DMEA Form 7
(12-56)

OFFICIAL FILE CO

Date	Surname	Code

March 17, 1958

Memorandum

To: Wingfield Chamberlain, Statistics Branch
Division of Operation Contract and Statistics

From: Director, Division of Base Metals

Subject: Report on Semi-Annual Reports of Certified Projects for the Period July 1, 1957 thru December 31, 1957.

The following projects were inactive during the cited period.

Docket No.	Contract No.	Name
DMEA-115	Idm-E6	Lupton Mining Company
DMEA-1050	Idm-E35	Utse Lode Company
DMEA-2280	Idm-E448	Utse Lode Company
DMEA-2383	Idm-E337	Verne Byrne
DMEA-2517	Idm-E413	Defender Mining Company
DMEA-3826	Idm-E883	Western Development Company of Delaware

W. R. Griswold

DEFENSE MINERALS EXPLORATION ADMINISTRATION

For the period January 1 - June 30, 1957

Base Metals Division Date February 13, 1958

Semi-Annual Report - Certified Project Date

DMEA No. 2517 Operator Defender Mining Company Contract No. Idm-E413

Ore Reserves

Ore Estimates	Tons	Analysis
Original (DMEA)	600	Pb. 9.0; Zn. 5.5
Increase (Operator)		
Total		
Decrease (Production)	400	
Net Available	200	

Investment

Shafts			Winzes			Drifts & Crosscuts		
Size	Feet	Cost	Size	Feet	Cost	Size	Feet	Cost

Raises			Drilling			Rehabilitation	
Size	Feet	Cost	Type & Size	Feet	Cost	Description	Cost

Facilities

Mine Plant		Mill		Roads	
Description	Cost	Description	Cost	Description	Cost

Remarks

W. R. Griswold

100338

DEFENSE MINERALS EXPLORATION ADMINISTRATION

Period January 1 - July 1, 1956

Base Metals Division **WRG** Date **October 8, 1956**

Semi-Annual Report - Certified Project Date **July 9, 1956**

DMEA No. **2517** Operator **Defender Mining Company** Contract No. Idm-E 413

Ore Reserves

Ore Estimates	Tons	Analysis
Original (DMEA)	500	
Increase (Operator)	**New estimate 1,000**	**6%Pb, 4% Zn, 1.0oz. Ag.**
Total		
Decrease (Production)	**400 tons total to date**	
Net Available		

Investment

Shafts			Winzes			Drifts & Crosscuts		
Size	Feet	Cost	Size	Feet	Cost	Size	Feet	Cost

Raises			Drilling			Rehabilitation	
Size	Feet	Cost	Type & Size	Feet	Cost	Description	Cost

Facilities

Mine Plant		Mill		Roads	
Description	Cost	Description	Cost	Description	Cost

Remarks

Mine being kept unwatered. It is reported a 100 ton mill will be built - for no obvious reason.

W. R. Griswold/er

100338

DEFENSE MINERALS EXPLORATION ADMINISTRATION

To JANUARY 1, 1956

Base Metals MRG Division Date **June 8, 1956**

Semi-Annual Report - Certified Project Date **May 7 and 16, 1956**

DMEA No. **-2517** Operator **Defender Mining Company** Contract No. Idm-E**413**

Ore Reserves

Ore Estimates	Tons	Analysis
Original (DMEA)		
Increase (Operator)	**500 (estimated)**	**Not given**
Total		
Decrease (Production)	**17 tons concentrate, probably equivalent to**	
Net Available	**200 tons of ore**	

Investment

Shafts

Size	Feet	Cost

Winzes

Size	Feet	Cost
5x9	**35**	**$3,150.00**

Drifts & Crosscuts

Size	Feet	Cost
5x7	**200**	**$7,000.00**

Raises

Size	Feet	Cost

Drilling

Type & Size	Feet	Cost

Rehabilitation

Description	Cost

Facilities

Mine Plant

Description	Cost

Mill

Description	Cost

Roads

Description	Cost

Remarks

It is reported that a hundred ton mill will be installed by June 15, 1956. Actually there seems little reason for such mill, in view of the small ore reserve.

