DMEA Form 18
Feb. 58

DEFENSE MINERALS EXPLORATION ADMINISTRATION

ANALYSIS OF SEMIANNUAL REPORT OF CERTIFIED PROJECT

Prepare in duplicate. File original in Official Docket. Send copy

To: Statistics Branch (Code 210)

From: Division of **Iron and Ferro-Alloys**

Report Period **1.1-6.30.57**

DMEA No.	Operator	Contract No.
2292	**American Alloy Metals, Inc.**	**Idm-E247**

ORE ESTIMATES

	Tons	Analysis
DMEA	**942,812 ***	**0.351 % WO_3 ***
Operator to date	**170,347**	**0.351 " " ****
Total	**1,113,159**	**0.351 " "**
Production to date	**714,154 *****	**0.351 " " *****
Ore in ground	**399,005 *****	**0.351 " "**

INVESTMENT

Type	Size		Feet	Cost
Shafts				
Winzes				
Drifts and Crosscuts	**7' x 9'**		**450**	**$16,000.**
Raises				
Drilling	Type **Wagon**		**11,667**	**22,262.50**
Rehabilitation	Description			

FACILITIES

Mine Plant	**Mine plant and equipment** **Miscellaneous equipment**	**225,000.** **75,000.**
Mill	**Mill plant and improvements, 900 tons/day capacity**	**425,000.**
Roads	**Road construction and rehabilitation**	**22,000.**

REMARKS

* **Corrected "Official" ore reserve and grade from F. E. Johnson, 2.21.58**

** **Field Team report does not show grade of increase by Operator. Assumed same as "Official" grade.**

*** **Production reported, and ore in ground, adjusted to "Official" grade.**

Reports combined, as to production and investment, with Docket 1951.

Prepared by Stephen P. Holt Date **1.31.58**
(rev. 3.24.58)

31398

United States Department of the Interior

GEOLOGICAL SURVEY
RESTON, VA. 22092

February 14, 1979

Mr. Charles P. Seel
Utah International, Inc.
818 Burlington Avenue
Missoula, Montana 59801

Re: DMEA-2292 (Tungsten)
American Alloy Metals, Inc.
Browne's Lake Deposit (Ivanhoe Claim)
Beaverhead County, Montana
Amended Contract No. Idm-E247
(and E105 and E127)

Dear Mr. Seel:

This is in reply to your letter of January 31, 1979, requesting copies of certain material from the subject docket.

Before we can release to you any of the material requested and as mentioned to you previously by Mr. J. W. Hasler, we would appreciate receiving a copy of the grant deed from Minerals Engineering Company assigning certain mining claims to the General Electric Company. Also, we should have evidence that Utah International, Inc., is a subsidiary of General Electric Company--a letterhead, annual report or other document showing this fact would suffice.

With reference to a map showing the Ivanhoe patented mining claim and adjoining claims, we have a map showing the Ivanhoe and a Lost Copper claim, but a Lost Copper No. 2 claim is not shown. The DMA and DMEA program under which the Federal government assisted in exploring this property, did not require submittal of certified surveys of land incorporated in exploration contracts. Maps and descriptions of claims were accepted as submitted in most instances. Field examiners occasionally spot checked some locations, but DMA-DMEA records and maps of lands and claims would not be acceptable legal documents for land or claim locations unless they were copies of official surveys. The Federal mineral surveyor's plat of the patented claim is the legal document you should obtain although it may not show or describe any part of adjoining or nearby unpatented claims.

Upon receipt of a copy of the grant deed and evidence of the affiliation of Utah International, Inc., with the General Electric Company, which will demonstrate to us that valid interest in the property has been acquired, we will proceed as follows to make the information requested available to you.

The reports, maps, and other material shown on the enclosed list will be sent to:

Cooper-Trent Division
Keuffel & Esser Co.
Wilson Boulevard at Danville Street
Arlington, Virginia 22201
Attention: Mr. Marvin Mundy

Cooper-Tent will contact you regarding the cost of reproductions. You then may order copies of any item listed by indicating on the list what you want and sending the enclosed copy of this list to Cooper-Trent. All future correspondence relating to procurement of copies should be with Cooper-Trent rather than with this office.

Prints of some of the maps and sections have been colored and some are not good quality prints so copies may be poor.

Sincerely yours,

Harold Kirkemo

Harold Kirkemo, Chief
Office of Minerals Exploration

Enclosure

List of reports and maps, DMEA-2292

Description	No. of maps	Size
Operator's Final Report, Report on the tungsten occurrences-- Brown's Lake, Montana (includes 3 pages of ore reserve data)	9	8½" x 11"
Operator's letter of November 8, 1954 transmitting Final Report	3	8½" x 11"
Log of D.D.H. 16 and assays	1	8½" x 11"

Maps

Plate			
1.	Claim map	1" = 1,000'	10" x 13½"
2.	Geologic sketch map of Browne's Lake area	2" = 1 mile	9½" x 14"
3.	Geologic sketch map of Ivanhoe Tungsten deposit	1" = 200'	11" x 14½"
4.	Geologic map of the open pit, Ivanhoe Tungsten deposit	1" = 50'	18¼" x 27"
5.	Detail Structure Section of Ivanhoe Open Pit along Line A-A'	1" = 20'	17½" x 25"
6.	Detail Structure Section of Ivanhoe Open Pit along Line B-B'	1" = 20'	21' x 27"
7.	Detailed Longitudinal Structure Section of Ivanhoe Open Pit	1" = 20'	15" x 40"
	Topography-Ivanhoe Area shows locations of Drill holes 1-5, 10 and 11	1" = 50'	20" x 45"

Fig. 1.	Cross Section No. 1 & 4 holes	1" = 50'	8½" x 11"
Fig. 2.	Cross Section No. 2, 5, & 3 holes	1" = 50'	9" x 10½"
Fig. 3.	Cross Section No. 10 hole	1" = 50'	8½" x 11"
Fig. 4.	Cross Section No. 11 hole	1" = 50'	8½" x 11"
Fig. 5.	Nos. 1 & 2 workings showing sample locations and assays	1" = 20'	10" x 12"
Fig. 6.	No. 3 working showing sample locations and assays	1" = 20'	10" x 11½"
Fig. 7.	No. 4 working showing sample locations and assays	1" = 20'	10" x 11½"
Fig. 8.	Cross Section--West Side Open Pit.	1" = 2'	8½" x 11"
Surface and workings, East End Ivanhoe Claim		1" = 20'	25" x 34"
Section A-A' through Granite Adit		1" = 20'	14" x 23"
Section B-B' through D.D. Hole 11		1" = 20'	19" x 24"
Section C-C' through D.D. Hole 10 and West Workings		1" = 20'	18" x 24"
Section through D.D.H. 16 and 16A		1" - 20'	8" x 10½"
Geologic Section through incline raise		1" = 20'	16" x 24"
Plan and Section through incline showing samples		1" = 20'	21" x 24"

UTAH INTERNATIONAL INC.
MINERAL EXPLORATION
818 BURLINGTON AVENUE · MISSOULA, MONTANA 59801

January 31, 1979

Mr. Harold Kirkemo, Chief
Office of Mineral Exploration
U.S.G.S. Natural Center
Mail Stop 953
Reston, VA 22092

Re: Ivanhoe & Fluorescent Claim Group
Beaverhead County, Montana

Dear Mr. Kirkemo:

During late 1972, General Electric Company acquired - via grant deed - an assignment from Minerals Engineering Company of Denver, Colorado, certain mining claims in the Lost Creek (Vipond) mining district, Beaverhead County, Montana.

During 1951-52, the subject property was explored under a DMEA loan to American Alloy Metals, Inc., as DM-148X contract IDM-E105 and, subsequently, as DM-151X contract IDM-E127.

This office of Utah International, Inc. (wholly owned subsidiary of General Electric Company) is in urgent need of property and claim maps of the area, with particular reference to the Ivanhoe patented claim and its relationship to the adjoining Lost Copper #2 and Lost Copper claim to the east. Less urgent are geologic maps, sections and descriptions of the deposit. Bill Hasler in Denver has indicated that the requested information is available through you at our cost.

Your attention to this matter would be greatly appreciated.

Very truly yours,

Charles P. Seel

Charles P. Seel

CPS/bs

Utah International Inc.
818 Burlington
Missoula, Montana 59801

MISSOULA, MT

Mr. Harold Kirkemo, Chief
Office of Mineral Exploration
U. S. G. S. Natural Center
Mail Stop 953
Reston, VA 22092

OFFICIAL FILE COPY

Date	Surname	Code
4/14	Fisher	800
4/14	Talbert	800
4/14	Martin	400
4/14	Martin	130
"	Johnson	100
4/15	C	~~215~~ 220
		400

APR 14 1959

9/12

MCQ

Office of Minerals Exploration
1490108, Salaries and Expenses,
INTERIOR, 1959

Via Telatype

Mr. A. E. Weissenborn, Executive Officer, OME Field Team, Reg. I
South 157 Howard Street
Spokane, Washington

Re your telephone conversation with Kiilsgaard on Docket DMEA-2292, American Alloy Metals, Inc., we concur with addition of postscript to Internal Revenue letter relative to agreement with Minerals Engineering Company.

W. S. Martin
ACTING Chairman, Operating Committee, OME (215)

APPROVED:

G. H. Josephson
Member, Bureau of Mines

Member, Geological Survey

EDTalbert/GMcC
April 14, 1959

cc: Docket
Director's Reading File
Operating Committee
T. H. Kiilsgaard
R. Holliday
CA & A Division

43683

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION
~~WASHINGTON 25, D.C.~~

Your refs: DIR:DFM:AJF
Eng:MAJ:rbj

So. 157 Howard Street
Spokane 4, Washington

Mr. George H. Allen
District Director
Internal Revenue Service
U. S. Treasury Department
Denver 2, Colorado

Re: Minerals Engineering Company
Grand Junction, Colorado

Dear Mr. Allen:

The following is the information you requested in your letter of March 23, 1959, regarding the Brown's Lake and Lost Creek contracts with the Defense Minerals Exploration Administration. The Office of Minerals Exploration is the successor agency to DMEA.

Three separate exploration project contracts were entered into by DMEA relating to the Brown's Lake property.

The first contract, Idm-2105, dated August 1, 1951, was made with Brown's Lake Tungsten Company which assigned the interest to American Alloy Metals, Inc. on August 28, 1951. The second contract, Idm-2127, dated August 24, 1951, was with the latter company. Work under these two contracts was performed during the months of August, 1951, to November, 1951.

The third contract, Idm-2247, dated January 29, 1952, was with American Alloy Metals, Inc., and was superseded by an Amended Contract bearing the same number and with the same company, dated January 12, 1953, but effective January 29, 1952. The exploration work under this contract was discontinued in April, 1953, and the contract was formally terminated on November 19, 1953; however, disposal of salvable property acquired in connection with the work was not accomplished until June, 1954, and final payment was made to the company in December, 1954.

An agreement dated October 1, 1952, with American Alloy Metals, Inc. stated that the land which was the subject of each of the three contracts was the same, or substantially the same. It was agreed further that the first two contracts would be treated as one for the purpose of accounting, terminating, and winding up and that the land described in all three contracts and the

production therefrom would be subject to the Government's royalty. The acceptable costs and the Government's payments to the company on a 75 percent basis under these three contracts were as follows:

Contract No.	Acceptable Costs	Government's Payments
Ida-F105 and F-127	$30,838.17	$23,128.63
Ida-F247	58,300.23	43,725.17
Totals	$89,138.40	$66,853.80

The Government's participation in the costs under these three contracts was repaid in full during the calendar years 1954 and 1955, as follows:

1954	$62,725.70
1955	4,128.10
Total royalty paid	$66,853.80

The Lost Creek contract Ida-F300 was signed with Minerals Engineering Company on April 17, 1952 and was terminated on May 18, 1954. The amount contributed by the Government was $50,212.51 or 75 percent of the total approved costs vouchered. Repayments to the Government from royalty have been as follows:

1954	$ 175.94
1956	6,028.57
1957	444.35
Total royalty received	$ 6,648.86
Royalty due Gov't. from future production	$43,563.65

Royalty payments are up to date; no further payments are due the Government until or unless more ore is produced.

Sincerely yours,

A. K. Weissenborn
Executive Officer, OME
Field Team Region I

cc: OME (3)
USBM (2)
USBM (AD)

[illegible] 28, 1953, American Alloys entered into an agreement with Minerals Engineering.
(Brown Sole)
Why was this deleted?
Add - paragraph ... with this sentence.
[illegible]

Note from Kiilsgaard 4/14/59
WSM

Was this sentence deleted for a specific purpose?
Could it now be expressed in the letter?

On April 28, 1953, American Alloys Metals, Inc entered into an agreement with Minerals Engineering to operate the Brown Sole Tungsten mine.

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION
~~WASHINGTON 25, D.C.~~

Your ref: DIR:DEN:A:F
Eng:MAK:pbj

So. 157 Howard Street
Spokane 4, Washington

Mr. George H. Allan
District Director
Internal Revenue Service
U. S. Treasury Department
Denver 2, Colorado

Re: Minerals Engineering Company
Grand Junction, Colorado

Dear Mr. Allan:

The following is the information you requested in your letter of March 23, 1959, regarding the Brown's Lake and Lost Creek contracts with the Defense Minerals Exploration Administration. The Office of Minerals Exploration is the successor agency to DMEA.

Three separate exploration project contracts were entered into by DMEA relating to the Brown's Lake property.

The first contract, Idm-E105, dated August 1, 1951, was made with Brown's Lake Tungsten Company which assigned its interest to American Alloy Metals, Inc. on August 20, 1951. The second contract, Idm-E127, dated August 24, 1951, was with the latter company. Work under these two contracts was performed during the months of August, 1951, to November, 1951.

The third contract, Idm-E247, dated January 29, 1952, was with American Alloy Metals, Inc., and was superseded by an Amended Contract bearing the same number and with the same company, dated January 12, 1953, but effective January 29, 1952. The exploration work under this contract was discontinued in April, 1953, and the contract was formally terminated on November 19, 1953; however, disposal of salvable property acquired in connection with the work was not accomplished until June, 1954, and final payment was made to the company in December, 1954.

An agreement dated October 1, 1952, with American Alloy Metals, Inc. stated that the land which was the subject of each of the three contracts was the same, or substantially the same. It was agreed further that the first two contracts would be treated as one for the purpose of accounting, terminating, and winding up and that the land described in all three contracts and the

Form 7

OFFICIAL FILE COPY

Date	Surname	Code
4/6	Fisher	800
4/6	Talbut	800
4/6	Holt	400
4/6	Martin	400
4/7	[illegible]	130
4/8	[illegible]	100
4/8	C	220

400

APR 7 1959

Memorandum

To: Executive Officer, OME Field Team, Region I

From: Chairman, Operating Committee, OME

Subject: Docket No. DMEA-2292 (Tungsten)
American Alloy Metals, Inc.
Brown's Lake Property
Beaverhead County, Montana
Contract No. Idm-E247
and
Docket No. DMEA-2440 (Tungsten)
Minerals Engineering Company
Lost Creek Mine
Beaverhead County, Montana
Contract No. Idm-E300

The proposed letter to George H. Allen, District Director, Internal Revenue Service, Denver, Colorado, accompanying your letter dated March 27, 1959, has been rewritten by this office so as to incorporate therein corrections and additional information as follows:

(1) The date of Contract Idm-E127 has been corrected to August 24, 1951.

(2) The reference to Contract Idm-E247 has been corrected to show the date of the original contract in addition to the date of the Amended Contract bearing that number.

(3) Reference is made to the agreement dated October 1, 1952, whereby two of the contracts were combined and the royalty provision was made applicable to the land described in the three Brown's Lake contracts.

(4) Royalty repayments under Contract Idm-E247 during 1954 and 1955 have been changed to $62,725.70 and $4,128.10, respectively, for the reason that the payment deposited on January 4, 1955, was covered by the Operator's Check No. A-6821 dated November 30, 1954, and received in U.S.G.S. Office, Spokane, Washington, on December 6, 1954.

8623

If you agree with the letter as rewritten, you should sign, date, and forward the original directly to Mr. Allen and make your usual distribution of the copies.

APPROVED:

George C. Selfridge

esf

(sgd.) G. W. Josephson esf

Member, Bureau of Mines

N. E. Nelson (esf)

Member, Geological Survey

CEFisher/GMcC
April 7, 1959

cc: Docket No. 2292 and Docket No. 2440
Director's Reading File
Operating Committee
T. H. Kiilsgaard
R. Holliday
Mr. Talbert

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION
So. 157 Howard Street
Spokane 4, Washington

OFFICIAL FILE COPY
O. M. E.
RECEIVED MAR 30 1959

DATE	INITIALS	CODE
3/30	C	220
3/30	66 Jr	800
3/31	WSOY	400

March 27, 1959

Air Mail

Mr. George C. Selfridge, Chairman
Operating Committee, OME
Department of the Interior
Washington 25, D. C.

Re: Docket No. DMEA-2292 (Tungsten) Idm-E247
American Alloy Metals, Inc.
Brown's Lake property
and
Docket No. DMEA-2440 (Tungsten) Idm-E300
Minerals Engineering Company
Lost Creek Mine
Beaverhead County, Montana

Dear Mr. Selfridge:

Enclosed are three copies of a letter dated March 23, 1959 received from Mr. George H. Allan, District Director of the Internal Revenue Service, Denver, Colorado, together with the original and OME's copies of my reply.

We have compiled the pertinent information but because this request concerns fiscal information from our Brown's Lake and Lost Creek contracts, I feel the reply should be routed through the Operating Committee and Mr. Chambers' office, rather than be sent direct to Mr. Allan.

If it meets with your approval, will you please date stamp the letter and air mail it to Mr. Allan.

Sincerely yours,

A. E. Weissenborn

A. E. Weissenborn
Executive Officer, OME
Field Team Region I

Enclosure

cc: USBM (2)
USBM(AD)

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION
So. 157 Howard Street
Spokane 4, Washington

Your ref: DIR:DEN:A:F
Eng:MAK:pbj

Mr. George H. Allan
District Director
Internal Revenue Service
U. S. Treasury Department
Denver 2, Colorado

Re: Minerals Engineering Company
Grand Junction, Colorado

Dear Mr. Allan:

The following is the information you requested in your letter of March 23, 1959, regarding the Brown's Lake and Lost Creek contracts with the Defense Minerals Exploration Administration. The Office of Minerals Exploration is the successor agency to DMEA.

The Brown's Lake contract (Idm-E247) was signed on January 12, 1953 with American Alloy Metals, Inc., not Minerals Engineering Company. This contract consolidated with it two previously existing contracts which covered separate tracts of ground--Contract Idm-E105 with Brown's Lake Tungsten Company (dated August 1, 1951) and assigned on August 20, 1951 to American Alloy Metals, and Contract Idm-E127 with American Metals, Inc. (dated August 20, 1951). On April 28, 1953, American Alloy Metals entered into an agreement with Minerals Engineering Company by which the latter agreed to complete the DMEA contract and assume responsibility for payment of royalty due the Government under the terms of the contract.

The contract was terminated on November 19, 1953. The total approved costs vouchered under the three contracts was $89,138.40 and the Government's contribution was 75 percent of this or $66,853.80. Repayment of the amount due the Government was as follows:

1954	$50,225.70
1955	16,628.10
Total royalty paid	$66,853.80
Balance due Gov't	None

The Lost Creek contract Idm-E300 was signed with Minerals Engineering Company on April 17, 1952 and was terminated on May 18, 1954. The amount contributed by the Government was $50,212.51 or 75 percent of the total approved costs vouchered. Repayments to the Government from royalty have been as follows:

1954	$ 175.94
1956	$ 6,028.57
1957	444.35
Total royalty received	$ 6,648.86
Royalty due Gov't from future production	$43,563.65

Royalty payments are up to date; no further payments are due the Government until or unless more ore is produced.

Sincerely yours,

A. E. Weissenborn

A. E. Weissenborn
Executive Officer, OME
Field Team Region I

U. S. TREASURY DEPARTMENT
INTERNAL REVENUE SERVICE
DISTRICT DIRECTOR
DENVER 2, COLORADO

March 23, 1959

IN REPLY REFER TO
DIR:DEN:A:F
Eng:MAK:pb

Office of Minerals Exploration
South 157 Howard
Spokane 4, Washington

Re: Minerals Exploration Company
Grand Junction, Colorado

Gentlemen:

This office is currently conducting an income tax audit of the above-named taxpayer. It is understood that this company and the DMEA entered into an exploration contract in connection with two of its Montana tungsten operations - Brown's Lake and Lost Creek.

This office is interested in obtaining the following information regarding these contracts:

(1) The date the contracts were signed.

(2) The date work under the contracts was completed.

(3) The percent of Government participation, and the dollar amount.

(4) The repayments made by years, and the present balance due, if any.

This information is, of course, for official Internal Revenue Service use only, in connection with our audit. Your prompt attention to this matter will be appreciated.

Very truly yours,

George H. Allan
District Director

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O. M. E.
RECEIVED MAR 30 1959

DATE	INITIALS	CODE

DMEA
RECEIVED JAN 27 1958

DATE	INITIALS	CODE
1-28	C	220
28	Cru	100

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

SEMI-ANNUAL REPORT OF CERTIFIED PROJECT

Reporting period: July 1 to December 31, 1957

Date of report: December 16, 1957

Operator: American Alloy Metals, Inc., 1 Montgomery St., San Francisco 4, Calif.

Mine name: Brown's Lake Tungsten Deposit

County and State: Beaverhead County, Montana

Docket number and commodity: DMEA-2292 (tungsten)

Contract number: Idm-E247 and E105 and E127 combined

Property inactive. No change in royalty status since report of January 1 to June 30, 1957.

Mr. Craig, general manager, was contacted at the mill and he stated that the Brown's Lake property has not worked since February 1957.

Mr. Craig also stated that the Red Button mine at Calvert Creek near Wise River, Montana, was shut down during September 1957. He estimated that the Red Button mine was mining 500 tons of 0.88% WO_3 per day before closing.

Signed: George T. Krempasky (Engineer)

Distribution:
DMEA (4)
USGS (2)
USBM (AD)
USBM (2)

2292

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

SEMI-ANNUAL REPORT OF CERTIFIED PROJECT

Reporting period: January 1 to June 30, 1957 Date of exam: May 28, 1957

Operator: American Alloy Metals, Inc., 1 Montgomery St., San Francisco 4, Calif.

Mine name: Brown's Lake Tungsten Deposit

County and State: Beaverhead County, Montana

Docket number and commodity: DMEA-2292 (tungsten)

Contract number: Idm-E247 and E105 and E127 combined

Date of contract: January 12, 1953 (as amended)

Date of certification: November 17, 1954

Expiration date of royalty payments: January 12, 1963

Total amount of contract: $122,197.80

Total expenditures under contract: 89,138.40

Amount of Government participation at 75%: 66,853.80

Royalty payments this period: none

Previous royalty payments: $66,853.80

Total royalty payments to date: $66,853.80

Percent of Government participation repaid: 100%

Royalty due on production to date: none

Royalty remarks: none

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DMEA
RECEIVED JUL 11 1957

DATE	INITIALS	CODE
7/11	P.K.	220
12	Com	100

ACTION ON INTERIM
OR FINAL FIELD TEAM REPORT

Date 7/11

Referred to:

1. ~~Mr. Mittendorf~~
2. ~~Mr. Johnson~~
3. ~~Mr. Chambers~~
4. Docket Control Mails and Files
5.
6. ~~Docket Control Mails and Files~~ Division

Note comments in report regarding:

1. Confusing reserve data.
2.
3. Interesting note
4. re: Red Buttons Mine

and take appropriate action.

- - - - - - - - - -

Action taken by Division:

Robert R. K Adams

	Tons	Analysis
Original estimate of DMEA reserves (from Field Team final report) Mines ___ Survey ___ Joint X	642,812 tons proved and probable 300,000 tons possible	0.351% WO_3
Revised estimate of DMEA reserves (Field Team) Mines ____ Survey ___ Joint ___	813,159 tons proved and probable	0.20-0.48% WO_3
	The company estimates a reserve of 188,052 tons of 0.23% WO_3 as of June 1957	
Increase of reserves by work performed subsequent to DMEA project work	170,347 tons proved and probable	
Production of DMEA ore (this period)	none	
(previous)	132,292	0.48% WO_3
(to date)	132,292	0.48% WO_3

Above DMEA production figures arbitrarily assumed as the amount necessary to pay off the DMEA loan. There is no way to differentiate between DMEA ore and non-DMEA ore.

Production of Operator's ore found subsequent to DMEA work		
(this period)	19,845	0.23% WO_3
(previous)	472,970 (corrected)	0.39% WO_3
(to date)	492,815	0.38% WO_3

Percent of revised reserves mined: 71.6%

Production remarks: Mr. Craig, general manager, stated that the Brown's Lake Tungsten mine is too low in grade to mine at the present price of tungsten on the world market. The company discontinued mining about the 1st of February 1957 because the Federal Government stopped buying concentrates under the stockpiling program. There is a 4,347 ton stockpile of mine ore at the mill.

Production remarks (continued):

It is the opinion of the engineer that the increased interest in tungsten in the area because of the development of the Brown's Lake deposit by Minerals Engineering Co. resulted in the discovery of the Red Button mine; this was confirmed by Mr. Craig. The Red Button mine was shut down on February 2, 1957 but was reactivated on May 1, 1957. It is now producing about 500 tons of ore per day containing 0.88% WO_3. About 45 men are employed at the mine and mill. On May 1, 1957, the reserves of the mine were estimated by the company to be 412,000 tons of proven ore with a grade of 1.06% WO_3. Trucking from the mine to the mill at Glen is under contract to an outside contractor.

INVESTMENT DATA

All investment data is the same as reported for the period of July 1 to December 31, 1956 with the following exception:

Drilling

Wagon drill	11,667 feet	$22,262.50 (cost)

Distribution:
DMEA (4)
USGS (2)
USBM (AD)
USBM (2)

Signed: Eldon C. Pattee (Engineer)

American Alloy Products Inc.
DMR QG - 2292. Contract No. 10M-E 247

Interim Report July 1, to Dec. 31, 1955

Estimated investments.

Cost of Mill (750 TON/DAY)	225,000.00
Improvements to Mill	200,000.00
Mng. Equipment (including truck for transportation)	225,000.00
Office Equipment	75,000.00
Road construction and rehabilitation	22,000.00
	$ 747,000.00

2292

ACTION ON INTERIM
OR FINAL FIELD TEAM REPORT

Date 1-22

Referred to:

1. ~~Mr. Mittendorf~~
2. ~~Mr. Johnson~~
3. ~~Mr. Chambers~~
4. ~~Docket Control Mails and Files~~
5. ~~Oil & Gas Valuation~~ Division
6. Docket Control Mails and Files

Note comments in report regarding:

1. Ore reserve data — Does not check
Investment data
2. Indirect benefits (Red Button)
3. Follow use of field reserve data in report
4.

and take appropriate action.

- - - - - - - -

Action taken by Division:

Memo prepared

Robert E. Adams

RECEIVED
JAN 22 1957
D.M.E.A.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

SEMI-ANNUAL REPORT OF CERTIFIED PROJECT

Reporting period: July 1 to December 31, 1956 Date of exam: Dec. 17, 1956

Operator: American Alloy Metals, Inc., 1 Montgomery St., San Francisco 4, Calif.

Mine name: Brown's Lake Tungsten Deposit

County and State: Beaverhead County, Montana

Docket number and commodity: DMEA-2292 (tungsten)

Contract number: Idm-E247 and 105 and 127 combined

Date of contract: January 12, 1953 (as amended)

Date of certification: November 17, 1954

Expiration date of royalty payments: January 12, 1963

Total amount of contract: $122,197.80

Total expenditures under contract: $ 89,138.40

Amount of Government participation at 75%: $ 66,853.80

Royalty payments this period: none

Previous royalty payments: $66,853.80

Total royalty payments to date: $66,853.80

Percent of Government participation repaid: 100%

Royalty due on production to date: none

Royalty remarks: none

Semi-annual report
Contract Idm-E247

	Tons	Analysis
Original estimate of DMEA reserves (from Field Team final report) Mines ___ Survey___ Joint___	Report not completed to date	?
Revised estimate of DMEA reserves (Field Team) Mines ___ Survey___ Joint___	Company estimates as of 6/1/54 642,812 tons	0.351% WO_3
Increase of reserves by work performed subsequent to DMEA project work	Company estimates as of 1/1/56 500,000 tons	
Production of DMEA ore (this period)		
(previous)		
(to date)	132,292 tons	0.48%
Production of Operator's ore found subsequent to DMEA work (as of Nov. 30, 1956) (this period)	105,739 tons	0.29%
(previous)	348,573 tons	0.42%
(to date)	454,312 tons	0.39%

Percent of revised DMEA reserves mined: 20.6% as of Nov. 30, 1956

(Note: Production figure for DMEA ore is arbitrarily assumed as the amount necessary to pay off the DMEA loan. There is no way to differentiate between DMEA ore and non-DMEA ore.)

Production remarks: Mr. Craig stated that if the Government's buying program is suspended, Brown's Lake tungsten mine would not be able to produce tungsten economically with the present price of tungsten on the world market.

The present grade being mined from Brown's Lake is 0.29% with a cut-off at 0.25%. It is noted that when the price was $63/unit they held a cut-off grade at 0.20% WO_3.

It is the opinion of the engineer that the Red Button mine being operated by Minerals Engineering Co. is an indirect result of the DMEA participation at Brown's Lake. The introduction of this company to Montana's tungsten deposit has brought about extensive prospecting by individuals who have made information obtained available to Minerals Engineering.

Semi-annual report
Contract No. Idm-E247

Production remarks (continued):

The Red Button mine is mining approximately 450 tons per day having a grade of 1.0% - 1.05%. The employment status of this mine comprises 10 men at the pit and for road maintenance. Trucking from Red Button to the mill at Glen is under contract to an outside contractor. Employment fluctuates with production.

Minerals Engineering Co. employs 100-140 men at Brown's Lake and the Glen mill.

INVESTMENT DATA

Shafts - none

Winzes - none

Drifts and Crosscuts		
Size	Feet	Cost
7'x9'	450 feet	$16,000

Raises - none

Drilling - Wagon drill	10,237 feet	$20,475

Rehabilitation - none

Facilities

Mine Plant	
Open pit operation	
Mining equipment	
Trucks for transporation of ore and misc. equipment	$300,000
Mill	
900 ton capacity	$425,000
Roads	
Dirt, one-way with passing sidings	$22,000

Signed: George T. Krempasky (Engineer)

Distribution:
DMEA (4)
USGS (2)
USBM (AD)
USBM (2)

[illegible] 1956

[illegible] to:

1. ~~Mr. Middendorf~~
2. ~~Mr. Johnson~~
3. ~~Mr. Winchester~~
4. Docket Control Mails and Files Division
5.
6. Docket Control Mails and Files

Note comments in report regarding:

1. Ore reserves revised.
2.
3.
4.

and take appropriate action.

- - - - - -

Action taken by Division:

Initials

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

RECEIVED
JUL 1 9 1956

SEMI-ANNUAL REPORT OF CERTIFIED PROJECT

Reporting period: January 1 to June 30, 1956 Date of exam: June 20, 1956

Operator: American Alloy Metals, Inc., 1 Montgomery Street, San Francisco 4, Calif.

Mine name: Brown's Lake Tungsten Deposit

County and State: Beaverhead County, Montana

Docket number and commodity: DMEA-2292 (tungsten)

Contract number: Idm-E247,(105 and 127 combined)

Date of contract: January 12, 1953 (as amended)

Date of certification: November 17, 1954

Expiration date of royalty payments: January 12, 1963

Total amount of contract: $122,197.80

Total expenditures under contract: $ 89,138.40

Amount of Government participation at 75%: $ 66,853.80

Royalty payments this period: none

Previous royalty payments: $66,853.80

Total royalty payments to date: $66,853.80

Percent of Government participation repaid: 100%

Royalty due on production to date: none

Royalty remarks: Government participation was repaid by February 4, 1955.

Original estimate of reserves (from final Engr.-Geol. report):	Report not completed as yet. Company estimates as of June 1, 1954:

Proved and probable	Possible
642,812 tons averaging 0.351% WO_3	300,000 tons

Increase (or decrease) of reserves by work performed subsequent to original and last Field Team estimates:	Increase of 230,347 tons of proved and probable ore.
Revised estimate of reserves:	Proved and probable - 873,159 tons containing 0.20% WO_3 to 0.48% WO_3. The company estimates a reserve of 500,000 tons as of January 1, 1956.
Production this period:	Approximately 91,000 tons of ore mined and milled; grade has not been computed.
Amount of previous production (since date of contract):	373,159 tons mined and milled averaging 0.48% WO_3
Total production to date:	464,159 tons milled
Percent of revised reserved mined:	53%

Production remarks:

Minerals Engineering Co., Montana Tungsten Division, P. O. Box 94, Glen, Mont., has taken over the property in a working agreement. The office near the mill was visited June 20, 1956. At that time the mill was shut down. Mr. Niel Roby, mill superintendent, was interviewed June 20, 1956 and the following information was obtained: The mill was shut down May 26, 1956. The company plans to resume mining and milling 750 tons per day if the Government purchasing program is extended.

Other remarks:

The following information was obtained from Mr. Roby: There has been no exploration during the reporting period. The company is stripping waste at the mine. By the 1st of May 1956, 400,000 yards of waste had been stripped.

Distribution:

DMEA (4)	USBM (AD)
USGS (2)	USBM (2)

Signed: Eldon C. Pattee (Engineer)

2292

[illegible] 1956

Date: _____

Information:

1. ~~[illegible]~~
2. ~~[illegible]~~
3. Mr. Chamberlain
4. ~~Docket Control Mails and Files~~
5. ~~Dean & Fosa Oblong~~ Division
6. Docket Control Mails and Files

Note comments in report regarding:

1. Contains important new data on
2. pooled - reserves -
3. & investments
4.

and take appropriate action.

