS

Fig. 1 Location map, Whitehead and Adams, Yellow King claims, Washington County, Utah
Fig. 2 Plan of mineralized area, Yellow King claim

OFFICIAL FILE COPY
D M E A
RECEIVED MAR 21 1957
INITIALS CODE
3/26 W/SM 400

SUMMARY

Whitehead and Adams applied in October 1956 for a DMEA loan on the Yellow King mercury claims in Washington County, Utah. During May 1955, Whitehead and Whitehead had applied for Government aid in an exploratory project on the same property. The first application was denied because of the weakness of mineralization present.

Cinnabar occurs on the original Yellow King claim, in a northeasterly striking, northwesterly dipping, 200-foot-wide fault zone in Permian Kaibab limestone. The mineralized area is exposed at the surface by bulldozer stripping, most of which was accomplished subsequent to denial of the first application. No underground work or exploratory drilling has been done. There are no known ore reserves on the property.

Reported assay results of recent sampling by the applicant indicated the possibility of occurrence of commercial ore on the property. The property was resampled February 5, 1957, by a DMEA representative. The 11 DMEA samples include check samples cut in areas from which highest results were obtained by the applicant. All 11 samples assayed less than 0.01 percent mercury, too low to warrant an exploratory project.

Estimated cost of the presently proposed exploration is $18,250. The proposed work consists of surface stripping, 800 feet of diamond drilling, and 300 feet of drifting.

In view of the low mercury content of the fault zone, and the lack of geologic reasons to expect improvement either laterally or in depth, it is recommended that the application be denied.

INTRODUCTION

Whitehead and Adams submitted an application (docket No. DMEA-4503) dated October 6, 1956, for Government aid in an exploratory project on the Yellow King mercury property, Washington County, Utah. A previous application (docket No. DMEA-3828) by Whitehead and Whitehead, dated May 16, 1955, resulted in denial of requested Government assistance in a project designed to explore the same area. Reports of examination completed in August 1955 by the Geological Survey and Bureau of Mines, describe the mineralized area as it appeared at that time and list assays of six DMEA samples. All assay results are low, the highest being 0.05 percent mercury.

Bulldozer stripping accomplished by the applicant in the mineralized area subsequent to denial of the first application has enlarged and deepened the original cut. Assays of samples taken by the applicant from the enlarged bulldozed area, and listed in the present application, indicated that a DMEA exploratory project might be warranted. Resampling of the mineralized area by the Bureau of Mines representative of DMEA February 5, 1957, however, shows that the mercury content is less than 0.01 percent.

LOCATION, TOPOGRAPHY, AND CLIMATE

The property is situated 3.6 miles by road southeast of the town of Washington, Washington County, Utah, in secs. 19, 30, and 31, T. 42 S., R. 14 W., and secs. 25 and 36, T. 42 S., R. 15 W., S.L.B. and M. (A legal description of the claims given by the applicant on application form MF-103 is erroneous. Corrected orientation of the claims is shown on the

photostatic copy of the claim map "Yellow King claims, Washington County, Utah," included in the brochure. The blue line print is incorrect with regard to both orientation and legal description.)

Altitudes on the property range from 2,800 to 3,000 feet, approximately. Slopes are steep in the immediate vicinity of the mineralized outcrop, but the area as a whole is of moderate relief.

The climate is characterized by long, hot summers and mild winters. Water is available at a distance of about 1 mile from the property.

OWNERSHIP AND EXTENT

The property consists of six unpatented lode claims, the Yellow King and Yellow King Extension numbers 1 through 5. The property is owned by the applicant, a partnership which includes William A. Whitehead, 285 F Street, Salt Lake City, Utah; William R. Whitehead, 482 5th Avenue, Salt Lake City, Utah; and Watson Adams, Parowan, Utah.

HISTORY, PRODUCTION, AND ORE RESERVES

The Yellow King claim on which the cinnabar mineralization is exposed was first located in December 1948. No underground work or exploratory drilling have been done.

An estimated four pounds of mercury is reported by the applicant to have been recovered by the retorting of approximately 200 pounds of picked samples from the mineralized exposure. No other production is reported.

There are no known ore reserves.

DESCRIPTION OF THE DEPOSIT

The mercury on the Yellow King claim occurs principally in the mineral cinnabar along a northeasterly striking fault zone related to the Hurricane fault system (fig. 2). The deposit is in Permian Kaibab limestone which is in fault contact with a conglomerate of the overlying Triassic Moenkopi formation on the northwest or hanging-wall side of the fault zone. The fault zone is now exposed in the open cut for a width of nearly 200 feet. As pointed out by Osterstock in his report regarding the original application, there is no geologic reason to believe that the mercury content will increase along the strike or in depth. Cinnabar, a low-temperature mineral, generally occurs at relatively shallow depths and is not greatly influenced by type of wall rock.

Eleven DMEA samples taken from the recently enlarged bulldozed area across the shear zone were cut at places selected by the applicant as representative of the higher grade material. The locations and results of these samples are given on figure 2. All assayed less than 0.01 percent mercury. Samples numbers 1 and 2, taken by the applicant November 27, 1956, and reported to contain 1.0 percent and 0.5 percent mercury, respectively, were checked by DMEA samples numbers 14 and 12A. (No. 12A is a vertical sample directly above No. 12.)

Six DMEA samples cut in July 1955, at the time of the first examination, assayed from less than 0.01 percent to 0.05 percent mercury. Three of the six were taken approximately 5 feet above DMEA samples number 7 to 10, and the other three were obtained directly opposite, on the southwest side of the bulldozed area.