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

October 29, 1962

Re: DMEA-2517 (Lead-Zinc)
Defender Mining Company
Blue Eagle Claim
Custer County, Colorado
Contract Idm-E413

Mr. Roy O. Pratt
Defender Mining Company
P. O. Box 699
Enid, Oklahoma

Dear Mr. Pratt:

After the completion of the approved exploration work under the contract identified above, we asked to be informed about changes in the status of the property and production from it during the period of royalty obligation.

To assist you to furnish this information and to assure the accuracy of our records, please answer the questions on the back of this letter and return two copies to this office with copies of any pertinent documents.

Sincerely yours,

W. R. Griswold

W. R. Griswold, Chief
Division of Minerals

Re: DMEA-2517

Docket was "closed" by letter dated 11/9/62.

Talbert 11/13/62

OFFICIAL FILE COPY
O. M. E
RECEIVED NOV 13 1962

DATE	INITIALS	CODE
11/13	[illegible]	800
11-15	[illegible]	100
"	[illegible]	140
	[illegible]	500
		220

MME Form 63
Revised 3-62

DMEA-2517
Idm-E413

REQUEST FOR INFORMATION ON CERTIFIED PROJECT AND PROJECT UNDER ROYALTY AGREEMENT

1. Since January 23, 1960, has there been a change in ownership, lease, or sublease? If yes, please state details of the transaction below and provide a true or signed copy of the pertinent documents, unless they have been provided before. Yes ☐ No ☑

2. Since January 23, 1960, has there been any production from the land subject to the contract? Yes ☐ No ☑

   A. If so and it was shipped, give quantity, value, and name and address of purchaser.

	Quantity	Value

   B. If stockpiled awaiting sale, state quantity, grade, and location.

Type	Quantity	Estimated Grade	Location
Ore	Tons		
Concentrates	Tons		
Other	Tons		

3. Since , has any production been transported through workings (see of contract)? Yes ☐ No ☑

   A. If so, state quantity, value, and disposition of material.

Disposition of Material	Quantity	Value

Submitted by:

Name Defender Mining Co. Title Roy [illegible]

Address Box 669 - Enid, Okla. Date 11-9-61

4511

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

October 5, 1962

Re: DMRA-2517 (Lead-Zinc)
Defender Mining Company
Blue Eagle Claim
Custer County, Colorado
Contract Idm-E413

REGISTERED MAIL
RETURN RECEIPT REQUESTED

Defender Mining Company
c/o Mr. E. F. Stacy
Silver Cliff, Colorado

Gentlemen:

After the completion of the approved exploration work under the contract identified above, we asked to be informed about changes in the status of the property and production from it during the period of royalty obligation.

To assist you to furnish this information and to assure the accuracy of our records, please answer the questions on the back of this letter and return two copies to this office with copies of any pertinent documents.

We wrote you on August 24 but have had no reply. We would appreciate hearing from you so that we may remove the Government lien against production from this property.

Sincerely yours,

/s/

W. R. Griswold, Chief
Division of Minerals

MME Form 63
Revised 3-62

DMEA-2517
IC-E413

REQUEST FOR INFORMATION ON CERTIFIED PROJECT AND PROJECT UNDER ROYALTY AGREEMENT

1. Since January 23, 1960, has there been a change in ownership, lease, or sublease? If yes, please state details of the transaction below and provide a true or signed copy of the pertinent documents, unless they have been provided before. Yes ☐ No ☐

2. Since January 23, 1960, has there been any production from the land subject to the contract? Yes ☐ No ☐

   A. If so and it was shipped, give quantity, value, and name and address of purchaser.

	Quantity	Value
_____		
_____	_____	_____

   B. If stockpiled awaiting sale, state quantity, grade, and location.

Type	Quantity		Estimated Grade	Location
Ore	_____	Tons	_____	_____
Concentrates	_____	Tons	_____	_____
Other	_____	Tons	_____	_____

3. Since , has any production been transported through workings (see of contract)? Yes ☐ No ☐

   A. If so, state quantity, value, and disposition of material.

Disposition of Material	Quantity	Value
_____	_____	_____

Submitted by:

Name _____ Title _____

Address _____ Date _____

4511

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

August 24, 1962

Re: MMA-2517 (Lead-Zinc)
Defender Mining Company
Blue Eagle Claim
Custer County, Colorado
Contract Idm-3415

Defender Mining Company
c/o Mr. E. F. Stacy
Silver Cliff, Colorado

E. F. Stacy,

Gentlemen:

After the completion of the approved exploration work under the contract identified above, we asked to be informed about changes in the status of the property and production from it during the period of royalty obligation.