- - - - - -

Action taken by Division:

Noted 4/4/56

_____

Initials

C Wacker

ADDENDUM TO
SEMI-ANNUAL REPORT OF CERTIFIED PROJECT
March 15, 1956

Reporting period: July 1, 1955 to December 31, 1955

Operator: American Alloy Metals, Inc.
One Montgomery Street
San Francisco 4, California

W39

Mine name: Brown's Lake Tungsten Deposit

County and State: Beaverhead County, Montana

Docket No. and Commodity: DMEA-2292 (tungsten)

Contract No.: Idm-E247

Date of Contract: January 29, 1952

Date of Certification November 17, 1954

Expiration Date of Royalty Payments: Royalty account paid up February 4, 1955

Total amount of contract: $122,197.80

Total expenditures under contract: $ 89,138.40

Amount of Government participation at 75%: $ 66,853.80

Royalty payments this period: none

Previous royalty payments: $66,853.80

Total royalty payments to date: $66,853.80

Percent of Government participation repaid: 100%

Royalty due on production to date: none

Royalty remarks: Government participation was repaid by February 4, 1955.

Original estimate of reserves (from final Engr.-Geol. Report):	Company estimate as of June 1, 1954: Proved and probable - 642,812 tons averaging 0.351% WO_3 Possible - 300,000 tons
Increase (or decrease) of reserves by work performed subsequent to original and last Field Team estimates:	Increase of 230,347 tons of proved and probable ore.
Revised estimate of reserves:	Proved and probable - 873,159 tons containing 0.20% WO_3 to 0.48% WO_3. The company estimates a reserve of 500,000 tons as of February 1, 1956.
Production this period (ore or centrates):	144,695 tons of ore were mined and milled averaging 0.48% WO_3.
Amount of previous production (since date of contract):	228,464 tons were mined and milled averaging 0.48% WO_3.
Total DMEA production to date:	132,292 tons milled.
Percent of revised reserves mined:	42%

Production remarks:

Minerals Engineering Company, Montana Tungsten Division, P. O. Box 94, Glen, Montana, has taken over the property in a working agreement. Mr. W. B. Tobey, General Supt., was interviewed March 16, 1956 and the following information was obtained. Approximately 750 tons per day are being mined and milled. The company plans to maintain production for two years if the unit price of tungsten remains above $40 but plans to mine and mill 15,000 tons per month after the present Government tungsten-buying program is completed.

932 812
230, 347
1,162,859
373,159
789,700

Other remarks:

The following information was obtained from Mr. Tobey:

Estimated investments at the property are as follows:

Cost of mill	$225,000.00
Improvements to mill to increase capacity	200,000.00
Mining equipment (including trucks for transporting ore to mill)	225,000.00
Miscellaneous equipment	75,000.00
Road construction and rehabilitation	22,000.00
Total	$747,000.00

A mill with a 400 ton a day capacity was constructed to process ore discovered by the DMEA project. The cut-off grade for mining and milling was 0.25% WO_3. The capacity of the mill was increased to 750 tons per day in the spring of 1955. The cut-off grade was then decreased to 0.20%WO_3, because of the increase of output per man employed at the mill and because of the ability to use larger equipment.

Approximately 100 men are employed at the property. The company has employed up to 140 men.

The company has spent approximately $30,000 on exploration at the property since completion of the DMEA project. The exploration consists of about 450 feet of crosscutting and drifting costing approximately $16,000 and 7,000 feet of wagon drilling costing about $14,000. In addition, they have spent approximately $32,000 on exploration of other tungsten properties within a 50-mile radius of the mill.

Mr. Tobey was reluctant to furnish unit production figures from the property because the records are kept on a monthly basis; therefore, the total units produced would have to be computed. He suggested that this information could be obtained from the General Services Administration or from the U. S. Bureau of Mines, Division of Mineral Industries, Region I, Albany, Oregon.

Signed: Eldon C. Pattee (Engr.)

Distribution:
DMEA (4)
USGS (2)
USBM (AD)
usbm (2)

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UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

SEMI-ANNUAL REPORT OF CERTIFIED PROJECT

Period: January 1, 1955 to June 30, 1955

Docket No.: DMEA 2292 (tungsten) Contract No. Idm-E247

Operator: American Alloy Metals, Inc.
One Montgomery Street
San Francisco 4, California

Name of mine: Brown's Lake Tungsten Deposit

County: Beaverhead State: Montana

Date certified: November 17, 1954 Date of last inspection: See "Remarks"

Contract amount: $122,197.80

Amount spent: $ 89,138.40 Government participation: $66,853.80

Amount repaid to date: 66,853.80

Remarks: No inspection of this property was necessary as the Operator made final payment of $4,128.10 on February 4, 1955, which completed the total payments due the Government under the DMEA contract.

Production Summary:

Period	Wet Dry Wt. (short tons)	WO_3 Content (short ton units)	Gross Value	Govt. royalty (received)
Nov. 15, 1953 to Dec. 31, 1954	96,569	33,248.81	$2,094,493.08	$50,225.70
Jan. 1, 1955 to Feb. 4, 1955	? *	? *	? *	16,628.10
				$66,853.80

*No record of production for the period Jan. 1, 1955 until the total royalty was repaid on Feb. 4, 1955 was furnished by the Operator.

Distribution:
DMEA (4) -- USGS (2) -- USBM (2) -- USBM(AD)

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Defense Minerals Administration
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UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

SEMI-ANNUAL REPORT OF CERTIFIED PROJECT

Period: July 1, 1954 to December 31, 1954

Docket No. DMEA 2292 (tungsten) Contract Idm-E247

Operator: American Alloy Metals, Inc.
One Montgomery Street
San Francisco 4, Calif.

Name of mine: Brown's Lake Tungsten Deposit

County: Beaverhead State: Montana

Date certified: November 17, 1954 Date of last inspection: Jan. 13, 1955
Inspection engineer: J. D. Bardill

Contract amount: $122,197.80

Amount spent: $ 89,138.40 Government participation: $66,853.80

Amount repaid to date: 50,225.70

Reserves: Company estimate as of June 1, 1954:
Proved and probable - 642,812 tons averaging 0.351% WO_3
Possible 300,000 tons

Remarks: Open pit mining was begun on the Brown's Lake orebody October 15, 1953 and has been continuous since that time. During September 1954 a large amount of stripping was done, and excess ore stockpiled at the mill for the winter. Grade of the ore has increased with distance to the east, and it is estimated from ore exposed on the Lost Copper No. 2 claim east of the Ivanhoe that the orebody there will average 0.60% WO_3. Ore on the Lost Copper No. 2, ore exposed by road work, and ore north of Rock Creek were not included in the June 1, 1954 estimate of measured ore. The 300,000 tons of probable ore was estimated from showings exposed during road work.

Ore mined and milled through December 1954 totals 96,569 tons from which 33,249 units of WO_3 were recovered. This is an average of 0.426% WO_3 recovered from ore estimated to average 0.351% WO_3.

Remarks (cont.): In October 1954, commingling of the natural and synthetic shceelite was permitted by GSA which made it possible to raise the grade of the combined concentrate and increased the gross return by approximately $7.00 per unit.

The Ivanhoe claim has been purchased by American Alloy Metals, Inc. from their share of the profits of the operation. Reportedly, American Alloy Metals, Inc. recently sold their entire interest in the mine and mill plant to Minerals Engineering Company.

Repayment of the Government's share of exploration costs has amounted to $50,225.70 as of December 8, 1954. Minerals Engineering Co. has made an agreement whereby the remainder of the amount due will be paid in two installments, completing repayment of the Government's share in February 1955.

Production Summary:

Period	Net Dry Wt. (short tons)	WO_3 Content (short ton units)	Gross Value	Govt. Royalty (received)
Nov. 15, 1953 to July 31, 1954	64,599	21,220.14	$1,336,686.87	$17,588.72
Aug. 1, 1954 to Dec. 31, 1954	31,970	12,028.67	757.806.21	32,636.98
Totals	96,569	33,248.81	$2,094,493.08	$50,225.70

Distribution:
DMEA, Wash. (4)
USGS (2)
USBM (2)
Certifying Officer

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

1201 N. Division St.
Spokane 2, Washington
February 15, 1954

MEMORANDUM

To: DMEA Field Team, Region II

From: John S. McNabb, Jr., Mining Engineer, Bureau of Mines

Subject: Interim report, Docket No. DMEA 2292 (tungsten), Contract Idm-E247, Browne's Lake Mine, American Alloy Metals, Beaverhead County, Montana

DMEA project work has been concluded at the Browne's Lake tungsten mine. A certificate of discovery was issued as a result of the DMEA work.

Open pit mining has been in effect at the subject property since October 15, 1954. Minerals Engineering Company are the mine operators. Production statistics are encouraging, and 200 tons per day are being mined at the present time. Milling problems still plague the operation. Recovery and grade of concentrate have been disappointing. M. N. Shaw, chief metallurgist, Minerals Engineering Company, is presently engaged in experiemental test work at the mill in an effort to improve concentrate grade and recovery.

Tabulation of Browne's Lake Tungsten Mine
Mining and Milling Statistics (an approximation)

Mine Production (Open pit)

Period	Short dry tons mined	Average grade (mine assays)
Oct. 15-Dec. 31, 1953	11,600	.42% WO_3
Jan. 1-Feb. 1, 1954	5,001	.416% WO_3
Total	16,601	.419% WO_3

Mill Production (Flotation and Gravity)

Period	Short dry tons milled	Aver. grade of heads	Est. Aver. grade concen.	Estimated recovery
Dec. 1, 1953-Feb. 1, 1954	6,573	.379% WO_3	3.30% WO_3	60%

Orig. & 3 cys - Wash.
USGS (2)
DMEA
M/D--AD--JSM/he

John S. McNabb, Jr.

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

1201 N. Division St.
Spokane 2, Washington
October 13, 1953

MEMORANDUM

To: DMEA Field Team, Region II

From: John S. McNabb, Mining Engineer, Bureau of Mines

Subject: American Alloy Metals, Browne's Lake Tungsten property, Beaverhead County, Montana, Contract No. Idm-E247, Docket No. DMEA 2292 (tungsten)

The Browne's Lake tungsten mine was visited several times during the past month. Work has been confined exclusively to company operations, including road building and surface stripping preparatory to open cut mining.

Mr. R. N. Roby, engineer in charge for Minerals Engineering Company, the lessees of the property, stated that it is his belief diamond drilling under Contract Idm-E247 will recommence within the next few months. However, he has received no definite instructions from his principals regarding the matter.

John S. McNabb

Orig. & 3 cys - Wash.
USGS (2)
DMEA
M/D
AD
JSM/he

pc

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

WASHINGTON 25, D. C.

1201 N. Division St.
Spokane 2, Washington
July 15, 1953

MEMORANDUM

To: DMEA Field Team, Region II

From: John S. McNabb, Mining Engineer, Bureau of Mines

Subject: Interim report, American Alloys Metals, Inc., Browne's Lake Mine, Beaverhead County, Montana, Contract Idm-E247, Docket No. DMEA 2292 (tungsten)

An interim inspection of the Browne's Lake tungsten property was made in the company of R. N. Roby, Chief Engineer, on July 3, 1953.

Work under the DMEA contract was temporarily suspended in May 1953. Since the date of suspension the American Alloys Metals has entered into an agreement designating the Minerals Engineering Co. of Grand Junction, Colorado, as operators of the Browne's Lake property.

At the present time activity at Browne's Lake is confined to the construction of an access road to the outcrop area of the tungsten deposit. Road building is proceeding from the creek level east of Browne's Lake and from the outcrop area. The roadway has been surveyed on a 10% grade. Approximately 40% of the road work was completed at the time I visited the property. Mr. Roby estimated that the road would be completed by about the middle of August 1953.

Mill construction between the Lost Creek and Browne's Lake properties was reportedly scheduled to begin by July 15, 1953. The Minerals Engineering Co. intends to mine the Browne's Lake ore initially by open cut. They plan to begin to mine the hanging wall portion of the mineralized tactite zone in the vicinity of the DMEA workings by underground stoping during the winter of 1953-1954.

Mr. Roby stated that the Minerals Engineering Co. intends to complete the DMEA drilling program at Browne's Lake as soon as their access road is completed. This will require an amendment extending the time allowable for the completion of the drilling program. It is recommended that such an amendment be considered at such a time as it becomes absolutely apparent that the Operator is ready to continue diamond drilling.

Equipment and materials in which the Government owns an equity were discussed with Mr. Roby. He requested permission to remove the compressor house from its present locality so that it might not be damaged by rolling boulders caused by the road building project. I informed him that it would certainly be advisable to remove the building from its present site. If there is sufficient road clearance the building will be hauled to the east end of the property where it will be free from harm. Mr. Roby expects rock falls to demolish the tramway to the DMEA portal site. I requested that he remove the Eimco 21 mucker from the main level as there is no way of getting it out except via the tramway.

The remaining work to be performed under Contract Idm-E247 does not involve the use of any equipment or supplies in which the Government owns an equity. For this reason it is recommended that proceedings regarding equipment disposition be instituted at the Field Team's request.

An inventory of equipment and materials with an initial value in excess of $50.00 per item in which the Government owns an equity was made. It is to be noted that no items of supply worthy of consideration are on hand at the property. Rail and pipe installed under the DMEA contracts are not considered worthy of salvage.

The attached list of the item of equipment shows the original value, present value, and present DMEA equity based on established OPS rates.

John S. McNabb

John S. McNabb

Orig. & 3 cys - Wash.
USGS (2)
DMEA
M/D
JSM/he

DISPOSITION OF EQUIPMENT
Contract Idm-E247

Item	Serial No.	Date of purchase	Age in months	Original value	DMEA contrib. @ 75%	Rate of deprec. per mo.	Present value	DMEA equity
1 300-gal. steel water tank	none	2/8/52	18	$ 70.00	$ 52.50	1%	$ 57.40	$ 43.05
1 Evanoil Burner heater	EH 1103	2/8/52	18	55.00	41.25	1%	45.10	33.82
1 Servel gas refrigerator	608815	2/15/52	18	70.25	52.69	1%	57.60	43.20
1 Disston chain saw 26"	612920	2/6/52	18	383.50	287.62	2%	245.44	184.08
1 Duotherm oil heater	2066P20	2/2/52	18	84.95	63.71	1%	69.66	52.25
1 Atlas rock drill and leg	431868	2/28/52	17	523.00	392.25	2½%	303.34	227.51
1 Atlas rock drill and leg	432469	4/28/52	15	523.00	392.25	2½%	329.49	247.12
1 Rotary grinder	RS710	2/28/52	17	190.90	143.18	1%	158.45	118.84
*3 40-cu.ft. Rocker dump mine cars	none	2/25/52	17	1,350.00	900.00	1%	1,120.50	747.04
1 Air receiver 36"x72"	none	3/17/52	16	158.40	118.80	1%	133.06	99.80
*1 Eimco 21 rocker shovel	5847	4/4/52	16	4,435.00	1,856.25	2%	3,015.80	1,262.11
1 EW-11 Joy single drum 5 HP hoist	23008	3/12/52	17	778.00	583.50	2%	513.48	385.11
1 Raising feed for rock drill	BMT62A	6/16/52	13	210.00	157.50	2½%	140.70	105.53
1 Compressor-Warehouse bldg.	none	June '52	13	1,898.43	1,423.82	2%	1,404.84	1,053.63
Totals				$10,730.43	$6,465.32		$7,594.86	$4,603.09

*DMEA contribution less than 75% of original value.

Idm-E247 American Alloy Metals, Inc.

Date			Voucher No.	Amount	
1952	April	16	180	$ 9,700.21	
	June	2	234	5,128.51	
	July	3	276	3,986.38	
		29	306	4,159.68	
	September	18	376	4,513.61	
	October	3	398	2,428.88	
	November	28	548	2,218.99	
	December	5	557	7,165.93	
1953	February	10	650	1,481.40	
		17	658	2,418.55	
	March	20	694	2,613.53	
1954	December	16	1373	249.50	
				46,065.17	
	Less Salvage Proceeds			2,340.00	
	Spokane Total - April 30, 1955				$43,725.17

SEXTUPLICATE

STANDARD FORM 209e (Formerly Cert. of Deposit, Form 6599)
Promulgated August 1951 by Treasury Department, Fiscal Service

CERTIFICATE OF DEPOSIT FOR CHECKING ACCOUNT

Deposited with Federal Reserve Bank of San Francisco Portland Branch (Name and location of depositary) 10/11/54 (Date sent)

DEPOSIT NO. 14-23-020-173

the sum shown opposite for credit, subject to check, in the disbursing account of—

$ 12,996.40

SYMBOL NO. 420

A. C. Wahlers, RDO, 523 U. S. Court House, Portland 5, Oregon
(Name and address of officer to be credited)

E-247

On account of—

1424401.....$12,996.40

(Depositor will insert below his name, title, Department or Agency concerned, and his address)

Myrtle I. Purdy
Certifying Officer
Defense Minerals Exploration Admin.
1201 N. Division Street
Spokane 2, Washington

SPACE BELOW TO BE USED BY DEPOSITARY ONLY

I certify that the above amount has been received for credit in the account of the Treasurer of the United States on the date shown, subject to adjustment for uncollectible items included therein.

(Authorized signature)

(Date of credit in Treasurer's account)

DEPOSITOR WILL RETAIN THIS COPY

Check No.1585
Dated Oct. 6, 1954
Amount $496.40
From Peter Antonioli
Contract Idm-E688
Royalty payment

Check No.5786
Dated 9/30/54
Amount $5,000.00
From Minerals Engineering Co.
Contract Idm-E247
Royalty payment

Check No. 5797
Dated October 4, 1954
Amount $7,500.00
From Minerals Engineering Co.
Contract Idm-E247
Royalty payment

SEXTUPLICATE

STANDARD FORM 209e (Formerly Cert. of Deposit, Form 6599)
Promulgated August 1951 by Treasury Department, Fiscal Service

CERTIFICATE OF DEPOSIT FOR CHECKING ACCOUNT

DEPOSIT NO.
14-23-020-166

Deposited with Federal Reserve Bank of San Francisco Portland Branch (Name and location of depositary) 9/16/58 (Date sent)

the sum shown opposite for credit, subject to check, in the disbursing account of—

$
5,137.00

SYMBOL NO.
1820

A. O. Mahlers, DDO, 323 U. S. Court House, Portland 5, Oregon
(Name and address of officer to be credited)

On account of—

Mileage $5,137.00

(Depositor will insert below his name, title, Department or Agency concerned, and his address)

Myrtle I. Purdy
Certifying Officer
Defense Minerals Exploration Admin.
1201 N. Division St.
Spokane 2, Washington

SPACE BELOW TO BE USED BY DEPOSITARY ONLY
I certify that the above amount has been received for credit in the account of the Treasurer of the United States on the date shown, subject to adjustment for uncollectible items included therein.

(Authorized signature)

(Date of credit in Treasurer's account)

DEPOSITOR WILL RETAIN THIS COPY

Check No. A 5354
Dated Sept. 8, 1954
Amount $137.00
From Minerals Engineering Co.
Contract Idm-E247
Royalty receipt

Check No. A 5536
Dated Sept. 10, 1954
Amount $5,000.00
From Minerals Engineering Co.
Contract Idm-E247
Royalty receipt

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
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SEP 24 1954

For Schedule of Collections No. DMA-139, dated May 14, 1954, giving royalty repayment of $5,660.81, see E-41.

E-247

For Schedule of Collections No. DMA-126, dated April 14, 1954, giving royalty repayment of $1,363.83, see E-152.

For Schedule of Collections No. DMA-119, dated March 24, 1954, giving royalty repayment of $564.06, see E-133.

Standard Form No. 1044—Revised
Form approved by Comptroller General U. S.
June 25, 1936

SCHEDULE OF COLLECTIONS

Schedule No. 149

Sheet No. 1

DEPARTMENT OF THE INTERIOR (Department or Establishment)

DEFENSE MINERALS EXPLORATION ADMINISTRATION (Bureau or Office)

Received by A. O. Wahlers, Regional Disbursing Officer (Name) (Title) at Portland, Oregon (Station)

Period June - 1954 (Month or quarter ended) 14-23-020 D. O. Symbol No. 420

Date Received	Receipt Number	Name of Remitter	Detail Description of Purpose for Which Collections Were Received	Amount	Fund to be Credited (Symbol and title in full)
1954					
6/29	------	Minerals Engineering Co.	Property proceeds Contract Idm-E247, American Alloy Metals, Inc.	$2,340.00	14X4401 Revolving Fund, Defense Minerals Production Act, Interior
6/29	-----	Bunker Hill and Sullivan Mining and Concentrating Company	Royalty payment on ore shipped, Contract Idm-E267, Funnell and Majer Mining Company	13.14	do
			SUMMARY 14X4401-$2,353.14		
			Total,	$2,353.14	

Received _____, subject to collection. Forwarded June 29, 1954

A. O. Wahlers, Regional Disbursing Officer
(Disbursing clerk or accountable officer)

By _____

By _____

(Name) Myrtle I. Purdy

Title Authorized Certifying Officer

Certificate of Deposit No. _____ dated _____

☆ U. S. GOVERNMENT PRINTING OFFICE 10—1790

For Certificate of Deposit No. 184, dated December 10, 1954, giving royalty repayment of $5,999.47, see E-9.

For Certificate of Deposit No. 176, dated November 2, 1954, giving royalty repayment of $12,500.00, see E-189.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
~~WASHINGTON 25, D.C.~~
So. 157 Howard Street
Spokane 4, Washington

RECEIVED
APR 28 1953

April 10, 1953

Memorandum

To: DMEA Field Team, Region II

From: A. E. Weissenborn, U. S. Geological Survey

Subject: Docket No. DMEA-2292 (tungsten), Inspection report, American Alloy Metals, Inc., Brown's Lake Tungsten deposit Beaverhad County, Montana, Contract Idm-E247

The Brown's Lake tungsten deposit was visited on March 24 in company with Frank L. Eichelburger, Blair Burwell, Jay Van Gundy, R. N Roby, and an engineer from the Minerals Engineering Company whose name is not at hand. The walls of the new inclined raise had been washed and the incline was lamped. On the following day the writer returned to the property and mapped the incline with the assistance of R. N. Roby of the American Alloy Metals, Inc. The attached sketch section shows the result of this mapping.

As shown on the section, the beds near the bottom of the new inclined raise dip gently to the west. Near the top of the incline there is a slight flexure and at the very top the beds dip gently to the east. In the old stopes to the east of the incline, the beds, however, dip again to the west.

At the base of the incline near its intersection with the raise, the incline exposes a bed of limestone about two feet thick underlain by a narrow band of green, blocky hornfels which in turn is underlain by tactite. The hornfels is full of numerous bedding plane slips suggesting that bedding plane movement has been taken up largely in the hornfels. This is true of many of the other hornfel bands exposed in the incline. The incline penetrates a series of tactite beds interspaced by fairly thin hornfels beds. Some of the hornfels beds contain inclusions of tactite and some of them thin out in a manner suggesting that they have been dragged out by bedding plane faults. In at least one bed, however, there is a suggestion of replacement of hornfels by tactite. The tactite contains abundant garnet and in places is made up almost wholly of garnet. The size of the individual garnet grains varies from fine to coarse.

62

The limestone is very sparsely mineralized; careful lamping indicates only a few occasional specks of scheelite or powellite. In general, the hornfels beds are also rather sparsely mineralized although they contain more scheelite than the limestone. Inclusions of tactite within the hornfels contain abundant scheelite and near the top of the raise in the area of greatest mineralization some of the hornfels also contain abundant scheelite.

The scheelite-powellite (hereafter referred to as scheelite) occurs both in finely disseminated grains and in coarse blebs scattered irregularly throughout the rock, principally in the tactite. There is a tendency for the scheelite minerals to spread out along the bedding suggesting in part a bedding replacement. Exposed mostly in the bottom and top of the incline, but also visible in the walls, are thin quartz stringers from one-fourth inch to 1 inch in width which strike from about 55° to 75° NE. and which dip steeply. These increase in frequency near the top of the incline. Near the bottom of the incline the quartz stringers are made of quartz, opaline, silica, and a little calcite with almost no scheelite, but usually there is a considerable amount of fine disseminations and coarse blebs of scheelite in the wall parallel to the stringers. In the upper part of the raise where the stringers are more numerous, the quartz stringers themselves contain abundant scheelite (one sample taken by Roby from an inch stringer assayed 9 percent WO_3). Scheelite is found alongside the stringers as well, both parallel to the stringers and spreading out along the bedding. The scheelite is later than the quartz. The opaline silica fluoresces and must not be confused with the fluorescence from scheelite. Some calcite in the tactite fluoresces a deep red.

Inasmuch as the quartz stringers are most abundant near the top of the raise in the area of greatest flexure, there is a suggestion that the quartz stringers occupy tension cracks and that the flexing of the beds has provided a favorable place for the deposition of scheelite. There thus appears to be not only bedding control of the mineralization but a structural control as well, and there is a suggestion, which must be checked by drilling, that in the area of the greatest flexure, all of the tactite and hornfels beds are well mineralized.

Samples taken to date by the Operator consist of vertical channel cuts down the walls without too much regard to the geology, although some attempt was made on some of the cuts to sample the different beds selectively. The samples from the lower two-thirds of the incline average about .26 percent WO_3 representing a stratigraphic thickness of about 28 or 29 feet. The upper approximately one-third of the incline averages .66 percent WO_3 over a stratigraphic thickness of about 31 feet. The upper two tactite beds (measuring from the hornfels bed just below station E on the sketch) average .94 percent WO_3 over a stratigraphic thickness of about 26 feet. The upper hornfels and tactite beds at the top of the raise just below the

limestone at Station G average 1.11 percent WO_3 representing a stratigraphic thickness of about 18 feet. The arithmetic average of all samples taken in the raise is .44 percent WO_3, representing a stratigraphic interval of a little better than 60 feet, a remarkably close check to the samples taken during the original examination from the outcrop which has averaged, as I recall, .46 percent WO_3 over a stratigraphic interval of about 54 feet.

Arrangements have been made by the American Alloy Metals, Inc. to start the drilling immediately, and this drilling is now reported in progress with the first hole completed. The cores should be logged very carefully in order to attempt to correlate lithological units with those shown on the attached map. The cores should be sampled and assayed according to the lithology not at arbitrary intervals.

Samples taken to date by the Operator are considered preliminary only. Now that the walls of the incline have been washed down and the geology and lithology of the incline has been mapped, a final sampling should be done. Suggested sample cuts have been marked out on copies of the map which have been given to the Operator. Samples should be laid out jointly by the Operator and the DMEA field crew, and the sampling should be watched by the examining team and duplicate cuts taken of the samples. In this way, everyone will be assured of the validity of the samples.

Enclosure
Distribution:
DMEA (Orig. & 3)
USBM (2)
Docket
Weissenborn

14. Exhibit E (question 23-c)*

a) Is it applicable?_____

b) Sufficient data?_____

c) Reasonable?_____

d) Field check needed?_____

15. In your judgment, can the proposed work be done in the proposed time?_____

(All exploration must be completed within two years)

16. If field examination is not needed, attach your recommendation.

17. If field examination is needed, do you have any special instructions for the field team not indicated by your answers to the foregoing question?_____

Reviewed by:_____

Date_____

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

1201 North Division Street
Spokane 2, Washington

March 31, 1953

APR 28 1953

MEMORANDUM

To: DMEA Field Team, Region II

From: John S. McNabb, Mining Engineer, Bureau of Mines

Subject: Routine inspection of the Browne's Lake Tungsten Mine, American Alloy Metals, Inc., Beaverhead County, Montana, Contract Idm-E247, Docket No. DMEA 2292 (tungsten)

A routine inspection of the Browne's Lake Tungsten mine, Contract Idm-E247, was made in the company of R. N. Roby, engineer in charge, on March 19, 1953.

The inclined heading off the raise in the main adit was completed on March 7, 1953. The overall length of the 5' x 6' untimbered incline is 209 feet. Inclination of the heading averages 27°. No difficulty was encountered in holing through in the old No. 4 adit. The incline was advanced 92 feet since my last visit to the property on February 3, 1953 and March 7, 1953 when the work was completed.

Diamond drilling will constitute the next phase of exploration at Browne's Lake. At the time of my inspection two drill stations had been cut in the incline, and the west drift on the main adit level had been cleaned up in preparation for drilling. A diamond drill was due to arrive at the property in the immediate future.

The walls of the incline were being washed down at the time of my inspection. Additional sampling and more detailed mapping will follow. Mr. Roby has sampled the incline at 5 foot intervals to date. The Union Assay Co. of Salt Lake City, Utah has performed most of the assays. Samples from the last 30 feet of the incline indicate that the hanging wall portion of the tactite zone should average at least 0.6% WO_3.

Units of work completed to date under Contract Idm-E247 include the following:

Drifting	176 feet
Crosscutting	229 feet
Raising	130 feet
Incline	209 feet
Diamond drilling	235 feet

Upon the completion of the incline Mr. Roby reduced his crew by one man. At the present time the labor force consists of one engineer-supervisor and two miners. The work is being performed efficiently and at a reasonably low cost.

John S. McNabb

Orig. & 3 - Wash.
USGS - 2
DMEA
M/D
JSM/vf

Form MF-104 (Rev.)
(April 1952)

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Bureau of Budget No. 42-R1036.3.
Approval expires 6-30-53.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAR 24 1953

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of February 1953 Docket No. DMEA 2292 Contract No. Idm E 247
Operator's Name AMERICAN ALLOY METALS, INC. Minerals Tungsten
Address Glen, Mont.
Contract Amount, $66,914.00 Government Participation: 75 % Amount, $ 50,185.50

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) ~~Independent~~ Short Form Contracts:						
Drilling						
Bulldozing						
Crosscutting						
Drifting 101.2 @ $33.20	3,359.84	298.80	3,658.64			
(2) Labor and Supervision:						
Labor		15,980.22	15,980.22			
Supervision		6,061.83	6,061.83			
Technical Services						
(3) Operating Mat'ls. and Supplies:		10,325.26	10,325.26			
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental		6,638.21	6,638.21			
Purchase		3,877.89	3,877.89			
Depreciation		810.00	810.00			
(5) Initial Rehabilitation and Repairs		3,366.89	3,366.89			
(6) New Bldgs., Improvements, etc.		6,630.82	6,630.82			
(7) Miscellaneous:						
Repairs to Equipment		944.26	944.26			
Sampling and Analysis 17@ $4.	68.00	298.00	366.00			
Payroll Taxes		1,039.00	1,039.00			
Liability Insurance		1,564.21	1,564.21			
(8) Contingencies (specify): Office and Travel		1,780.13	1,780.13			
Excess Footage Cost		(2,012.65)	(2,012.65)	56.87	2012.65	1955.78
TOTALS	3,427.84	57,602.87	61,030.71	3484.71	57602.87	61087.58

I certify that the above bill is correct and just and that payment therefor has not been received.
Date March 7, 1953 *Payee AMERICAN ALLOY METALS, INC.
Per Robert N. Roby Title Proj. Mgr.

*When a voucher is signed or receipted in the name of a company or corporation, the name of the person writing the company or corporate name, as well as the capacity in which he signs, must appear. For example: "John Doe Company, per John Smith, Secretary," or "Treasurer," as the case may be.

NOTE.—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.

(Instructions on reverse)

Pursuant to authority vested in me, I certify that this account is correct and proper for payment in the amount of:

$ 2613 53

Signature (Authorized Certifying Officer)
Date 3/19/53 Vou. No. 694
(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. IDM-E347 in accordance with the terms of the contract.

Signature John S. McNabb Jr. Title Mining Engineer Date 3-15-53

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

/S/ Signature Thomas E. Howard Title Mining Engr Date 3/19/53

MONTHLY REPORT OF OPERATOR

The Operator (Contractor) of an exploration project is required to make a monthly report to the Government through the Regional Executive Officer. This report consists of three parts as follows:

(a) *Form MF-104—Operator's Monthly Report and Voucher.*—This form details expenditures and constitutes a voucher for reimbursing the Operator for the Government's share of costs;

(b) *Form MF-104A—Operator's Unit Cost and Progress Report.*—This is a statistical report of expenditures which shows costs for the various types of operation; and

(c) *Narrative.*—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered must be furnished as an attachment to this Report and Voucher. Wherever possible, the narrative is to be illustrated with maps or sketches showing formations penetrated and location and assays of samples taken as well as advances in workings. In the case of diamond drilling or churn drilling, the location and inclination of holes is to be shown on a map; logs and assays also are to be submitted.

The Monthly Report of Operator should be prepared in an original and four copies all of which must be sent to the Executive Officer of the Region not later than the 15th of the month following.

Preparation of Form MF-104—Operator's Monthly Report and Voucher.—All the applicable spaces in Form MF-104 should be filled in by the Operator, and the Operator or his agent should sign the certification in the lower left corner of the form.

The items of costs are arranged in the order they appear in Article 6 (a) of Form MF-200 (Revised February 1952), however, this form is readily adaptable for use in reporting activities under other contract forms.

Under Item (1) delete words "Short Form" if the contract is a sub-contract under Form MF-200; and delete word "Independent" if the contract reported is on Form MF-200 (A). Also, report work paid for on a unit basis under contract Form MF-200 as though it were performed under an independent contract.

Under Item (2) include labor, supervision and technical services incurred for the exploratory operations. Do not include labor, supervision and technical services used for work performed under items (5) and (6).

Under Item (3) include the costs of material and supplies used in the project other than that used under items (5) and (6).

Under Item (4) appear the three types of operating equipment expenditures, that is, rental, purchase and depreciation. The expenditures made for renting equipment belonging to a third party will be reported under "Rental". The amount paid or duly obligated for payment for the purchase of equipment will be reported under "Purchase". The amount of expenditures due the Operator to reimburse him for depreciation of equipment owned will be reported under "Depreciation".

Item (5) comprises costs of labor, supervision, technical services, materials, etc., which are used in the initial rehabilitation and repair of existing buildings, installations, fixtures, and equipment. These costs, therefore, should not be reported under items (2) and (3).

Item (6) includes the labor, supervision, technical services, materials, etc., used in the installation or construction of new buildings, fixed improvements, etc., necessary for the project. These costs, therefore, should not be reported under items (2) and (3).

Item (7) covers miscellaneous types of expenditure such as payroll taxes, liability insurance, workmen's compensation insurance, repairs to equipment and sampling and analysis. Only that part of payroll taxes, liability insurance and workmen's compensation which are paid by the operator should be reported under item (7). The share paid by the employee as a payroll deduction is to be included under item (2) as labor costs.

Item (8) includes any unforeseen costs not included in the other seven categories.