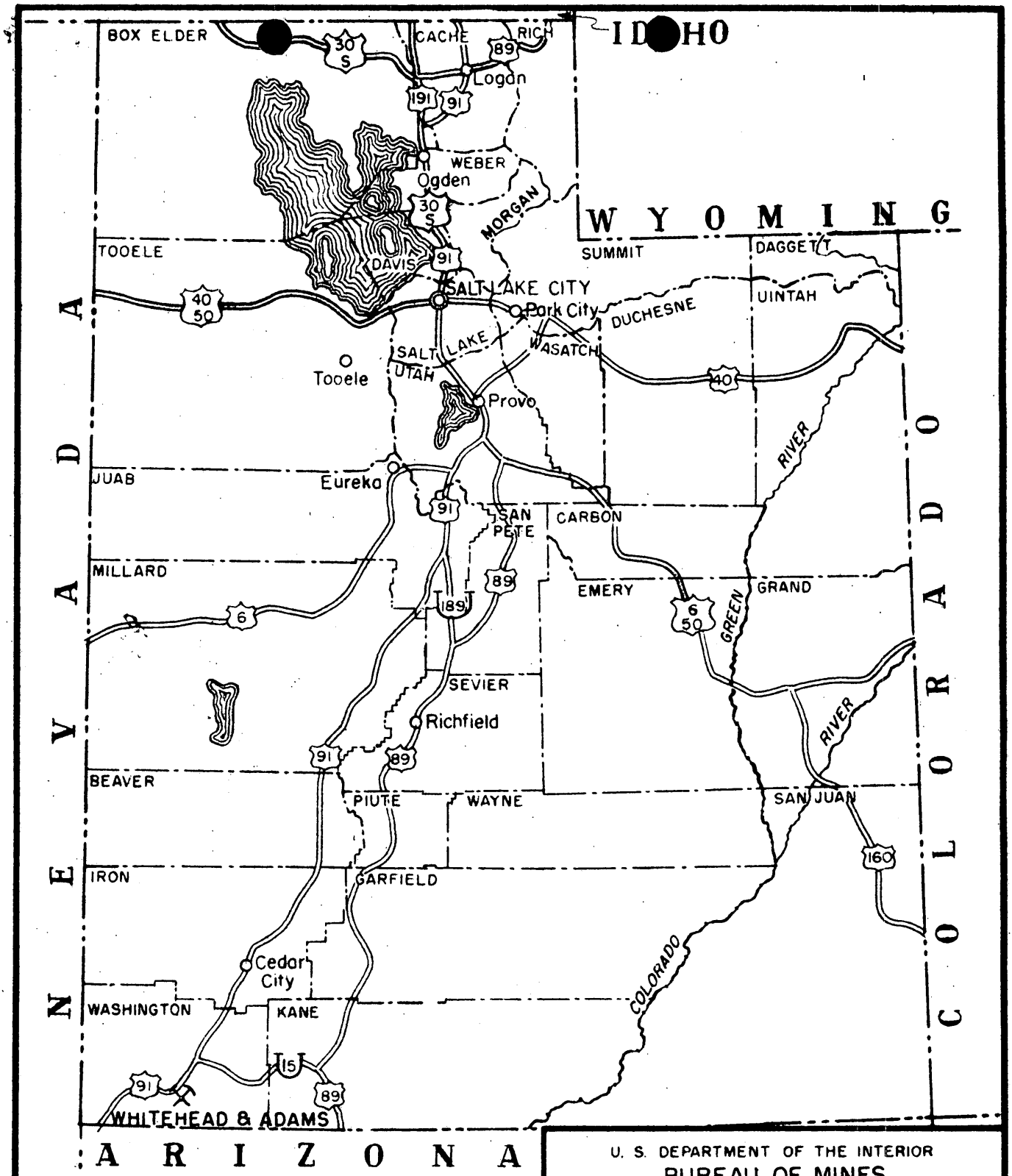
PROPOSED EXPLORATION

Exploratory work proposed by the applicant is estimated to cost $18,250.00. The proposed work consists of the following items: (1) a 300-foot inclined "drift" designed to crosscut the mineralized brecciated zone on the Yellow King claim (fig. 2); (2) bulldozer stripping on the Yellow King Extension claims numbers 1, 3, and 4 (no specific areas are mentioned); and (3) diamond core drilling totaling 800 feet in areas to be determined by the results of the bulldozer stripping.

From an engineering point of view (from the standpoint of ground conditions), the drifting is feasible, but the specified 300 feet considerably exceeds the footage apparently required to reach the footwall of the fault zone. No areas warranting bulldozer stripping are known to exist on Extension claims numbers 1, 3, and 4; the only known mercury mineralization on the property is on the original Yellow King claim in the area shown on figure 2. Diamond drilling in the fault zone, even if desirable, would probably not be feasible because of the loose, brecciated nature of the formation.

CONCLUSIONS AND RECOMMENDATIONS

Because of the low mercury content of the fault zone, and the lack of geologic reasons to expect improvement either laterally or in depth, it is recommended that the application be denied.



U. S. DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Fig. 1 DMEA Docket No. 4503

Location Map
WHITEHEAD & ADAMS
YELLOW KING CLAIMS
WASHINGTON COUNTY, UTAH

ENGINEER: *Millard M. GILHEY* DATE: MAR. 4, 1957
TRACED: MAR., 1957; A. P.T.S.
CHECKED:

400 - 7 - G

OFFICIAL FILE COPY
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RECEIVED MAR 21 1957

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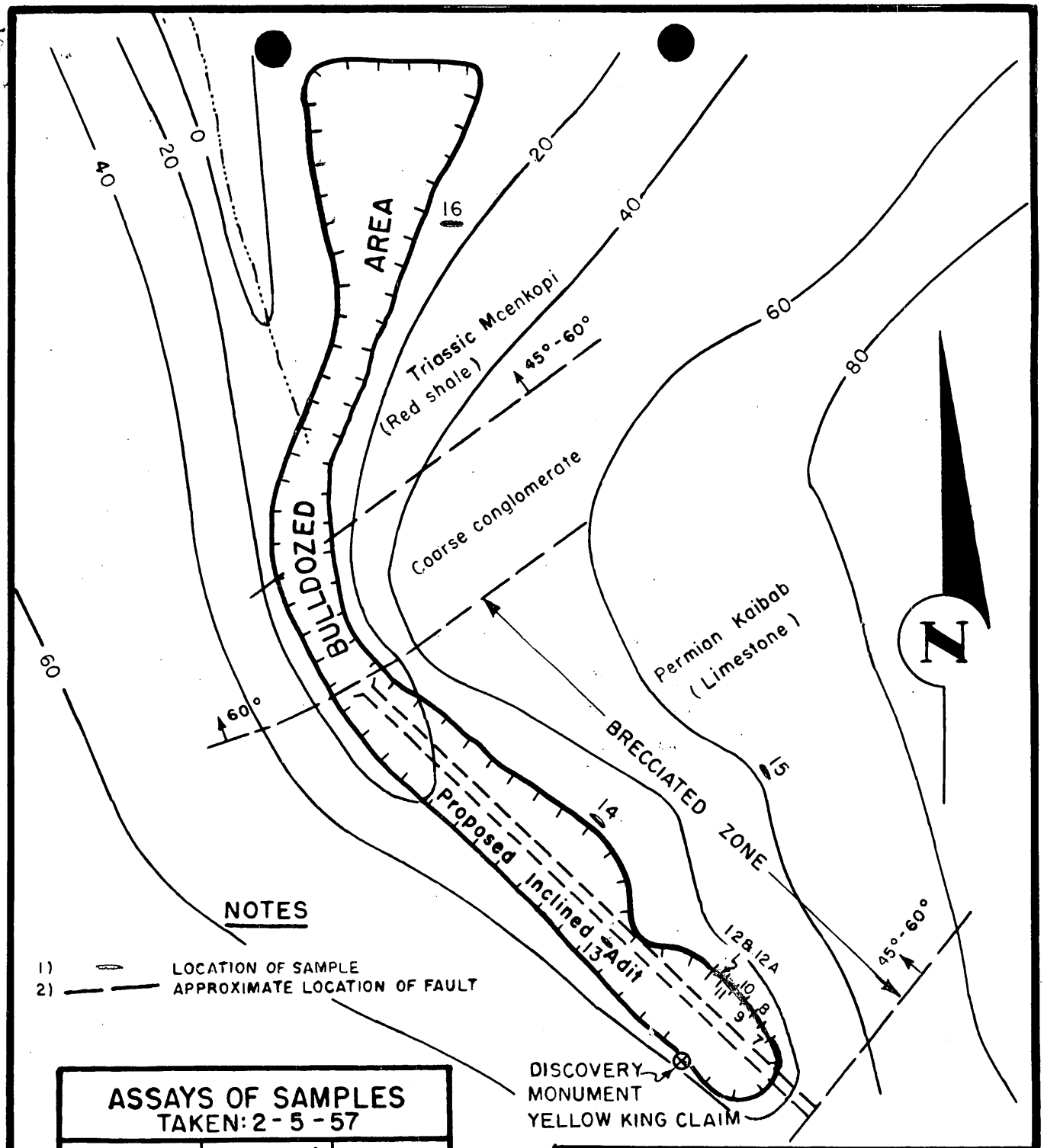