To assist you to furnish this information and to assure the accuracy of our records, please answer the questions on the back of this letter and return two copies to this office with copies of any pertinent documents.

Sincerely yours,

W. R. Griswold

W. R. Griswold, Chief
Division of Minerals

MME Form 63
Revised 3-62

[illegible]-2517
Ida-[illegible]

REQUEST FOR INFORMATION ON CERTIFIED PROJECT AND PROJECT UNDER ROYALTY AGREEMENT

1. Since January 23, 1960, has there been a change in ownership, lease, or sublease? If yes, please state details of the transaction below and provide a true or signed copy of the pertinent documents, unless they have been provided before. Yes ☐ No ☐

2. Since January 23, 1960, has there been any production from the land subject to the contract? Yes ☐ No ☐

   A. If so and it was shipped, give quantity, value, and name and address of purchaser.

	Quantity	Value
_____	_____	_____

   B. If stockpiled awaiting sale, state quantity, grade, and location.

Type	Quantity	Estimated Grade	Location
Ore	_____ Tons	_____	_____
Concentrates	_____ Tons	_____	_____
Other	_____ Tons	_____	_____

3. Since , has any production been transported through workings (see of contract)? Yes ☐ No ☐

   A. If so, state quantity, value, and disposition of material.

Disposition of Material	Quantity	Value
_____	_____	_____

Submitted by:

Name _____ Title _____

Address _____ Date _____

4511

OFFICIAL FILE COPY O. M. E. RECEIVED JAN 25 1960		
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1-26	[illegible]	800
"	[illegible]	500
		225

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION
Building 20 - Federal Center
Denver 25, Colorado

January 22, 1960

Defender Mining Company
c/o E. L. Stacy
Silver Cliff, Colorado

Re: Docket No. DMEA 2517 (Lead-Zinc)
Contract No. IAm-E413
(Blue Eagle Claim)
Custer County, Colorado

Dear Mr. Stacy:

In reference to the "Certification by the United States of America of a Discovery or Development under an exploration Project Contract" and the instructions in the Washington Office letter of transmittal of the Certification on the captioned project, please indicate your answer to the following questions and return one copy of the questionnaire immediately to this office.

Very truly yours,

Original signed by

J. W. Townsend
Executive Officer, OME
Field Team, Region III

1. Has the property been sub-leased or any change made in ownership other than this office has been notified? Yes ___ No___. If yes, please furnish details of the transaction on a separate sheet and include a true or signed copy of any instrument that was executed in conjunction with the matter.

2. Has there been production from the land subordinated under the referenced contract since January 1, 1959? Yes___ No___. If yes, and shipments made, who was the purchaser?_____

3. Is any of the following material stockpiled? Yes___ No___.

(a) Ore, Tons_____ Estimated grade_____
(b) Concentrates, lbs._____ Estimated grade_____
(c) Low grade ore, tons_____ Estimated grade_____
Place stockpiled_____

Signed_____

Title_____ Date_____

HMC:ltm cc: Chmn. Op. Comm. Roy. Corres. E413 Chron.

OME, REGION III

Statement in Lieu of Semiannual Report

Reporting Period January 1, 1959 to January 23, 1960
Docket and Contract Number DMEA 2517, Idm-E413 (Lead-Zinc)
Operator Defender Mining Company, (Blue Eagle claim)
Custer County, Colorado

The project has been inactive during the reporting period [x]

Pertinent data relative to the subject contract has remained unchanged since the last report [x]

Remarks:

E. F. Stacy, Superintendent reports no activity during the reporting period.

Signed H. M. Connors

H. M. Connors

Date February 12, 1960

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION
224 New Customhouse
Denver 2, Colorado

January 23, 1959

OFFICIAL FILE COPY
O. M. E.
RECEIVED JAN 26 1959

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1/26	C	220
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1-30	copies.	500

Memorandum

To: Chairman, Operating Committee, OME

From: Executive Officer, OME Field Team, Region III

Subject: Semiannual Report of Certified Project for the period July 1, 1958 through December 31, 1958
DMEA Docket No. 2517, Contract No. Idm-E413
Defender Mining Co. (A Partnership)
Custer County, Colorado

Enclosed are the original and three copies of the subject report prepared in conformance with instructions contained in memorandum of January 6, 1956 from this office, Memorandum 29, and Special Notice in Minutes of Operating Committee Meeting No. 692.