The original of Form MF-104 when submitted for reimbursable expenses incurred under contract Form MF-200 must be supported by original documentation or by certified copies of purchase orders, payrolls or transcripts of payrolls, unless such documentation has been waived by the Regional Executive Officer. This certification may be stated thus, "Certified True Copy (or Transcript)", followed by appropriate signature. If the Executive Officer of the Region determines that a contract under Form MF-200 should have an "on-site" audit, that is, a Government auditor should make an audit of the Operator's books and records of account, the Operator need not support his monthly voucher with original or certified documents except in cases of equipment purchases whose individual costs exceed $50.00. In these cases the original or a certified copy of the purchase order or invoice should be attached to the Monthly Voucher. N. B.—Only the *original* of Form MF-104 is required to be documented. The four copies of Form MF-104 are not to be thus supported.

Form MF-104 submitted for reimbursement under fixed price contracts on Form MF-200 (A), however, are not required to be supported by documentation of any kind. The Operator will submit his claim under item (1) of Form MF-104 by deleting as stated above the word "Independent" and by showing the number of feet or other units immediately after the appropriate descriptive word, such as, drilling, bulldozing, crosscutting, drifting, etc., and giving the "Monthly Total" amount due. "Totals Previously Reported", and "Totals to Date" columns should also be filled in.

GPO 83-38476

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151
Approval expires 6-30-53.

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of February 1953 Docket No. DMEA 2292 Contract No. Idm-E 247
Operator's Name AMERICAN ALLOY METALS, INC. Minerals Tungsten
Address Glen, Mont.

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting Level	Ft.			6,547.20	176	37.20		
Crosscutting	Ft.			16,103.25	229	70.32		
Raising	Ft.			12,206.41	130	93.90		
~~XXXXXX~~ Incline	Ft.	54.87		3,380.08	100	33.80		
~~XXXXXX~~ "	Ft.	3,359.84	101.2	3,658.64	110.2	33.20		
Drilling: Core	Ft.			2,783.88	235	11.85		
Churn								
Auger								
~~XXXXXX~~ Incline Prep.				750.00				
Trenching								
Test Pits								
Roads and Trails								
17 Tungsten Assays @ $4.		68.00		68.00				
TOTAL DISTRIBUTED COSTS		3,487.71		45,487.38				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased				3,877.89				
Initial Rehabilitation and Repairs				3,366.89				
New Buildings, Improvements, etc.				6,630.82				
Equip. Rental				1,714.60				
TOTAL COSTS		3,487.88		~~61,030.71~~ 67,087.58				

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

Date March 7, 1953 Operator AMERICAN ALLOY METALS, INC.

Per Robert N. Roby Title Proj. Mgr.

REMARKS:
PLEASE SEND CHECK TO:

Mr. E. A. Julian
Suite 1225
One Montgomery St.
San Francisco, Calif.

NOTE.—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.

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

Preparation of Form MF–104A—Operator's Unit Cost and Progress Report.—Applicable places on Form 104A should be filled in by the Operator. The purpose of this form is twofold as follows: (1) to furnish the supervising engineers and other administrators with statistical information necessary to better determine the progress of the project; and (2) to furnish more permanent information on mining costs for future use. The more important phases of operation on which permanent information is desired have been outlined in the form. There are blank lines, however, for those unusual phases which may need to be reported for a particular project. It will be necessary for the Operator to distribute his costs among the applicable phases reported with the exception of three items the costs of which are not to be distributed by the Operator. These three items are: "Operating Equipment Purchased", "Initial Rehabilitation and Repairs", and "New Buildings, Improvements, etc." The reason for not distributing these items on a monthly basis is doubtless clear to the Operator, since such distribution might well overstate the cost for any one month or period short of the entire contract period.

Form MF–104A has been designed to tie in with Form MF–104 for both monthly and cumulative costs. The "Total Costs" on Form MF–104A for each month should equal the monthly "Total Costs" as reported on Form MF–104. This is also true of the "Total Costs To Date".

In preparing Form MF–104A, it will be necessary frequently to distribute certain costs over a number of items. For instance, supervisory and engineering costs may have to be distributed over several phases, such as, drifting, crosscutting, raising, etc., provided that these items were reported active for the month. Such distributions should be made on the basis of time spent on the various phases, on man days of labor charged to such phases, or on some other equitable basis. "Operating Equipment", "Initial Rehabilitation and Repairs", and "New Buildings Improvements, etc.", will be distributed to the several phases of the project by the Washington Office of DMEA at the close of the project if determined necessary. The last two columns headed "Authorized by Contract" will be filled in by the Operator if such information is found in the contract. This information is usually a part of Exhibit "A" of the contract. A space for remarks has been provided for the use of the Operator to call attention to any unusual circumstances causing excessive or disproportionate unit costs.

GPO 83-38475

COPY

AMERICAN ALLOY METALS, INC.
ONE MONTGOMERY STREET
SAN FRANCISCO 4, CALIFORNIA

NARRATIVE
FEBRUARY 1952

PLEASE ADDRESS REPLY TO:
GLEN, MONTANA

March 9, 1953

Advancement of the incline heading continued at reasonable progress during February. No unusual difficulties were encountered. Good weather prevailed in general.

The incline holed through into the west drift of the No. 4 Adit workings on March 5. The connection was within a few feet of where it was shown on the Brunton sketch.

The hangingwall of the main tactite bed was encountered at the point where it was projected on the sample map of Feb. 4, 1953. It now appears that the marble cut in the vertical raise between 91.5 and 97.5 feet is an inclusion in the main tactite bed--the true hangingwall is at 108.5. At least the tactite immediately below the 108.5 foot contact in the vertical raise is almost identical with that just below the hangingwall in the incline.

The average of the 27 face samples from the incline averaged 0.40 WO_3. The grade of the ore increased considerably eastward from the vertical raise. The 12 samples from the 70 feet of the incline below the hanging wall averaged 0.605 WO_3.

Preparations are being made to start diamond drilling.

Wonder how much virgin ground in this area.

2292

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
~~WASHINGTON 25, D.C.~~
1201 North Division Street
Spokane 2, Washington

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAR 9 1953

February 25, 1953

MEMORANDUM

To: DMEA Field Team, Region II

From: John S. McNabb, Mining Engineer, USBM

Subject: Routine inspection of the Browne's Lake Tungsten Property, American Alloy Metals, Inc., Beaverhead County, Montana, Contract Idm-E247, Docket No. DMEA 2292 (tungsten)

A routine inspection of the Browne's Lake Tungsten property, Contract Idm-E247, was made on February 3, 1953, in the company of W. B. Myers, U. S. Geological Survey, and R. N. Roby, engineer in charge at the Browne's Lake operation.

The inclined heading being driven off the raise in the main adit was begun in December, 1952, at a point 43 feet above the sill of the adit. On February 3, 1953, the untimbered 5' x 6' heading had been driven a total distance of 117 feet.

The dip of the incline averaged 23-1/2°. In order that a maximum number of beds be crosscut, Mr. Myers and myself recommended that that attitude of the incline be increased to 27°. Mr. Roby stated that he would comply with our recommendation.

Mr. Roby is sampling the incline at approximately every 5 feet. Assaying is performed by the McCarthy Laboratory in Butte, Montana. A sample-assay map is kept by the operator. The U. S. Bureau of Mines have copies of this map and will post any assay data which they might obtain on it also. Splits of all samples taken by Mr. Roby in the future will be placed in the hands of the U. S. Bureau of Mines. If check assaying is deemed advisable, these samples will be run at the Albany, Oregon laboratory of the Bureau of Mines.

The unit cost for driving the inclined heading was $42.47 per foot as of February 1, 1953. At this time the incline had been advanced a distance of 109 feet. Actually, unit costs during the month of January, 1953, were within the allowable maximum of $33.80 per foot, but excessive costs incurred during December, 1952, when the work on the incline was begun causing the overall average to be in excess of $40.00 per foot.

Men employed at the project at the present time include one engineer-supervisor, one mechanic-foreman, and two miners. Generally an advance of 4 feet per shift is made in the inclined heading. It is felt that the present 4 man crew are all needed at the operation, and that the present work is being performed in an efficient manner.

John S. McNabb

Orig. & 3 - Wash.
USGS - 2
DMEA
M/D
JSM/vf

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

~~WASHINGTON 25, D.C.~~
So. 157 Howard Street
Spokane 4, Washington

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
FEB 24 1953

February 13, 1953

Memorandum

To: DMEA Field Team, Region II

From: W. B. Myers, Geologist, U. S. Geological Survey

Subject: Docket No. DMEA-2292 (tungsten).
Routine inspection of American Alloy Metals Inc., Contract Idm-E247, Brown's Lake Tungsten, Beaverhead County, Montana.

The project was visited on February 3, 1953 in the company of J. S. McNabb, Bureau of Mines. The crew were completing repairs on the slusher at the time. The inclined slusher working had advanced to a total length of 117 feet. The working has flattened a little in the upper portion but this can be easily corrected and will not trouble the operation. Over a fifty-foot segment of the working, starting about 40 feet east of the raise, 11 chip samples of the advancing face yield assays averaging 0.246 percent WO_3. It should be pointed out that these assays were not run by the Bureau of Mines nor by Union Assay. Although the assayer in question (McCarthy, Butte) has the reputation of doing careful and concientious work, the consistency with which this lab's work can be checked by the Bureau's colorometric process is not known. The unreliability of most assays of low-grade tungsten ore is justifiably notorious.

This program of chip sampling of the advancing face is considered preliminary by the operator who justifies sending his samples to Butte as a matter of expediency. However, he recently indicated his decision to send further samples to Union in the interest of uniformity. It is planned upon completion of the working to wash down the walls and resample with channel samples arranged to determine the grade of individual lithologic units. These samples also will be sent to Union and at that time splits from selected samples can be taken by Field Team for check assays by the Bureau of Mines Albany lab.

The attitude of the beds cut by the working is about as expected from a preliminary cross section, the dip having flattened eastward as anticipated. No faulting of mappable displacement has been noted, but there has been some bedding plane slip along a chloritized hornfels zone at the base of the lowest marble bed exposed in the incline.

An inspection was made of the old number 4 adit, located in the hanging wall of the main ore zone; this is the working to which the incline will ultimately connect. Roby recently found intrusive in the face of the western drift, similar to that known in the face of the southeast drift. This new exposure of the planar intrusive contact forming the southern boundary of the ore deposit had been earlier searched for by the writer but had remained hidden by a muck pile. On mucking out the face Roby found a short winze sunk on the contact. Lamping at the time of the writers last inspection disclosed that the contact in the winze and lower part of the drift, is heavily mineralized with coarse scheelite for a width of about a foot. Most of the high-grade ore is on the tactite side of the contact but some scheelite has been deposited in the silicified and epidotized intrusive. Roby reports that Kennedy, an earlier owner of the property, disclosed to him that he shipped a 1-ton lot from a winze in this working that assayed 15 percent WO_3. A similar but less spectacular streak of relatively high-grade ore was found on mucking the floor in the southeast drift.

Recognition of at least local accumulations of scheelite along the cross-cutting contact of the quartz monzonite appears to account for the abnormally high tungsten content of the isolated upper tactite beds cut by diamond drill hole number 11 (Idm-E-127, 1951). These beds where cut by the drill are probably within a very few feet of the quartz monzonite.

Roby has resurveyed the number 4 adit to check the location for holing through and has found the earlier company map to be inaccurate, particularly in showing the southeast drift face considerably to the southeast of its true position. The inaccuracies do not have any significant effect on holing through the incline working but have the effect, coupled with the new exposure, of moving the south boundary of the deposit a full 15 feet north at this locality. (Compare Roby's map of 2/4/53 with the earlier map on the same scale of 7/1/52).

Distribution:
DMEA-Orig. & 3
USBM (2)
Docket
Myers

Form MF-1[illegible] Rev.)
(April 1952)

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Budget Bureau No. 42-R1036.3.
Approval expires 6-30-53.

[illegible] Department of the Interior
Defense Minerals Administration
RECEIVED

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of April 1953 Docket No. DMEA 2292 Contract No. Ida Ep247
Operator's Name AMERICAN ALLOY METALS, INC. Minerals Tungsten
Address Glen, Mont.
Contract Amount, $ 66,914.00 Government Participation: 75 % Amount, $ 50,185.50

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling 126 ft. @ $8.	1,008.00	—	1,008.00	1008.00	—o—	1008.00
Bulldozing						
Crosscutting						
Drifting 101.2 ft. @ $33.20		3,715.51	3,715.51	9890.00	3658.64	13548.64
(2) Labor and Supervision:						
Labor		15,980.22	15,980.22	[illegible]	15980.22	10499.91
Supervision		6,061.83	6,061.83	[illegible]	6061.83	2798.29
Technical Services						
(3) Operating Mat'ls. and Supplies:		10,325.26	10,325.26	3139.[illegible]	10325.26	
Timber						222.04
Explosives						2051.85
Pipe						322.62
Track						459.54
Drill Steel						1241.61
Other						2890.54
(4) Operating Equipment:						
Rental		6,638.21	6,638.21	[illegible]	6638.21	4990.98
Purchase		3,877.89	3,877.89	1878.31	3877.89	5756.20
Depreciation		810.00	810.00	[illegible]	810.00	516.67
(5) Initial Rehabilitation and Repairs		3,366.89	3,366.89	266.[illegible]	3366.89	3632.98
(6) New Bldgs., Improvements, etc.		6,630.82	6,630.82	598.48	6630.82	7229.30
(7) Miscellaneous:						
Repairs to Equipment		944.26	944.26	[illegible]	944.26	926.23
Sampling and Analysis 6784.	268.00	366.00	634.00	184.00	366.00	550.00
Payroll Taxes		1,039.00	1,039.00	[illegible]	1039.00	558.98
Liability Insurance		1,564.21	1,564.21	[illegible]	1564.21	707.13
Expense & Travel				1657.65	—o—	1657.65
Plus [illegible] furnishings				391.07	—o—	391.07
(8) Contingencies (specify):						
Office and Travel		1,780.13	1,780.13	[illegible]	1780.13	—o—
Excess drift footage costs		(1,955.78)	(1,955.78)	1415.78	[illegible]	[illegible]
Equipment salvage				[illegible]		[illegible]
TOTALS	1,276.00	61,087.58	62,363.58	[illegible]	61087.58	58300.23

I certify that the above bill is correct and just and that payment therefor has not been received.

Date May 13, 1953 *Payee AMERICAN ALLOY METALS, INC.

Per Robert N. Roby Title Proj. Mgr.

Robert N. Roby

*When a voucher is signed or receipted in the name of a company or corporation, the name of the person writing the company or corporate name, as well as the capacity in which he signs, must appear. For example: "John Doe Company, per John Smith, Secretary," or "Treasurer," as the case may be.

→ NOTE.—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.

(Instructions on reverse)

adjusted to Report of Review by C.A. Turner dated Sept 14-1954

Pursuant to authority vested in me, I certify that this account is correct and proper for payment in the amount of:

$249.50

Signature M D P
(Authorized Certifying Officer)

Date 12/16/54 Vou. No. 1373
(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. Idm-E 247 in accordance with the terms of the contract.

Signature John S. McNabb Jr. Title Mining Engineer Date 5-21-53

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature 15' Stephen W Zoldok Title Mining Eng Date 12/10/54

MONTHLY REPORT OF OPERATOR

The Operator (Contractor) of an exploration project is required to make a monthly report to the Government through the Regional Executive Officer. This report consists of three parts as follows:

(*a*) *Form MF-104—Operator's Monthly Report and Voucher.*—This form details expenditures and constitutes a voucher for reimbursing the Operator for the Government's share of costs;

(*b*) *Form MF-104A—Operator's Unit Cost and Progress Report.*—This is a statistical report of expenditures which shows costs for the various types of operation; and

(*c*) *Narrative.*—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered must be furnished as an attachment to this Report and Voucher. Wherever possible, the narrative is to be illustrated with maps or sketches showing formations penetrated and location and assays of samples taken as well as advances in workings. In the case of diamond drilling or churn drilling, the location and inclination of holes is to be shown on a map; logs and assays also are to be submitted.

The Monthly Report of Operator should be prepared in an original and four copies all of which must be sent to the Executive Officer of the Region not later than the 15th of the month following.

Preparation of Form MF-104—Operator's Monthly Report and Voucher.—All the applicable spaces in Form MF-104 should be filled in by the Operator, and the Operator or his agent should sign the certification in the lower left corner of the form.

The items of costs are arranged in the order they appear in Article 6 (a) of Form MF-200 (Revised February 1952), however, this form is readily adaptable for use in reporting activities under other contract forms.

Under Item (1) delete words "Short Form" if the contract is a sub-contract under Form MF-200; and delete word "Independent" if the contract reported is on Form MF-200 (A). Also, report work paid for on a unit basis under contract Form MF-200 as though it were performed under an independent contract.

Under Item (2) include labor, supervision and technical services incurred for the exploratory operations. Do not include labor, supervision and technical services used for work performed under items (5) and (6).

Under Item (3) include the costs of material and supplies used in the project other than that used under items (5) and (6).

Under Item (4) appear the three types of operating equipment expenditures, that is, rental, purchase and depreciation. The expenditures made for renting equipment belonging to a third party will be reported under "Rental". The amount paid or duly obligated for payment for the purchase of equipment will be reported under "Purchase". The amount of expenditures due the Operator to reimburse him for depreciation of equipment owned will be reported under "Depreciation".

Item (5) comprises costs of labor, supervision, technical services, materials, etc., which are used in the initial rehabilitation and repair of existing buildings, installations, fixtures, and equipment. These costs, therefore, should not be reported under items (2) and (3).

Item (6) includes the labor, supervision, technical services, materials, etc., used in the installation or construction of new buildings, fixed improvements, etc., necessary for the project. These costs, therefore, should not be reported under items (2) and (3).

Item (7) covers miscellaneous types of expenditure such as payroll taxes, liability insurance, workmen's compensation insurance, repairs to equipment and sampling and analysis. Only that part of payroll taxes, liability insurance and workmen's compensation which are paid by the operator should be reported under item (7). The share paid by the employee as a payroll deduction is to be included under item (2) as labor costs.

Item (8) includes any unforeseen costs not included in the other seven categories.

The original of Form MF-104 when submitted for reimbursable expenses incurred under contract Form MF-200 must be supported by original documentation or by certified copies of purchase orders, payrolls or transcripts of payrolls, unless such documentation has been waived by the Regional Executive Officer. This certification may be stated thus, "Certified True Copy (or Transcript)", followed by appropriate signature. If the Executive Officer of the Region determines that a contract under Form MF-200 should have an "on-site" audit, that is, a Government auditor should make an audit of the Operator's books and records of account, the Operator need not support his monthly voucher with original or certified documents except in cases of equipment purchases whose individual costs exceed $50.00. In these cases the original or a certified copy of the purchase order or invoice should be attached to the Monthly Voucher. N. B.—Only the *original* of Form MF-104 is required to be documented. The four copies of Form MF-104 are not to be thus supported.

Form MF-104 submitted for reimbursement under fixed price contracts on Form MF-200 (A), however, are not required to be supported by documentation of any kind. The Operator will submit his claim under item (1) of Form MF-104 by deleting as stated above the word "Independent" and by showing the number of feet or other units immediately after the appropriate descriptive word, such as, drilling, bulldozing, crosscutting, drifting, etc., and giving the "Monthly Total" amount due. "Totals Previously Reported", and "Totals to Date" columns should also be filled in.

GPO 83-38476

Form M[illegible]104A
(April 1952)

Budget Bureau No. 42-R1151
Approval expires 6-30-53.

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
[illegible] 1954

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of April 1953 Docket No. DMEA 2292 Contract No. Idm E 247
Operator's Name AMERICAN ALLOY METALS, INC. Minerals Tungsten
Address Glen, Mont.

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT	
							Units	Unit Costs
Drifting Level	Ft.			6,547.20	176	37.20		
Crosscutting	Ft.			16,103.25	229	70.32		
Raising	Ft.			12,206.41	130	93.90		
~~XXXXX~~ Incline	Ft.			3,330.00	100	33.80		
~~XXXXX~~ Incline	Ft.			3,658.64	110.2	33.20		
Drilling: Core 1952	Ft.			2,783.88	235	11.85		
Drilling: Core	Ft.	1,008.00	126	1,008.00	126	8.00		
Auger								
~~XXXXXX~~ Incline Prep.				750.00				
Trenching								
Test Pits								
Roads and Trails								
WO_3 Assays	Each	268.00	67	336.00	84	4.00		
TOTAL DISTRIBUTED COSTS		1,276.00		46,773.38				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased				3,877.89				
Initial Rehabilitation and Repairs				3,366.89				
New Buildings, Improvements, etc.				6,630.82				
				1,714.60				
TOTAL COSTS		1,276.00		62,363.58				

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

Date May 13, 1953 Operator AMERICAN ALLOY METALS, Inc.

Per Robert N. Roby Title Proj. Mgr.

Robert N. Roby

REMARKS:
PLEASE SEND CHECK TO:
Mr. E. A. Julian
Suite 1225
One Montgomery St.
San Francisco, Calif.

→ NOTE.—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.

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

Preparation of Form MF-104A—Operator's Unit Cost and Progress Report.—Applicable places on Form 104A should be filled in by the Operator. The purpose of this form is twofold as follows: (1) to furnish the supervising engineers and other administrators with statistical information necessary to better determine the progress of the project; and (2) to furnish more permanent information on mining costs for future use. The more important phases of operation on which permanent information is desired have been outlined in the form. There are blank lines, however, for those unusual phases which may need to be reported for a particular project. It will be necessary for the Operator to distribute his costs among the applicable phases reported with the exception of three items the costs of which are not to be distributed by the Operator. These three items are: "Operating Equipment Purchased", "Initial Rehabilitation and Repairs", and "New Buildings, Improvements, etc." The reason for not distributing these items on a monthly basis is doubtless clear to the Operator, since such distribution might well overstate the cost for any one month or period short of the entire contract period.

Form MF-104A has been designed to tie in with Form MF-104 for both monthly and cumulative costs. The "Total Costs" on Form MF-104A for each month should equal the monthly "Total Costs" as reported on Form MF-104. This is also true of the "Total Costs To Date".

In preparing Form MF-104A, it will be necessary frequently to distribute certain costs over a number of items. For instance, supervisory and engineering costs may have to be distributed over several phases, such as, drifting, crosscutting, raising, etc., provided that these items were reported active for the month. Such distributions should be made on the basis of time spent on the various phases, on man days of labor charged to such phases, or on some other equitable basis. "Operating Equipment", "Initial Rehabilitation and Repairs", and "New Buildings Improvements, etc.", will be distributed to the several phases of the project by the Washington Office of DMEA at the close of the project if determined necessary. The last two columns headed "Authorized by Contract" will be filled in by the Operator if such information is found in the contract. This information is usually a part of Exhibit "A" of the contract. A space for remarks has been provided for the use of the Operator to call attention to any unusual circumstances causing excessive or disproportionate unit costs.

GPO 83-38475

COPY

AMERICAN ALLOY METALS, INC.
ONE MONTGOMERY STREET
SAN FRANCISCO 4, CALIFORNIA

PLEASE ADDRESS REPLY TO:
GLEN, MONTANA

May 13, 1953

NARRATIVE
April 1953

Preparation for diamond drilling was started after the incline was finished the first of March. Cut qurts or drill stations were blasted and the water line from Agnes Creek was thawed to provide water for drilling.

Drilling equipment arrived at Brown's Lake March 29. This equipment comprised one Boyles Brothers air drill for underground and a Sprague Henwood gasoline driven drill for the surface holes.

Drill hole 16 was started at the top of the incline at coordinates 30,152.7 E, 9,817.2 N. It was drilled vertically down from a collar altitude of 7,032.2 ft. Core recovery was fair down to 24.0 ft., but from 35 to 45 ft. no core was recovered. Hole 16-A was drilled 6 inches north of hole 16. From about 25 feet down drill runs were limited to 18 to 24 inches. The barrel was dry blockedand pulled. By this method about 75 percent of the core was recovered from hole 16-A. The short runs made drilling very slow and in addition much trouble was encountered by the hornfels caving in the hole. Caved hornfels had to be redrilled with almost every run in the lower part of the hole. Each pull has a number of pieces of hornfels that came out of the top of the core barrel. This hornfels was obviously cave so was not sampled .

Hole 17 was started at cordinates 30,360 E, 9,845 N on surface. The collar of the hole is about 5 feet below the original ground surface and the hole was drilled 22 feet in glacial debris and solid formation was not cut. The holewas drilled with an AX bit andwas reamed with an under reamer on AX casing. The hole was drilled 2 or 3 feet then reamed. This continued until the reaming bit wore completely out. When the casingwas pulled it was impossible to return the rods and casing to the bottom of the hole.

Drilling was temporarily discontinued on May 4.

Form MF-104 (Rev.)
(April 1952)

Budget Bureau No. 42-R1036.3.
Approval expires 6-30-53.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
FEB 2 - 1953

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of January 1953 Docket No. DMEA 2292 Contract No. Idm-E247
Operator's Name AMERICAN ALLOY METALS, INC. Minerals Tungsten
Address Glen, Mont.
Contract Amount, $ 66,914.000 Government Participation: 75 % Amount, $ 50,185.50

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) ~~Independent~~ Short Form Contracts:						
Drilling						
Bulldozing						
Crosscutting						
Drifting 9 ft @ 33.20				298.80		298.80
(2) Labor and Supervision:						
Labor	1,168.34	14,811.88	15,980.22			
Supervision	600.00	5,461.83	6,061.83			
Technical Services						
(3) Operating Mat'ls. and Supplies:		9,767.35	10,325.26			
Timber						
Explosives	245.05					
Pipe						
~~Truck~~ XXX Drill Steel	68.67					
Diesel Fuel	110.67					
Miss. Supplies	133.52					
(4) Operating Equipment:						
Rental	414.00	6,224.21	6,638.21			
Purchase	—	3877.89	3,877.89			
Depreciation	136.00	674.00	810.00			
(5) Initial Rehabilitation and Repairs	—	3,366.89	3,366.89			
(6) New Bldgs., Improvements, etc.	—	6,630.82	6,630.82			
(7) Miscellaneous:						
Repairs to Equipment	—	944.26	944.26			
Sampling and Analysis	39.00	259.00	298.00			
Payroll Taxes	52.58	986.42	1,039.00			
Liability Insurance	135.09	1,429.12	1,564.21			
(8) Contingencies (specify): Office and Travel	169.50	1,610.63	1,780.13			
Excess Footage Cost	—	(1,666.25)	(1,666.25)	24.44	1666.16	[illegible]
TOTALS	3,272.42	54,378.05	57,650.47	322.93	54,378.14	57,602.87

I certify that the above bill is correct and just and that payment therefor has not been received.
Date Feb. 5, 1953 *Payee AMERICAN ALLOY METALS, INC.
Per Robert N. Roby Title Proj. Mgr.

*When a voucher is signed or receipted in the name of a company or corporation, the name of the person writing the company or corporate name, as well as the capacity in which he signs, must appear. For example: "John Doe Company, per John Smith, Secretary," or "Treasurer," as the case may be.

NOTE.—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.

(Instructions on reverse)

Pursuant to authority vested in me, I certify that this account is correct and proper for payment in the amount of:
$ 2418.55
Signature (Authorized Certifying Officer)
Date 2/11/53 Vou. No. 658
(See other side)

Please send check to Mr. E. A. Julian, One Montgomery St., San Francisco, Calif.

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. Idm-E247 in accordance with the terms of the contract.

Signature John L. McNabb Jr. Title Mining Engineer Date 2-7-53

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature /S/ Thomas E Howard Title Mining Engr Date 2/9/53

MONTHLY REPORT OF OPERATOR

The Operator (Contractor) of an exploration project is required to make a monthly report to the Government through the Regional Executive Officer. This report consists of three parts as follows:

(a) *Form MF-104—Operator's Monthly Report and Voucher.*—This form details expenditures and constitutes a voucher for reimbursing the Operator for the Government's share of costs;

(b) *Form MF-104A—Operator's Unit Cost and Progress Report.*—This is a statistical report of expenditures which shows costs for the various types of operation; and

(c) *Narrative.*—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered must be furnished as an attachment to this Report and Voucher. Wherever possible, the narrative is to be illustrated with maps or sketches showing formations penetrated and location and assays of samples taken as well as advances in workings. In the case of diamond drilling or churn drilling, the location and inclination of holes is to be shown on a map; logs and assays also are to be submitted.

The Monthly Report of Operator should be prepared in an original and four copies all of which must be sent to the Executive Officer of the Region not later than the 15th of the month following.

Preparation of Form MF-104—Operator's Monthly Report and Voucher.—All the applicable spaces in Form MF-104 should be filled in by the Operator, and the Operator or his agent should sign the certification in the lower left corner of the form.

The items of costs are arranged in the order they appear in Article 6 (a) of Form MF-200 (Revised February 1952), however, this form is readily adaptable for use in reporting activities under other contract forms.

Under Item (1) delete words "Short Form" if the contract is a sub-contract under Form MF-200; and delete word "Independent" if the contract reported is on Form MF-200 (A). Also, report work paid for on a unit basis under contract Form MF-200 as though it were performed under an independent contract.

Under Item (2) include labor, supervision and technical services incurred for the exploratory operations. Do not include labor, supervision and technical services used for work performed under items (5) and (6).

Under Item (3) include the costs of material and supplies used in the project other than that used under items (5) and (6).

Under Item (4) appear the three types of operating equipment expenditures, that is, rental, purchase and depreciation. The expenditures made for renting equipment belonging to a third party will be reported under "Rental". The amount paid or duly obligated for payment for the purchase of equipment will be reported under "Purchase". The amount of expenditures due the Operator to reimburse him for depreciation of equipment owned will be reported under "Depreciation".

Item (5) comprises costs of labor, supervision, technical services, materials, etc., which are used in the initial rehabilitation and repair of existing buildings, installations, fixtures, and equipment. These costs, therefore, should not be reported under items (2) and (3).

Item (6) includes the labor, supervision, technical services, materials, etc., used in the installation or construction of new buildings, fixed improvements, etc., necessary for the project. These costs, therefore, should not be reported under items (2) and (3).

Item (7) covers miscellaneous types of expenditure such as payroll taxes, liability insurance, workmen's compensation insurance, repairs to equipment and sampling and analysis. Only that part of payroll taxes, liability insurance and workmen's compensation which are paid by the operator should be reported under item (7). The share paid by the employee as a payroll deduction is to be included under item (2) as labor costs.

Item (8) includes any unforeseen costs not included in the other seven categories.

The original of Form MF-104 when submitted for reimbursable expenses incurred under contract Form MF-200 must be supported by original documentation or by certified copies of purchase orders, payrolls or transcripts of payrolls, unless such documentation has been waived by the Regional Executive Officer. This certification may be stated thus, "Certified True Copy (or Transcript)", followed by appropriate signature. If the Executive Officer of the Region determines that a contract under Form MF-200 should have an "on-site" audit, that is, a Government auditor should make an audit of the Operator's books and records of account, the Operator need not support his monthly voucher with original or certified documents except in cases of equipment purchases whose individual costs exceed $50.00. In these cases the original or a certified copy of the purchase order or invoice should be attached to the Monthly Voucher. N. B.—Only the *original* of Form MF-104 is required to be documented. The four copies of Form MF-104 are not to be thus supported.

Form MF-104 submitted for reimbursement under fixed price contracts on Form MF-200 (A), however, are not required to be supported by documentation of any kind. The Operator will submit his claim under item (1) of Form MF-104 by deleting as stated above the word "Independent" and by showing the number of feet or other units immediately after the appropriate descriptive word, such as, drilling, bulldozing, crosscutting, drifting, etc., and giving the "Monthly Total" amount due. "Totals Previously Reported", and "Totals to Date" columns should also be filled in.

GPO 83-38476

Form MF-104A
(April 1952)

Budget Bureau No. 42-R11b.
Approval expires 6-30-53.

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
FEB 2 - 1953

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of January 1953 Docket No. DMEA 2292 Contract No. Idm-E247
Operator's Name AMERICAN ALLOY METALS, INC. Minerals Tungsten
Address Glen, Mont.

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting Level	Ft.	—	—	6547.20 ~~7,253.21~~	176	37.20 ~~41.21~~		
Crosscutting	Ft.	—	—	16,103.25	229	70.32		
Raising	Ft.	—	—	12,206.41	130	93.90		
~~Shafts~~ Incline	Ft.	2511.93 ~~2,058.42~~	85.76 9	3323.73 ~~4,629.47~~ 298.80	~~109~~ 100 9	~~42.47~~ 33.20	33.23	
Winzes								
Drilling: Core	Ft.	—	—	2,783.88	235	11.85		
Churn								
Auger								
~~Improv~~ Incline preparation		—	—	750.00				
Trenching								
Test Pits								
Roads and Trails								
Excess Footage Cost		—		1,666.25				
TOTAL DISTRIBUTED COSTS		2810.73 ~~2,058.42~~		42012.67 ~~42,060.27~~				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased				3,877.89				
Initial Rehabilitation and Repairs				3,366.89				
New Buildings, Improvements, etc.				6,630.82				
Equip. Rental		414.00		1,714.60				
TOTAL COSTS		~~3,070.42~~ 3224.73		~~57,650.47~~ 57602.81				

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

REMARKS:

Date Feb. 5, 1953 Operator AMERICAN ALLOY METALS, INC.

Per Robert N. Roby Title Proj. Mgr.

Robert N. Roby

→ NOTE.—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.

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

Preparation of Form MF–104A—Operator's Unit Cost and Progress Report.—Applicable places on Form 104A should be filled in by the Operator. The purpose of this form is twofold as follows: (1) to furnish the supervising engineers and other administrators with statistical information necessary to better determine the progress of the project; and (2) to furnish more permanent information on mining costs for future use. The more important phases of operation on which permanent information is desired have been outlined in the form. There are blank lines, however, for those unusual phases which may need to be reported for a particular project. It will be necessary for the Operator to distribute his costs among the applicable phases reported with the exception of three items the costs of which are not to be distributed by the Operator. These three items are: "Operating Equipment Purchased", "Initial Rehabilitation and Repairs", and "New Buildings, Improvements, etc." The reason for not distributing these items on a monthly basis is doubtless clear to the Operator, since such distribution might well overstate the cost for any one month or period short of the entire contract period.

Form MF–104A has been designed to tie in with Form MF–104 for both monthly and cumulative costs. The "Total Costs" on Form MF–104A for each month should equal the monthly "Total Costs" as reported on Form MF–104. This is also true of the "Total Costs To Date".