ASSAYS OF SAMPLES
TAKEN: 2-5-57

Sample No D.M.E.A.	Length of Sample	% Hg
7 (HORIZ.)	5.0'	<0.01
8 (HORIZ.)	5.0'	<0.01
9 (HORIZ.)	5.0'	<0.01
10 (HORIZ.)	5.0'	<0.01
11 (HORIZ.)	5.0'	<0.01
12 (HORIZ.)	5.0'	<0.01
12 A (VERT.)	4.5'	<0.01
13 (HORIZ)	6.0'	<0.01
14 (HORIZ.)	5.5'	<0.01
15 (HORIZ.)	2.0'	<0.01
16 (HORIZ)	7.0'	<0.01

U. S. DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Fig. 2 DMEA Docket No. 4503

Plan of Mineralized Area
WHITEHEAD & ADAMS
YELLOW KING CLAIM
WASHINGTON COUNTY, UTAH

ENGINEER: M.M. GILKEY | DATE: MAR. 1, 1957
TRACED: MAR. 1957; A.P.T.S. | 400 - 6 - G
CHECKED:

OFFICIAL FILE COPY
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RECEIVED MAR 21 1957

DATE	INITIALS	CODE

DOCKET
SURNAME

400 Martin
Selfridge
Mottendorf

DEC 27 1956

Mr. W. M. Traver
Executive Officer, Region III
224 New Customhouse Building
Denver 2, Colorado

Re: Docket No. [illegible] 1503 - Mercury
Whitehead & Adams Yellow King
Mining Company
Yellow King Group
Washington County, Utah

Dear Mr. Traver:

As requested in your letter of December 13, 1956, enclosed is extra copy of the subject application. Please note that the map submitted in the application has been superseded by the map sent to you with our letter of December 14, 1956.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee (GCS)

APPROVED:

Frank D. Lamb (GCS)
Member, Bureau of Mines

Thor H. Kiilsgaard (GCS)
Member, Geological Survey

WSMartin/foc 12/21/56
cc to: Docket
Code 400
Admr. Read. File
Oper. Comm.
FT. REG. III
Messrs. J. W. Pennington, USBM
T. H. Kiilsgaard, USGS

Enclosure

RGK

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

224 New Customhouse
Denver 2, Colorado

December 18, 1956

Memorandum

To: W. H. King (2) (w/lcc of brochure)
E. N. Harshman (2) and no brochure

From: DMEA Field Team, Region III

Subject: Docket DMEA 4503 (Mercury) Whitehead & Adams Yellow King Mining Company (Yellow King Group) Washington County, Utah

Enclosed is the subject application in the amount of $18,250.00. A field examination and suitable report are requested.

Also enclosed are the following:

1. Copy of a letter from the Chairman of the Operating Committee, dated December 14, 1956.
2. Review of the application by N. E. Nelson.
3. Review of the application by J. W. Pennington.
4. Copy of Assay Certificate.
5. Two (2) maps.
6. Copy of Applicant's letter, dated November 29, 1956.

Will you please return the brochure with your report of examination.

DMEA Field Team, Region III

Original signed by
W. M. TRAVER

By W. M. Traver
Executive Officer

Enclosures
HMC:ytl
cc: Sec. Op. Comm. (2)
Docket 4503
Chron.

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

Docket

RECEIVED DEC 21 1956 D.M.E.A.

224 New Customhouse
Denver 2, Colorado

December 18, 1956

Memorandum

To: Chairman, Operating Committee

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket DMEA 4503 (Mercury) Whitehead & Adams Yellow King Mining Company (Yellow King Group) Washington County, Utah

This is to advise that no extra copies of the subject application were forwarded this office with your letter of December 14, 1956.

Since we are forwarding our copy of the brochure for use of the engineer field examiners, we would appreciate receiving an extra copy of the application for our file.

W. M. Traver

W. M. Traver

Copy of application from BLM.
note to be sent on letter about map.

Copy retained 100

400

400
DOCKET
SURNAME
McMahon
Martin
Selfridge
Johnson

DEC 14 1956

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

Re: Docket No. DMEA 4503 - Mercury
Whitehead & Adams Yellow King
Mining Company
Yellow King Group
Washington County, Utah

Dear Mr. Traver:

Enclosed are single copies of assay certificates, maps, and the applicant's reply of November 29, 1956, to our letter of October 31, 1956.

In view of the applicant's claims with respect to additional work completed and the assays of samples taken, the above docketed application for exploration assistance is being referred to your office for review and a re-examination of the property if necessary.

Copies of memoranda dated October 23 and October 24, 1956, by M. R. Nelson, Geological Survey, and J. W. Pennington, Bureau of Mines, respectively, relating to the project, are enclosed.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee (GCS)

APPROVED:

Frank D. Lamb (GCS)
Member, Bureau of Mines

Thor H. Kiilsgaard (GCS)
Member, Geological Survey

Enclosures

ADMcMahon:am:am12-14-56
cc to: Docket
Code 400
Admr. Read. File
Oper. Comm.
FT. REG. III
Messrs. J. W. Pennington, USBM
T. H. Kiilsgaard, USGS

R.C.H.

McMahon
Martin
Selfridge
Fitzsimon

Mr. W. M. Weaver, Executive Officer
DMEA Field Term, Region III
224 New Customhouse Building
Denver 2, Colorado

Re: Docket No. DMEA 4503 - Mercury
Whitehead & Adams Yellow King
Mining Company
Yellow King Group
Washington County, Utah

Dear Mr. Weaver:

Enclosed are copies of the applicants' letter of November 29, 1956, and accompanying assay certificates and maps replying to our letter of October 31, 1956, requesting additional information copies of which were forwarded to you on that date.

In view of the applicants' claims with respect to additional work completed and the assays of samples taken, the above docketed application for exploration assistance is being referred to your office for review and a re-examination of the property if necessary.