J. W. Townsend

Enclosures

J. W. Townsend

OFFICIAL FILE COPY
OME E.
DEPARTMENT OF THE INTERIOR
RECEIVED JAN 20 1959
DATE JAN 23 1959 CODE
REGION III
DENVER, COLORADO

OME, REGION III

Statement in Lieu of Semiannual Report

Reporting Period July 1, 1958 - December 31, 1958
Docket and Contract Number DMEA 2517, Contract Idm-E413
Operator Defender Mining Co. (A Partnership)
Custer County, Colo.

The project has been inactive during the reporting period [X]

Pertinent data relative to the subject contract has remained unchanged since the last report [X]

Remarks:

E. F. Stacy, partner, was interviewed in Silvercliff on Jan. 14, 1958. Water is pumped once every two weeks. All machinery is at the mine. No other work has been done.

Signed Carl Belser
Carl Belser

Date Jan. 22, 1959

UNITED STATES
DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration
224 New Customhouse
Denver 2, Colorado

March 4, 1958

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RECEIVED MAR 6 1958
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Memorandum

To: Chairman, Operating Committee, DMEA

From: Executive Officer, DMEA Field Team, Region III

Subject: Semiannual Report of Certified Project for the period July 1 - December 31, 1957

DMEA Docket 2517
Contract Idm-E 413
Defender Mining Company (Defender mine)
Silvercliff, Custer County, Colorado

Enclosed are the original and three copies of the subject report prepared in conformance with instructions contained in memorandum of January 6, 1956 from this office, Memorandum 29, and Special Notice in Minutes of Operating Committee Meeting No. 692.

W S King
Executive Officer, DMEA
Field Team, Region III

Enclosures

MHM:bh

cc: Semiannual Report File E -413
Harshman
DMEA/DFC (2)
Chron.

wdk

DMEA
DEPARTMENT OF THE INTERIOR
FEB 27 1958
REGION III
DENVER COLORADO

DMEA, REGION III

Statement in Lieu of Semiannual Report

Reporting Period July 1 - December 31, 1957
Docket and Contract Number Docket DMEA 2517 (Lead, zinc) Contract Idm-E413
Operator Defender Mining Company (Defender mine) Silvercliff, Custer County, Colorado

The project has been inactive during the reporting period [X]

Pertinent data relative to the subject contract has remained unchanged since the last report [X]

Remarks:

Water is pumped out of mine weekly. According to E. E. Stacy, Silver Cliff, no new work is contemplated until metal prices improve. Equipment is still at the mine including a Vulcan 20 Hp. electric hoist and an old Gardner-Denver horizontal 105 c.f.m. compressor driven by a 20 Hp. electric motor. No shipments have been made during the past year.

Signed Carl Belser
Carl Belser

Date 2/27/58

UNITED STATES
DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration
224 New Customhouse
Denver 2, Colorado

July 11, 1957

OFFICIAL FILE COPY
DMEA
RECEIVED JUL 15 1957

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7/18	C	
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		500.

Memorandum

To: Chairman, Operating Committee, DMEA

From: Executive Officer, DMEA Field Team, Region III

Subject: Semiannual Report of Certified Project for the period January 1, 1957 through June 30, 1957
DMEA Docket 2517 (Lead-Zinc-Silver)
Contract Idm-E 413, Defender Mining Company (Defender Mine)
Silvercliff (Custer County), Colorado

Enclosed are the original and ~~three~~ two copies of the subject report prepared in conformance with instructions contained in memorandum of January 6, 1956 from this office, Memorandum 29, and Special Notice in Minutes of Operating Committee Meeting No. 692.

W S King
~~XXXXXXXXXXXXXX~~
Executive Officer, DMEA
Field Team, Region III

Enclosures

MHM/vj

cc: Semiannual Report File E 413
Royalty File E413
Harshman
DMEA/DFC
Chron.