In preparing Form MF–104A, it will be necessary frequently to distribute certain costs over a number of items. For instance, supervisory and engineering costs may have to be distributed over several phases, such as, drifting, crosscutting, raising, etc., provided that these items were reported active for the month. Such distributions should be made on the basis of time spent on the various phases, on man days of labor charged to such phases, or on some other equitable basis. "Operating Equipment", "Initial Rehabilitation and Repairs", and "New Buildings Improvements, etc.", will be distributed to the several phases of the project by the Washington Office of DMEA at the close of the project if determined necessary. The last two columns headed "Authorized by Contract" will be filled in by the Operator if such information is found in the contract. This information is usually a part of Exhibit "A" of the contract. A space for remarks has been provided for the use of the Operator to call attention to any unusual circumstances causing excessive or disproportionate unit costs.

GPO 83-38475

COPY

AMERICAN ALLOY METALS, INC.
ONE MONTGOMERY STREET
SAN FRANCISCO 4, CALIFORNIA

PLEASE ADDRESS REPLY TO:
GLEN, MONTANA

JANUARY NARRATIVE

February 5, 1953

No serious operating difficulties were experienced during the month of January. The weather was exceptionally mild for the time of year, which aided the operation considerably. The several thaws put considerable moisture into the ground with the result that our mine road was improved. Now, except for ice, access to the compressor house is possible with all our cars. Much care must be taken to keep from sliding off the road into the lake.

The tactite in the incline contains numerous layers of hornfels. Much of the hornfels has blebs of tactite within the hornfels. Samples taken from from the incline as shown on the map to accompany this months invoice, include the hornfels bands except as shown. The hornfels bands are seldom over one foot or fourteen inches thick and it is doubtful if they could be removed in mining. . The bedding in the tactite strikes about S.35°E to 30° E. and dips 15 to 20 degrees southwest. It is possible that the beds near the quartz monzonite have been drag or crumpled so that near the contact the beds strike more to the north-south while away from the contact they strike more east-west. The only structural change noted in the incline is numerous cross fractures that strike nearly north and are nearly vertical. Usually they contain from 1/4 in. to 1 in. of gouge. There appears to be no fluorescing minerals in the gouge.

A recent discovery of interest was made in the No. 4 adit. A muck pile was noted in the breast of the west drift. In as much as the quartz monzonite was known in the east drift breast, I mucked part of the rock out of the west heading and discovered the quartz monzonite there, too. However, I didn't have the fluorescent lamp with me. This week when Myers and McMahon were up I took them up to show them the quartz monzonite and took the lamp along. We discovered that along the contact of quartz monzonite and the lower part of the hanging wall tactite bed a zone about 1 ft. thick of quite high grade tactite containing possibly 5 to 7 percent tungsten. Crystals of the scheelite were noted also in the quartzmonzonite. From this it would seem that we can conclude that the proximity to the quartz monzonite should have no impoverishing effect on the tactite. Also it proves that the scheelite is younger than the quartzmonzonite. This is assuming that the igneous rock in these headings is quartz monzonite. It is quite glassy and is highly altered at this point. The conclusion that it is quartz monzonite is based largely on the alignment with known contacts in the Granite adit below.

Robert N. Roby

Robert N. Roby

Form MF-104 (Rev.)
(April 1952)

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Budget Bureau No. 42-R1036.3.
Approval expires 6-30-53.
Defense Minerals Administration
RECEIVED
FEB 10 1953

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of December 195 52 Docket No. DMEA 2292 Contract No. Idm-R247
Operator's Name AMERICAN ALLOY METALS, INC. Minerals Tungsten
Address Glen, Mont.
Contract Amount, $ 56,524 Government Participation: 75 % Amount, $ 42,438

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						WSM
Drilling						
Bulldozing						
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor	1,168.25	13,643.63	14,811.88	1168.25		
Supervision	600.00	4,861.83	5,461.83	600.00		
Technical Services						
(3) Operating Mat'ls. and Supplies:		9,467.34	9,767.35			
Timber	2.40			2.40		
Explosives	49.12			49.12		
Pipe						
Track						
Miss. Op. Supplies	248.49			248.49		
(4) Operating Equipment:						
Rental	414.00	5,810.21	6,224.21	414.00		
Purchase		3,877.89	3,877.89			
Depreciation	136.00	538.00	674.00	136.00		
(5) Initial Rehabilitation and Repairs		3,366.89	3,36689			
(6) New Bldgs., Improvements, etc.		6,630.82	6,630.82			
(7) Miscellaneous:						
Repairs to Equipment		944.26	944.26			
Sampling and Analysis		259.00	259.00			
Payroll Taxes	34.73	951.69	986.42	34.73		
Liability Insurance	129.61	1,299.51	1,429.12	129.61		
(8) Contingencies (specify):						
Office and Travel	152.75	1,457.88	1,610.63	152.75		
Excess Footage cost.	(960.24)	(706.01)	(1,666.25)	[illegible]	[illegible]	[illegible]
TOTALS	1,975.11	52,402.94	54,378.05	1975.20	52402.94	54378.14

I certify that the above bill is correct and just and that payment therefor has not been received.

Date Jan. 8, 1953 *Payee AMERICAN ALLOY METALS, INC.

Per Robert N. Roby Title Proj. Mgr.

*When a voucher is signed or receipted in the name of a company or corporation, the name of the person writing the company or corporate name, as well as the capacity in which he signs, must appear. For example: "John Doe Company, per John Smith, Secretary," or "Treasurer," as the case may be.

NOTE.—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.

(Instructions on reverse)

Pursuant to authority vested in me, I certify that this account is correct and proper for payment in the amount of:

$ 1481 40

Signature
(Authorized Certifying Officer)

Date 2/19/53 Vou. No. 650

(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. Idm-E247 in accordance with the terms of the contract.

Signature John D. McNabb Jr. Title Mining Engineer Date 1-27-53

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature /s/ Thomas E Howard Title Mining Engr Date 1/28/53

MONTHLY REPORT OF OPERATOR

The Operator (Contractor) of an exploration project is required to make a monthly report to the Government through the Regional Executive Officer. This report consists of three parts as follows:

(a) *Form MF-104—Operator's Monthly Report and Voucher.*—This form details expenditures and constitutes a voucher for reimbursing the Operator for the Government's share of costs;

(b) *Form MF-104A—Operator's Unit Cost and Progress Report.*—This is a statistical report of expenditures which shows costs for the various types of operation; and

(c) *Narrative.*—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered must be furnished as an attachment to this Report and Voucher. Wherever possible, the narrative is to be illustrated with maps or sketches showing formations penetrated and location and assays of samples taken as well as advances in workings. In the case of diamond drilling or churn drilling, the location and inclination of holes is to be shown on a map; logs and assays also are to be submitted.

The Monthly Report of Operator should be prepared in an original and four copies all of which must be sent to the Executive Officer of the Region not later than the 15th of the month following.

Preparation of Form MF-104—Operator's Monthly Report and Voucher.—All the applicable spaces in Form MF-104 should be filled in by the Operator, and the Operator or his agent should sign the certification in the lower left corner of the form.

The items of costs are arranged in the order they appear in Article 6 (a) of Form MF-200 (Revised February 1952), however, this form is readily adaptable for use in reporting activities under other contract forms.

Under Item (1) delete words "Short Form" if the contract is a sub-contract under Form MF-200; and delete word "Independent" if the contract reported is on Form MF-200 (A). Also, report work paid for on a unit basis under contract Form MF-200 as though it were performed under an independent contract.

Under Item (2) include labor, supervision and technical services incurred for the exploratory operations. Do not include labor, supervision and technical services used for work performed under items (5) and (6).

Under Item (3) include the costs of material and supplies used in the project other than that used under items (5) and (6).

Under Item (4) appear the three types of operating equipment expenditures, that is, rental, purchase and depreciation. The expenditures made for renting equipment belonging to a third party will be reported under "Rental". The amount paid or duly obligated for payment for the purchase of equipment will be reported under "Purchase". The amount of expenditures due the Operator to reimburse him for depreciation of equipment owned will be reported under "Depreciation".

Item (5) comprises costs of labor, supervision, technical services, materials, etc., which are used in the initial rehabilitation and repair of existing buildings, installations, fixtures, and equipment. These costs, therefore, should not be reported under items (2) and (3).

Item (6) includes the labor, supervision, technical services, materials, etc., used in the installation or construction of new buildings, fixed improvements, etc., necessary for the project. These costs, therefore, should not be reported under items (2) and (3).

Item (7) covers miscellaneous types of expenditure such as payroll taxes, liability insurance, workmen's compensation insurance, repairs to equipment and sampling and analysis. Only that part of payroll taxes, liability insurance and workmen's compensation which are paid by the operator should be reported under item (7). The share paid by the employee as a payroll deduction is to be included under item (2) as labor costs.

Item (8) includes any unforeseen costs not included in the other seven categories.

The original of Form MF-104 when submitted for reimbursable expenses incurred under contract Form MF-200 must be supported by original documentation or by certified copies of purchase orders, payrolls or transcripts of payrolls, unless such documentation has been waived by the Regional Executive Officer. This certification may be stated thus, "Certified True Copy (or Transcript)", followed by appropriate signature. If the Executive Officer of the Region determines that a contract under Form MF-200 should have an "on-site" audit, that is, a Government auditor should make an audit of the Operator's books and records of account, the Operator need not support his monthly voucher with original or certified documents except in cases of equipment purchases whose individual costs exceed $50.00. In these cases the original or a certified copy of the purchase order or invoice should be attached to the Monthly Voucher. N. B.—Only the *original* of Form MF-104 is required to be documented. The four copies of Form MF-104 are not to be thus supported.

Form MF-104 submitted for reimbursement under fixed price contracts on Form MF-200 (A), however, are not required to be supported by documentation of any kind. The Operator will submit his claim under item (1) of Form MF-104 by deleting as stated above the word "Independent" and by showing the number of feet or other units immediately after the appropriate descriptive word, such as, drilling, bulldozing, crosscutting, drifting, etc., and giving the "Monthly Total" amount due. "Totals Previously Reported", and "Totals to Date" columns should also be filled in.

GPO 83-38476

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151
Approval expires 6-30-53.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
FEB 1 0 1953

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of December 1952 Docket No. DMEA 2292 Contract No. Idm-E 247
Operator's Name AMERICAN ALLOY METALS, INC. Minerals Tungsten
Address Glen, Mont.

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting Level	Ft.	*	-	7,253.21	176	41.21		
Crosscutting	Ft.	-	-	16,103.25	229	70.32		
Raising	Ft.	-	-	12,206.41	130	93.90		
~~XXXXX~~ Incline	Ft.	1,771.35	24	1,771.35	24	73.81		
Winzes								
Drilling: Core	Ft.	-		2,783.88	235	11.85		
Churn								
Auger								
~~XXXXX~~ Incline Prep.		750.00		750.00				
Trenching								
Test Pits								
Roads and Trails								
Excess Footage Cost		* (960.24)		1,666.25				
TOTAL DISTRIBUTED COSTS		1,561.11		39,201.85				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased				3,877.89				
Initial Rehabilitation and Repairs				3,366.89				
New Buildings, Improvements, etc.				6,630.82				
Equipment Rental		414.00		1,300.60				
TOTAL COSTS		1,975.11		54,378.05				

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

Date Jan. 8, 1953 Operator AMERICAN ALLOY METALS, INC.

Per Robert N. Roby Title Proj. Mgr.

* Maximum allowable on incline $33.80/ ft.

NOTE.—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.

REMARKS:
Please send check to :
Mr. E. A. Julian
Suite 1225
One Montgomery St.
San Francisco, Calif.

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

Preparation of Form MF–104A—Operator's Unit Cost and Progress Report.—Applicable places on Form 104A should be filled in by the Operator. The purpose of this form is twofold as follows: (1) to furnish the supervising engineers and other administrators with statistical information necessary to better determine the progress of the project; and (2) to furnish more permanent information on mining costs for future use. The more important phases of operation on which permanent information is desired have been outlined in the form. There are blank lines, however, for those unusual phases which may need to be reported for a particular project. It will be necessary for the Operator to distribute his costs among the applicable phases reported with the exception of three items the costs of which are not to be distributed by the Operator. These three items are: "Operating Equipment Purchased", "Initial Rehabilitation and Repairs", and "New Buildings, Improvements, etc." The reason for not distributing these items on a monthly basis is doubtless clear to the Operator, since such distribution might well overstate the cost for any one month or period short of the entire contract period.

Form MF–104A has been designed to tie in with Form MF–104 for both monthly and cumulative costs. The "Total Costs" on Form MF–104A for each month should equal the monthly "Total Costs" as reported on Form MF–104. This is also true of the "Total Costs To Date".

In preparing Form MF–104A, it will be necessary frequently to distribute certain costs over a number of items. For instance, supervisory and engineering costs may have to be distributed over several phases, such as, drifting, crosscutting, raising, etc., provided that these items were reported active for the month. Such distributions should be made on the basis of time spent on the various phases, on man days of labor charged to such phases, or on some other equitable basis. "Operating Equipment", "Initial Rehabilitation and Repairs", and "New Buildings Improvements, etc.", will be distributed to the several phases of the project by the Washington Office of DMEA at the close of the project if determined necessary. The last two columns headed "Authorized by Contract" will be filled in by the Operator if such information is found in the contract. This information is usually a part of Exhibit "A" of the contract. A space for remarks has been provided for the use of the Operator to call attention to any unusual circumstances causing excessive or disproportionate unit costs.

GPO 83-38475

COPY

AMERICAN ALLOY METALS, INC.
ONE MONTGOMERY STREET
SAN FRANCISCO 4, CALIFORNIA

PLEASE ADDRESS REPLY TO:
GLEN, MONTANA

NARRATIVE

January 6, 19[illegible]

DECEMBER 1952

Progress on getting started with the incline was slow owing to the cold weather and snow conditions. It has been necessary to plow the canyon road to get into camp. However, the road from camp to the compressor house is still to narrow and uneven to put the big truck and the snow blade over it. The only difficulty encountered so far on the mine road is caused by the fact that the ground was so dry that it did not freeze before the snow started falling. It is now a frequent occurrence for the truck wheels to slide off the packed snow tracks and to dig into the soft loose dirt underneath the snow. This aggravates the condition and makes the road a "fluffy mess" of snow and loose dirt.

The gravity water line from Agate Creek froze the first of the month. The line came down over the mountain for a vertical distance of about 300 feet. It went into the adit for 200 feet where it joined a line leading to the heading, then continued back out of the adit where it wasted continuously over the dump. There was sufficient pressure for drilling even with the continuous waste. However, one night when the temperature dropped to 10 degrees below zero the water line froze. Two days were required to pull the pipe off the hill, thaw it and re-lay it. It was re-laid so as not to go into the mine but just wasted directly over the dump without any valves or restrictions what ever. A pressure tank on a dolly was provided which was filled from the line and trammed into the mine. Water was forced to the incline heading with air pressure. Even this system didn't work long as the waterline froze again!

The present system utilizes a second pressure tank on the big truck. Water is loaded into the tank at camp, hauled to the compressor house and forced by air pressure to the second tank on the doll y at the adit portal. The line is completely drained between trips. The tanks hold 300 gallons and one filling will provide drilling water for three or four shifts.

The bedding planes in the tactite have a strike of about S.30°E. and dip about 30° SW.; consequently, the apparent dip in the plane of the incline is the same as the inclination of the incline. So far the incline has been essentially a drift. In the last round or so the bedding strike has changed more to the east and therefor we are beginning to raise up through the bedding. Eighteen inches to two feet of limestone has been exposed in the incline. It is now going out at the bottom.

The slusher works nicely; rounds can be muked out at present in about 2 hours. This time will naturally increase as the incline lengthens. Some difficulty is encountered with the slusher hoist freezing. An exhaust hose line is now being tried in an effort to eliminate this trouble.

Unless additional unforeseen difficulties arrise we should make good progress in January and thereby reduce our costs per foot greatly.

Form MF-104 (Rev.)
April 1957

Budget Bureau No. 42-R1036.3.
Approval expires 6-30-53.

12/12/52

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of November 1952 Docket No. DMEA 2292 Contract No. Idm-2247
Operator's Name AMERICAN ALLOY METALS, INC. Minerals Tungsten
Address Glen, Mont.
Contract Amount, $ 56,524 Government Participation: 75 % Amount, $ 42,438

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling		2,783.88	2,783.88			
Bulldozing						
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor	2,395.11	10,225.75	12,620.86	2,395.11	11,248.52	13,643.63
Supervision	600.00	3,930.51	4,530.51	600.00	4,261.83	4,861.83
Technical Services						
(3) Operating Mat'ls. and Supplies:		7,661.48	9,311.57			
XXXXX Miss. Operat. Timber	237.74			237.74	4,091.07	4,328.81
Explosives	524.60			524.60	2,088.83	2,613.43
Pipe	56.00			381.42	210.10	591.52
Track	325.42				144.14	144.14
Diesel fuel	232.61			232.61	699.28	931.89
Drill steel	137.40			137.40	720.15	857.55
Repair parts	136.32					
(4) Operating Equipment:	689.00	5,901.58	6,590.58	689.00	5121.21	5810.21
Rental		3,962.26	3,962.26		3877.89	3877.89
Purchase	106.00	540.00	646.00	106.00	432.00	538.00
Depreciation		2,327.48	2,327.48		3366.89	3366.89
(5) Initial Rehabilitation and Repairs		7,206.23	7,206.23		6630.82	6630.82
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment				136.32	807.94	944.26
Sampling and Analysis	49.00	210.00	259.00	49.00	210.00	259.00
Payroll Taxes	93.03	791.33	884.36	93.03	858.66	951.69
Liability Insurance	218.30	952.80	1,171.10	218.30	1,081.21	1,299.51
(8) Contingencies (specify):						
Office & Travel	152.56	2,158.82	2,311.38	152.56	1,305.32	1,457.88
Contingencies		586.49	586.49			
Overage On Drifting				Total		Total
TOTALS	5,953.09	49,238.61	55,191.70	5,247.08	47,155.86	52,402.94

I certify that the above bill is correct and just and that payment therefor has not been received.

Date Dec. 4, 1952 *Payee AMERICAN ALLOY METALS, INC.

Per Robert N. Roby Title Project Mgr.

*When a voucher is signed or receipted in the name of a company or corporation, the name of the person writing the company or corporate name, as well as the capacity in which he signs, must appear. For example: "John Doe Company, per John Smith, Secretary," or "Treasurer," as the case may be.

NOTE.—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.

(Instructions on reverse)

Pursuant to authority vested in me, I certify that this account is correct and proper for payment in the amount of:

$ 3,935.31

Signature
(Authorized Certifying Officer)

Date 12/5/52 Vou. No.
(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. 247 in accordance with the terms of the contract.

Signature [illegible] Title Min Eng Date 12/4/52

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature [illegible] Title Min Eng Date 12/4/52

MONTHLY REPORT OF OPERATOR

The Operator (Contractor) of an exploration project is required to make a monthly report to the Government through the Regional Executive Officer. This report consists of three parts as follows:

(a) *Form MF-104—Operator's Monthly Report and Voucher.*—This form details expenditures and constitutes a voucher for reimbursing the Operator for the Government's share of costs;

(b) *Form MF-104A—Operator's Unit Cost and Progress Report.*—This is a statistical report of expenditures which shows costs for the various types of operation; and

(c) *Narrative.*—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered must be furnished as an attachment to this Report and Voucher. Wherever possible, the narrative is to be illustrated with maps or sketches showing formations penetrated and location and assays of samples taken as well as advances in workings. In the case of diamond drilling or churn drilling, the location and inclination of holes is to be shown on a map; logs and assays also are to be submitted.

The Monthly Report of Operator should be prepared in an original and four copies all of which must be sent to the Executive Officer of the Region not later than the 15th of the month following.

Preparation of Form MF-104—Operator's Monthly Report and Voucher.—All the applicable spaces in Form MF-104 should be filled in by the Operator, and the Operator or his agent should sign the certification in the lower left corner of the form.

The items of costs are arranged in the order they appear in Article 6 (a) of Form MF-200 (Revised February 1952), however, this form is readily adaptable for use in reporting activities under other contract forms.

Under Item (1) delete words "Short Form" if the contract is a sub-contract under Form MF-200; and delete word "Independent" if the contract reported is on Form MF-200 (A). Also, report work paid for on a unit basis under contract Form MF-200 as though it were performed under an independent contract.

Under Item (2) include labor, supervision and technical services incurred for the exploratory operations. Do not include labor, supervision and technical services used for work performed under items (5) and (6).

Under Item (3) include the costs of material and supplies used in the project other than that used under items (5) and (6).

Under Item (4) appear the three types of operating equipment expenditures, that is, rental, purchase and depreciation. The expenditures made for renting equipment belonging to a third party will be reported under "Rental". The amount paid or duly obligated for payment for the purchase of equipment will be reported under "Purchase". The amount of expenditures due the Operator to reimburse him for depreciation of equipment owned will be reported under "Depreciation".

Item (5) comprises costs of labor, supervision, technical services, materials, etc., which are used in the initial rehabilitation and repair of existing buildings, installations, fixtures, and equipment. These costs, therefore, should not be reported under items (2) and (3).

Item (6) includes the labor, supervision, technical services, materials, etc., used in the installation or construction of new buildings, fixed improvements, etc., necessary for the project. These costs, therefore, should not be reported under items (2) and (3).

Item (7) covers miscellaneous types of expenditure such as payroll taxes, liability insurance, workmen's compensation insurance, repairs to equipment and sampling and analysis. Only that part of payroll taxes, liability insurance and workmen's compensation which are paid by the operator should be reported under item (7). The share paid by the employee as a payroll deduction is to be included under item (2) as labor costs.

Item (8) includes any unforeseen costs not included in the other seven categories.

The original of Form MF-104 when submitted for reimbursable expenses incurred under contract Form MF-200 must be supported by original documentation or by certified copies of purchase orders, payrolls or transcripts of payrolls, unless such documentation has been waived by the Regional Executive Officer. This certification may be stated thus, "Certified True Copy (or Transcript)", followed by appropriate signature. If the Executive Officer of the Region determines that a contract under Form MF-200 should have an "on-site" audit, that is, a Government auditor should make an audit of the Operator's books and records of account, the Operator need not support his monthly voucher with original or certified documents except in cases of equipment purchases whose individual costs exceed $50.00. In these cases the original or a certified copy of the purchase order or invoice should be attached to the Monthly Voucher. N. B.—Only the *original* of Form MF-104 is required to be documented. The four copies of Form MF-104 are not to be thus supported.

Form MF-104 submitted for reimbursement under fixed price contracts on Form MF-200 (A), however, are not required to be supported by documentation of any kind. The Operator will submit his claim under item (1) of Form MF-104 by deleting as stated above the word "Independent" and by showing the number of feet or other units immediately after the appropriate descriptive word, such as, drilling, bulldozing, crosscutting, drifting, etc., and giving the "Monthly Total" amount due. "Totals Previously Reported", and "Totals to Date" columns should also be filled in.

GPO 83-38476

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151
Approval expires 6-30-53.

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of November 1952 Docket No. DMEA 2292 Contract No. Idm-E 247
Operator's Name AMERICAN ALLOY METALS, INC. Minerals Tungsten
Address GLEN, MONT.

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting Level	Ft.	5,264.09	121	7,253.21	176	41.21		
Crosscutting	Ft.			12,668.25	229	55.76		
Raising	Ft.			11,519.40	130	88.61		
Shafts								
Winzes								
Drilling: Core	Ft.			2,783.88	235	11.85		
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		5,264.09		34,224.74				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased				3,962.26				
Initial Rehabilitation and Repairs				5,893.82				
New Buildings, Improvements, etc.				10,224.28				
Equip Rental		689.00		[illegible]				
TOTAL COSTS		5,953.09		[illegible]				

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

REMARKS:

Date Dec. 4, 1952 Operator AMERICAN ALLOY METALS, INC.

Per Robert N. Roby Title Proj. Mgr.

NOTE.—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.

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

Preparation of Form MF-104A—Operator's Unit Cost and Progress Report.—Applicable places on Form 104A should be filled in by the Operator. The purpose of this form is twofold as follows: (1) to furnish the supervising engineers and other administrators with statistical information necessary to better determine the progress of the project; and (2) to furnish more permanent information on mining costs for future use. The more important phases of operation on which permanent information is desired have been outlined in the form. There are blank lines, however, for those unusual phases which may need to be reported for a particular project. It will be necessary for the Operator to distribute his costs among the applicable phases reported with the exception of three items the costs of which are not to be distributed by the Operator. These three items are: "Operating Equipment Purchased", "Initial Rehabilitation and Repairs", and "New Buildings, Improvements, etc." The reason for not distributing these items on a monthly basis is doubtless clear to the Operator, since such distribution might well overstate the cost for any one month or period short of the entire contract period.

Form MF-104A has been designed to tie in with Form MF-104 for both monthly and cumulative costs. The "Total Costs" on Form MF-104A for each month should equal the monthly "Total Costs" as reported on Form MF-104. This is also true of the "Total Costs To Date".

In preparing Form MF-104A, it will be necessary frequently to distribute certain costs over a number of items. For instance, supervisory and engineering costs may have to be distributed over several phases, such as, drifting, crosscutting, raising, etc., provided that these items were reported active for the month. Such distributions should be made on the basis of time spent on the various phases, on man days of labor charged to such phases, or on some other equitable basis. "Operating Equipment", "Initial Rehabilitation and Repairs", and "New Buildings Improvements, etc.", will be distributed to the several phases of the project by the Washington Office of DMEA at the close of the project if determined necessary. The last two columns headed "Authorized by Contract" will be filled in by the Operator if such information is found in the contract. This information is usually a part of Exhibit "A" of the contract. A space for remarks has been provided for the use of the Operator to call attention to any unusual circumstances causing excessive or disproportionate unit costs.

GPO 83-38475

AMERICAN ALLOY METALS, INC.
GLEN, MONT.

The west drift continued in quartz monzonite for about 25 feet from the start of the month. At this point tactite was picked up in the upper left hand corner of the drift with brecciated limestone on the right side of the drift.

The strike of the tactite first was N. 30°W. but the strike soon changed to N. 45° W. The drift was turned N. 52° W. so that at the end of the drift the limestone showed only in the bottom and up the right wall about one foot. The Tactite dips from 25 to 20 degrees SW. It appeared to be flattening to the northwest.

The tactite in the west drift does not fluoresce good. Two samples across the drift face were analyzed in the McCarthy Laboratory in Butte. The returns were 0.085 WO_3 and 0.02WO_3.

It was decided not to continue the west drift farther at this time. Instead and intermediate drift from the raise was planned. This east intermediate will start at the footwall in the raise about 40 feet above the level and will be driven about 82° E for approximately 200 feet at an inclination of 25° above the horizontal. This working will explore a strike length of about 200 feet as well as crosscut the beds. Short hole drilling may later be done from the intermediate.

AMERICAN ALLOY METALS, INC.
Robert N. Reby
Robert N. Reby, Proj. Mgr.

Form MF-104 (Rev.)
(April 1952)

Budget Bureau No. 42-R1036.3.
Approval expires 6-30-53.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Defense Minerals Administration
RECEIVED
DEC 8 1952

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of October 2 1952 Docket No. DMEA 2292 Contract No. Idm-E247
Operator's Name AMERICAN ALLOY METALS, INC. Minerals Tungsten
Address Glen, Montana
Contract Amount, $ 56,584 Government Participation: 75% Amount, $ 42,438

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:	1,222.34	1,561.54	2,783.88			
Drilling						
Bulldozing						
Crosscutting						
Drifting						
(2) Labor and Supervision:	844.47	9,381.28	10,225.75	149.55	9752.97	11,248.52
Labor	176.20	3,754.31	3,930.51	312.03	3949.80	4261.83
Supervision						
Technical Services						
(3) Operating Mat'ls and Supplies: ~~Misc. Supplies~~	229.56	7,046.74	7,661.48	453.55	3637.52	4091.07
Timber	131.60			131.60	1957.23	2088.83
Explosives ~~and Track~~	210.10			210.10		210.10
Pipe					144.14	144.14
Track ~~Diesel Fuel~~	41.09			74.08	625.20	699.28
~~Drill Steel~~	2.39			2.39	717.76	720.15
(4) Operating Equipment:	197.60	5,703.98	5,901.58	291.16	4830.05	5121.21
Rental		3,962.26	3,962.26		3877.89	3877.89
Purchase	60.00	480.00	540.00	60.00	372.00	432.00
Depreciation		2,327.48	2,327.48		3366.89	3366.89
(5) Initial Rehabilitation and Repairs	898.43	6,307.80	7,206.23	898.43	5732.39	6630.82
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment		210.00	210.00		807.94	807.94
Sampling and Analysis					210.00	210.00
Payroll Taxes	38.00	753.33	791.33	67.30	791.36	858.66
Liability Insurance	72.12	880.68	952.80	127.71	953.50	1081.21
(8) Contingencies (specify) ~~Office & Travel~~	183.59	1,975.23	2,158.82	183.59	1121.73	1,305.32
		586.49	586.49			
TOTALS	4,307.49	44,931.12	49,238.61	4307.49	42,848.37	47,155.86

I certify that the above bill is correct and just and that payment therefor has not been received.

Date Nov. 28, 1952 *Payee AMERICAN ALLOY METALS, INC.

Per Robert N. Raby Title Project Mgr.

*When a voucher is signed or receipted in the name of a company or corporation, the name of the person writing the company or corporate name, as well as the capacity in which he signs, must appear. For example: "John Doe Company, per John Smith, Secretary," or "Treasurer," as the case may be.

NOTE.—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.

(Instructions on reverse)

*Per Amendment No. 4

Pursuant to authority vested in me, I certify that this account is correct and proper for payment in the amount of:

$ 3,230.62

Signature
(Authorized Certifying Officer)

Date 12/5/52 Vou. No.
(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. E 247 in accordance with the terms of the contract.

Signature Horace J Reno Title Min Engr Date 12-1-52

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature Thomas E Howard Title Min Engr Date 12-1-52

MONTHLY REPORT OF OPERATOR

The Operator (Contractor) of an exploration project is required to make a monthly report to the Government through the Regional Executive Officer. This report consists of three parts as follows:

(a) *Form MF-104—Operator's Monthly Report and Voucher.*—This form details expenditures and constitutes a voucher for reimbursing the Operator for the Government's share of costs;

(b) *Form MF-104A—Operator's Unit Cost and Progress Report.*—This is a statistical report of expenditures which shows costs for the various types of operation; and

(c) *Narrative.*—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered must be furnished as an attachment to this Report and Voucher. Wherever possible, the narrative is to be illustrated with maps or sketches showing formations penetrated and location and assays of samples taken as well as advances in workings. In the case of diamond drilling or churn drilling, the location and inclination of holes is to be shown on a map; logs and assays also are to be submitted.

The Monthly Report of Operator should be prepared in an original and four copies all of which must be sent to the Executive Officer of the Region not later than the 15th of the month following.

Preparation of Form MF-104—Operator's Monthly Report and Voucher.—All the applicable spaces in Form MF-104 should be filled in by the Operator, and the Operator or his agent should sign the certification in the lower left corner of the form.

The items of costs are arranged in the order they appear in Article 6 (a) of Form MF-200 (Revised February 1952), however, this form is readily adaptable for use in reporting activities under other contract forms.

Under Item (1) delete words "Short Form" if the contract is a sub-contract under Form MF-200; and delete word "Independent" if the contract reported is on Form MF-200 (A). Also, report work paid for on a unit basis under contract Form MF-200 as though it were performed under an independent contract.

Under Item (2) include labor, supervision and technical services incurred for the exploratory operations. Do not include labor, supervision and technical services used for work performed under items (5) and (6).

Under Item (3) include the costs of material and supplies used in the project other than that used under items (5) and (6).

Under Item (4) appear the three types of operating equipment expenditures, that is, rental, purchase and depreciation. The expenditures made for renting equipment belonging to a third party will be reported under "Rental". The amount paid or duly obligated for payment for the purchase of equipment will be reported under "Purchase". The amount of expenditures due the Operator to reimburse him for depreciation of equipment owned will be reported under "Depreciation".

Item (5) comprises costs of labor, supervision, technical services, materials, etc., which are used in the initial rehabilitation and repair of existing buildings, installations, fixtures, and equipment. These costs, therefore, should not be reported under items (2) and (3).

Item (6) includes the labor, supervision, technical services, materials, etc., used in the installation or construction of new buildings, fixed improvements, etc., necessary for the project. These costs, therefore, should not be reported under items (2) and (3).

Item (7) covers miscellaneous types of expenditure such as payroll taxes, liability insurance, workmen's compensation insurance, repairs to equipment and sampling and analysis. Only that part of payroll taxes, liability insurance and workmen's compensation which are paid by the operator should be reported under item (7). The share paid by the employee as a payroll deduction is to be included under item (2) as labor costs.

Item (8) includes any unforeseen costs not included in the other seven categories.

The original of Form MF-104 when submitted for reimbursable expenses incurred under contract Form MF-200 must be supported by original documentation or by certified copies of purchase orders, payrolls or transcripts of payrolls, unless such documentation has been waived by the Regional Executive Officer. This certification may be stated thus, "Certified True Copy (or Transcript)", followed by appropriate signature. If the Executive Officer of the Region determines that a contract under Form MF-200 should have an "on-site" audit, that is, a Government auditor should make an audit of the Operator's books and records of account, the Operator need not support his monthly voucher with original or certified documents except in cases of equipment purchases whose individual costs exceed $50.00. In these cases the original or a certified copy of the purchase order or invoice should be attached to the Monthly Voucher. N. B.—Only the *original* of Form MF-104 is required to be documented. The four copies of Form MF-104 are not to be thus supported.

Form MF-104 submitted for reimbursement under fixed price contracts on Form MF-200 (A), however, are not required to be supported by documentation of any kind. The Operator will submit his claim under item (1) of Form MF-104 by deleting as stated above the word "Independent" and by showing the number of feet or other units immediately after the appropriate descriptive word, such as, drilling, bulldozing, crosscutting, drifting, etc., and giving the "Monthly Total" amount due. "Totals Previously Reported", and "Totals to Date" columns should also be filled in.

GPO 83-38476

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151
Approval expires 6-30-53.