Copies of memoranda dated October 23 and October 24, 1956, by W. L. Nelson, Geological Survey, and J. W. Pennington, Bureau of Mines, respectively, relating to the project, are enclosed.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee (GCS)

APPROVED:

Frank D. Lamb

Member, Bureau of Mines (FDL)

Thor H. Kiilsgaard

Member, Geological Survey (THK)

ADMcMahon:am 12-7-56

cc to: Docket
Code 400
Admr. Read. File
Oper. Comm.
Messrs. J. W. Pennington, USBM
T. H. Kiilsgaard, USGS
FT. REG. III

Enclosures

400

McMahon
Martin
Lamb
Kilsgaard
Selfridge
Pyfrom

DEC 14 1956

Whitehead and Adams Yellow
King Mining Company
285 F Street
Salt Lake City, Utah

Re: Docket No. DMEA 4503 - Mercury
Yellow King Group
Washington County, Utah

Gentlemen:

This will acknowledge receipt of your letter of November 29, 1956, transmitting assay certificates and maps, as requested in our letter of October 31, 1956.

We thank you for the additional information which we are forwarding together with the above-docketed application to Mr. W. M. Traver, Executive Officer, DMEA Field Team, Region III, 224 New Customhouse Building, Denver 2, Colorado, for review and a possible re-examination of the property.

If a field examination is considered necessary, the Field Team will make appropriate arrangements with you.

Sincerely yours,

C. O. Mittendorf

Administrator

ADMcMahon:am 12-7-56
cc to: Docket
Code 400
Admr. Read. File
Oper. Comm.
FT. REG. III
Messrs. J. W. Pennington, USBM
W. H. Kiilsgaard, USGS

R.C.L.

WHITEHEAD AND ADAMS YELLOW KING MINING COMPANY Docket

285 F Street
Salt Lake City, Utah

November 29, 1956

RECEIVED DEC 3 1956 DMEA

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

Re: Docket No. 4503 - Mercury
Yellow King Group
Washington County, Utah

Gentlemen:

WBM

We hereby submit certificate of assay according to your request of October 31, 1956, and enclose map showing from where samples were taken. Numbers 1, 2, and 3 samples assayed on November 23, 1956, were taken on the structure between Pit A and B, and all showed mercury in a test made with a small retort where we saw the mercury come out when condensed. Numbers 4 and 5 were taken from Pit B, as indicated on map. Numbers 1 and 2, taken from Pit A, were assayed on November 27, 1956. This is the Pitwhere samples were taken by Mr. Gilkey in the original report, as reported under Docket No. DMEA 3828 - Mercury. The samples were all taken at right angles with the strike of the structure, which is northernly and southernly, and they were all taken from a five-foot wide strip.

The map has been corrected showing the correct location of Section 19 on the north and Section 31 on the south. We also consulted Mr. Gilkey regarding the orientation of extention Number 2. This claim was located after he was on the ground and the information was phoned to him in which he misunderstood the direction of that claim, which is different to the others. Therefore, the enclosed map is correct. Please disregard the original sketched map as it was made from description of location notices and the draftsman misunderstood the directions.

Very truly yours,

WHITEHEAD & ADAMS YELLOW KING MINING CO.

W. A. Whitehead

W. A. Whitehead, Manager

12/3/56
Copies made for
JL - 2
HL - 1 - sent
BM - 1 - sent
400 2

P. O. BOX 188
165 SOUTH WEST TEMPLE ST.

CERTIFICATE OF ASSAY

BLACK & DEASON

ASSAYERS AND CHEMISTS

TELEPHONE EM 3-2563

W. A. Whitehead

SALT LAKE CITY 10, UTAH, Nov. 23, 1956

ASSAY PER TON OF 2000 POUNDS

NAME	NO.	OUNCES GOLD	VALUE GOLD PER TON	SILVER OUNCES	WET LEAD %	COPPER %	INSOLUBLE %	ZINC %	Mercury Hg %	IRON %	%
	1								None		
	2	Trace		0.1					None		
	3								None		
	4								0.08		
	5								0.10		