DMEA
ARTMENT OF THE INTERIOR
JUN 26 1957
REGION III
DENVER, COLORADO

DMEA, REGION III

STATEMENT IN LIEU OF SEMIANNUAL REPORT

Reporting Period Jan. 1, 1957 to June 30, 1957
Docket and Contract Number Docket DMEA 2517, Idm-E413
Operator Defender Mining Co.
Defender Mine, Silvercliff, Colorado

The project has been inactive during the reporting period [ ]

Pertinent data relative to the subject contract has remained unchanged since the last report [X]

Remarks:

The property was visited on June 20, 1957.
E. F. Stacey is keeping the mine water pumped out.
Nothing has been done on the proposed upgrading mill. Stacey says another company may be approached to build the mill.

OFFICIAL FILE COPY
DMEA
RECEIVED JUL 15 1957

DATE	INITIALS	CODE

Signed W. J. Tesch Jr.
W. J. Tesch, Jr.
Bureau of Mines

Date June 21, 1957

ACTION ON INTERIM
OR FINAL FIELD TEAM REPORT

Date 1-18

Referred to:

1. ~~Mr. Mittendorf~~
2. ~~Mr. Johnson~~
3. ~~Mr. Chambers~~
4. Docket Control Mails and Files
5. Division
6. ~~Docket Control Mails and Files~~
7. 500

Note comments in report regarding:

1.

2.

3.

4.

and take appropriate action.

- - - - - - - - -

Action taken by Division:

Robert E. Adams

UNITED STATES
DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration
224 New Customhouse
Denver 2, Colorado

OFFICIAL FILE COPY
DMEA
RECEIVED MAR 15 1957

DATE	INITIALS	CODE
3/15	C	220
/18	COM	100

March 13, 1957

Memorandum

To: Chairman, Operating Committee, DMEA

From: Executive Officer, DMEA Field Team, Region III

Subject: Semiannual Report of Certified Project for the period July 1, 1956 through December 31, 1956
DMEA Docket 2517 (Lead-Zinc-Silver)
Contract Idm-E 413, Defender Mining Company (Defender Mine)
Custer County, Colorado

Enclosed are the original and three copies of the subject report prepared in conformance with instructions contained in memorandum of January 6, 1956 from this office, Memorandum 29, and Special Notice in Minutes of Operating Committee Meeting No. 692.

E. M. Harshman

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

Enclosures

MHM/vj

cc: Semiannual Report File E 413
J. F. Shaw (2)
Harshman
Chron.

DMEA, REGION III

STATEMENT IN LIEU OF SEMIANNUAL REPORT

DMEA
DEPARTMENT OF THE INTERIOR
MAR 8 1957
REGION III
DENVER, COLORADO

Reporting Period July 1, 1956 to December 31, 1956
Docket and Contract Number Docket DMEA 2517, Idm-E413
Operator Defender Mining Co.
Defender Mine, Silvercliff, Colorado

The project has been inactive during the reporting period [ ]

Pertinent data relative to the subject contract has remained unchanged since the last report [X]

Remarks:

Water is pumped out of the mine about 3 times a month.

Nothing being done on the proposed upgrading mill.

OFFICIAL FILE COPY
DMEA
RECEIVED MAR 15 1957

DATE	INITIALS	CODE

Signed D. E. Redmon
D. E. Redmon
U. S. Bureau of Mines

Date
March 8, 1957

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION

224 New Customhouse
Denver 2, Colorado

October 9, 1958

OFFICIAL FILE COPY
O. M. E.
RECEIVED OCT 13 1958

DATE		
10/13	C	220
		~~100~~
10/13		110
10/14		800
10/16		500

Memorandum

To: Chairman, Operating Committee, OME

From: Acting Executive Officer, OME Field Team, Region III

Subject: Semiannual Report of Certified Project for the period January 1 - June 30, 1958, Docket DMEA 2517 (Lead-Zinc) Contract Idm-E413, Defender Mining Company (Defender mine) Silvercliff, Custer County, Colorado

Enclosed are the original and three copies of the subject report prepared in conformance with instructions contained in memorandum of January 6, 1956 from this office, Memorandum 29, and Special Notice in Minutes of Operating Committee Meeting No. 692.