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
DEC 8 1952

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of October 1952 Docket No. DMEA 2292 Contract No. Idm -E247
Operator's Name AMERICAN ALLOY METALS, INC. Minerals Tungsten
Address Glen, Montana

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting Level	Ft.	1989.12	55.0	1989.12	55	36.17		
Crosscutting	Ft.	-		12668.25	229.0	55.76		
Raising	Ft.	-		11519.40	130.0	88.61		
Shafts								
Winzes								
Drilling: Core	Ft.	1222.34	125.00	2783.88	235.00	11.85		
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		3211.46		28960.65				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased		-		3692.26				
Initial Rehabilitation and Repairs		-		5893.82				
New Buildings, Improvements, etc.		898.43		10224.28				
Equip. Rental		197.60		197.60				
TOTAL COSTS		4307.49		49238.61				

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

Date Nov. 28, 1952 Operator AMERICAN ALLOY METALS, INC.

Per Robert N. Roby Title Project Manager

REMARKS:

→ NOTE.—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.

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

Preparation of Form MF–104A—Operator's Unit Cost and Progress Report.—Applicable places on Form 104A should be filled in by the Operator. The purpose of this form is twofold as follows: (1) to furnish the supervising engineers and other administrators with statistical information necessary to better determine the progress of the project; and (2) to furnish more permanent information on mining costs for future use. The more important phases of operation on which permanent information is desired have been outlined in the form. There are blank lines, however, for those unusual phases which may need to be reported for a particular project. It will be necessary for the Operator to distribute his costs among the applicable phases reported with the exception of three items the costs of which are not to be distributed by the Operator. These three items are: "Operating Equipment Purchased", "Initial Rehabilitation and Repairs", and "New Buildings, Improvements, etc." The reason for not distributing these items on a monthly basis is doubtless clear to the Operator, since such distribution might well overstate the cost for any one month or period short of the entire contract period.

Form MF–104A has been designed to tie in with Form MF–104 for both monthly and cumulative costs. The "Total Costs" on Form MF–104A for each month should equal the monthly "Total Costs" as reported on Form MF–104. This is also true of the "Total Costs To Date".

In preparing Form MF–104A, it will be necessary frequently to distribute certain costs over a number of items. For instance, supervisory and engineering costs may have to be distributed over several phases, such as, drifting, crosscutting, raising, etc., provided that these items were reported active for the month. Such distributions should be made on the basis of time spent on the various phases, on man days of labor charged to such phases, or on some other equitable basis. "Operating Equipment", "Initial Rehabilitation and Repairs", and "New Buildings Improvements, etc.", will be distributed to the several phases of the project by the Washington Office of DMEA at the close of the project if determined necessary. The last two columns headed "Authorized by Contract" will be filled in by the Operator if such information is found in the contract. This information is usually a part of Exhibit "A" of the contract. A space for remarks has been provided for the use of the Operator to call attention to any unusual circumstances causing excessive or disproportionate unit costs.

GPO 83-38475

COPY

AMERICAN ALLOY METALS, INC.
ONE MONTGOMERY STREET
SAN FRANCISCO 4, CALIFORNIA

PLEASE ADDRESS REPLY TO:
GLEN, MONTANA

November 28, 1952

Narrative - October

The diamond drill hole at the portal of the No. 4 working was abandoned at 60 ft. after a bit spun off under 5 feet of cave.

Another diamond drill hole was drilled into the east wall of the granite adit near the raise. This hole was drilled S. 63 degrees E. plus 8 degrees for 100 feet. The granite-quartz monzonite contact was cut at 60 feet.

On October 24th a cross-cut drift was started at a point east of the raise. This working cut the granite-quartzite monzonite contact at the junction of the three formations. The granite near the contact has in it inclusions of quartzite and quartz monzonite. The cross cut drift was advanced 55 ft. during the month.

Robert N. Roby

Robert N. Roby

COPY

AMERICAN ALLOY METALS, INC.
ONE MONTGOMERY STREET
SAN FRANCISCO 4, CALIFORNIA

PLEASE ADDRESS REPLY TO:
GLEN, MONTANA

November 28, 1952

October Diamond Drilling

Bits used in holes #42 & 43 (160 ft.)	254.32
October diamond drill materials except diamonds	137.97
October labor diamond drill	591.82
Supervision	135.83
Cook	59.26
Payroll tax	29.30
Liability insurance	55.59
Compressor rental (.226 x 414.00)	93.56
Diesel fuel (.226 x 145.98)	32.99
TOTAL OCTOBER COSTS	$1,390.64
Less material on hand Chd'on MF104	168.30
	$1,222.34

October Drift

Labor	767.60
Supervision	176.20
Cook	76.87
Payroll tax	38.00
Liability insurance	72.12
Explosives	131.60
Diesel fuel (.2815 x 145.98)	41.09
Drill Steel	2.39
Miscellaneous supplies	229.56
Depreciation	60.00
Office and travel	183.59
Pipe and track	210.10
	$1,989.12

Equipment Rental

Mucking Machine (8/30 of $325.00)	86.66
Compressor (8/30 of $414.00)	110.40
	$ 197.06

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

1201 N. Division St.
Spokane 2, Washington

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT 27 1952

October 13, 1952

MEMORANDUM

To: DMEA Field Team, Region II

From: John S. McNabb, Mining Engineer, Bureau of Mines

Subject: Routine inspection of the Brown's Lake tungsten property, American Alloy Metals, Contract Idm-E247, Beaverhead County, Montana, Docket No. DMEA 2292 (tungsten)

An inspection of the Brown's Lake tungsten mine was made on October 9, 1952. During the past month the raise from the main adit has been completed and sampled, diamond drill hole No. 16 was drilled to a depth of 60 feet and abandoned, and a road improvement project has been undertaken.

The raise from the main adit was carried to a total height of 130 feet. The raise is vertical to a height of 110 feet; the last 20 feet of the raise is inclined to an angle of 56°. Mr. Roby, engineer in charge, has cut 17 channel samples in the raise. Assay returns are not yet available.

Diamond drill hole No. 16 which was drilled from the adit of the old No. 4 workings down the dip of the tactite body in an effort to determine the position of the quartz monzonite was lost at a depth of 60 feet. At the 60-foot depth the bit was lost in the hole and the hole abandoned. Except for the first 13 feet of DDH 16 the entire hole was in tactite.

The access road to the mine is being improved at the present time. Large rocks on the roadway are being drilled and blasted. a D-6 bulldozer is levelling the road bed. A small part of the road has been rerouted. Also, a turn-around is being cut at the compressor station. Access road improvement has been sorely needed at this property, and I feel certain that this road improvement project will not only save excessive wear and tear on equipment, but will result in lower unit costs for underground work at the main adit.

The next phase of exploration at the property will consist of drifting along the main tactite zone. A proposal has been submitted by the American Alloy Metals Co. to continue the main adit in order to accomplish this exploration rather than to begin a drift off of the raise as originally planned. This proposal is under consideration at the present time.

John S. McNabb

CC: 3-Wash.
2-USGS
DMEA
M/D
JSM

JSM:kt

Standard Form No. 1034a—Revised
Form prescribed by
Comptroller General, U. S.
September 7, 1950
(Gen. Reg. No. 51, Supp. No. 11)

PUBLIC VOUCHER FOR PURCHASES AND SERVICES OTHER THAN PERSONAL

D. O. Vou. No. 548

Bu. Vou. No.

U. S. Interior, Mines
(Department, bureau, or establishment)

Voucher prepared at Spokane, Washington 11/28/52
(Give place and date)

THE UNITED STATES, Dr., Payee's Account No. Idm-E247

To American Alloy Metals, Inc.
(Payee)

H Glen, Montana
(Address) (City) (State)

PAID BY

(For use of Paying Office)

No. and Date of Order	Date of Delivery or Service	ARTICLES OR SERVICES (Enter description, item number of contract or Federal supply schedule, and other information deemed necessary) Discount Terms	QUANTITY	UNIT PRICE Cost	UNIT PRICE Per	AMOUNT Dollars	AMOUNT Cts.
	Sept. 1952	As per attached certified form MF-104 dated 10/20/52				2,218	99
PAYMENT: Complete ☐ Partial ☐ Final ☐		Use continuation sheet(s) if necessary					
Shipped from	to	Weight	Government B/L No.		Total	2,218	99

(Payee must NOT use this space)

Differences

Account verified; correct for 2,218 99

(Signature or initials)

Contract No. Idm-E247 Date Req. No. Date Invoice Rec'd.

2,218.99

MEMORANDUM

ACCOUNTING CLASSIFICATION (For completion by Administrative Office)

Appropriation, limitation, or project symbol	Appropriation title	Limit'n. or Proj't. Amount	Appropriation Amount
14X4401	Revolving Fund, Defense Production Act, Interior	2,218.99	2,218.99

Allotment symbol	Amount	Obligations liquidated	COST ACCOUNT Symbol	COST ACCOUNT Amount	OBJECTIVE CLASSIFICATION Symbol	OBJECTIVE CLASSIFICATION Amount

Paid by { Check No. ..... dated ....., 19....., for $..... } on Treasurer of the United States in favor of payee named above.
Cash, $....., on ....., 19.....

16—22900a-2

METHOD OF OR ABSENCE OF ADVERTISING

METHOD OF ADVERTISING

1. Advertising in newspapers Yes ☐ No ☐.
2. (*a*) Advertising by circular letters sent to ..... dealers.

   (*b*) And by notices posted in public places Yes ☐ No ☐.

   (If notices were not posted in addition to advertising by circular letters sent to dealers, explanation of such omission must be made below.)

ABSENCE OF ADVERTISING

3. Without advertising, under an exigency of the service which existed prior to the order and would not admit of the delay incident to advertising.
4. Without advertising in accordance with .....
5. Without advertising, it being impracticable to secure competition because of .....

.....

.....

.....

.....

(Here state in detail the nature of the exigency or circumstances under which the securing of competition was impracticable under 3 and 4)

NOTE.—The above form "Method of or Absence of Advertising" is to be used when purchases are made or services secured under proper authority without written agreement in any form. In case of a written agreement (formal contract, proposal, and acceptance, or less formal agreement) Standard Form No. 1036—Revised should be used for abstracting the method of or absence of advertising and award of contract. (See General Regulations No. 51, as amended.)

U. S. GOVERNMENT PRINTING OFFICE : 1950 O—75805

16—22900a-2

Form MF-104 (Rev.)
(April 1952)

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Budget Bureau No. 42-R1036.3.
Approval expires 6-30-53.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
DEC 4 1952

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of [redacted] 1952 Docket No. DMEA [redacted] Contract No. [redacted]
Operator's Name [redacted] Minerals [redacted]
Address [redacted]
Contract Amount, $ [redacted] Government Participation: [redacted] % Amount, $ [redacted]

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) [redacted] Contracts:						
Drilling	[redacted]	[redacted]	[redacted]		558.24	1561.54
Bulldozing						
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor	[redacted]	[redacted]	[redacted]		8365.80	8906.88
Supervision	[redacted]	[redacted]	[redacted]		3618.00	3754.31
Technical Services						
(3) Operating Mat'ls. and Supplies:		[redacted]	[redacted]			
Timber	[redacted]				150.25	153.15
Explosives					1957.23	1957.23
[redacted] Diesel Fuel	[redacted]				556.27	612.70
Pipe					526.80	528.49
[redacted] Steel	[redacted]				3305.48	3318.43
Track					136.02	144.14
[redacted] Supplies	[redacted]				676.14	676.14
[redacted] Furnishings	[redacted]					
Compressor Repairs						
(4) Operating Equipment:						
Rental	[redacted]	[redacted]	[redacted]		4098.65	4788.65
Purchase	—	[redacted]	[redacted]		3877.89	3877.89
Depreciation	[redacted]	[redacted]	[redacted]		312.00	372.00
(5) Initial Rehabilitation and Repairs	—	[redacted]	[redacted]		3366.89	3366.89
(6) New Bldgs., Improvements, etc.	—	[redacted]	[redacted]		5732.39	5732.39
(7) Miscellaneous:						
Repairs to Equipment	[redacted]	[redacted]	[redacted]		131.80	131.80
Sampling and Analysis	[redacted]	[redacted]	[redacted]		80.00	210.00
Payroll Taxes	[redacted]	[redacted]	[redacted]		725.98	753.33
Liability Insurance	[redacted]	[redacted]	[redacted]		833.24	880.68
[redacted] & Travel	[redacted]	[redacted]	[redacted]		816.64	1121.73
[redacted]	—	[redacted]	[redacted]			
(8) Contingencies (specify):						
TOTALS	[redacted]	[redacted]	[redacted]	2958.66	39,889.71	42,848.37

I certify that the above bill is correct and just and that payment therefor has not been received. Dec. 20, 1952 [redacted]
Date Robert N. Raby *Payee
Per [redacted] Title Proj. Engr.

*When a voucher is signed or receipted in the name of a company or corporation, the name of the person writing the company or corporate name, as well as the capacity in which he signs, must appear. For example: "John Doe Company, per John Smith, Secretary," or "Treasurer," as the case may be.

NOTE.—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.

(Instructions on reverse)

Pursuant to authority vested in me, I certify that this account is correct and proper for payment in the amount of:

$ 2218 99

Signature [signature]
(Authorized Certifying Officer)

Date 11/25/52 Vou. No.
(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. Idm E 247 in accordance with the terms of the contract.

Signature John S. McNabb Jr. Title Mining Engineer Date 10-24-52

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature ..... Title ..... Date .....

MONTHLY REPORT OF OPERATOR

The Operator (Contractor) of an exploration project is required to make a monthly report to the Government through the Regional Executive Officer. This report consists of three parts as follows:

(*a*) *Form MF-104—Operator's Monthly Report and Voucher.*—This form details expenditures and constitutes a voucher for reimbursing the Operator for the Government's share of costs;

(*b*) *Form MF-104A—Operator's Unit Cost and Progress Report.*—This is a statistical report of expenditures which shows costs for the various types of operation; and

(*c*) *Narrative.*—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered must be furnished as an attachment to this Report and Voucher. Wherever possible, the narrative is to be illustrated with maps or sketches showing formations penetrated and location and assays of samples taken as well as advances in workings. In the case of diamond drilling or churn drilling, the location and inclination of holes is to be shown on a map; logs and assays also are to be submitted.

The Monthly Report of Operator should be prepared in an original and four copies all of which must be sent to the Executive Officer of the Region not later than the 15th of the month following.

Preparation of Form MF-104—Operator's Monthly Report and Voucher.—All the applicable spaces in Form MF-104 should be filled in by the Operator, and the Operator or his agent should sign the certification in the lower left corner of the form.

The items of costs are arranged in the order they appear in Article 6 (a) of Form MF-200 (Revised February 1952), however, this form is readily adaptable for use in reporting activities under other contract forms.

Under Item (1) delete words "Short Form" if the contract is a sub-contract under Form MF-200; and delete word "Independent" if the contract reported is on Form MF-200 (A). Also, report work paid for on a unit basis under contract Form MF-200 as though it were performed under an independent contract.

Under Item (2) include labor, supervision and technical services incurred for the exploratory operations. Do not include labor, supervision and technical services used for work performed under items (5) and (6).

Under Item (3) include the costs of material and supplies used in the project other than that used under items (5) and (6).

Under Item (4) appear the three types of operating equipment expenditures, that is, rental, purchase and depreciation. The expenditures made for renting equipment belonging to a third party will be reported under "Rental". The amount paid or duly obligated for payment for the purchase of equipment will be reported under "Purchase". The amount of expenditures due the Operator to reimburse him for depreciation of equipment owned will be reported under "Depreciation".

Item (5) comprises costs of labor, supervision, technical services, materials, etc., which are used in the initial rehabilitation and repair of existing buildings, installations, fixtures, and equipment. These costs, therefore, should not be reported under items (2) and (3).

Item (6) includes the labor, supervision, technical services, materials, etc., used in the installation or construction of new buildings, fixed improvements, etc., necessary for the project. These costs, therefore, should not be reported under items (2) and (3).

Item (7) covers miscellaneous types of expenditure such as payroll taxes, liability insurance, workmen's compensation insurance, repairs to equipment and sampling and analysis. Only that part of payroll taxes, liability insurance and workmen's compensation which are paid by the operator should be reported under item (7). The share paid by the employee as a payroll deduction is to be included under item (2) as labor costs.

Item (8) includes any unforeseen costs not included in the other seven categories.

The original of Form MF-104 when submitted for reimbursable expenses incurred under contract Form MF-200 must be supported by original documentation or by certified copies of purchase orders, payrolls or transcripts of payrolls, unless such documentation has been waived by the Regional Executive Officer. This certification may be stated thus, "Certified True Copy (or Transcript)", followed by appropriate signature. If the Executive Officer of the Region determines that a contract under Form MF-200 should have an "on-site" audit, that is, a Government auditor should make an audit of the Operator's books and records of account, the Operator need not support his monthly voucher with original or certified documents except in cases of equipment purchases whose individual costs exceed $50.00. In these cases the original or a certified copy of the purchase order or invoice should be attached to the Monthly Voucher. N. B.—Only the *original* of Form MF-104 is required to be documented. The four copies of Form MF-104 are not to be thus supported.

Form MF-104 submitted for reimbursement under fixed price contracts on Form MF-200 (A), however, are not required to be supported by documentation of any kind. The Operator will submit his claim under item (1) of Form MF-104 by deleting as stated above the word "Independent" and by showing the number of feet or other units immediately after the appropriate descriptive word, such as, drilling, bulldozing, crosscutting, drifting, etc., and giving the "Monthly Total" amount due. "Totals Previously Reported", and "Totals to Date" columns should also be filled in.

GPO 83-38476

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151
Approval expires 6-30-53.

Defense Minerals Administration
RECEIVED
DEC 4 1952

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of September 195[illegible] Docket No. DMEA 2292 Contract No. [illegible] 247
Operator's Name [illegible] Minerals Tungsten
Address [illegible]

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT: Units	AUTHORIZED BY CONTRACT: Unit Costs
Drifting	Ft.	—	—	12,648.25	229	55.76		
Crosscutting	Ft.	1,955.36	26.0	11,319.40	130	88.61		
Raising								
Shafts								
Winzes						*		
Drilling: Core	Ft.	1,403.30	35.0	1,561.54	110	14.20		
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Total Distributed Costs		2,958.66		25,749.19				Total Costs Authorized by Contract
Operating Equipment Purchased				3,962.26				
Initial Rehabilitation and Repairs				5,093.82				
New Buildings, Improvements, etc.				9,325.85				
Total Costs		2,958.66		44,931.12				

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

Date Oct. 20, 1952 Operator [illegible], Inc.
Per Robert N. Roby Title Project Mgr.

REMARKS: * Much of the cost for [illegible] was expense of laying air line to drill and extending waterline to obtain sufficient pressure to drill.

NOTE.—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.

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

Preparation of Form MF-104A—Operator's Unit Cost and Progress Report.—Applicable places on Form 104A should be filled in by the Operator. The purpose of this form is twofold as follows: (1) to furnish the supervising engineers and other administrators with statistical information necessary to better determine the progress of the project; and (2) to furnish more permanent information on mining costs for future use. The more important phases of operation on which permanent information is desired have been outlined in the form. There are blank lines, however, for those unusual phases which may need to be reported for a particular project. It will be necessary for the Operator to distribute his costs among the applicable phases reported with the exception of three items the costs of which are not to be distributed by the Operator. These three items are: "Operating Equipment Purchased", "Initial Rehabilitation and Repairs", and "New Buildings, Improvements, etc." The reason for not distributing these items on a monthly basis is doubtless clear to the Operator, since such distribution might well overstate the cost for any one month or period short of the entire contract period.

Form MF-104A has been designed to tie in with Form MF-104 for both monthly and cumulative costs. The "Total Costs" on Form MF-104A for each month should equal the monthly "Total Costs" as reported on Form MF-104. This is also true of the "Total Costs To Date".

In preparing Form MF-104A, it will be necessary frequently to distribute certain costs over a number of items. For instance, supervisory and engineering costs may have to be distributed over several phases, such as, drifting, crosscutting, raising, etc., provided that these items were reported active for the month. Such distributions should be made on the basis of time spent on the various phases, on man days of labor charged to such phases, or on some other equitable basis. "Operating Equipment", "Initial Rehabilitation and Repairs", and "New Buildings Improvements, etc.", will be distributed to the several phases of the project by the Washington Office of DMEA at the close of the project if determined necessary. The last two columns headed "Authorized by Contract" will be filled in by the Operator if such information is found in the contract. This information is usually a part of Exhibit "A" of the contract. A space for remarks has been provided for the use of the Operator to call attention to any unusual circumstances causing excessive or disproportionate unit costs.

GPO 83-38475

COPY

AMERICAN ALLOY METALS, INC.
ONE MONTGOMERY STREET
SAN FRANCISCO 4, CALIFORNIA

PLEASE ADDRESS REPLY TO:
GLEN, MONTANA

Narrative
September 1952

The raise was advanced vertically to 110 feet. Marble was encountered at 109 feet. The strike of the contact is S. 20° E., the dip is 28° SW. The raise was continued to 130 feet. The last 20 feet was driven S.70° W. inclined upward at 56°, or normal to the dip of the strata.

Eight feet of tactite was cut in the inclined part of the raise. It is believed that this is the hanging wall tactite that was cut in drill hole 11.

The strike of the beds in the raise ranges from S. 15° E. to S. 50° E. The dip ranges from 20° SW. to 40° SW. The average is about S. 30°E. with a dip of 30° SW. This average attitude is much more to the south than is indicated by the outcrop. It is possible that the raise was driven upward along a local pitching synclinal fold or warp in the beds; the beds in the lower part of the raise being more highly folded and compressed than those in the upper part of the raise where the strike and dip are more normal. This fact, perhaps, explains the low tungsten content of the tactite in the lower part of the raise where the beds were more compressed, therefor, less accessible to mineralizing solutions.

A diamond drill hole was started at the portal of the No. 4 adit. To start this hole it was necessary to lay an air line on surface from the Granite adit to the no. 4 adit. Also the gravity waterline did not have sufficient head for drilling pressure at the collar of the hole so it was necessary to take 300 feet of plastic pipe from the lower end of the water line and extend the intake end farther up Agnes Creek. This produced sufficient pressure for drilling.

Considerable difficulty is encountered in drilling a down hole in the alternating hard and soft tactite beds.

COPY

AMERICAN ALLOY METALS, INC.
ONE MONTGOMERY STREET
SAN FRANCISCO 4, CALIFORNIA

PLEASE ADDRESS REPLY TO:
GLEN, MONTANA

(1) Diamond drilling

Labor	$ 578.30
Supervision	163.69
Cook's wages	71.41
Payroll tax	29.24
Liability insurance	56.97
Supplies	103.69
	$1,003.30

MF-104A

Raise

Labor	$ 481.61
Cook's wages	99.47
Supervision	136.31
Payroll taxes	24.35
Liability Insurance	47. 44
Diesel fuel	56.43
Drill steel	1.69
Misc. Operating supplies	10.37
Equip. Rental	609.00
Depreciation	60.00
Sampling	130.00
Office and travel	245.09
Compressor repair	2.38
Timber	2.90
House furnishings	8.12
	$1,955.36

Standard Form No. 1034a—Revised
Form prescribed by
Comptroller General, U. S.
September 7, 1950
(Gen. Reg. No. 51, Supp. No. 11)

Wash

PUBLIC VOUCHER FOR PURCHASES AND SERVICES OTHER THAN PERSONAL

D. O. Vou. No. .....

Bu. Vou. No. DMA-398

U. S. Interior, Mines
(Department, bureau, or establishment)

Voucher prepared at Albany, Oregon (Give place and date) 10/3/52

THE UNITED STATES, Dr., Payee's Account No. Idr-E 247

To American Alloy Metals, Inc.,
(Payee)

One Montgomery St., (Address) San Francisco, (City) California (State)

PAID BY

(For use of Paying Office)

No. and Date of Order	Date of Delivery or Service	ARTICLES OR SERVICES (Enter description, item number of contract or Federal supply schedule, and other information deemed necessary)	QUANTITY	UNIT PRICE Cost	UNIT PRICE Per	AMOUNT Dollars	AMOUNT Cts.
	August 1952	Discount Terms net As per attached certified form IF-104 dated September 17, 1952				2,428	88
PAYMENT: Complete ☐ Partial ☐ Final ☐		Use continuation sheet(s) if necessary					

Shipped from to Weight Government B/L No. Total 2,428 88

(Payee must NOT use this space)

Differences .....

Account verified; correct for 2,428 88

(Signature or initials) .....

Contract No. Idr-E 247 Date Req. No. Date Invoice Rec'd.

2,428.88

MEMORANDUM

ACCOUNTING CLASSIFICATION (For completion by Administrative Office)

Appropriation, limitation, or project symbol	Appropriation title	Limit'n. or Proj't. Amount	Appropriation Amount
14X4401	Revolving Fund, Defense Production Act, Interior	2,428.88	2,428.88

Allotment symbol	Amount	Obligations liquidated	COST ACCOUNT Symbol	COST ACCOUNT Amount	OBJECTIVE CLASSIFICATION Symbol	OBJECTIVE CLASSIFICATION Amount

Paid by { Check No. ..... dated ....., 19....., for $..... } on Treasurer of the United States in favor of payee named above.
{ Cash, $....., on ....., 19.....

16—22900a-2

METHOD OF OR ABSENCE OF ADVERTISING

METHOD OF ADVERTISING

1. Advertising in newspapers Yes ☐ No ☐.
2. (*a*) Advertising by circular letters sent to ..... dealers.
   (*b*) And by notices posted in public places Yes ☐ No ☐.

   (If notices were not posted in addition to advertising by circular letters sent to dealers, explanation of such omission must be made below.)

ABSENCE OF ADVERTISING

3. Without advertising, under an exigency of the service which existed prior to the order and would not admit of the delay incident to advertising.
4. Without advertising in accordance with .....
5. Without advertising, it being impracticable to secure competition because of .....

.....

.....

.....

.....

(Here state in detail the nature of the exigency or circumstances under which the securing of competition was impracticable under 3 and 4)

NOTE.—The above form "Method of or Absence of Advertising" is to be used when purchases are made or services secured under proper authority without written agreement in any form. In case of a written agreement (formal contract, proposal, and acceptance, or less formal agreement) Standard Form No. 1036—Revised should be used for abstracting the method of or absence of advertising and award of contract. (See General Regulations No. 51, as amended.)

U. S. GOVERNMENT PRINTING OFFICE : 1950 O—75805

16—22900a-2

Form MF-104 (Rev.)
(April 1952)

Wash

DEPARTMENT OF THE INTERIOR
Budget Bureau No. 42-R1036.3.
Approval expires 6-30-53.

RECEIVED
OCT 1 1952

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of August 1952 Docket No. DMEA 2292 Contract No. Idm-3 247
Operator's Name AMERICAN ALLOY METALS, INC. Minerals Tungsten
Address Glen, Mont.
Contract Amount, $ 56,584 Government Participation: 75 % Amount, $ 42,438.00

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) ~~Independent Contracts~~ Short Form						
Drilling	558.24	—	558.24	558.24	—	558.24
Bulldozing						
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor	811.38	8,028.82	8,840.20	811.38	7,554.42	8,365.80
Supervision	132.00	3,486.00	3,618.00	132.00	3,486.00	3,618.00
Technical Services						
(3) Operating Mat'ls. and Supplies:					1,957.22	1,957.22
Timber Explosives	67.90	6,274.71	6,964.65	67.90	82.35	150.25
~~Explosives~~ House Fur.	49.42			49.42	86.60	136.02
~~Pipe~~ Diesel Fuel	118.39			118.39	437.88	556.27
~~Steel~~ Drill Steel	127.08			127.08	399.72	526.80
Compressor Repairs	219.44			219.44	456.70	676.14
Miss. Supplies	107.71			107.71	3197.77	3,305.48
(4) Operating Equipment:						
Rental	647.60	4,367.38	5,014.98	647.60	3,452.05	4,099.65
Purchase	70.00	3,892.26	3,962.26	70.00	3,807.89	3,877.89
Depreciation	60.00	360.00	420.00	60.00	252.00	312.00
(5) Initial Rehabilitation and Repairs	—	2,327.48	2,327.48		3,366.89	3,366.89
(6) New Bldgs., Improvements, etc.	—	6,307.80	6,307.80		5,732.39	5,732.39
(7) Miscellaneous:						
Repairs to Equipment					131.80	131.80
Sampling and Analysis	41.05	38.95	80.00	41.05	38.95	80.00
Payroll Taxes	36.49	692.49	728.98	36.49	692.49	728.98
Liability Insurance	65.80	767.44	833.24	65.80	767.44	833.24
(8) Contingencies (specify):						
Office and travel	126.01	1,604.13	1,730.14	126.01	750.63	876.64
Contingencies	—	586.49	586.49	—	—	—
TOTALS	3,238.51	38,733.95	41,972.46	3,238.51	36,651.20	39,889.71

I certify that the above bill is correct and just and that payment therefor has not been received.
Date Sept. 17, 1952 *Payee AMERICAN ALLOY METALS, INC.
Per Robert N. Raby Title Project Mgr.

*When a voucher is signed or receipted in the name of a company or corporation, the name of the person writing the company or corporate name, as well as the capacity in which he signs, must appear. For example: "John Doe Company, per John Smith, Secretary," or "Treasurer," as the case may be.

NOTE.—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.

(Instructions on reverse)

Pursuant to authority vested in me, I certify that this account is correct and proper for payment in the amount of:

$ 2,428.88

Signature
(Authorized Certifying Officer)

Date 18-2-52 Vou. No.
(See other side)

Please send check to American Alloy Metals, Inc. One Montgomery St., San Francisco, Calif.

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. IAmE247 in accordance with the terms of the contract.

Signature John S. McNabb Jr. Title Mining Engineer Date 9-22-52

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature ..... Title ..... Date .....

MONTHLY REPORT OF OPERATOR

The Operator (Contractor) of an exploration project is required to make a monthly report to the Government through the Regional Executive Officer. This report consists of three parts as follows:

(a) *Form MF-104—Operator's Monthly Report and Voucher.*—This form details expenditures and constitutes a voucher for reimbursing the Operator for the Government's share of costs;

(b) *Form MF-104A—Operator's Unit Cost and Progress Report.*—This is a statistical report of expenditures which shows costs for the various types of operation; and

(c) *Narrative.*—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered must be furnished as an attachment to this Report and Voucher. Wherever possible, the narrative is to be illustrated with maps or sketches showing formations penetrated and location and assays of samples taken as well as advances in workings. In the case of diamond drilling or churn drilling, the location and inclination of holes is to be shown on a map; logs and assays also are to be submitted.

The Monthly Report of Operator should be prepared in an original and four copies all of which must be sent to the Executive Officer of the Region not later than the 15th of the month following.

Preparation of Form MF-104—Operator's Monthly Report and Voucher.—All the applicable spaces in Form MF-104 should be filled in by the Operator, and the Operator or his agent should sign the certification in the lower left corner of the form.

The items of costs are arranged in the order they appear in Article 6 (a) of Form MF-200 (Revised February 1952), however, this form is readily adaptable for use in reporting activities under other contract forms.

Under Item (1) delete words "Short Form" if the contract is a sub-contract under Form MF-200; and delete word "Independent" if the contract reported is on Form MF-200 (A). Also, report work paid for on a unit basis under contract Form MF-200 as though it were performed under an independent contract.

Under Item (2) include labor, supervision and technical services incurred for the exploratory operations. Do not include labor, supervision and technical services used for work performed under items (5) and (6).

Under Item (3) include the costs of material and supplies used in the project other than that used under items (5) and (6).

Under Item (4) appear the three types of operating equipment expenditures, that is, rental, purchase and depreciation. The expenditures made for renting equipment belonging to a third party will be reported under "Rental". The amount paid or duly obligated for payment for the purchase of equipment will be reported under "Purchase". The amount of expenditures due the Operator to reimburse him for depreciation of equipment owned will be reported under "Depreciation".

Item (5) comprises costs of labor, supervision, technical services, materials, etc., which are used in the initial rehabilitation and repair of existing buildings, installations, fixtures, and equipment. These costs, therefore, should not be reported under items (2) and (3).

Item (6) includes the labor, supervision, technical services, materials, etc., used in the installation or construction of new buildings, fixed improvements, etc., necessary for the project. These costs, therefore, should not be reported under items (2) and (3).

Item (7) covers miscellaneous types of expenditure such as payroll taxes, liability insurance, workmen's compensation insurance, repairs to equipment and sampling and analysis. Only that part of payroll taxes, liability insurance and workmen's compensation which are paid by the operator should be reported under item (7). The share paid by the employee as a payroll deduction is to be included under item (2) as labor costs.

Item (8) includes any unforeseen costs not included in the other seven categories.

The original of Form MF-104 when submitted for reimbursable expenses incurred under contract Form MF-200 must be supported by original documentation or by certified copies of purchase orders, payrolls or transcripts of payrolls, unless such documentation has been waived by the Regional Executive Officer. This certification may be stated thus, "Certified True Copy (or Transcript)", followed by appropriate signature. If the Executive Officer of the Region determines that a contract under Form MF-200 should have an "on-site" audit, that is, a Government auditor should make an audit of the Operator's books and records of account, the Operator need not support his monthly voucher with original or certified documents except in cases of equipment purchases whose individual costs exceed $50.00. In these cases the original or a certified copy of the purchase order or invoice should be attached to the Monthly Voucher. N. B.—Only the *original* of Form MF-104 is required to be documented. The four copies of Form MF-104 are not to be thus supported.

Form MF-104 submitted for reimbursement under fixed price contracts on Form MF-200 (A), however, are not required to be supported by documentation of any kind. The Operator will submit his claim under item (1) of Form MF-104 by deleting as stated above the word "Independent" and by showing the number of feet or other units immediately after the appropriate descriptive word, such as, drilling, bulldozing, crosscutting, drifting, etc., and giving the "Monthly Total" amount due. "Totals Previously Reported", and "Totals to Date" columns should also be filled in.

U. S. GOVERNMENT PRINTING OFFICE 205675

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151
Approval expires 6-30-53

Defense Minerals Administration
RECEIVED
OCT 1 1952

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of August 17 1952 Docket No. DMEA 2252 Contract No. Ion-E 247
Operator's Name AMERICAN ALLOY METALS, INC. Minerals Tungsten
Address Glen, Mont.