CHARGES $ 17.00

paid

B W Deason

P. O. BOX 188
165 SOUTH WEST TEMPLE ST.

CERTIFICATE OF ASSAY

BLACK & DEASON

ASSAYERS AND CHEMISTS

TELEPHONE EM 3-2563

W. A. Whitehead

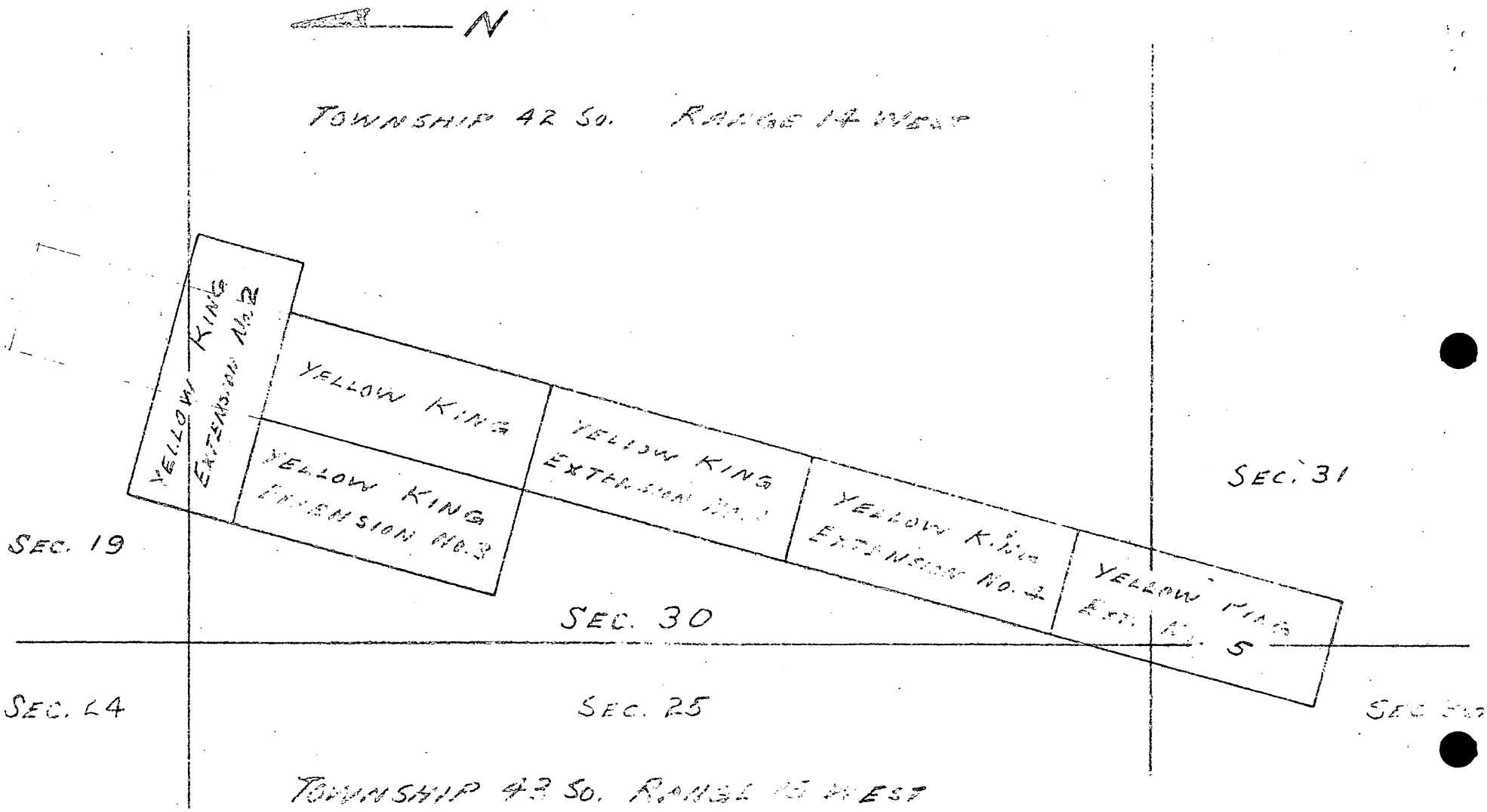
SALT LAKE CITY 10, UTAH, Nov. 27, 1956

ASSAY PER TON OF 2000 POUNDS

NAME	NO.	OUNCES GOLD	VALUE GOLD PER TON	SILVER OUNCES	WET LEAD %	COPPER %	INSOLUBLE %	ZINC %	Mercury Hg %	IRON %	%
	1								1.00		
	2								0.50		

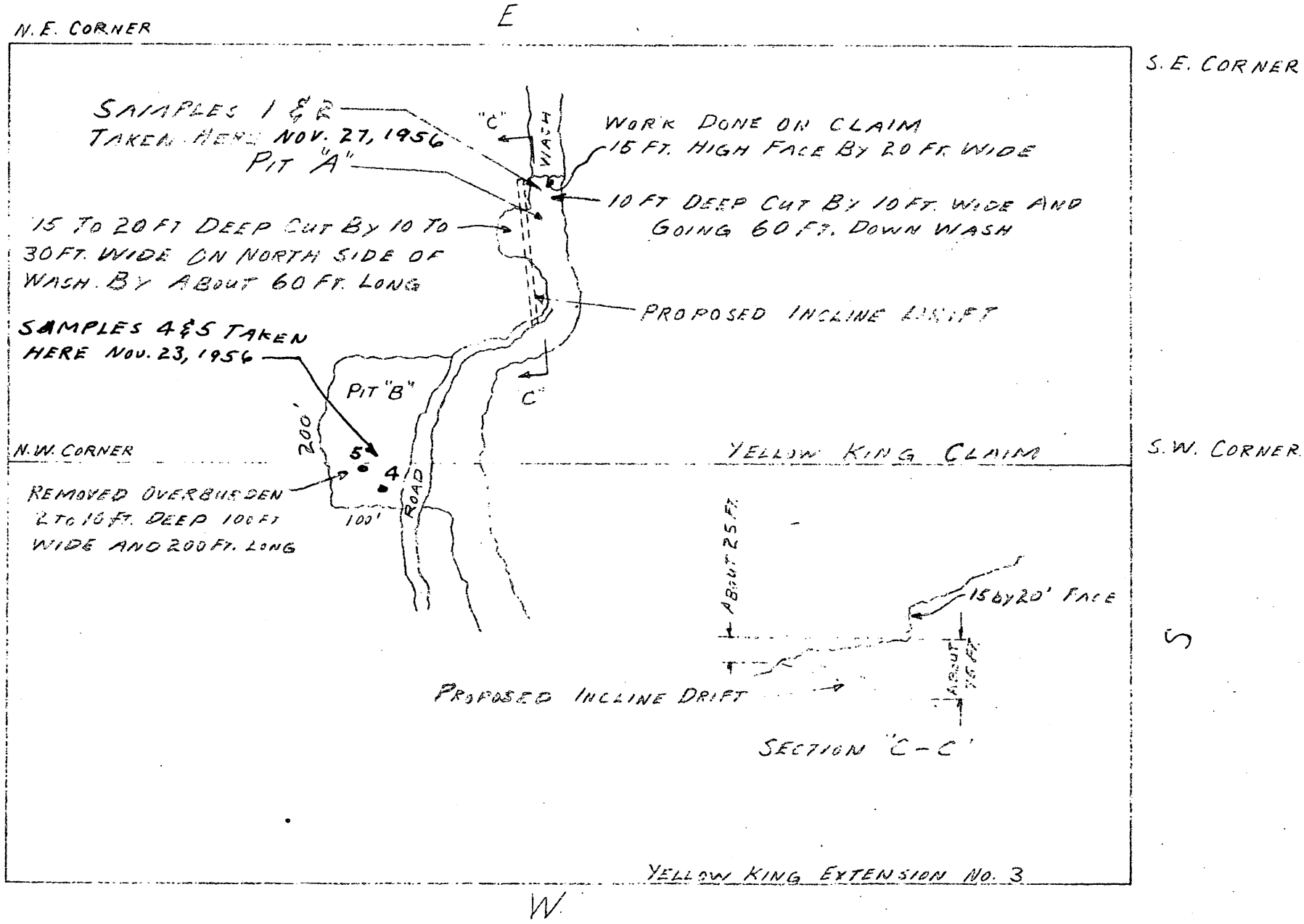
CHARGES $ 6.00 paid

B. W. Deason



NOTE:
LOC. MON. OF YELLOW KING CLAIM
TAKEN AS CENTER OF NW ¼ OF SEC. 30

YELLOW KING CLAIMS
WASHINGTON COUNTY, UTAH



MAP SHOWING WORK THAT HAS BEEN DONE ON YELLOW KING AND YELLOW KING EXTENSION NO. 3, ALSO PROPOSED INCLINE DRIFT

DOCKET
SURNAME
McMahon
Martin
Selfridge
Feldman
Whitehead

400

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

OCT 31 1956

Whitehead and Adams Yellow
King Mining Company
285 F Street
Salt Lake City, Utah

Re: Docket No. 4503 - Mercury
Yellow King Group
Washington County, Utah

Gentlemen:

Your application of October 6, 1956, for assistance in exploring for mercury on the above-cited claims has been carefully reviewed by the Washington office of the Defense Minerals Exploration Administration.

It is noted that you have exposed bedrock for approximately 120 feet in pit "A" and stripped overburden from a 200' x 100' area (pit "B"). However, of the assay certificates attached to the new application, the ones dated subsequent to the denial of your previous application do not indicate any increase in intensity of mineralization, although you state that your samples represent material of doubtful value, rather than recognizable ore. Assays for the two samples from pit "B" and two from pit "A" analyzed by the Chemistry Instructor at the Dixie College in St. George, Utah, and reported by you as 12, 44, 5, and 132 pounds of mercury per ton respectively were not substantiated by assay certificates.

To justify a re-examination of your property, we would need more to indicate the possibility of finding significant ore bodies than the unsupported analyses and visual determination reported in your application. It is, therefore, suggested that you submit representative samples from the most promising mineralized areas in pits "A" and "B" to a competent laboratory for quantitative determinations, and send us the corresponding assay certificates and a sample map showing locations of the samples taken, their widths and assays.