E. N. Harshman

E. N. Harshman

Enclosures

OME
DEPARTMENT OF THE INTERIOR
SEP 26 1958
REGION III
DENVER, COLORADO

DMEA, REGION III

Statement in Lieu of Semiannual Report

Reporting Period Jan. 1 - June 30, 1958
Docket and Contract Number Docket DMEA 2517 (Lead-Zinc) Contract Idm-E413
Operator Defender Mining Company (Defender mine)
Silvercliff, Custer County, Colorado

The project has been inactive during the reporting period [X]

Pertinent data relative to the subject contract has remained unchanged since the last report [X]

Remarks:

Mr. E. E. Stacy is now working for the Calico Mining Company.

Pumps have been pulled from the Plasiflora mine. No mining has been done on the Defender mine in the past four years. At the present time the Defender mine is pumped twice a month.

Signed Carl Belser
Carl Belser

Date Sept. 25, 1958

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

RECEIVED
SEP 1 2 1956

224 New Customhouse
Denver 2, Colorado

Date: September 7, 1956

Memorandum

To: Chairman, Operating Committee, DMEA

From: Executive Officer, DMEA Field Team, Region III

Subject: Semiannual Report of Certified Project for the period January 1, 1956 through June 30, 1956
DMEA Docket 2517 (Lead-Zinc-Silver)
Contract Idm-E 413, Defender Mining Company (Defender Mine), Custer County, Colorado

Enclosed are the original and three copies of the subject report prepared in conformance with instructions contained in memorandum of January 6, 1956 from this office and Memorandum 29.

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

Enclosures

MHM/vj
cc: Semiannual Report File E 413
J. F. Shaw (2)
E. N. Harshman
Chron.

RECEIVED
SEP 1 3 1956

Semiannual Report of Certified Projects

Reporting Period January 1 to June 30, 1956

Docket and Contract Number DMEA 2517, Contract Idm-2413

Operator Defender Mining Co.

Commodity Lead-zinc-silver

Mine Name Defender mine

County and State Custer County, Colorado

Date of Contract September 10, 1952

Date of Certification April 17, 1953

Expiration Date of Royalty Payments September 10, 1962

Date of Examination for this Report July 9, 1956

Total Amount of Contract $4,799.60

Total Expenditures under Contract $4,799.60

Amount of Government Participation at 50 % $2,399.80

Royalty Payments this Period $165.81

Previous Royalty Payments $53.63

Total Royalty Payments to Date $219.44

% Loan Repayment Completed 9.14

Amount of Royalty Due none

Royalty Remarks Last royalty payment June 6, 1956

750 tons of inferior ore assaying about 6% lead, 4% zinc and one ounce silver per ton

Original Estimate of Reserves (from Final Engr.-Geol. Report): _____

Increase of Reserves by work performed subsequent to expiration or termination of contract: Approximately 250 tons, based on a conference with E. F. Stacy, Supt., on July 9, 1956. No increase over last reporting period.

Revised Estimate of Reserves: 1000 tons

Production this Period (Ore or Concentrates) No production of ore this period, however, smelter returns were received on 11.378 tons of lead concentrates and 29.422 tons of zinc concentrates.

Amount of Previous Production (since date of contract) 117.566 tons of upgraded ore

Total DMEA Production to date 164.656 tons of upgraded ore and lead and zinc concentrates

% of Revised Reserves Mined approximately 70%

Production Remarks: Production of 400 tons of sulfide ore during 1955 from the 150 and 225 foot levels of the Defender mine. Mine shut down for entire reporting period.

Note: On Uranium projects check with AEC to assure that our records are in agreement with theirs.

Other Remarks: E. F. Stacy, Supt., has kept the mine unwatered and on a standby basis. The 100 ton mill to be installed on the property by Mineral Concentrating Company of America, Inc., by June 15, 1956 has not yet materialized. The delay is blamed on difficulty in receiving equipment.

Signed C. M. Harrer (Engineer)

C. M. Harrer

2517

ACTION ON INTERI[illegible]
OR FINAL FIELD TEAM [illegible]ORT

Date 5-23

Referred to:

1. ~~Mr. Mittendorf~~
2. ~~Mr. Johnson~~
3. ~~Mr. Chambers~~
4. Docket Control Mails and File
5. Rose Mulvey Divis.on
6. Docket Control Mails and File

Note comments in report regarding:

1. Erect 100 Ton mill for these small reserves?
2.
3.
4.

and take appropriate action.