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting								
Crosscutting	Ft.	—	—	12,668.25	229	55.76		
Raising	Ft.	2,610.27	22	9,564.04	104	91.97		
Shafts								
Winzes								
Drilling: Core	Ft.	558.24	75	558.24	75	7.44		
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		3,168.51		22,790.53				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased		70.00		3,962.26				
Initial Rehabilitation and Repairs		—		5,893.82				
New Buildings, Improvements, etc		—		9,325.85				
TOTAL COSTS		3,238.51		42,972.46				

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

Date Sept. 17, 1952 Operator AMERICAN ALLOY METALS, INC.
Per Robert N. Roby Robert N. Roby Title Proj. Mgr.

REMARKS:

→ NOTE.—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.

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

Preparation of Form MF-104A—Operator's Unit Cost and Progress Report.—Applicable places on Form 104A should be filled in by the Operator. The purpose of this form is twofold as follows: (1) to furnish the supervising engineers and other administrators with statistical information necessary to better determine the progress of the project; and (2) to furnish more permanent information on mining costs for future use. The more important phases of operation on which permanent information is desired have been outlined in the form. There are blank lines, however, for those unusual phases which may need to be reported for a particular project. It will be necessary for the Operator to distribute his costs among the applicable phases reported with the exception of three items the costs of which are not to be distributed by the Operator. These three items are: "Operating Equipment Purchased", "Initial Rehabilitation and Repairs", and "New Buildings, Improvements, etc." The reason for not distributing these items on a monthly basis is doubtless clear to the Operator, since such distribution might well overstate the cost for any one month or period short of the entire contract period.

Form MF-104A has been designed to tie in with Form MF-104 for both monthly and cumulative costs. The "Total Costs" on Form MF-104A for each month should equal the monthly "Total Costs" as reported on Form MF-104. This is also true of the "Total Costs To Date".

In preparing Form MF-104A, it will be necessary frequently to distribute certain costs over a number of items. For instance, supervisory and engineering costs may have to be distributed over several phases, such as, drifting, crosscutting, raising, etc., provided that these items were reported active for the month. Such distributions should be made on the basis of time spent on the various phases, on man days of labor charged to such phases, or on some other equitable basis. "Operating Equipment", "Initial Rehabilitation and Repairs", and "New Buildings Improvements, etc.", will be distributed to the several phases of the project by the Washington Office of DMEA at the close of the project if determined necessary. The last two columns headed "Authorized by Contract" will be filled in by the Operator if such information is found in the contract. This information is usually a part of Exhibit "A" of the contract. A space for remarks has been provided for the use of the Operator to call attention to any unusual circumstances causing excessive or disproportionate unit costs.

U. S. GOVERNMENT PRINTING OFFICE 205676

COPY

AMERICAN ALLOY METALS, INC.
ONE MONTGOMERY STREET
SAN FRANCISCO 4, CALIFORNIA

Sept. 17, 1952

PLEASE ADDRESS REPLY TO:
GLEN, MONTANA

ITEM COSTS

Item (1) Diamond-drilling

EX Bits	
No. Z-490, 10.62 carats @ $8.50/c, 40% used	$36.11
No. Z-487, 10.58 " @ 8.50/c, 75% used	65.44
No. W-43, 9.15 " @ 8.50/c, 80% used	62.22
Setting charge on 3 bits @ $8.50	25.50
1- EX Core barrel	47.25
3- EX Core Springs @ $1.50	4.50
Drill repairs	3.00
Rental on drill rods	7.50
Labor	175.57
Cook 5.3% of $392.64	20.81
Supervision 5.3% $600.	31.80
Payroll taxes , 5.3% of $165.86	8.79
Liability Insurance, 5.3% of $279.10	15.85
Compressor rental Est. 10% of 414.00	41.40
" Fuel Est. 10% of $124.96	12.50
TOTAL	$558.24

$558.24/75 ft. equals $7.44 per ft.

Item (2) Labor and Supervision

Total labor excluding cook and supervision was $3,293.24
$3,293.24/$725.00 (Raise labor) equals 22%
$3,293.24/$175.57 (DD Hole labor) equals 5.3%

Raise supervision equals 22% of $600 equals	$132.00
D D Hole Supervision equals 5.3% of $600 equals	31.80

Total unprorated Labor

Raise	$725.00
Cook	86.38
	$811.38

Item (3) Operating Mat'ls. and supplies
(as shown)

Item (4) Operating Equipment

Rented

Compressor $414.00 less $41.40	$372.60
Marking Machine	275.00
Total	$647.60

Purchased

Final 1/3 on Rock drill raising feed	$70.00

Invoice submitted with June & July MP 104

COPY

AMERICAN ALLOY METALS, INC.
ONE MONTGOMERY STREET
SAN FRANCISCO 4, CALIFORNIA

PLEASE ADDRESS REPLY TO:
GLEN, MONTANA

Sept. 117, 1952
ITEM COSTS (Cont.)

Depreciation

Pickup truck	$30.00
Auto Car truck	30.00
	$60.00

Item (7) Sampling and analysis

16 samples taken to date @ $5.00 per contract		$80.00
Claimed on July MF 104		38.95
NOW CLAIMED ON AUG. MF 104		$41.05

Payroll taxes

Total earnings from Payroll	$4,285.88		
Less exempt earnings	600.00		
	$3,685.88	@ 4.5%	$165.86

$165.86 @ 22% is $36.49 Raise payroll taxes
$165.86 @ 5.3% is $8.79 DD Hole payroll taxes

Liability insurance

Total regular time earnings	$3,980.01		
Cook	321.75	@ 2%	$ 6.44
All others	3,658.75	@ 8%	292.66
			$299.10

$299.10 @ 22% is	$65.80	Raise insurance
$299.10 @ 5.3% is	15.85	DD Hole insurance

COPY

AMERICAN ALLOY METALS, INC.
ONE MONTGOMERY STREET
SAN FRANCISCO 4, CALIFORNIA

PLEASE ADDRESS REPLY TO:
GLEN, MONTANA

AUGUST 1952
Contract Idn#3 247
Narrative

During the month of August we were plagued with labor troubles and with equipment failures.

Several miners came and went during the month. Each time a new miner is hired it takes a shift or two for him to become accustomed to the job. With a small crew of 5 or 6 men, this represents a large loss of efficiency in the operation.

The compressor was down with a broken valve for a week. The part was ordered by wire but after two or three days, notice was sent that the Jaeger factory was on strike and no date could be given at which time the part could be sent! The replacement part was finally found at a machinery establishment in Seattle and it arrived by air express.

Limestone was cut in the raise at 92 feet above the adit track level but the following round went through the limestone back into tactite. The tactite continued to 104 feet, which was the back of the raise at the end of the month.

A diamond-drill hole pointed S. 14° W., plus 8° was started at the breast of the adit on Aug. 4. After several delays owing to drill machine failures and difficulties in getting additional drill rods, the hole was bottomed at 75 feet. The hole was drilled in quartz monzonite all of the distance. No more drilling in this hole is planned.

Considerable time was spent during the month working on an ore pass down the mountain side to be used for conveying ore from the adit level to a point near creek level where the ore can be loaded into trucks. The work involved blasting numerous rock ledges and removing several trees. It was necessary in two places to construct log walls to keep the ore from spreading and mixing with waste.

The following samples were received during the month for trench No. 3. The samples were taken from foot- to hanging wall as follows:

Sample No.	Length, ft.	Percent WO_3
6	11	0.82
7	5	.15
9	30	.25
10	11	.54
11	8	.29
14	16	.35
Weighted average	81	.38

A car sample of the first ore drawn from the raise assayed 0.15 WO_3. It is planned to channel sample the raise as soon as the end wall can be cleaned down and washed.

COPY

AMERICAN ALLOY METALS, INC.
ONE MONTGOMERY STREET
SAN FRANCISCO 4, CALIFORNIA

PLEASE ADDRESS REPLY TO:
GLEN, MONTANA

Sept. 117, 1952
ITEM COSTS (Cont.)

Depreciation

Pickup truck	$20.00
Auto Car truck	30.00
	$60.00 ✓

Item (7) **Sampling and analysis**

16 samples taken to date @ $5.00 per contract	$80.00 ✓
Claimed on July MF 104	38.95 ✓
NOW CLAIMED ON AUG. MF 104	$41.05 ✓

Payroll taxes

Total earnings from Payroll	$4,285.88		
Less exempt earnings	600.00		
	$3,685.88	@ 4.5%	$165.86

$165.86 @ 22% is $36.49 ✓ Raise payroll taxes
$165.86 @ 5.3% is $8.79 ✓ DD Hole payroll taxes

Liability insurance

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$299.10 @ 5.3% is 15.85 ✓ DD Hole insurance

COPY

AMERICAN ALLOY METALS, INC.
ONE MONTGOMERY STREET
SAN FRANCISCO 4, CALIFORNIA

PLEASE ADDRESS REPLY TO:
GLEN, MONTANA

AUGUST 1952
Contract Idm*E 247
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14	16	.35
Weighted average	81	.38

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DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
SEP 12 1952

M. E. Volin, Member, DMEA Field Team, Reg. II August 26, 1952

Glenn C. Reed, Mining Engineer, Bureau of Mines

Contract Idm-K247, American Alloy Metals, Inc., revision of contract to unit basis. (Docket 2292 - tungsten)

In review, underground work accomplished as of July 21, 1952 is indicated on the attached field sketch sheet. Ore from the raise is to be car sampled as the raise is pulled. The raise was lamped in company with Brad Meyers, Geologist, USGS, and a tentative estimate of 0.4 percent WO_3 made. Results of trench sampling by the company on the same ore zone indicate a grade of 0.63 percent WO_3 over a stratigraphic distance of 36 feet. Assay returns on check sampling of this trench by the Bureau of Mines have not been reported.

In evaluating the following proposal for a contract realignment it is believed that consideration should be given to any reasonable request inasmuch as work to date is sufficiently advanced to permit certification of a discovery of major importance from which repayment practically can be assured.

The operation to date has been bothered by invoicing difficulties due in part to the construction of the contract. In order to remove such difficulties and to allow the Operator more latitude it is proposed to amend the existing contract to provide for reimbursement on a unit basis for intermediate drift footage completed at a rate of $37.24 per foot.

Distribution of costs under the terms of the subject contract are tabulated below:

Item	Stage I	Stage II	Stage III	Total
Fixtures & Improvements	$ 3,096.00	$ 310.00	—	$ 3,406.00
Oper. equip. - purchased	3,890.00	—	—	3,890.00
" " - rented	3,144.00	1,190.00	470.00	4,804.00
" " - furnished	300.00	120.00	60.00	480.00
Labor & Supervision	11,936.20	5,686.30	1,405.20	19,027.70
Rehabilitation, repairs	600.00	—	—	600.00
Materials, supplies	4,564.80	3,152.50	1,214.00	8,931.30
Contract	1,995.00	—	9,000.00	10,995.00
Miscellaneous	2,300.00	1,800.00	350.00	4,450.00
Total	$31,826.00	$12,258.80	$12,499.20	$56,584.00

At the end of July, with 18 feet of raising remaining to be done to complete Stage I, expenditures totaling $38,733.95 were distributed as follows:

Item	Amount
Fixtures and Improvements	$ 6,307.80
Operating equipment - purchased	3,892.26
Operating equipment - rented	4,367.38
Operating equipment - furnished	360.00
Labor and supervision	11,514.82
Rehabilitation and repairs	2,327.48
Materials and supplies	6,274.71
Contract	—
Miscellaneous & Contingencies	3,689.50
Total	$38,733.95

According to the Operator's distribution, crosscutting was done for $55.76/ft. and raising completed to date for $84.60/ft. These high costs apparently are the result of difficult access, hard ground, utilization of labor on a day's pay basis, and several design errors.

Stage II consisting of 400 feet of intermediate level slusher drifting provides for an aggregate expenditure of $12,258.80 or $30.65/ft. on an all cost basis. In view of past performance it is unlikely that the drifting can be accomplished at this rate. An estimate of costs for the intermediate level drifting which probably will require 2.3 months for completion is given below:

		Per foot
Labor, including all payroll taxes	$ 4,480.00	$11.20
Supervision & cook, including payroll taxes	2,350.00	5.87
Materials and supplies	3,500.00	8.75
Equipment depreciation	276.00	0.69
" rentals	1,080.00	2.70
" purchases	200.00	0.50
Technical Services, including sampling, assaying, and geologic consultant	800.00	2.00
Accounting, office, and travel	500.00	1.25
Transportation	400.00	1.00
Contingencies	1,400.00	3.50
	$14,986.00	$37.46

In order to effect the proposed changeover, however, the Operator must purchase the Government's equity in the supply inventory and in equipment already purchased and required for the drifting operation. With respect to the foregoing estimate of drifting costs, $200 in equipment purchases must be withdrawn and $48.17 added to the equipment depreciation allowance item. The adjusted per foot drifting cost then will be $37.24 as indicated above.

One design error worthy of remark concerns the fact that the raise from which intermediate drifting will be done is located about 16 feet from the crosscut at the end of a stub opening. As it is impossible to get a car under the chute in loading position no chute jaws have been installed and the raise muck is allowed to flow through the chute onto the sill from where it is mechanically loaded into the cars. The Operator states that installation of chute jaws would require secondary breaking on grizzlies at the top of the raise. From the standpoint of safety alone such grizzlies should be installed. Correction of the design error, however, would require an expenditure of about $1,200 which cannot be justified at this stage to facilitate a short term exploration program.

Glenn C. Reed
Mining Engineer

cc: Wash. (4)
USGS (2)
M/D
JSMcN

American Alloy Metals Inc.

Beaver Road Cap Mont

Exploration Rsc

Scale: 1" = 20' GCR

Trench Samples - GCR

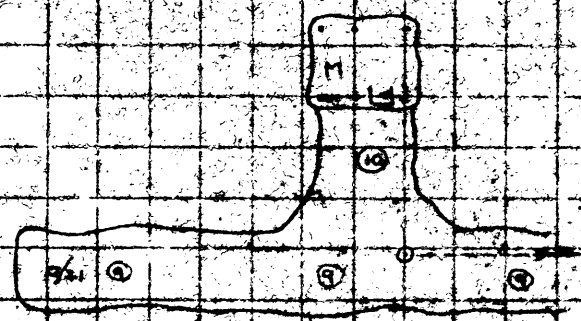
Sample No.	Slope distance	% WO3
1	10.0' (beginning of tactite zone)	0.90
2	10.0'	0.40
3	10.0'	0.49
4	10.0'	0.31
5	10.9'	0.49
6	11.9'	0.32

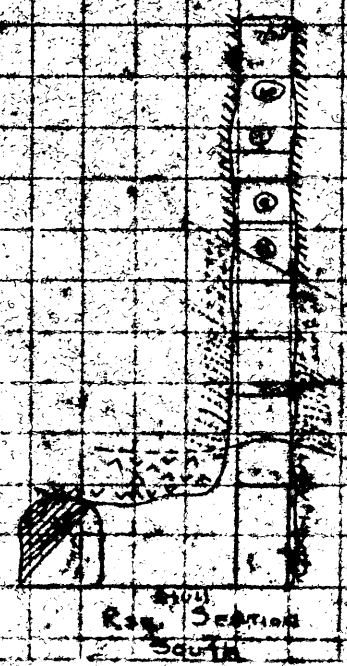
Stratigraphic section to be supplied by

USGS - Brad Meyers

Roby's samples of above trench

Sample No.	Slope dist.	Strata dist.	% WO3 (Union Assay)
1	0 - 16	13	0.98
2	16 - 20.5	3	0.93
3	20.5 - 43.5	14	0.54
4	43.5 - 52.0	6	0.30





Form No.

Standard Form No. 1034a—Revised
Form prescribed by
Comptroller General, U. S.
September 7, 1950
(Gen. Reg. No. 51, Supp. No. 11)

PUBLIC VOUCHER FOR PURCHASES AND SERVICES OTHER THAN PERSONAL

D. O. Vou. No. .....

Bu. Vou. No. DMA-376

U. S. Interior, Mines
(Department, bureau, or establishment)

Voucher prepared at Albany, Oregon 9/18/52
(Give place and date)

THE UNITED STATES, Dr., Payee's Account No. Idm-E-247

To American Alloy Metals, Inc.,
(Payee)

Suite 1225, One Montgomery St., San Francisco, California
(Address) (City) (State)

PAID BY

(For use of Paying Office)

No. and Date of Order	Date of Delivery or Service	ARTICLES OR SERVICES (Enter description, item number of contract or Federal supply schedule, and other information deemed necessary) Discount Terms net	QUANTITY	UNIT PRICE Cost	UNIT PRICE Per	AMOUNT Dollars	AMOUNT Cts.
	July 1952	As per attached certified form MF-104 dated Autust 17, 1952				4,513	61
PAYMENT: Complete ☐ Partial ☐ Final ☐		Use continuation sheet(s) if necessary					
Shipped from	to	Weight	Government B/L No.		Total	4,513	61

(Payee must NOT use this space)

Differences .....

Account verified; correct for 4,513 61

(Signature or initials) .....

Contract No. Idm-E 247 Date Req. No. Date Invoice Rec'd.

4,513.61

MEMORANDUM

ACCOUNTING CLASSIFICATION (For completion by Administrative Office)

Appropriation, limitation, or project symbol	Appropriation title	Limit'n. or Proj't. Amount	Appropriation Amount
14X4401	Revolving Fund, Defense Production Act, Interior	4,513.61	4,513.61

Allotment symbol	Amount	Obligations liquidated	COST ACCOUNT Symbol	COST ACCOUNT Amount	OBJECTIVE CLASSIFICATION Symbol	OBJECTIVE CLASSIFICATION Amount

Paid by { Check No. ..... dated ....., 19....., for $..... on Treasurer of the United States in favor of payee named above.
Cash, $....., on ....., 19.....

16—22900a-2

SEP 25 1952

METHOD OF OR ABSENCE OF ADVERTISING

METHOD OF ADVERTISING

1. Advertising in newspapers Yes ☐ No ☐.
2. (*a*) Advertising by circular letters sent to ..... dealers.
   (*b*) And by notices posted in public places Yes ☐ No ☐.

   (If notices were not posted in addition to advertising by circular letters sent to dealers, explanation of such omission must be made below.)

ABSENCE OF ADVERTISING

3. Without advertising, under an exigency of the service which existed prior to the order and would not admit of the delay incident to advertising.
4. Without advertising in accordance with .....
5. Without advertising, it being impracticable to secure competition because of .....

.....

.....

.....

.....

(Here state in detail the nature of the exigency or circumstances under which the securing of competition was impracticable under 3 and 4)

NOTE.—The above form "Method of or Absence of Advertising" is to be used when purchases are made or services secured under proper authority without written agreement in any form. In case of a written agreement (formal contract, proposal, and acceptance, or less formal agreement) Standard Form No. 1036—Revised should be used for abstracting the method of or absence of advertising and award of contract. (See General Regulations No. 51, as amended.)

U. S. GOVERNMENT PRINTING OFFICE : 1950 O—75805

16—22000a-2

Form MF-10a (Rev.)
(April 1952)

Budget Bureau No. 42-R1036.3.
Approval expires 6-30-53.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of July 1952 Docket No. DMEA 2292 Contract No. Idm-E 247
Operator's Name AMERICAN ALLOY METALS, INC. Minerals Tungsten
Address Glen, Mont.
Contract Amount, $ 56,584.00 Government Participation: 75 % Amount, $ 42,438.00

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling						
Bulldozing						
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor	1,990.66	6,038.16	8,028.82		5,563.76	7554.42
Supervision	564.00	2,922.00	3,486.00		2,922.00	3486.00
Technical Services						
(3) Operating Supplies: House Furnishings	86.60				0	86.60
Timber	25.55	5,411.33	6,274.71		56.80	82.35
Explosives	73.80				1883.43	1957.23
XXXX Diesel Fuel	122.54				315.34	437.88
XXXXX Drill Steel	131.30				268.42	399.72
Repair parts	199.48				257.22	456.70
Miss. Supplies	224.11				2973.66	3197.77
(4) Operating Equipment:						
Rental	689.00	3,678.38	4,367.38		2763.05	3452.05
Purchase	1,013.81	2,878.45	3,892.26		2794.08	3807.89
Depreciation	60.00	300.00	360.00		192.00	252.00
(5) Initial Rehabilitation and Repairs: Comp. House	—	2,327.48	2,327.48		2327.48	2327.48
(6) New Bldgs., Improvements, etc.	155.92	6,151.88	6,307.80		5576.39	5732.39
(7) Miscellaneous:						
Repairs to Equipment					131.80	131.80
Sampling and Analysis	38.95	—	38.95		—	38.95
Payroll Tax $2,710.58@4.5%	121.98	570.51	692.49		570.51	692.49
Liability Insurance $2,439.76 @ 5.6%	136.63	630.81	767.44		630.81	767.44
(8) Contingencies (specify):						
Office & Travel July	128.78	1,220.32	1,604.13		~~621.85~~	750.63
Office & Travel June	255.03				366.82	
Contingencies	—	586.49	586.49			
TOTALS	$ 6,018.14	$32,715.81	$38,733.95	6018.14	32715.81 mo	38733.95 mo
					30,633.06	36,651.20

I certify that the above bill is correct and just and that payment therefor has not been received.

Date Aug. 17, 1952 *Payee AMERICAN ALLOY METALS, INC.

Per Robert N. Roby Title Project Mgr.

*When a voucher is signed or receipted in the name of a company or corporation, the name of the person writing the company or corporate name, as well as the capacity in which he signs, must appear. For example: "John Doe Company, per John Smith, Secretary," or "Treasurer," as the case may be.

NOTE.—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.

American Alloy Metals, Inc.

(See reverse side)

Please send check to Suite 1225, One Montgomery St., San Francisco, Calif.

Pursuant to authority vested in me, I certify that this account is correct and proper for payment in the amount of:

$ 4,513.61

Signature
(Authorized Certifying Officer)

Date 9/18/52 Vou. No.
(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. IDA-E247 in accordance with the terms of the contract.

Signature John S. McNabb Jr. Title Mining Engineer Date Aug 20, 1952

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature Thomas E Howard Title Mining Engr Date 8/21/52

MONTHLY REPORT OF OPERATOR

The Operator (Contractor) of an exploration project is required to make a monthly report to the Government through the Regional Executive Officer. This report consists of three parts as follows:

(a) *Form MF-104—Operator's Monthly Report and Voucher.*—This form details expenditures and constitutes a voucher for reimbursing the Operator for the Government's share of costs;

(b) *Form MF-104A—Operator's Unit Cost and Progress Report.*—This is a statistical report of expenditures which shows costs for the various types of operation; and

(c) *Narrative.*—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered must be furnished as an attachment to this Report and Voucher. Wherever possible, the narrative is to be illustrated with maps or sketches showing formations penetrated and location and assays of samples taken as well as advances in workings. In the case of diamond drilling or churn drilling, the location and inclination of holes is to be shown on a map; logs and assays also are to be submitted.

The Monthly Report of Operator should be prepared in an original and four copies all of which must be sent to the Executive Officer of the Region not later than the 15th of the month following.

Preparation of Form MF-104—Operator's Monthly Report and Voucher.—All the applicable spaces in Form MF-104 should be filled in by the Operator, and the Operator or his agent should sign the certification in the lower left corner of the form.

The items of costs are arranged in the order they appear in Article 6 (a) of Form MF-200 (Revised February 1952), however, this form is readily adaptable for use in reporting activities under other contract forms.

Under Item (1) delete words "Short Form" if the contract is a sub-contract under Form MF-200; and delete word "Independent" if the contract reported is on Form MF-200 (A). Also, report work paid for on a unit basis under contract Form MF-200 as though it were performed under an independent contract.

Under Item (2) include labor, supervision and technical services incurred for the exploratory operations. Do not include labor, supervision and technical services used for work performed under items (5) and (6).

Under Item (3) include the costs of material and supplies used in the project other than that used under items (5) and (6).

Under Item (4) appear the three types of operating equipment expenditures, that is, rental, purchase and depreciation. The expenditures made for renting equipment belonging to a third party will be reported under "Rental". The amount paid or duly obligated for payment for the purchase of equipment will be reported under "Purchase". The amount of expenditures due the Operator to reimburse him for depreciation of equipment owned will be reported under "Depreciation".

Item (5) comprises costs of labor, supervision, technical services, materials, etc., which are used in the initial rehabilitation and repair of existing buildings, installations, fixtures, and equipment. These costs, therefore, should not be reported under items (2) and (3).

Item (6) includes the labor, supervision, technical services, materials, etc., used in the installation or construction of new buildings, fixed improvements, etc., necessary for the project. These costs, therefore, should not be reported under items (2) and (3).

Item (7) covers miscellaneous types of expenditure such as payroll taxes, liability insurance, workmen's compensation insurance, repairs to equipment and sampling and analysis. Only that part of payroll taxes, liability insurance and workmen's compensation which are paid by the operator should be reported under item (7). The share paid by the employee as a payroll deduction is to be included under item (2) as labor costs.

Item (8) includes any unforeseen costs not included in the other seven categories.

The original of Form MF-104 when submitted for reimbursable expenses incurred under contract Form MF-200 must be supported by original documentation or by certified copies of purchase orders, payrolls or transcripts of payrolls, unless such documentation has been waived by the Regional Executive Officer. This certification may be stated thus, "Certified True Copy (or Transcript)", followed by appropriate signature. If the Executive Officer of the Region determines that a contract under Form MF-200 should have an "on-site" audit, that is, a Government auditor should make an audit of the Operator's books and records of account, the Operator need not support his monthly voucher with original or certified documents except in cases of equipment purchases whose individual costs exceed $50.00. In these cases the original or a certified copy of the purchase order or invoice should be attached to the Monthly Voucher. N. B.—Only the *original* of Form MF-104 is required to be documented. The four copies of Form MF-104 are not to be thus supported.

Form MF-104 submitted for reimbursement under fixed price contracts on Form MF-200 (A), however, are not required to be supported by documentation of any kind. The Operator will submit his claim under item (1) of Form MF-104 by deleting as stated above the word "Independent" and by showing the number of feet or other units immediately after the appropriate descriptive word, such as, drilling, bulldozing, crosscutting, drifting, etc., and giving the "Monthly Total" amount due. "Totals Previously Reported", and "Totals to Date" columns should also be filled in.

U. S. GOVERNMENT PRINTING OFFICE 205675

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151
Approval expires 6-30-53.

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of July 2

Operator's Name AMERICAN ALLOY METALS, INC.

Address Glen, Mont.

Docket No. DMEA 2292

Contract No. Idm-E 247

Minerals Tungsten

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting		—	—	$12,668.25	229	$55.76		
Crosscutting	Feet	$4,848.41	60	$ 6,953.77	82	$84.80		
Raising								
Shafts								
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		$4,848.41		$19,622.02				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased		1,013.81		3,892.26				
Initial Rehabilitation and Repairs		—		5,893.82				
New Buildings, Improvements, etc		155.92		* 9,325.85				
TOTAL COSTS		$6,018.14		$38,733.95				

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

Date Aug. 17, 1952 Operator AMERICAN ALLOY METALS, INC.

Per Robert N. Roby Title Project Mgr.

REMARKS:

* Includes $680.30 for mine water system distributed in June

NOTE.—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.

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

Preparation of Form MF–104A—Operator's Unit Cost and Progress Report.—Applicable places on Form 104A should be filled in by the Operator. The purpose of this form is twofold as follows: (1) to furnish the supervising engineers and other administrators with statistical information necessary to better determine the progress of the project; and (2) to furnish more permanent information on mining costs for future use. The more important phases of operation on which permanent information is desired have been outlined in the form. There are blank lines, however, for those unusual phases which may need to be reported for a particular project. It will be necessary for the Operator to distribute his costs among the applicable phases reported with the exception of three items the costs of which are not to be distributed by the Operator. These three items are: "Operating Equipment Purchased", "Initial Rehabilitation and Repairs", and "New Buildings, Improvements, etc." The reason for not distributing these items on a monthly basis is doubtless clear to the Operator, since such distribution might well overstate the cost for any one month or period short of the entire contract period.

Form MF–104A has been designed to tie in with Form MF–104 for both monthly and cumulative costs. The "Total Costs" on Form MF–104A for each month should equal the monthly "Total Costs" as reported on Form MF–104. This is also true of the "Total Costs To Date".

In preparing Form MF–104A, it will be necessary frequently to distribute certain costs over a number of items. For instance, supervisory and engineering costs may have to be distributed over several phases, such as, drifting, crosscutting, raising, etc., provided that these items were reported active for the month. Such distributions should be made on the basis of time spent on the various phases, on man days of labor charged to such phases, or on some other equitable basis. "Operating Equipment", "Initial Rehabilitation and Repairs", and "New Buildings Improvements, etc.", will be distributed to the several phases of the project by the Washington Office of DMEA at the close of the project if determined necessary. The last two columns headed "Authorized by Contract" will be filled in by the Operator if such information is found in the contract. This information is usually a part of Exhibit "A" of the contract. A space for remarks has been provided for the use of the Operator to call attention to any unusual circumstances causing excessive or disproportionate unit costs.

U. S. GOVERNMENT PRINTING OFFICE 205676

COPY

AMERICAN ALLOY METALS, INC.
ONE MONTGOMERY STREET
SAN FRANCISCO 4, CALIFORNIA

PLEASE ADDRESS REPLY TO:
GLEN, MONTANA

July Narrative

The raise was advanced 60 feet during the month. Marble was cut in the raise 29 feet above the track and the footwall of the ore was cut at 34 feet. The strike of the footwall is 330°E ; dips 35° SW. The raise continued in ore from the footwall to the back as of Aug. 1.

The ore is dense hard garnet. It drills much easier than the granite in the adit. Less powder and fewer holes are required to break the ore than were required in the granite. No timber is required for support in the raise. It is anticipated that the ore will break nicely in mining.

It is planned to sample the ore by car samples as it is pulled from the raise. The mineral lamp shows the ore to fluorescence similar to ore on surface assaying 0.4 to 0.5 WO_3.

During the month two trenches were excavated on the east end of the deposit by sluicing with the water line from Agnes Creek. The ore in the most easterly trench is 57 feet thick normal to the dip and it averaged 0.60 WO_3. The ore in the next trench west is 81 feet thick and assay returns on 51 feet averaged 0.46 WO_3. The enclosed sketch shows the position to these trenches.

More samples have been taken from the trenches and from the raise and returns on these should be available by the end of the month.

It is planned to drill a horizontal diamond-drill hole from the face of the adit to cut the ore on the adit level.

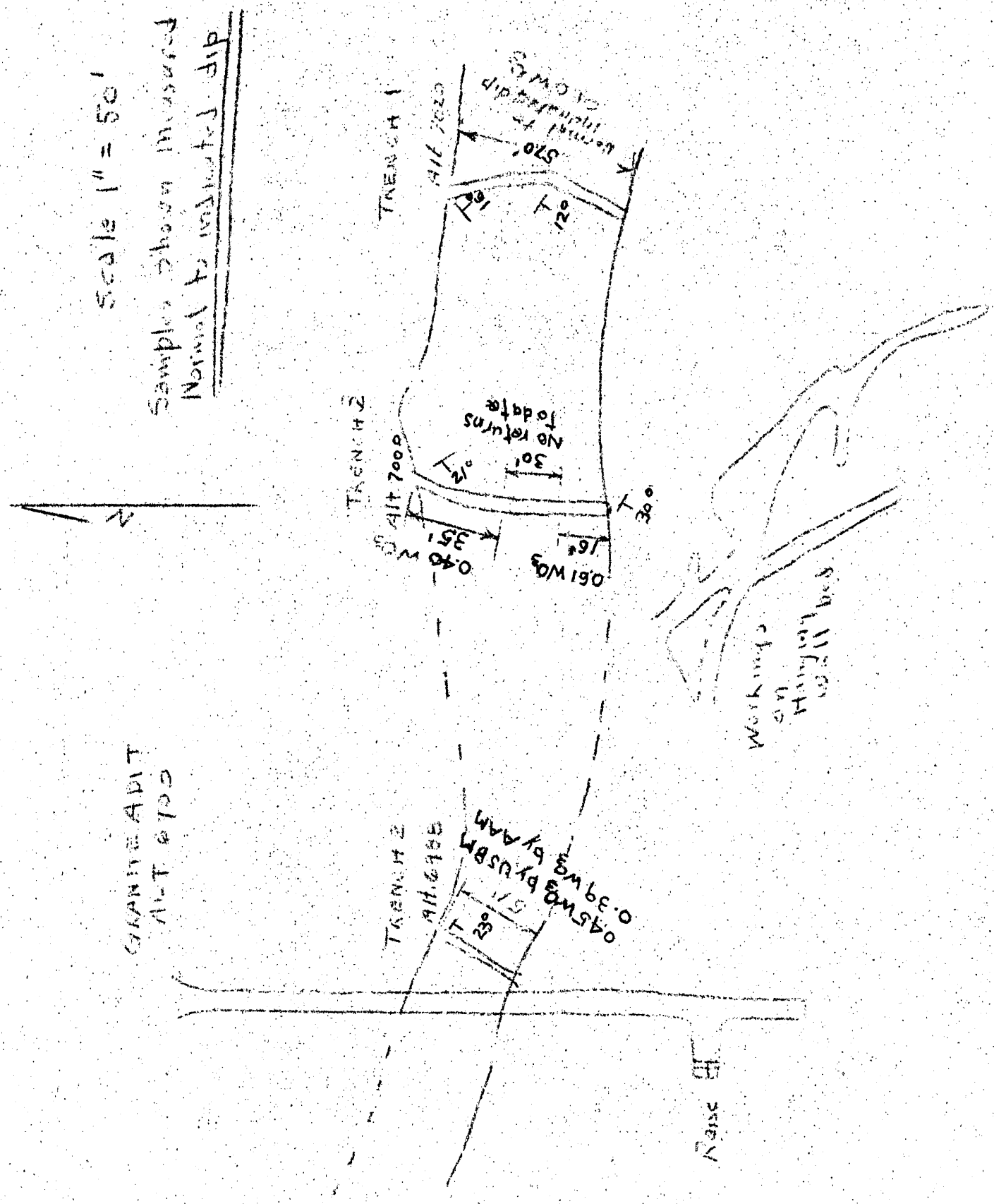
Robert N. Roby.

AMERICAN ALLOY METALS, INC.
By; Robert N. Roby
Project Mgr.