The claim map accompanying your new application shows section 19 south and section 31 north of section 30. Also, the orientation shown for the claims, especially "Yellow King Extension No. 2", does not coincide with that of the "Sketch Map, Whitehead & Whitehead, Yellow King Claims", a copy of which, from DMEA Docket No. 3828, is enclosed for your reference. Unless the claims and claim boundaries

R.S.B.

are oriented exactly as shown on your claim map, the references in your application, under "Article 2, Applicant's property rights", to the parts of the claims Yellow King Extension No. 2 and Yellow King Extension No. 5 lying in sections 31 and 19 respectively, should be revised or deleted. Accordingly, it is suggested that the claim locations be reviewed and an accurate claim map be submitted.

Your application will, therefore, be held in abeyance for a reasonable time to allow you to submit a supplement including the necessary additional information and maps.

Sincerely yours,

W. S. Martin, Chief
Iron and Ferro-Alloys Division

Enclosure

ADMcMahon/foc
10/30/56
cc to: Docket
Code 400
Admr. Read. File
FT. REG. III
Messrs. J. W. Pennington, USBM
T. H. Kiilsgaard, USGS

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

Docket
RECEIVED
OCT 24 1956

October 24, 1956

WSM

Memorandum

To: W. S. Martin, Defense Minerals Exploration Administration

From: Commodity Specialist, Branch of Base Metals

Subject: Review of application, Docket No. DMEA 4503 (mercury) Whitehead and Adams Yellow King Mining Co., Yellow King Group, Washington County, Utah. $18,250.00

The applicant proposes to explore for mercury mineralization on the yellow king group claims by 800 feet of core drilling, surface work, and 300 feet of drifting at a total estimated cost of $18,250.00.

A previous application (DMEA 3828) for assistance to explore these claims was denied on October 3, 1955, because it was believed that there was little chance of discovering a commercial deposit of mercury on the property.

Since then the applicant has completed surface stripping of pits A and B. It is stated that samples from pit A assayed from 5 to 132 pounds of mercury per ton and samples from pit B assayed from 12 to 44 pounds per ton.

Now, it is proposed to do surface work on Extensions 1, 3, and 4, 800 feet of core drilling, and 300 feet of drifting. Except for the drifting, no specific areas for exploration are defined.

Perhaps the work completed by the applicant has revealed sufficient data to warrant another examination.

For that reason, it is recommended that the application be referred to the Field Team for appraisal.

J. W. Pennington

J. W. Pennington

Copy to: Division of Minerals
Branch of Base Metals (2)
Thor Kiilsgaard, U.S.G.S.
F. D. Lamb
F i l e s

Copy retained 400

Docket

IN REPLY REFER TO:

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

RECEIVED
OCT 24 1956

October 23, 1956

Re: DMEA 4503
Whitehead and Adams Yellow King
Mining Company
Yellow King Group
Washington County, Utah
$18,250 - Mercury

Memorandum

To: W. S. Martin, Defense Minerals Exploration Administration

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

Subject: Review of application

The applicants request assistance in exploring a zone, probably marked by a chert dike from which several low grade and one high grade mercury samples have been taken. No data relating to widths sampled are given. Considerable stripping has been done resulting in the uncovering of the mineralized zone.

More definitive data are to be desired but the prospect may deserve an examination.

Referral of the application to the Field Team for appropriate action is recommended.

N. E. Nelson

N. E. Nelson

Copy retained 400

UNITED STATES
DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration
Washington 25, D. C.

October 22, 1956

Whitehead & Adams Yellow King
Mining Company
285 F. St., Salt Lake City, Utah

Subject: DMEA-4503
Re: Exploration Assistance
Yellow King Group

Gentlemen

Your application for exploration assistance, dated October 6, 1956 submitted to our office at Denver, has been assigned Docket Number DMEA-4503 and referred to the Iron and Ferro-Alloys Division in the Washington office. Kindly identify all future correspondence relating to your application by this Docket Number.

Sincerely yours,

Allen S. Dakan, Chief
Operations Control and
Statistics Division

Copy to:

Region III. Denver 2, Colorado

Code 400

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

RECEIVED
OCT 12 1956

224 New Customhouse
Denver 2, Colorado

October 9, 1956

Memorandum

To: Secretary to the Operating Committee

From: DMEA Field Team, Region III

Subject: Application for DMEA Aid (Mercury) Whitehead and Adams Yellow King Mining Company (Yellow King Group) Washington County, Utah

Enclosed are three copies of the subject application in the amount of $18,250.00. One copy of the application is being retained in our file.

This application is on the same property covered by Docket DMEA 3828.

DMEA Field Team, Region III

E. N. Harshman

E. N. Harshman
Acting Executive Officer

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

Re: DOCKET DMEA 3828

RECEIVED
OCT 1 3 1956

DMEA
DEPARTMENT OF THE INTERIOR
OCT 8 1956
REGION III
DENVER, COLORADO

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

Not to be filled in by applicant

Docket No. 4503
Metal or Mineral Mercury
Date Received 10-12-56
Estimated Cost $18,250
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: Whitehead and Adams Yellow King Mining Co. (partnership) ; 285 F Street; Salt Lake City, Utah. William A. Whitehead 285 F Street Salt Lake City, Utah
William R. Whitehead 452 5th Avenue Salt Lake City, Utah
Watson Adams Provo, Utah

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

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

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

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

3. *Applicant's property rights.*—(*a*) State the legal description of the land upon which you wish to explore, including all land which you possess or control that may be benefited by the exploration, and excluding any land or interest in land which is not to be included in the exploration project contract 4 claims situated in Section 30 Township 42 South Range 14 West. 1 Claim Extension No. 2 is 520 ft. in Section 30 and 80 ft. in Section 31. Extension No. 5 has 260 ft. in Section 30 and 1240 ft. in Section 19.

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

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

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

(*e*) If you own the land, describe any liens or encumbrances on it None

(*f*) If the land consists of unpatented claims, add to the description above, the book and page numbers for each recorded location notice.

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

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

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

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

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

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

(*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 30 days and be completed within 12 months from the date of an exploration project contract.

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

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?

[X] Money [X] Use of equipment owned by you [X] 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 Oct. 6, 1956

Whitehead & Adams Yellow King Mining Co.
(Applicant)

By W. A. Whitehead
William R. Whitehead

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

WHITEHEAD AND ADAMS YELLOW KING MINING COMPANY
285 F Street
Salt Lake City, Utah

RECEIVED
OCT 12 1953
County Recorder's Office
St. George, Utah

3. (f) Yellow King in Book X22 Page 362
Yellow King Extension No. 1 in Book X34 Page 143
" " " No. 2 " " X35 " 354
" " " No. 3 " " X35 " 355
" " " No. 4 " " X37 " 193
" " " No. 5 " " X37 " 194

4. (a) The work done as shown on map herewith consists of an open cut excavation about 10 ft. deep and 10 ft. wide and about 60 ft. long in the bottom of the wash in pit "A". There is a cut 15 to 20 ft. deep and 10 to 30 ft. wide on the north side of the wash in pit "A" for a distance of about 60 ft. making the gulch wider and exposing the strata at right angles to the strike of the formation.
Also removal of overburden at pit "B" consisting of bulldozer work by removing same to a depth of from 2 to 10 ft. for 200 ft. long and 100 ft. wide.
All above work has been done during the past eight months by the partnership.
A road is made to the claims.