- - - - - - - -

Action taken by Division:

Robert E. Adams

RECEIVED
MAY 23 1956

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

224 New Customhouse
Denver 2, Colorado

Date: May 21, 1956

Memorandum

To: Chairman, Operating Committee, DMEA

From: Executive Officer, DMEA Field Team, Region III

Subject: ~~Semiannual~~ Annual Report of Certified Project for the period January 1 through December 31, 1955
DMEA Docket 2517 (Lead-Zinc)
Contract Idm-E 413 Defender Mining Company (Defender Mine), Custer County, Colorado

Enclosed are the original and three copies of the subject report prepared in conformance with instructions contained in memorandum of January 6, 1956 from this office and Memorandum 29.

NOTE - Indicated royalty due has been requested from the Operator by our letter of May 21, 1956.

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

Enclosures
MHM/vj
cc: Semiannual Report File E 413
~~Semiannual Report File E413~~
Royalty File E413
J. F. Shaw (2)
E. N. Harshman
Chron.

RECEIVED
MAY 23 1956

Region III

Building 20
Denver Federal Center
Denver 2, Colorado
May 16, 1956

MAY 1956
BUREAU OF MINES
Denver, Colorado

Memorandum

To: Executive Officer, DMEA Field Team, Region III

From: C. M. Harrer
Through: John F. Shaw
Supervising Mining Engineer

Subject: Docket DMEA 2517, (Lead-Zinc), Contract Idm-B413, Defender Mining Co., Custer County, Colorado -- Report on investigation for semi-annual report and production

The Defender mine was visited on May 7, 1956. Mr. E. F. Stacy, Superintendent and one of the partners was contacted in Silver Cliff. About 400 tons of development rock was mined and milled during the period May-Dec. 1955. This rock was milled by the local Turner Machine Shop in a crude mill.

The files of the Division of Mineral Industries, Bureau of Mines, Denver, Colo., have records of the following concentrates shipped to the A. S. & R. Co. smelter at Leadville.

Date	Dry Tons Concentrates	Ounces Silver Gross	Ounces Silver Recovered	Pounds of Lead Gross	Pounds of Lead Recovered
Sept. 1955	6	136	136	7,542	7,240
Jan. 1956	11	209	209	9,751	9,361

In addition, Mr. Stacy stated that approximately 33 tons of zinc concentrates were loaded at Texas Creek for Amarillo, Texas on May 6 or 8, 1956.

The above production is reported as from the 150 and 225 foot levels west and is therefore subject to royalty.

Mr. Stacy reports that the 150-foot level of the Defender mine was advanced about 100 feet westerly and the 250 foot level was advanced about 100 feet southwesterly since DMEA. In addition, a winze sunk about 35 feet below the 225-foot level on 6 to 36 inches of vein, assayed from 1 to 7 percent lead and 4 to 20 percent zinc at the bottom.

The mine has been shut down since the first of this year, however, water is being pumped out. It was not accessible at the time of inspection.

Mr. Stacy reports that the Mineral Concentrating Co. of America, Inc., of 1228-34 Harding Ave., Des Plaines, Ill., will install a 100-ton mill by June 15, 1956.

C. M. Harrer

C. M. Harrer
Mining Engineer

cc 9
Idm-R413
Chron.

CMH/ch

Semi-Annual Report of Certified Projects

RECEIVED
MAY 23 1956

DMEA
Date Rec'd.
MAY 17 1956
BUREAU OF MINES
Denver, Colorado

Reporting Period January 1 to December 31, 1955.

Docket and Contract Number DMEA 2517, Contract Idm-E413

Operator Defender Mining Co.

Commodity Lead - Zinc - Silver

Mine Name Defender Mine

County and State Custer County, Colorado

Date of Contract September 10, 1952

Date of Certification April 17, 1953

Expiration Date of Royalty Payments September 10, 1962

Date of Examination for this Report May 7, 1956

Total Amount of Contract $4,799.60

Total Expenditures under Contract $4,799.60

Amount of Government Participation at 50 **%** $2,399.80

Royalty Payments this Period None

Previous Royalty Payments $53.63

Total Royalty Payments to Date $53.63

% Loan Repayment Completed 2.23

Amount of Royalty Due Production for period May - Dec. 1955.