COPY

AMERICAN ALLOY METALS, INC.
ONE MONTGOMERY STREET
SAN FRANCISCO 4, CALIFORNIA

PLEASE ADDRESS REPLY TO:
GLEN, MONTANA



M. E. Volin, Member, DMEA Field Team, Reg. II July 22, 1952

John S. McNabb, Mining Engineer, Bureau of Mines

Routine inspection of American Alloys, Contract Idm-E247,
Brown's Lake Tungsten, Beaverhead County, Montana
Docket No. DMEA 2292 (tungsten)

The property was visited on May 20, 1952. At this time I measured 131.0' from the portal to the face of the adit being driven as a part of the exploration project. Mr. R. N. Roby, superintendent, stated that he hopes to eventually make 10 feet of advance per day. Thus far the progress has been much slower due to poor tramming facilities and the necessity of suspending drifting operations while the crew has been used to extend and relocate the dump. These impediments have no doubt been removed with the arrival of an air trammer which will replace the mucking machine for tramming, and with the completion of the work on the dump. Although it is unlikely that the goal of 10 feet of advance per day in the drift will be achieved, it is evident that future underground work will proceed at a more rapid rate. No safety violations were noted at the operation.

John S. McNabb

cc: Our Files (1)
USGS (2)
Wash. (2)

5D

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUL 22 1952

No. 157 Howard Street
Spokane 4, Washington

July 17, 1952

Memorandum

To: DMEA Field Team, Region II

From: A. E. Weissenborn, Exec. Officer, DMEA Field Team, Region II

Subject: Routine inspection of American Alloy Metals Company Project, Beaverhead County, Montana, Contract Idm-E247, Docket DMEA-2292, Tungsten.

The Brown's Lake Tungsten project, Beaverhead County, Montana, American Alloy Metals Company, Contract Idm-E247, was inspected on June 27, 1952, in company with M. E. Volin, U. S. Bureau of Mines, and Frank Eichelberger and R. N. Roby of the American Alloy Metals Company. Mr. W. B. Myers of the U. S. Geological Survey and Mr. George Aronis of the Greek Geological Survey, State Department Point IV Trainee, were also present during part of the discussions.

A rapid field review of the entire property south of the valley of Brown's Lake was made and considerable time was spent in examining the Granite tunnel. The old Granite tunnel has been enlarged and the tunnel has been advanced a distance of approximately 235 feet from the portal. About 50 feet from the portal a small inclusion of what the operator has mapped as "limestone" has been exposed in the back during the process of enlarging the tunnel. (See attached map and sections prepared by American Alloy Metals Co.) This is believed to be part of the quartzite near the base of the Amsden formation and is of considerable significance, as will be shown later. A diamond drill hole which was drilled in the back of the tunnel about 215 feet from the portal was started in granite and penetrated the quartzite into limestone and was terminated in tactite. The tactite in the drill hole shows on lamping about the amount of scheelite found elsewhere in the tactite in this locality. Assays are not yet available. A raise was started about 200 feet from the portal of the tunnel and at the time of the visit had cut the granite-quartzite contact and was in limestone. It is since reported to be in tactite which contains the expected amount of tungsten (i.e., 0.30 to 0.50 percent WO_3).

Myers' surface mapping of the Brown's Lake area, copy of which is attached, shows that the granite everywhere terminates against a quartzite bed near the base of the Amsden. The tactite zone lies

above the quartzite and is usually, although not everywhere, separated from it by a limestone bed which in places is altered to marble. Drill hole 11, drilled last season, caused us some concern because it seemed to indicate that in the locality of the drill hole the granite had a crosscutting relationship and might have "eaten up" the tactite zone, thus terminating the ore deposit down the dip of the beds. (See section BB.) On the results of the extension of the Granite tunnel and the drill hole and raise, we have reason to believe that although the quartzite apparently is thinning, the granite, at least within the limits of the tunnel, does not cut across the quartzite into the upper beds, and the effective dip of the beds is quite flat, possibly through folding or minor faulting. This would, in fact, explain the difficulty in trying to correlate the tactite zone between drill holes and between drill holes and old workings. We now, therefore, have much greater assurance of the continuity of the tactite zone. It is probable, based on inspection of the available exposures, that the tactite zone almost everywhere contains tungsten, with probable local concentrations of higher-grade material in lenses. The probability of there being significant tonnages of scheelite-bearing tactite of ore grade appear good, but how much of it can actually be considered as ore can only be determined after further exploration and development. During the inspection of the property, it was suggested that some of the outcrops that have been sampled, be resampled, and that additional sampling be done along the outcrops and several places were suggested where such sampling could be conveniently done. Robey reports that an outcrop about 200 feet east of the tunnel has been trenched and sampled. He states that lamping indicates that a thickness of perhaps 40 feet of tactite may run fairly high-grade ore, perhaps 2.00 percent. Assay results on these and other samples taken in the tunnel and elsewhere on the property have not yet been received.

It is obvious that the work is being prosecuted with commendable energy and effectiveness, and that the results to date are distinctly favorable, although it is still not possible to make any firm estimates of grade and tonnage.

A. E. Weissenborn
Executive Officer, DMEA
Field Team, Region II

Enclosures (3)

cc: DMEA (3)
USBM (2) w/last of encls.
W.B.Myers w/o Encl.

Butte, Montana
July 8, 1952

M. E. Volin, Member, DMEA Field Team, Region II

John S. McNabb, Mining Engineer, Mining Division, Region II

Routine Inspection, Contract No. Idm-E-247, Docket No. DMEA 2292, American Alloy Metals Inc., tungsten, Beaverhead County, Montana.

The tungsten property of the American Alloy Metals, Inc. was visited on July 1, 1952, and a routine inspection was made.

During the month since my last visit to the property considerable progress had been made. Drifting to be done under Stage I of the contract was completed. Distance from the portal to the face measured 227.7 feet. Advance in the drift during the month amounted to 96.7 feet. A vertical raise to be driven from the end of the drift was begun, and at the date of my inspection had reached a height of 27 feet above the floor of the drift. Information revealed by a test diamond drill hole indicates that ore will be intersected in the raise at a height of approximately 33 feet. Also during the month 160 feet of tailtrack over the dump was laid, and a 14' x 16' blacksmith shop was erected.

Invoicing difficulties continue to plague this project. Mr. R. N. Roby, engineer in charge, and myself discussed this problem in detail. We came to the conclusion that placing the contract on a footage basis is the one factor that would do most toward abolishing the existing invoicing troubles. We intend to get together in the near future and convert the items in the contract to a footage basis and submit our proposal to your office for approval. I am sure that if we can convert the contract to a footage basis future invoicing problems will be held to a minimum, and the cost of administering the contract will be less for both the operator and the government.

John S. McNabb

Orig. DMEA File
cc: U.S.G.S. (2)
Washington D.C. (2)
JSM

Standard Form No. 1034a—Revised
Form prescribed by
Comptroller General, U. S.
September 7, 1950
(Gen. Reg. No. 51, Supp. No. 11)

PUBLIC VOUCHER FOR PURCHASES AND SERVICES OTHER THAN PERSONAL

D. O. Vou. No. _____

Bu. Vou. No. DMA-306

U. S. Interior, Mines
(Department, bureau, or establishment)

Voucher prepared at Albany, Oregon 7/29/52
(Give place and date)

THE UNITED STATES, Dr., Payee's Account No. Idm-247

To American Alloy Metals, Inc.,
C/O Mr. E. A. Julian, (Payee)
One Montgomery St., San Francisco, California
(Address) (City) (State)

PAID BY

(For use of Paying Office)

No. and Date of Order	Date of Delivery or Service	ARTICLES OR SERVICES (Enter description, item number of contract or Federal supply schedule, and other information deemed necessary) Discount Terms net	QUANTITY	UNIT PRICE Cost	UNIT PRICE Per	AMOUNT Dollars	AMOUNT Cts.
	June 1952	As per attached certified Form MP-104 dtd. 6/15/52				4,159	68
PAYMENT: Complete ☐ Partial ☐ Final ☐		Use continuation sheet(s) if necessary					

Shipped from to Weight Government B/L No. Total 4,159 68

(Payee must NOT use this space)

Differences _____

Account verified; correct for 4,159.68

(Signature or initials) _____

Contract No. Idm-247 Date Req. No. Date Invoice Rec'd.

4,159.68

AUG 4 1952

MEMORANDUM

ACCOUNTING CLASSIFICATION (For completion by Administrative Office)

Appropriation, limitation, or project symbol	Appropriation title	Limit'n. or Proj't. Amount	Appropriation Amount
14X4401	Revolving Fund, Defense Production Act, Interior	4,159.68	4,159.68

Allotment symbol	Amount	Obligations liquidated	COST ACCOUNT Symbol	COST ACCOUNT Amount	OBJECTIVE CLASSIFICATION Symbol	OBJECTIVE CLASSIFICATION Amount

Paid by { Check No. _____ dated _____, 19____, for $_____ / Cash, $_____, on _____, 19____. } on Treasurer of the United States in favor of payee named above.

16—22900a-2

METHOD OF OR ABSENCE OF ADVERTISING

METHOD OF ADVERTISING

1. Advertising in newspapers Yes ☐ No ☐.
2. (*a*) Advertising by circular letters sent to ..... dealers.
   (*b*) And by notices posted in public places Yes ☐ No ☐.

   (If notices were not posted in addition to advertising by circular letters sent to dealers, explanation of such omission must be made below.).

ABSENCE OF ADVERTISING

3. Without advertising, under an exigency of the service which existed prior to the order and would not admit of the delay incident to advertising.
4. Without advertising in accordance with .....
5. Without advertising, it being impracticable to secure competition because of .....

.....

.....

.....

.....

(Here state in detail the nature of the exigency or circumstances under which the securing of competition was impracticable under 3 and 4)

NOTE.—The above form "Method of or Absence of Advertising" is to be used when purchases are made or services secured under proper authority without written agreement in any form. In case of a written agreement (formal contract, proposal, and acceptance, or less formal agreement) Standard Form No. 1036—Revised should be used for abstracting the method of or absence of advertising and award of contract. (See General Regulations No. 51, as amended.)

U. S. GOVERNMENT PRINTING OFFICE : 1950 O—75805

16—22000a-2

Form MF-104 (Rev.)
(April 1952)

Budget Bureau No. 42-R1036.3.
Approval expires 6-30-53.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of June 52 Doc. No. DMEA 2292 Contract No. Idm-247
Operator's Name AMERICAN ALLOY METALS, INC. Minerals Tungsten
Address Glen, Mont.
Contract Amount, $ 56,584.00 Government Participation: 75 % Amount, $ 42,438.00

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling						
Bulldozing						2,973.66
Crosscutting						
Drifting						
(2) Labor and Supervision:	1,841.37	4,196.79	6,038.16			
Labor	522.00	2,400.00	2,922.00		3722.39	5563.76
Supervision						2922.00
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber	56.80				0000	56.80
Explosives	1,070.70			Expense	812.73	1883.43
XXI Drill Steel	268.42					268.42
Pipe						
XXXX Diesel Fuel	315.34					315.34
Track						
Repair parts	257.22					257.22
Misc. Supplies	200.43	3,242.42	5,411.93	1098.21	2,773.23	3871.44
(4) Operating Equipment:						
Rental	689.00	2,989.38	3,678.38		2,074.05	2763.05
Purchase	434.85	3,457.41	3,892.26	— 0 —	2,794.08	2794.08
Depreciation	60.00	240.00	300.00		192.00	192.00
(5) Initial Rehabilitation and Repairs	—	2,327.48	2,327.48		3,366.89	3366.89 paid
(6) New Bldgs., Improvements, etc.	409.83	1,220.32	1,475.35	— 0 —	5,576.47	5576.47 paid
(7) Miscellaneous:						
Repairs to Equipment					131.80	131.80
Sampling and Analysis	122.11	448.40	570.51			570.51
Payroll Taxes						
Liability Insurance Work. Comp.	142.86	487.95	630.81			630.81
(8) Contingencies (specify):						
Office & Travel	255.03	1,220.32	1,475.35	— 0 —	366.82	366.82
Contingencies	—	586.49	586.49		— 0 —	
TOTALS	$6,645.96	$27,338.69	$33,984.65	5546.25	25,086.81	30,633.06

I certify that the above bill is correct and just and that payment therefor has not been received.
Date June 15, 1952 Payee AMERICAN ALLOY METALS, INC.
Per Robert N. Roby Title Project Mgr.

*When a voucher is signed or receipted in the name of a company or corporation, the name of the person writing the company or corporate name, as well as the capacity in which he signs, must appear. For example: "John Doe Company, per John Smith, Secretary," or "Treasurer," as the case may be.

NOTE.—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.

(Instructions on reverse)

Pursuant to authority vested in me, I certify that this account is correct and proper for payment in the amount of:
$ 4,159.68
Signature
(Authorized Certifying Officer)
Date Vou. No.
(See other side)

PLEASE SEND CHECK TO: Mr. E. A. Julian, One Montgomery St., San Francisco, Calif.

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. IDm-E 247 in accordance with the terms of the contract.

Signature John S. McNabb Jr. Title Mining Engineer Date 7-21-52

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature Thomas E Howard Title Mining Engr. Date 7-22-52

MONTHLY REPORT OF OPERATOR

The Operator (Contractor) of an exploration project is required to make a monthly report to the Government through the Regional Executive Officer. This report consists of three parts as follows:

(a) *Form MF-104—Operator's Monthly Report and Voucher.*—This form details expenditures and constitutes a voucher for reimbursing the Operator for the Government's share of costs;

(b) *Form MF-104A—Operator's Unit Cost and Progress Report.*—This is a statistical report of expenditures which shows costs for the various types of operation; and

(c) *Narrative.*—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered must be furnished as an attachment to this Report and Voucher. Wherever possible, the narrative is to be illustrated with maps or sketches showing formations penetrated and location and assays of samples taken as well as advances in workings. In the case of diamond drilling or churn drilling, the location and inclination of holes is to be shown on a map; logs and assays also are to be submitted.

The Monthly Report of Operator should be prepared in an original and four copies all of which must be sent to the Executive Officer of the Region not later than the 15th of the month following.

Preparation of Form MF-104—Operator's Monthly Report and Voucher.—All the applicable spaces in Form MF-104 should be filled in by the Operator, and the Operator or his agent should sign the certification in the lower left corner of the form.

The items of costs are arranged in the order they appear in Article 6 (a) of Form MF-200 (Revised February 1952), however, this form is readily adaptable for use in reporting activities under other contract forms.

Under Item (1) delete words "Short Form" if the contract is a sub-contract under Form MF-200; and delete word "Independent" if the contract reported is on Form MF-200 (A). Also, report work paid for on a unit basis under contract Form MF-200 as though it were performed under an independent contract.

Under Item (2) include labor, supervision and technical services incurred for the exploratory operations. Do not include labor, supervision and technical services used for work performed under items (5) and (6).

Under Item (3) include the costs of material and supplies used in the project other than that used under items (5) and (6).

Under Item (4) appear the three types of operating equipment expenditures, that is, rental, purchase and depreciation. The expenditures made for renting equipment belonging to a third party will be reported under "Rental". The amount paid or duly obligated for payment for the purchase of equipment will be reported under "Purchase". The amount of expenditures due the Operator to reimburse him for depreciation of equipment owned will be reported under "Depreciation".

Item (5) comprises costs of labor, supervision, technical services, materials, etc., which are used in the initial rehabilitation and repair of existing buildings, installations, fixtures, and equipment. These costs, therefore, should not be reported under items (2) and (3).

Item (6) includes the labor, supervision, technical services, materials, etc., used in the installation or construction of new buildings, fixed improvements, etc., necessary for the project. These costs, therefore, should not be reported under items (2) and (3).

Item (7) covers miscellaneous types of expenditure such as payroll taxes, liability insurance, workmen's compensation insurance, repairs to equipment and sampling and analysis. Only that part of payroll taxes, liability insurance and workmen's compensation which are paid by the operator should be reported under item (7). The share paid by the employee as a payroll deduction is to be included under item (2) as labor costs.

Item (8) includes any unforeseen costs not included in the other seven categories.

The original of Form MF-104 when submitted for reimbursable expenses incurred under contract Form MF-200 must be supported by original documentation or by certified copies of purchase orders, payrolls or transcripts of payrolls, unless such documentation has been waived by the Regional Executive Officer. This certification may be stated thus, "Certified True Copy (or Transcript)", followed by appropriate signature. If the Executive Officer of the Region determines that a contract under Form MF-200 should have an "on-site" audit, that is, a Government auditor should make an audit of the Operator's books and records of account, the Operator need not support his monthly voucher with original or certified documents except in cases of equipment purchases whose individual costs exceed $50.00. In these cases the original or a certified copy of the purchase order or invoice should be attached to the Monthly Voucher. N. B.—Only the *original* of Form MF-104 is required to be documented. The four copies of Form MF-104 are not to be thus supported.

Form MF-104 submitted for reimbursement under fixed price contracts on Form MF-200 (A), however, are not required to be supported by documentation of any kind. The Operator will submit his claim under item (1) of Form MF-104 by deleting as stated above the word "Independent" and by showing the number of feet or other units immediately after the appropriate descriptive word, such as, drilling, bulldozing, crosscutting, drifting, etc., and giving the "Monthly Total" amount due. "Totals Previously Reported", and "Totals to Date" columns should also be filled in.

U. S. GOVERNMENT PRINTING OFFICE 205675

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151
Approval expires 6-30-53.

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of June 1952 Docket No. DMEA 2292 Contract No. Idm-E 247
Operator's Name AMERICAN ALLOY METALS, INC. Minerals Tungsten
Address Glen, Mont.

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting	Foot	3,370.66	75	12,668.25	229	55.76	250	
Crosscutting	Foot	2,360.39	22	2,360.39	22	107.29	100	
Raising								
Shafts		5731.05						
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Mine Water System	Job	20.96	0	680.30		Complete Job		$775.00
TOTAL DISTRIBUTED COSTS		5,752.01		15,708.94				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased		434.85		4,162.94				
Initial Rehabilitation and Repairs		—		5,623.11				
New Buildings, Improvements, etc.		459.10		8,489.63				
TOTAL COSTS		6,645.96		33,984.62				

662.94
20.96
683.90

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

Date June 15, 1952 Operator AMERICAN ALLOY METALS, INC.

Per Robert N. Roby Title Project Mgr.

REMARKS:

→ NOTE.—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.

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

Preparation of Form MF–104A—Operator's Unit Cost and Progress Report.—Applicable places on Form 104A should be filled in by the Operator. The purpose of this form is twofold as follows: (1) to furnish the supervising engineers and other administrators with statistical information necessary to better determine the progress of the project; and (2) to furnish more permanent information on mining costs for future use. The more important phases of operation on which permanent information is desired have been outlined in the form. There are blank lines, however, for those unusual phases which may need to be reported for a particular project. It will be necessary for the Operator to distribute his costs among the applicable phases reported with the exception of three items the costs of which are not to be distributed by the Operator. These three items are: "Operating Equipment Purchased", "Initial Rehabilitation and Repairs", and "New Buildings, Improvements, etc." The reason for not distributing these items on a monthly basis is doubtless clear to the Operator, since such distribution might well overstate the cost for any one month or period short of the entire contract period.

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U. S. GOVERNMENT PRINTING OFFICE 205676

COPY

AMERICAN ALLOY METALS, INC.
ONE MONTGOMERY STREET
SAN FRANCISCO 4, CALIFORNIA

9/19/52

PLEASE ADDRESS REPLY TO:
GLEN, MONTANA

June Narrative

At the start of the month the adit heading was in dense hard granite. It was difficult to break more than 4 feet of advance each round. The last 20 or 30 feet in the adit was in granite that is softer and has many fractures filled with calcite and quartz. An occasional speck of scheelite was noted in the dense granite but was not concentrated to any extent in the fractures.

A raise was started on June 18 at a point about 195 feet in from the original portal of the granite adit. At this time work was stopped in the adit. On July 1 the raise was up 22 feet

The granite-quartzite contact was cut in the raise at an average height of about 15 feet above the adit track level. The contact strikes S. 25°-30°E. and dips about 35°SW. The presence of the "green" quartzite is more-or-less a marker horizon. On surface the granite-quartzite contact can be traced along the outcrop for several hundred feet. The quartzite ranges in thickness from 5 to 40 feet. It seems to be the member of the sedimentary series that stopped the transgression of the granite into the sediments. Above the quartzite will be 5 to 20 feet of marble and above the marble will be the tactite ore.

The vertical raise will be advanced upward through the ore to the hanging wall. This will complete step on of the project.

Robert N. Roby

AMERICAN ALLOY METALS, INC.
By: Robert N.Roby
Project Mgr.

Standard Form No. 1034a—Revised
Form prescribed by
Comptroller General, U. S.
September 7, 1950
(Gen. Reg. No. 51, Supp. No. 11)

PUBLIC VOUCHER FOR PURCHASES AND SERVICES OTHER THAN PERSONAL

D. O. Vou. No. .....

Bu. Vou. No. DMA-276

U. S. Interior, Mines
(Department, bureau, or establishment)

Voucher prepared at Albany, Oregon 7/3/52
(Give place and date)

THE UNITED STATES, Dr., Payee's Account No. Idm-E-247

To American Alloy Metals, Inc.,
(Payee)

Glen, Montana
(Address) (City) (State)

PAID BY

(For use of Paying Office)

No. and Date of Order	Date of Delivery or Service	ARTICLES OR SERVICES (Enter description, item number of contract or Federal supply schedule, and other information deemed necessary)	QUANTITY	UNIT PRICE Cost	UNIT PRICE Per	AMOUNT Dollars	AMOUNT Cts.
	May 1952	Discount Terms net As per attached Certified Form MF-104 dtd. 6/14/52				3,986 38	

PAYMENT:
Complete ☐
Partial ☐
Final ☐

Use continuation sheet(s) if necessary

Shipped from to Weight Government B/L No. Total 3,986 38

(Payee must NOT use this space)

Differences .....

Account verified; correct for 3,986. 38

(Signature or initials) .....

Contract No. Idm-E 247 Date Req. No. Date Invoice Rec'd.

3,986.38

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUL 7 - 1952

MEMORANDUM

ACCOUNTING CLASSIFICATION (For completion by Administrative Office)

Appropriation, limitation, or project symbol	Appropriation title	Limit'n. or Proj't. Amount	Appropriation Amount
14X4401	Revolving Fund, Defense Production Act, Interior	3,986.38	3,986.38

Allotment symbol	Amount	Obligations liquidated	COST ACCOUNT Symbol	COST ACCOUNT Amount	OBJECTIVE CLASSIFICATION Symbol	OBJECTIVE CLASSIFICATION Amount

Paid by { Check No. ..... dated ....., 19....., for $..... } on Treasurer of the United States in favor of payee named above.
{ Cash, $....., on ....., 19.....

16—22900a-2

METHOD OF OR ABSENCE OF ADVERTISING

METHOD OF ADVERTISING

1. Advertising in newspapers Yes ☐ No ☐.
2. (*a*) Advertising by circular letters sent to ..... dealers.
   (*b*) And by notices posted in public places Yes ☐ No ☐.

   (If notices were not posted in addition to advertising by circular letters sent to dealers, explanation of such omission must be made below.).

ABSENCE OF ADVERTISING

3. Without advertising, under an exigency of the service which existed prior to the order and would not admit of the delay incident to advertising.
4. Without advertising in accordance with .....
5. Without advertising, it being impracticable to secure competition because of .....

.....

.....

.....

.....

(Here state in detail the nature of the exigency or circumstances under which the securing of competition was impracticable under 3 and 4)

NOTE.—The above form "Method of or Absence of Advertising" is to be used when purchases are made or services secured under proper authority without written agreement in any form. In case of a written agreement (formal contract, proposal, and acceptance, or less formal agreement) Standard Form No. 1036—Revised should be used for abstracting the method of or absence of advertising and award of contract. (See General Regulations No. 51, as amended.)

U. S. GOVERNMENT PRINTING OFFICE : 1950 O—75805

16—22000a-2

104 (Rev.)
952)

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Budget Bureau No. 42-R1036.3.
Approval expires 6-30-53.

OPERATOR'S MONTHLY REPORT AND VOUCHER

W. Office

Month of May 1952 Docket No. DMEA 2292 Contract No. Idm-E 247
Operator's Name American Alloy Metals, Inc. Minerals Tungsten
Address Glen, Mont.
Contract Amount, $ 56,584.00 Government Participation: 75 % Amount, $ 42,438.00

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling						
Bulldozing						
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor	1,795.24	2,401.55	4,196.79	1795.24	1927.15	3722.39
Supervision	600.00	1,800.00	2,400.00	600.00	1800.00	2400.00
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives				483.43	329.30	812.73
Pipe						
Track						
See attached sched.	1,265.38	1,977.04	3,242.42	678.27	2094.96	2773.23
(4) Operating Equipment:						
Rental	414.00	2,575.38	2,989.38	414.00	1660.05	2074.05
Purchase	578.96	2,878.45	3457.41	—	2794.08	2794.08
Depreciation	60.00	180.00	240.00	60.00	72.00	132.00
(5) Initial Rehabilitation and Repairs	—	2,327.48	2,327.48		3366.89	3366.89
(6) New Bldgs., Improvements, etc.	820.11	4,921.94	5,742.05	570.11	5,006.36	5576.47
(7) Miscellaneous:						
Repairs to Equipment				103.68	28.12	131.80
Sampling and Analysis						
Payroll Taxes	112.29	336.11	448.40	112.29	336.11	448.40
Liability Insurance: Workmen's Comp.	131.34	356.61	487.95	131.34	356.61	487.95
(8) Contingencies (specify):						
Accounting, office and travel exp.	366.82	853.50	1,220.32	366.82		366.82
Contingencies	—	586.49	586.49	—	—	—
TOTALS	6,144.14	21,194.54	27,338.69	5315.18	19,771.63	25,086.81

I certify that the above bill is correct and just and that payment therefor has not been received.

Date June 4, 1952 AMERICAN ALLOY METALS, INC.
*Payee
Per Robert H. Roby Title Project Manager

DEPARTMENT OF THE INTERIOR
Minerals Administration
RECEIVED
JUL 8 1952

*When a voucher is signed or receipted in the name of a company or corporation, the name of the person writing the company or corporate name, as well as the capacity in which he signs, must appear. For example: "John Doe Company, per John Smith, Secretary," or "Treasurer," as the case may be.

NOTE.—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.

(Instructions on reverse)

Pursuant to authority vested in me, I certify that this account is correct and proper for payment in the amount of:

$ 3986.28

Signature
(Authorized Certifying Officer)

Date 7/2/52 Vou. No.
(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. Idm-E247 in accordance with the terms of the contract.

Signature John S. McNabb Jr. Title Mining Engineer Date 6-19-52

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature Glenn Reed Title Mng. Engr. Date 6/23

MONTHLY REPORT OF OPERATOR

The Operator (Contractor) of an exploration project is required to make a monthly report to the Government through the Regional Executive Officer. This report consists of three parts as follows:

(a) *Form MF-104—Operator's Monthly Report and Voucher.*—This form details expenditures and constitutes a voucher for reimbursing the Operator for the Government's share of costs;

(b) *Form MF-104A—Operator's Unit Cost and Progress Report.*—This is a statistical report of expenditures which shows costs for the various types of operation; and

(c) *Narrative.*—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered must be furnished as an attachment to this Report and Voucher. Wherever possible, the narrative is to be illustrated with maps or sketches showing formations penetrated and location and assays of samples taken as well as advances in workings. In the case of diamond drilling or churn drilling, the location and inclination of holes is to be shown on a map; logs and assays also are to be submitted.

The Monthly Report of Operator should be prepared in an original and four copies all of which must be sent to the Executive Officer of the Region not later than the 15th of the month following.

Preparation of Form MF-104—Operator's Monthly Report and Voucher.—All the applicable spaces in Form MF-104 should be filled in by the Operator, and the Operator or his agent should sign the certification in the lower left corner of the form.

The items of costs are arranged in the order they appear in Article 6 (a) of Form MF-200 (Revised February 1952), however, this form is readily adaptable for use in reporting activities under other contract forms.

Under Item (1) delete words "Short Form" if the contract is a sub-contract under Form MF-200; and delete word "Independent" if the contract reported is on Form MF-200 (A). Also, report work paid for on a unit basis under contract Form MF-200 as though it were performed under an independent contract.

Under Item (2) include labor, supervision and technical services incurred for the exploratory operations. Do not include labor, supervision and technical services used for work performed under items (5) and (6).

Under Item (3) include the costs of material and supplies used in the project other than that used under items (5) and (6).

Under Item (4) appear the three types of operating equipment expenditures, that is, rental, purchase and depreciation. The expenditures made for renting equipment belonging to a third party will be reported under "Rental". The amount paid or duly obligated for payment for the purchase of equipment will be reported under "Purchase". The amount of expenditures due the Operator to reimburse him for depreciation of equipment owned will be reported under "Depreciation".

Item (5) comprises costs of labor, supervision, technical services, materials, etc., which are used in the initial rehabilitation and repair of existing buildings, installations, fixtures, and equipment. These costs, therefore, should not be reported under items (2) and (3).

Item (6) includes the labor, supervision, technical services, materials, etc., used in the installation or construction of new buildings, fixed improvements, etc., necessary for the project. These costs, therefore, should not be reported under items (2) and (3).

Item (7) covers miscellaneous types of expenditure such as payroll taxes, liability insurance, workmen's compensation insurance, repairs to equipment and sampling and analysis. Only that part of payroll taxes, liability insurance and workmen's compensation which are paid by the operator should be reported under item (7). The share paid by the employee as a payroll deduction is to be included under item (2) as labor costs.

Item (8) includes any unforeseen costs not included in the other seven categories.

The original of Form MF-104 when submitted for reimbursable expenses incurred under contract Form MF-200 must be supported by original documentation or by certified copies of purchase orders, payrolls or transcripts of payrolls, unless such documentation has been waived by the Regional Executive Officer. This certification may be stated thus, "Certified True Copy (or Transcript)", followed by appropriate signature. If the Executive Officer of the Region determines that a contract under Form MF-200 should have an "on-site" audit, that is, a Government auditor should make an audit of the Operator's books and records of account, the Operator need not support his monthly voucher with original or certified documents except in cases of equipment purchases whose individual costs exceed $50.00. In these cases the original or a certified copy of the purchase order or invoice should be attached to the Monthly Voucher. N. B.—Only the *original* of Form MF-104 is required to be documented. The four copies of Form MF-104 are not to be thus supported.

Form MF-104 submitted for reimbursement under fixed price contracts on Form MF-200 (A), however, are not required to be supported by documentation of any kind. The Operator will submit his claim under item (1) of Form MF-104 by deleting as stated above the word "Independent" and by showing the number of feet or other units immediately after the appropriate descriptive word, such as, drilling, bulldozing, crosscutting, drifting, etc., and giving the "Monthly Total" amount due. "Totals Previously Reported", and "Totals to Date" columns should also be filled in.

U. S. GOVERNMENT PRINTING OFFICE 205675

COPY

AMERICAN ALLOY METALS, INC.
ONE MONTGOMERY STREET
SAN FRANCISCO 4, CALIFORNIA

PLEASE ADDRESS REPLY TO:
GLEN, MONTANA

MONTHLY SUMMARY COST STATEMENT
(To accompany Form MF-104(Rev.))
CONTRACT Idm-E 247

May 1952

	Monthly total	Previous total	Total to date
1. FIXTURES AND IMPROVEMENTS			
(a) Facilities			
Camp Water System	$ ——	$ 970.45	$ 970.45
Tram	——	2,135.96	2,135.96
Mine Water System			
Labor	100.00		
Materials	470.11	——	570.11
(b) Buildings			
Compressor house-shop			
Materials	250.00		
Labor	——	1,124.96	1,374.96
(c) Fixtures			
Mine Rail and Pipe	——	690.57	690.57
2. OPERATING EQUIPMENT			
(a) Purchased			
Oil Stoves	——	317.55	31755
1/3 cm Rock Drill	178.96	981.54	1,160.50
Chain saw	——	383.50	383.50
Mine Cars	400.00	800.00	1,200.00
Air receiver	——	158.40	158.40
Freight on mine cars	——	128.21	128.21
Small equipment	——	109.25	109.25
(b) Rented			
Mucking Machine, 3 months	——	825.00	825.00
365 cfm Compressor	414.00	1,242.00	1,656.00
Freight on Mucking machine	——	93.01	93.01
Freight on compressors	——	138.52	138.52
Rental on rock drill and eq.	——	276.85	276.85
(c) Furnished by American Alloy Metals, Inc.			
Pickup truck	30.00	90.00	120.00
Auto Car truck	30.00	90.00	120.00
3. REHABILITATION AND REPAIRS			
(a) Facilities			
Access Road	——	1,939.22	1,939.22
(b) Buildings			
Winterizing Cabins	——	388.26	388.26
(c) Installations Comp. Repairs See Supplies	——	——	——
4. LABOR			
Enlarging and advancing adit.	1,518.60	1,464.09	2,982.69
Cook	276.64	937.46	1,214.10
(Other labor included in items as shown)			
5. SUPERVISION	600.00	1,800.00	2.400.00

COPY

AMERICAN ALLOY METALS, INC.
ONE MONTGOMERY STREET
SAN FRANCISCO 4, CALIFORNIA

PLEASE ADDRESS REPLY TO:
GLEN, MONTANA

MONTHLY SUMMARY COST STATEMENT
(To accompany Form MF-104 (Rev.))
Contract Idm# 247

May 1952

Continued

	Monthly total	Previous total	Total to date
6. SUPPLIES			
(a) Timber	---	---	---
(b) Explosives	$ 483.43	$ 329.30	$812.73
(c) Repair parts			
Chain saw parts	41.38		
Mucking machine parts	62.30	29.62	133.30
(d) Drill Steel	62.55	94.62	157.17
(e) Diesel Fuel	156.66	258.31	414.97
(f) Gasoline	---	54.73	54.73
(g) House furnishings	1.20	269.48	270.68
(h) Misc. supplies	457.86	803.34	1,261.20
(i) Lubricating Oil	---	137.64	137.64
7. POWER	****	---	---
8. Miscellaneous			
(a) Accounting, office and traveling expenses	366.82	853.50	1,220.32
(b) Contingencies	---	586.49	586.49
9. INSURANCE			
(a) Fire			
(b) Public Liability			
(c) Workmen's Compensation $2,345.44 @ 5.6%	131.34	356.61	487.95
10. Contract Work (See Access Road)			
11. OTHER			
Payroll taxes			
Mont. Unemployment 2.7 %			
Fed. Excise 0.3			
Fed. Soc. Sec. 1.5			
$2,495.24 @ 4.5 %	112.29	336.11	448.40
TOTALS	$6,144.14	$21,194.54	$27,338.69
DELETIONS from Feb., March, and April MF-104			202.78

Form [illegible]
(April 1952)

Budget Bureau No. 42-R1151
Approval expires 6-30-53.