(b) None

(c) The churt dyke extends and is exposed on Yellow King, Yellow King Extension Nos. 1 and 4 and showings of mercury are found on both sides of the dyke indicating the dyke was formed during and after the deposition of mercury and other mineralization.

(d) A road of about ½ miles is made to the claims. This road connects with a gravel road 4 miles to the town of Washington, Washington County, on U. S. Highway 91 in Utah. Washington is 5 miles from St. George where we have a residence.

(e) Manpower, materials, supplies, are available at St. George and we have an air compressor, jackhammer, drill steel, truck, car, etc.

5. (b) The proposed work is to drill 800 ft. of core drilling. Remove overburden on Extension No. 1, 3, and 4. Drive an incline drift 300 ft. (see map)

(d) William A. Whitehead has had several years experience in working in mines and supervised operation of a copper mine for two years. William R. Whitehead is an Engineer with 4 years experience with Combined Metals Reduction Co., Salt Lake City, Utah, a mining corporation. The last 4 years he has been with the Eimco Corp., Salt Lake City, Utah, which is in the business of manufacturing mining machinery.

6. (a) None except contract for the drilling.

WHITEHEAD AND ADAMS YELLOW KING MINING COMPANY
285 F Street
Salt Lake City, Utah

6.	Rental on No. 6 Caterpillar tractor for ten days, including supervision and putting machine on job	$1,250.00
	800 feet core drilling at $7.00 per ft.	5,600.00
	Making incline drift 7' x 5' - 300 ft. at $38.00 per ft.	11,400.00
	Grand Total	$18,250.00

All costs of operation are included in the unit costs

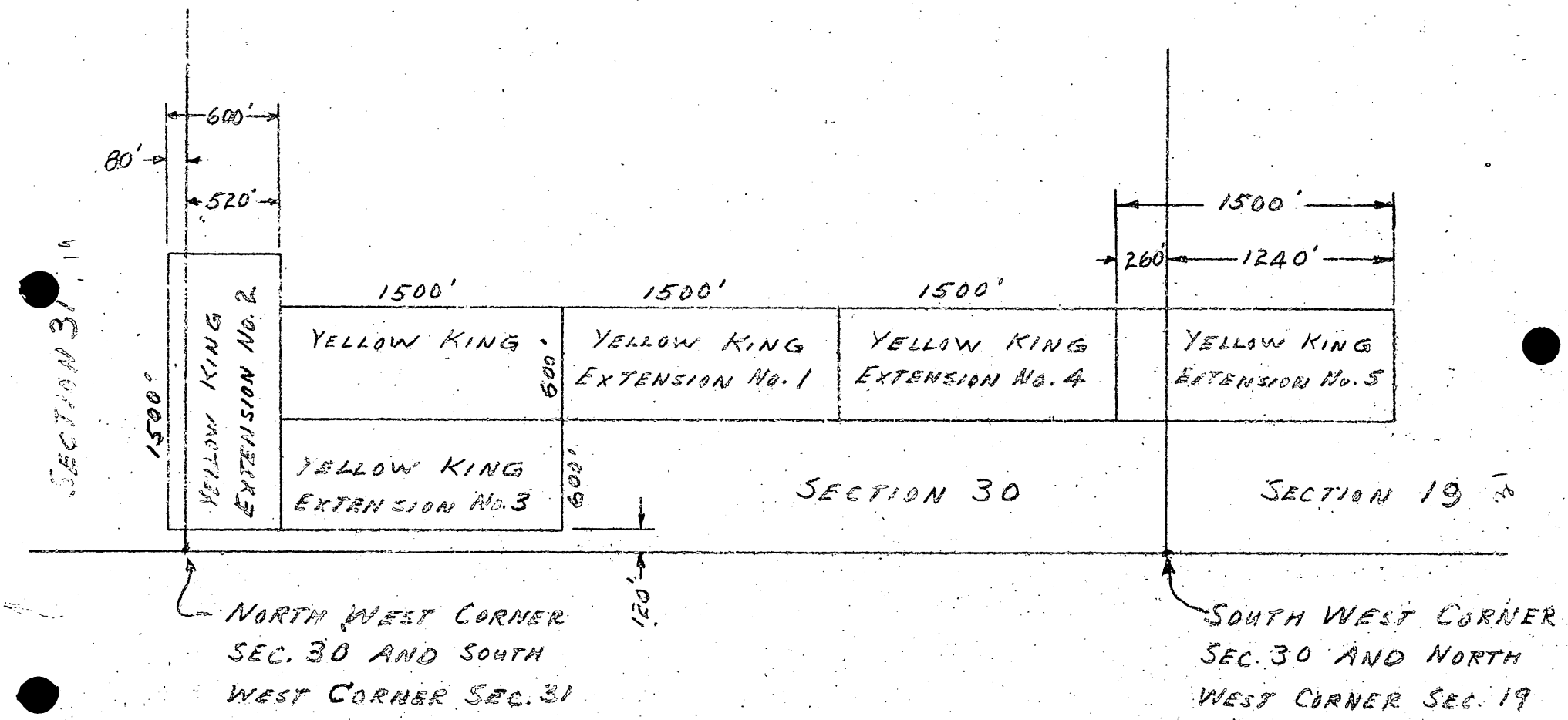
6. (d) Air compressor, jackhammer, hose, steel, etc. Car owned by W. A. Whitehead and William R. Whitehead and will be used at allowance of $250.00 per mo.

7. (b) By furnishing use of equipment, labor and money.

In addition to assay reports enclosed herewith, the Chemistry Instructor at the Dixie College in St. George, Utah, assayed samples. Two from pit "B" showed 12 lbs. per ton and 44 lbs. per ton. Also two from Pit "A" showed 5 lbs. per ton and one showed 132 lbs. per ton.
We made many tests with a small retort and got small beads of mercury when the assay said none. In all cases we got more mercury from retort tests than the assay showed.

We were told by the workers of Rare Metals Corp. of America at their plant near Weiser, Idaho, that they got over 10 per cent more mercury than the assays showed. Their office here at Salt Lake told W. A. Whitehead when the assay showed 3 lbs. per ton that they averaged 3.6 lbs. per ton.

The assays herewith enclosed were taken to test when doubtful but we did not have samples assayed when we know about what they would run by past experience.



MAP SHOWING YELLOW KING MINING CLAIMS IN SECTIONS 30, 31 AND 19, TOWNSHIP 42 SO. RANGE 14 WEST. SALT LAKE MERIDIAN

WHITEHEAD AND ADAMS YELLOW KING MINING Co.
285 "F" STREET SALT LAKE CITY, UTAH

P. O. BOX 169
165 SOUTH WEST TEMPLE ST.

CERTIFICATE OF ASSAY

BLACK & DEASON

ASSAYERS AND CHEMISTS

TELEPHONE EM 3-2563

~~W. A. Whitehead~~

205 "F" Street Salt Lake City, Ut.

SALT LAKE CITY 10, UTAH, July 16, 1955

ASSAY PER TON OF 2000 POUNDS

NAME	NO.	OUNCES GOLD	VALUE GOLD PER TON	SILVER OUNCES	WET LEAD ~~[illegible]~~ Mercury %	COPPER %	INSOLUBLE %	ZINC %	%	IRON %	%
					0.15						

CHARGES $ 3.00

Ben Deason

TELEPHONE 3-3302

Hand Sample Serial 92489-90

ASSAY REPORT

UNION ASSAY OFFICE, Inc.

J. V. SADLER, President
A. C. SELBY, Vice-Pres. & Treas.
A. C. SELBY, JR., Secretary

Salt Lake City 10, Utah

Mine W. A. Whitehead

285 "F" STREET SALT LAKE CITY, UT.

May 5, 1955

RESULTS PER TON OF 2000 POUNDS

NO.	GOLD Ozs. per Ton	SILVER Ozs. per Ton	LEAD Per Cent Wet	~~MERCURY~~ Hg Per Cent	INSOL. Per Cent	ZINC Per Cent	SULPHUR Per Cent	IRON Per Cent	LIME Per Cent	Per Cent	Per Cent	VALUE GOLD
1				14.16	35.30 #							
2				0.04	0 #							

A. C. Selby.

P. O. BOX 1888
165 SOUTH WEST TEMPLE ST.

CERTIFICATE OF ASSAY

TELEPHONE 3-2563

BLACK & DEASON

ASSAYERS AND CHEMISTS

W. A. Whitehead
285 "F" STREET _ Salt Lake City, UT.

SALT LAKE CITY 10, UTAH, Oct. 28, 1955

ASSAY PER TON OF 2000 POUNDS

NAME	NO.	GOLD OUNCES	VALUE GOLD PER TON	SILVER OUNCES	~~LEAD %~~ Mercury	~~COPPER~~ %	INSOLUBLE %	ZINC %	%	IRON %	%
					0.2						

CHARGES $ paid

P. O. BOX 1888
165 SOUTH WEST TEMPLE ST.

CERTIFICATE OF ASSAY

BLACK & DEASON

ASSAYERS AND CHEMISTS

TELEPHONE 3-2563

SALT LAKE CITY 10, UTAH, February 18, 1956

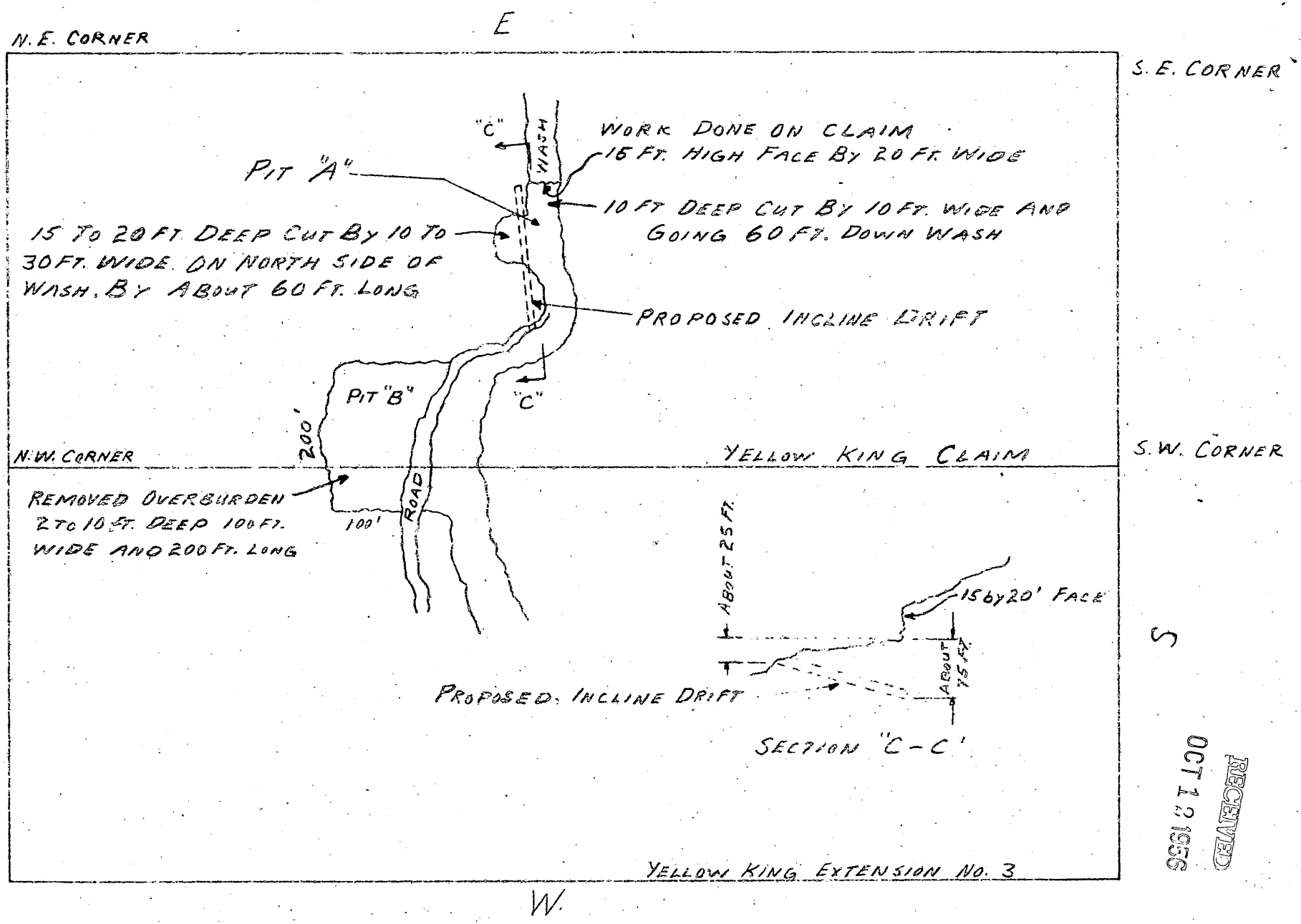
W. A. Whitehead
205 F' STREET Salt Lake City, UT.

ASSAY PER TON OF 2000 POUNDS

NAME	NO.	GOLD OUNCES	VALUE GOLD PER TON	SILVER OUNCES	LEAD %	COPPER %	INSOLUBLE %	ZINC %	%	IRON %	%
					Mercury						
	#1				0.10						
	#2				None						
Hi Grade	#3				0.10						

CHARGES $ 6.00 paid L K

B. W. Deason



RECEIVED
OCT 12 1956

MAP SHOWING WORK THAT HAS BEEN DONE ON YELLOW KING AND YELLOW KING EXTENSION NO. 3, ALSO PROPOSED INCLINE DRIFT

WHITEHEAD AND ADAMS YELLOW KING MINING CO.
285 "F" STREET SALT LAKE CITY, UTAH