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of May 2 Docket No. DMEA 2292 Contract No. Idm E 247
Operator's Name AMERICAN ALLOY METALS, INC. Minerals Tungsten
Address Glen, Mont.

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT	
							Units	Unit Costs
Drifting								
Crosscutting	Ft.	4,652.24	64.0	9,353.95	154	60.73		
Raising								
Shafts								
Winzes								
Drilling: Core								
Churn								
Auger								
Mine water system								
Stripping	Job	662.94	Complete	662.94	Complete	662.94	Job	775.00
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		5,315.18		10,016.89				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased		578.96		3,457.41				
Initial Rehabilitation and Repairs				3,714.84				
New Buildings, Improvements, etc.		250.00		10,149.54				
TOTAL COSTS		6,144.14		27,338.68				

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

Date June 14, 1952 Operator AMERICAN ALLOY METALS, INC.

Per Robert N. Roby Robert N. Roby Title Project Manager

REMARKS:

→ NOTE.—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.

(Instructions on reverse)

(For Government use only)

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUL 7 - 1952

INSTRUCTIONS

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Form MF-104A has been designed to tie in with Form MF-104 for both monthly and cumulative costs. The "Total Costs" on Form MF-104A for each month should equal the monthly "Total Costs" as reported on Form MF-104. This is also true of the "Total Costs To Date".

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U. S. GOVERNMENT PRINTING OFFICE 205676

COPY

AMERICAN ALLOY METALS, INC.
ONE MONTGOMERY STREET
SAN FRANCISCO 4, CALIFORNIA

Docket No. 2292
(tungsten)
Contract Idm-E247
Beaverhead Co.,
Mont.

SD

PLEASE ADDRESS REPLY TO:
GLEN, MONTANA

MONTHLY NARRATIVE
Contract Idm-E247
May 1952

During the month the cross cut adit was advanced 64 feet. I was necessary also to extend the waste track to the west of the adit about 150 feet to eliminate the danger of rocks rolling down on the compressor and equipment at the foot of the tram.

The granite in the adit was extremely hard and dense, which slowed the advance per round considerably. The cross cut was in granite for the entire distance and no geologic structure of significance was cut.

The cars were trammed by hand for most of the period but this proved too difficult to do. An Elmco Air trammer was placed in service on May 31.

A mine water system was installed which consisted of 1,000 feet of 1-1/4 inch plastic pipe. The pipe is flexible and comes in 300 foot rolls each of which weighs 80 pounds. One man could carry 300 feet of the pipe up the steep mountain slope. The pipe was coupled with standard threaded pipe fittings. Threads were cut on the pipe with a regular pipe thread cutter and the fitting were screwed on by hand. The pipe line heads a hydraulic head of about 200 feet. The pipe is designed for a working pressure of 120 lbs. per square inch. The line is giving excellent service.

Robert N. Roby

AMERICAN ALLOY METALS, INC.
BY Robert N. Roby
Proj. Mgr.

JUN - 1 1952

MF-104
(August 1951)

Budget Bureau No. 42-R1036.2.
Approval Expires 6-30-52.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Contract No. 287
Idm-E

6/24/52

Name of Operator [illegible]
Docket No. DMA [illegible]
Total Contract Amount $ [illegible] 68,[illegible]
Government Participation: [illegible]% Amount $
Distribution of Expenditures for Month of

Cant proportion deletions.

STRATEGIC AND CRITICAL MINERAL EXPLORATION PROGRAM
OPERATOR'S MONTHLY PROGRESS REPORT

Operators are to submit monthly reports to the designated field representative of the Defense Minerals Administration. Reports are to be submitted in quadruplicate prior to the 15th day of the month following the reporting period.

Narrative.—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered is to be furnished.

Maps.—Wherever possible, the narrative is to be illustrated with maps or sketches showing formations penetrated and location and assays of samples taken as well as advances in workings. In the case of diamond drilling or churn drilling, the location and inclination of holes is to be shown on a map; logs and assays also are to be submitted.

Cost Accounts.—All applicable parts of this form are to be filled in. This report will form the basis for payments of the Government's participating share of expenses. Audits of accounts may be made from time to time.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUN 20 1952

CERTIFICATION

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

[illegible]
(Name of Company)

By Robert N. Ruby
(Signature of Authorized Official)
[illegible]
Project Manager
(Title)

[illegible] 7, 1952
(Date)

NOTE.—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.

16—64068-3

MONTHLY SUMMARY COST STATEMENT

List as Shown on Exhibits Attached to Contract

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
1. Fixtures and Improvements:					Mar.	Total
(a) Facilities						
[illegible]	—	[illegible]	[illegible]	307.42	1017.46	1,324.88
labor 307.42						
[illegible] labor 308.47 equip. 289.00 sup. 5.29	[illegible]	[illegible]	[illegible]	90.81 X	2415.19	2506.00
(b) Buildings						
[illegible]	[illegible]	[illegible]	[illegible]	129.83 X	1030.58	1160.41
[illegible] 389.90 supplies 9.90						
(c) Fixtures						
[illegible]	[illegible]	1,063.52	1,[illegible]	102.89		
2. Operating Equipment:						
(a) Purchased[1]		1,[illegible]	2,[illegible]	1006.41		
[illegible] X	[illegible]					
[illegible] X	[illegible]					
[illegible] X	[illegible]					
[illegible] X	[illegible]					
(b) Rented[2]		1,[illegible]	2,[illegible]	1246.05		
[illegible] X	[illegible]					
[illegible] X	7.03					
[illegible] X	[illegible]					
(c) Furnished by operator				60.00		
[illegible] X	[illegible]	[illegible]	[illegible]			
[illegible] X	[illegible]	[illegible]	[illegible]			
3. Rehabilitation and Repairs:						
(a) Facilities						
[illegible]	—	[illegible]	[illegible]	17.71	3,205.87	3,223.58
supplies 17.71						
(b) Buildings						
[illegible]	—	[illegible]	[illegible]			
(c) Installations						
[illegible]	[illegible]	[illegible]	[illegible]			

16—64068-3

MONTHLY SUMMARY COST STATEMENT—Continued

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(d) Fixtures						
4. Labor[3] diff 1690.37 − 307.42	[illegible]	[illegible]	[illegible]	1663.05		
5. Supervision	[illegible]	[illegible]	[illegible]	600.00		
6. Supplies						
(a) Timber	[illegible]	[illegible]	[illegible]			
(b) Explosives	[illegible]	[illegible]	[illegible]	146.10		
(c) Repair Parts				10.66		
63.59 (d) Other	[illegible]	[illegible]	[illegible]	403.65		
32.90 7. Power	[illegible]	[illegible]	[illegible]	735.67		
96.49 8. Transportation						
17.19 9. Insurance						
78.78 (a) Fire						
(b) Public Liability						
(c) Workmen's Compensation						
[illegible]	[illegible]	[illegible]	[illegible]	170.66		
10. Contract Work	—	[illegible]	[illegible]			
11. Other (specify)						
[illegible]						
[illegible]	[illegible]	[illegible]	[illegible]	147.10		
Total	[illegible]	[illegible]	[illegible]			
Deletions						
Adjusted totals						
Totals previously reported				OK	13,728.63	
Totals to date				6838.01	12,933.62	19,771.63

795.09

[1] Enter amount paid during month toward total purchase price.
[2] Payments for rental of equipment or prorated depreciation on equipment owned by contractor.
[3] Submit copy of the Social Security form filed under the Old Age Insurance system showing complete wage and salary data or furnish copy of payroll sheet giving same data.

NOTE.—Indicate that portion of supervisory, office, and engineering salaries that is chargeable to this project.

FOR GOVERNMENT USE ONLY

Checked by W. H. Lee
Entered by
Approved by Eric D. Erickson
Amount approved for payment $5128.51
Remarks

16—64068-3

4. Labor
1842.09 − x cut
307.42 − Camp work
308.47 − Tram
389.90 − Compressor house
170.66
147.10
6.00 − surveying
3171.64
414.96 cook
3586.60

2669.94
600.00
170.66
147.10
total 3586.60

x − 2312.46 equip.
259.00
2571.46

0 − 1510.65 supplies

total deleted
698.37 labor
78.78 oper. misc.
+ 173.48
950.63
− 119.93
830.70 total.

Pays test but knocks off labor.

EXPLORATION UNIT COST AND PROGRESS REPORT FOR MONTH OF [illegible]

(Supply Data Below Applicable Only to Your Operations)

2305.41 = all listed under 2 except $7.05 on truck depreciation

Item	Costs: Wages [1] and salaries	Costs: Equipment [2]	Costs: Supplies	Costs: Other [3]	Costs: Total	Progress [4]: Unit	Progress: Units this month	Progress: Units previously reported	Progress: Units to date	Progress: Units authorized by contract (Exhibit A)
Drifting		[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
Crosscutting	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
Raising		[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
Shafts	[illegible]	—	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Winzes	—	—	[illegible]		[illegible]	[illegible]	—	[illegible]	[illegible] No.	—
Drill holes										
Overburden Winterize Cabins	—	—	—							
Rehabilitation and preparation										
Geology and geophysics	[illegible]	—	—		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Trenching	—	[illegible]	→		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Sampling and assaying										
Roads and trails	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible] No	[illegible]
Test pits	[illegible]	—	—		[illegible]	—	—	—		
Other (specify)	[illegible]	—	—		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]				[illegible]					
Totals	[illegible]	[illegible]	[illegible]		[illegible]					

[1] Prorate supervisory, engineering, and office salaries in proportion to man-shifts of direct labor.
[2] Prorate charges for equipment that is not exclusively for one type of job (such as compressors) against authorized units of work in each category.
[3] Where entries in the "Other" column (above) are more than 25 percent of the total expenditures, a breakdown of this item should be made.
[4] Specify whether feet, cubic feet, acres, miles, etc.

16—64068-3 U. S. GOVERNMENT PRINTING OFFICE

3586.60 83.80 -7.05 $76.75 not listed inside

2648.21 -2571.46 76.75 check transposed in columns

1510.65 1433.90 76.75

"ALBANENE" NO. 195M K&E CO.
REG. U.S. PAT. OFF.

AMERICAN ALLOY METALS
GLEN, MONT.

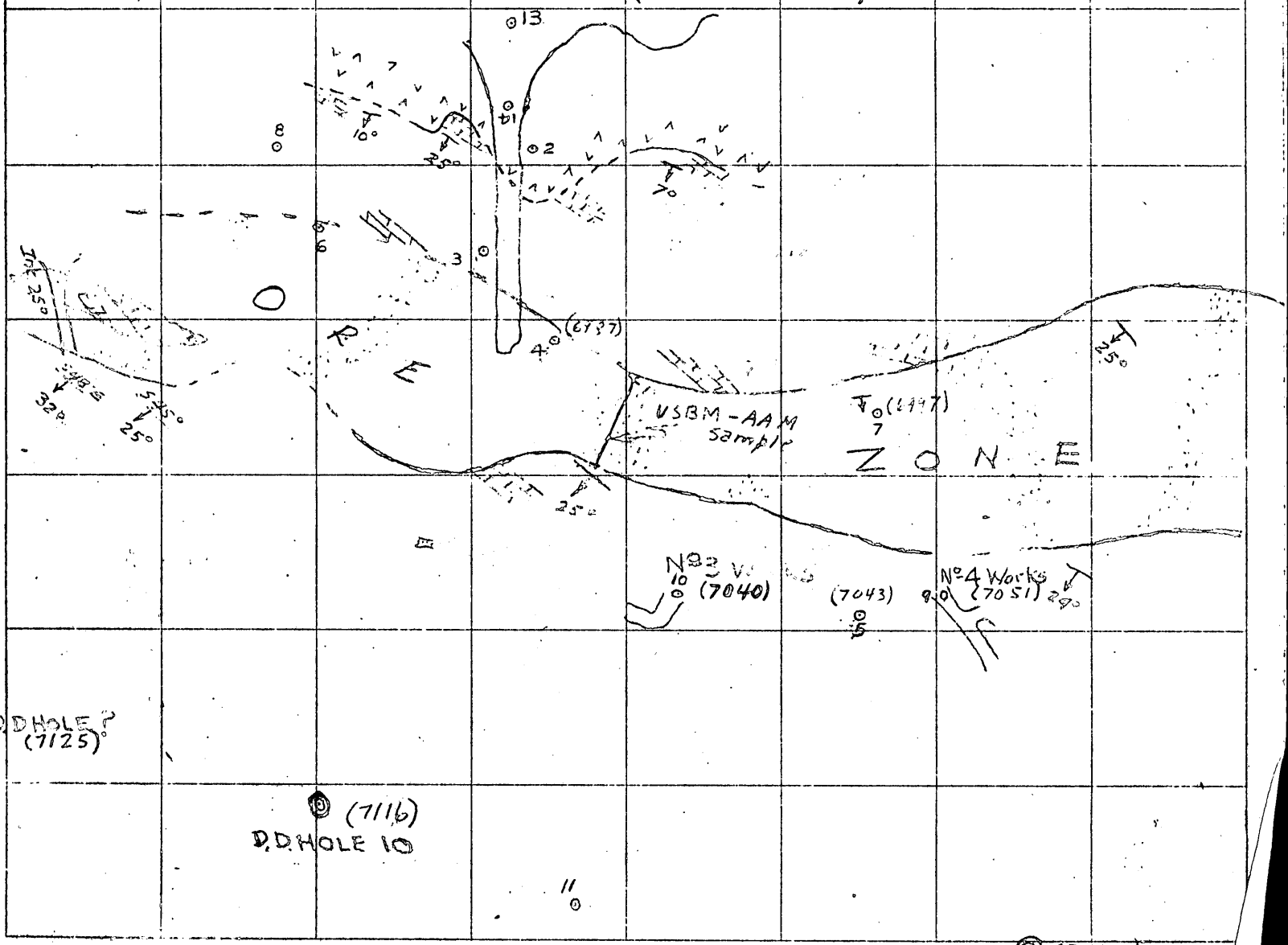
Granite

Limestone

Tactite Tungsten Ore

1 in. = 50 Ft.

GRANITE ADIT (Alt. 6900 Ft.)



NARRATIVE

Weather conditions improved materially about April 1. Most of the snow on the hill slope around the adit melted during the month. A snow slide came down between the compressor house and the tram track, bringing with it trees, logs, and old timber from an ore chute that was used by the "old timers." The only damage caused was that it so filled the already limited space at the road end that now it is no longer possible to turn the large truck around. It is necessary now to back the truck about 1,600 feet to a place wide enough to turn around.

Melting snow and ice caused the road to soften, which made access to the road end extremely difficult. The most difficult point on the road was just below Agnes Creek where considerable ice had accumulated during the winter. This place was impassable to the truck or pickup for a week or ten days. Small supplies were carried in. Before the breakup came, 600 gallons of Diesel fuel and several barrels of lubricants were taken up to the road end.

The Eimco rocker shovel arrived April 5. A heavy rainstorm, the first of the season, made it appear that the road would be too soft to haul the shovel, which weighs 3-1/4 tons, to the road end. However, freezing temperatures the following day made it possible to haul the shovel in the Autocar truck to the lower end of the tram.

The problem of pulling the shovel up the 250-foot track tram caused considerable concern for several days while the track was being braced and strengthened for the trip. Nine-hundred feet of used 5/8-inch cable was purchased to hoist the shovel.

The Autocar truck was placed at the lower end of the tram and a a dual wheel was placed on the front left wheel. This made a space between the two wheels in which to spindle the 5/8-inch cable. A moving block was placed on the shovel. The cable was not long enough to hoist the shovel in one hitch; it was necessary to take two hitches at it. The smaller 5/16-inch cable on the small air hoist that is mounted at the top of the tram was also used on the pull. The most critical point was at the upper 25 feet of the tram, which is inclined upward at 50 degrees. No difficulties were encountered; the shovel went up without mishap, much to the relief of all concerned!

Another problem in getting the adit enlargement started was the blasting of a track-way from the tram head to the adit portal. This work had to be done with extreme care to keep from damaging the compressor and equipment below. The extreme care required made the work go very slowly.

Waste disposal also has been a problem. It was necessary to trestle from a point about ten feet from the old portal to a point of rocks, a distance of about 60 feet. A shelf for the track will be blasted along the cliffs an additional 50 or 60 feet to be sure that rocks will not roll on the equipment below.

The actual enlargement of the adit was accomplished in a little over a week. Eight-foot rounds were drilled.

An inclusion of limestone about 12 feet long and 3 feet wide was encountered in the back of the enlarged adit about 50 feet from the old portal. The adit face was in solid granite.

R. N. Raby

R. N. Raby
Project Manager

M. E. Volin, Member, DMEA Field Team, Region II. April 25, 1952

E. G. Erickson, Mining Engineer, Mining Division, Region II.

Routine Inspection, Contract Idm E247, Docket No. 2292X, (tungsten) American Alloy Metals, Beaverhead County, Mont.

The project was inspected March 19, 1952 with Mr. Roby, the company's resident supervisor. Winterizing of cabins was virtually completed. Immediate repairs to access road had been made, and compressor house completed. Construction of incline track tramway authorized by an ammendment to the contract was nearing completion.

Following completion of the tramway the adit site will be prepared and underground operations will start.

Moderate winter weather prevails at the project site. The work is progressing well in spite of winter conditions and rugged terrain.

E. G. Erickson

Orig to: files
cc: USGS
2 Washington ✓
EGC

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

So. 157 Howard Street
Spokane 4, Washington

April 29, 1952

2292
E247

MEMORANDUM

To: Field Team, Region II

From: Elton A. Youngberg, Geologist, U. S. Geological Survey

Subject: Inspection of American Alloys Metals Inc., Browns Lake Beaverhead County, Montana, DMEA-2292

The Browns Lake Tungsten deposit was visited April 23, 1952.

Work in progress at the time of the visit consisted of enlarging the adit level preparatory to drifting. Approximately 30 feet has been enlarged to date. Mr. Robie was starting a transit survey of old workings and outcrops. No new geological information was available or could be seen.

Elton A. Youngberg

cc: USBM
DMEA ✓

MF-10
(August 1951)

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Contract No. Idm-E 247

Name of Operator American Alloy Metals, Inc., Elm, Montana
Docket No. DMA 2292
Total Contract Amount $ 55,500.00
Government Participation: 75 % Amount, $ 42,433.00
Distribution of Expenditures for Month of March, 1952

STRATEGIC AND CRITICAL MINERAL EXPLORATION PROGRAM
OPERATOR'S MONTHLY PROGRESS REPORT

Operators are to submit monthly reports to the designated field representative of the Defense Minerals Administration. Reports are to be submitted in quadruplicate prior to the 15th day of the month following the reporting period.

Narrative.—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered is to be furnished.

Maps.—Wherever possible, the narrative is to be illustrated with maps or sketches showing formations penetrated and location and assays of samples taken as well as advances in workings. In the case of diamond drilling or churn drilling, the location and inclination of holes is to be shown on a map; logs and assays also are to be submitted.

Cost Accounts.—All applicable parts of this form are to be filled in. This report will form the basis for payments of the Government's participating share of expenses. Audits of accounts may be made from time to time.

APR 2 1952

CERTIFICATION

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

American Alloy Metals, Inc.
(Name of Company)

By Frank Schellberger V. P.
(Signature of Authorized Official)

April 5, 1952
(Date)

~~Robert H. Daly~~
~~Project Manager~~
(Title)

NOTE.—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.

16—64068-3

MONTHLY SUMMARY COST STATEMENT

List as Shown on Exhibits Attached to Contract

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
1. Fixtures and Improvements:				Feb	Total	
(a) Facilities						
Camp Water System	12.00	273.65	285.65	869.53	1017.46	872.47
147.93 labor 135.93 supplies 12.00						
Drain	674.53		674.53	270.27	2415.19	2109.19
2144.92 labor 995.16 equip 337.00 supplies 912.76	diff 238.23					
(b) Buildings						
Commissary House	107.50	237.42	344.92	476.66	1030.58	870.17
553.92 labor 446.42 supplies 107.50						
(c) Fixtures						
Fire Bell and Pipe	—	1,063.52	1,063.52			523.58
2. Operating Equipment:						
(a) Purchased[1]						
1/2 Rock Drill X	231.33				2/3 Rock drill	
Mine Car X	450.00	906.72	1,706.15		400.00 Mine car	
Air Receiver X	158.40				Air receiver	1787.60
					Chain saw	
					stove	
(b) Rented[2]						
Rock Drill Sharpener X	52.00	52.00				
365 cfm Compressor X	414.00	414.00				414.00
105 cfm Compressor	—	414.00	1,077.00			
(c) Furnished by operator						
Pickup Truck X	30.00	30.00	60.00			
Autocar Truck X	30.00	30.00	60.00			12.00
3. Rehabilitation and Repairs:						
(a) Facilities						
Access Road	—	47.23	47.23	2011.27	3205.87	2949.18
1194.60 labor 377.01 equipment 289.90 supplies 255.69 dozer 272.00	diff 255.69					
(b) Buildings						
Historian Cabins	—	159.55	159.55	606.53	606.53	400.00
(c) Installations						
Compressor Repairs	17.46	1.50	11.96			17.46

MONTHLY SUMMARY COST STATEMENT—Continued

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(d) Fixtures						
4. Labor[3]	1,639.62	1,331.62	3,000.24			264.10
5. Supervision	600.00	600.00	1,200.00			1200.00
6. Supplies						
(a) Timber						
(b) Explosives	—	183.20	183.20			183.20
(c) Repair Parts						
(d) Other	60.75	976.98	1,036.73	493.92		
7. Power	531.40	507.42	1,038.82	697.23		955.64
8. Transportation						
9. Insurance						
(a) Fire						
(b) Public Liability						
(c) Workmen's Compensation						
2,060.17	114.82	70.13	184.95			185.95
10. Contract Work	272.00	864.00	1,136.00			
11. Other (specify)						
Payroll Taxes						
Unemp. Comp. 2.31						
Soc. Sec. 3.51						
Fed. Unem. Ins. 1.57						
2,240.62 1.57	39.31	39.17	110.01			189.01
Total	6,125.55	7,603.03	13,728.63			
Deletions						
Adjusted totals						
Totals previously reported						
Totals to date						12,933.62

[1] Enter amount paid during month toward total purchase price.
[2] Payments for rental of equipment or prorated depreciation on equipment owned by contractor.
[3] Submit copy of the Social Security form filed under the Old Age Insurance system showing complete wage and salary data or furnish copy of payroll sheet giving same data.

12,933.62

NOTE.—Indicate that portion of supervisory, office, and engineering salaries that is chargeable to this project.

FOR GOVERNMENT USE ONLY

Checked by
Entered by
Approved by Eric D. Erickson
Amount approved for payment
Remarks

deducted 795.01 in March.

deducted 122.04 in month.

16—64068-3

X-1416.63 equipment
0-2002.68 supplies

EXPLORATION UNIT COST AND PROGRESS REPORT FOR MONTH OF March, 1952

(Supply Data Below Applicable Only to Your Operations)

Item	Costs: Wages [1] and salaries	Costs: Equipment [2]	Costs: Supplies	Costs: Other [3]	Costs: Total	Progress [4]: Unit	Progress: Units this month	Progress: Units previously reported	Progress: Units to date	Progress: Units authorized by contract (Exhibit A)
Drifting		296.50	237.23		534.01	foot	none	none		
Crosscutting		296.50	237.23		534.01	foot	none	none		
Raising		296.50	237.23		534.01	foot	none	none		
~~Shafts~~ Compressor House	446.42		107.50		553.92	per cent	80	10	90	
~~Winzes~~ Access Road	377.01	209.00	255.69	272.00	1,194.60	do	90	100	100	
Drill holes										
~~Overburden~~ Interior Cabins	—					—	—	75		
Rehabilitation and preparation										
Camp Water System ~~Geology and geophysics~~	135.93		12.00		147.93	per cent	10	00	90	
~~Trenching~~ House Furnish	—									
Sampling and assaying										
~~Roads and trails~~ Pump	935.16	237.00	972.76		2,144.92	per cent	95	none	95	
Test pits										
Other (specify) Clerk	264.10				264.10	1,632.00	264.10			
Payroll Taxes	215.66				215.66	—	—			
Totals	2,434.23	1,416.64	2,032.64	272.00	6,155.56					

[1] Prorate supervisory, engineering, and office salaries in proportion to man-shifts of direct labor.
[2] Prorate charges for equipment that is not exclusively for one type of job (such as compressors) against authorized units of work in each category.
[3] Where entries in the "Other" column (above) are more than 25 percent of the total expenditures, a breakdown of this item should be made.
[4] Specify whether feet, cubic feet, acres, miles, etc.

should be $215.66

16—64068-3 U. S. GOVERNMENT PRINTING OFFICE

NARRATIVE

Docket No. DMEA 2292
Idm-E 247
AMERICAN ALLOY METALS, INC.
Glen, Montana

April 5, 1952

The past period has been spent chiefly on constructing the tram from the end of the road to the adit level and in building a compressor house. The compressor house is finished, except for applying the roofing paper, which will be put on when outside temperature is higher.

The tram is essentially completed to the adit level. A track way is being excavated between the adit portal and the top of the tram.

Preparations are being made to start enlarging the adit early in April.

The weather has been bad during the month. It has snowed almost every day. The snow depth around the adit is 10 to 12 inches. Freezing temperatures still prevail at night.

Robert N. Roby
Project Manager

M. E. Volin, Member, DMEA Field Team, Reg. II March 4, 1952

E. G. Erickson, mining engineer, Bureau of Mines

Inspection of Contract Idm-E247 (tungsten), American Alloy Metals, Inc., Beaverhead County, Mont.

Mr. Roby was contacted at Brown's Lake on February 14, 1952. Initial work under the contract was in progress, namely, winterizing cabins, access road repairs, and general preliminary organization.

Changes in contract were discussed and an amendment was later prepared to allow justified proposals.

It is anticipated that progress will be hampered by winter weather, and it will be difficult to have as efficient an operation as might be expected under normal conditions.

E. G. Erickson

Orig. to files
cc: USGS (with 2 cys for Wash.)
EGE

-104
(August 1951)

Budget Bureau No. 42-R1036.2.
Approval Expires 6-30-52.

Docket No. DMA 2292

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Contract No. 247
Idm-E

DMA 2292

Name of Operator American Alloy Metals, Inc., Glen, Montana
Docket No. DMA 2292
Total Contract Amount $ 26,524.00
Government Participation: 75 % Amount $ 12,630.00
Distribution of Expenditures for Month of February, 1952

These can be checked back with work.
EHL
11/14/52

STRATEGIC AND CRITICAL MINERAL EXPLORATION PROGRAM
OPERATOR'S MONTHLY PROGRESS REPORT

Operators are to submit monthly reports to the designated field representative of the Defense Minerals Administration. Reports are to be submitted in quadruplicate prior to the 15th day of the month following the reporting period.

Narrative.—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered is to be furnished.

Maps.—Wherever possible, the narrative is to be illustrated with maps or sketches showing formations penetrated and location and assays of samples taken as well as advances in workings. In the case of diamond drilling or churn drilling, the location and inclination of holes is to be shown on a map; logs and assays also are to be submitted.

Cost Accounts.—All applicable parts of this form are to be filled in. This report will form the basis for payments of the Government's participating share of expenses. Audits of accounts may be made from time to time.

MAR 3 - 1952

CERTIFICATION

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

American Alloy Metals, Inc.
(Name of Company)

By Robert M. Roby
Robert M. Roby (Signature of Authorized Official)

March 3, 1952
(Date)

Project Manager
(Title)

NOTE.—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.

16—64068-3

MONTHLY SUMMARY COST STATEMENT

List as Shown on Exhibits Attached to Contract

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
1. Fixtures and Improvements:						
(a) Facilities						
Camp Water System	273.65	None	273.65	766.54		
839.53 labor 519.57 / equipment 12.00 / supplies 337.96	diff 64.31					
Town Way				270.27		
(b) Buildings						
Compressor House	287.49	None	287.49	454.25		
470.65 labor 113.91 / Supplies 351.65 / Equipment 12.00	diff 64.16					
(c) Fixtures				523.58		
Mine Rail and Pipe	1,063.52	None	1,063.52	~~[illegible]~~	this checked against wages & prorated work	
rail?						
pipe?						
2. Operating Equipment:						
(a) Purchased[1]	906.72	None	906.72	947.94	[illegible]	261.22
wheel?					[illegible]	383.50
House frame 295.11	equip 12.00				570.08	283.11
mud 611.61						
(b) Rented[2]						
105 cfm Compressor	164.00	None	164.00			
Rock Drill & Equipment	52.90	None	52.90			
365 cfm Compressor	414.00	None	414.00	414.00		
(c) Furnished by operator						
Pickup Truck	30.00	None	30.00			
Autocar Truck	30.00	None	30.00	12.00		
3. Rehabilitation and Repairs:						
(a) Facilities						
Access Road labor 719.82	47.23	None	47.23	1869.56		
2011.27 equipment 888.90 / supplies 198.55 / dozer 864.00	diff 159.32					
(b) Buildings						
Winterize Cabins	159.55	None	159.55	400.00		
606.53 labor 370.82 / Equipment 12.00 / supplies 223.71	diff 64.16					
(c) Installations						
105 cfm Compressor Repairs	1.50	None	1.50			

16—64068-3

MONTHLY SUMMARY COST STATEMENT—Continued

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(d) Fixtures						
4. Labor[3]	1,381.62	None	1,381.62			
5. Supervision	600.00	None	600.00	600.00		
6. Supplies						
(a) Timber						
(b) Explosives	183.20	None	183.20			183.20
(c) Repair Parts						
(d) Other Operating	476.98	None	476.98	343.93	approved for	330.45
7. ~~Power~~ Miscellaneous	507.42	None	507.42	130.06	mine	
8. Transportation				290.27	trans	
9. Insurance				240.12	hose.	
(a) Fire						
(b) Public Liability						
(c) Workmen's Compensation	70.13	None	70.13			70.13
10. Contract Work	864.00	None	864.00			
11. Other (specify)						
~~Payroll Taxes~~						
~~Montana Unemp. 2.7%~~						
~~Fed. Excise 0.3%~~						
~~Fed. Soc. Sec. 1.5%~~						
~~$1,981.62 4.5%~~	89.17	None	89.17			89.17
Total	7,603.08		7,603.08			
Deletions						6,930.11
Adjusted totals			6,930.11			
Totals previously reported						
Totals to date			672.97 deducted		for Lat.	

[1] Enter amount paid during month toward total purchase price.
[2] Payments for rental of equipment or prorated depreciation on equipment owned by contractor.
[3] Submit copy of the Social Security form filed under the Old Age Insurance system showing complete wage and salary data or furnish copy of payroll sheet giving same data.

NOTE.—Indicate that portion of supervisory, office, and engineering salaries that is chargeable to this project.

FOR GOVERNMENT USE ONLY

Checked by
Entered by
Approved by Eric G. Erickson
Amount approved for payment
Remarks

16—64068-3

o = $3,000.54 supplies.
x = 1597.62 equipment

EXPLORATION UNIT COST AND PROGRESS REPORT FOR MONTH OF February, 1952

(Supply Data Below Applicable Only to Your Operations)

1090.93 797.11 1037.61 1378.22

Item	Costs					Progress [4]				
	Wages [1] and salaries	Equipment [2]	Supplies	Other [3]	Total	Unit	Units this month	Units previously reported	Units to date	Units authorized by contract (Exhibit A)
Drifting		207.87	141.70		349.57	Foot	None			
Crosscutting		621.88	1,088.86		1,710.74	Foot	None			1887.94
Raising		207.86	147.72		355.58	Foot	None			
~~Shafts~~ Compressor House	113.01	12.00	351.65		476.66	Percent	10%			454.25
~~Winzes~~ Access Road	719.82	228.90	198.55	864.00	2,011.27	do	90%	400.00	2,411.27	1868.58
Drill holes										
~~Overburden~~ Winterize Cabins	370.82	12.00	223.71		606.53	do	75%			400.00
Rehabilitation and preparation										
Camp Water System ~~Geology and geophysics~~	519.57	12.00	337.96		869.53	do	80%	1200.00		766.54
~~Trenching~~ House Furn.		295.11	240.12		535.23	do	90%			523.23
Sampling and assaying										
~~Roads and trails~~ Tram		--	270.27		270.27	do	None			270.27
Test pits										600.00
Other (specify) Cook	258.40				258.40	1,482.00	258.40			
Payroll Taxes	159.30				159.30					159.30
Totals	2,140.92	1,597.62	3,000.54	864.00	7,603.08					6930.11

[1] Prorate supervisory, engineering, and office salaries in proportion to man-shifts of direct labor.
[2] Prorate charges for equipment that is not exclusively for one type of job (such as compressors) against authorized units of work in each category.
[3] Where entries in the "Other" column (above) are more than 25 percent of the total expenditures, a breakdown of this item should be made.
[4] Specify whether feet, cubic feet, acres, miles, etc.

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AMERICAN ALLOY METALS, INC., GLEN, MONTANA
DOCKET NO. DMEA 2292
Idm-2 247
February, 1952

NARRATIVE

Rehabilitation and preparatory work was started January 29, 1952. This work included the lining with insulating board, cabins to be used as living quarters at the mine camp at Browns Lake, and the improving of the access road from the camp to the mine. The road was improved, only to the extent that it can be used by a four-wheel drive truck. The extreme winter weather makes it prohibitive to do much road work.

It was found to be impracticable to build a connecting section of road from the existing end to the adit portal because of the large amount of rock work involved. Instead, a surface incline track is proposed, which will extend from the road end up the 40-degree mountain slope into the elevation of the adit. The incline track tram will be about 250 feet long.

A cook house water system was started. It is proposed to extend a water line 200 feet out into the lake to provide uncontaminated water. Pipe and supply tank have been purchased, but the pipe has not been installed because of the extreme cold weather and the probable difficulty of frozen pipes. The system will be completed as soon as the weather moderates.

The temperature has averaged about zero every morning since the project started. This has caused considerable difficulty in starting engines and has resulted in much lost time.

A compressor house is being constructed at the end of the road. This will improve working conditions and will make it possible to keep the compressor warmer and, consequently, easier to start.

Work in the adit is expected to start about March 15.

R N Roby

R. N. Roby
Project Manager