Royalty Remarks Last royalty payment dated 5/6/53.

Original Estimate of Reserves (from Final Engr.-Geol. Report): 750 tons of inferred ore assaying about 6% lead, 4% zinc and one ounce silver per ton.

Increase of Reserves by work performed subsequent to expiration or termination of contract: Approximately 250 tons, based on a conference with E. F. Stacy, Supt., on 5/7/56.

Revised Estimate of Reserves: 1000 tons

Production this Period (Ore or Concentrates) Company officials estimate 400 tons of ore were mined between May-Dec. 1955. This produced an estimated 40 tons of lead & zinc concentrates.

Amount of Previous Production (since date of contract) 117.566 tons of upgraded ore.

Total DMEA Production to date Estimated production of about 158 tons of upgraded ore and lead and zinc concentrates.

% of Revised Reserves Mined Approximately 70%.

Production Remarks: Production of 400 tons of sulfide ore during 1955 came from the 150 and 225-foot levels of the Defender mine. E. F. Stacy reports that a winze sunk 35 feet below the 225-foot level assayed 3.9 percent lead and 16.5 percent zinc over a width of 3 feet at its bottom. The operator extended the 150-foot level of the Defender mine about 100 feet westerly. The bottom or 225-foot level was extended about 100 feet southwesterly since DMEA exploration.

Other Remarks: Records in the files of the Division of Mineral Industries, Bureau of Mines, Denver, Colo., report 400 tons of ore mined for the period May-Dec. 1955. This was run through a crude mill established by the Turner Machine Co., Silver Cliff, Colo., and resulted in 17.7 tons of lead concentrates sold to the A.S.&R. Co. at Leadville. In addition, about 33 tons of zinc concentrates milled during the latter part of 1955 and early in 1956, were loaded for shipment to Amarillo, Texas on May 7, 1956. This will be subject to DMEA royalty.

E. F. Stacy reports that a 100 ton mill will be installed on the property by the Mineral Concentrating Co. of America, Inc. by June 15, 1956.

Signed C. M. Harrer (Engineer)
C. M. Harrer

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

224 New Customhouse
Denver 2, Colorado

February 7, 1955

Memorandum

To: Secretary to the Operating Committee

From: Executive Officer, DMEA Field Team, Region III

Subject: Semi-annual Report - Docket No. DMEA-2517 (Lead-Zinc), Contract Idm-E413, Defender Mining Company, Custer County, Colorado

Enclosed are four copies of the Semi-annual Report on Contract Idm-E413.

W. M. Traver

Enclosures

DMEA

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

SEMI-ANNUAL REPORT OF CERTIFIED PROJECTS

Period:	July 1, 1954, to December 31, 1954
Docket No.:	DMEA 2517 Contract Idm-E413 (Lead-zinc)
Operator:	Defender Mining Company c/o Roy H. Pratt P. O. Box 669 Enid, Oklahoma
Name of mine:	Defender
County:	Custer County, Colorado
Date certified:	April 17, 1953
Contract amount:	$4,799.50 Amount spent: $4,799.50
Government participation:	50 percent, or $2,399.80
Remarks:	Operations at the Defender mine were suspended in April 1953, and have not been resumed as of January 1, 1955. There was no production during the period July 1, 1954 to December 31, 1954, as verified by the records of the Division of Mineral Industry Statistics, Bureau of Mines, Region III. At the conclusion of operations, there was an indeterminate tonnage of low-grade ore left in the margin of a small ore shoot, which is the certified discovery but no estimate of ore reserves was possible.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

SEMI-ANNUAL REPORT OF CERTIFIED PROJECT

Period: January 1, 1954, to June 30, 1954

Docket No.: DMEA 2517 Contract Idm-E413 (Lead-zinc)

Operator: Defender Mining Co.
c/o Roy H. Pratt, P.O. Box 669, Enid, Oklahoma

Name of mine: Defender Location: Custer County, Colorado

Date certified: April 17, 1953

Contract amount: $4,799.50 Amount spent: $4,799.60

Government participation: 50 percent, or $2,399.80

Remarks: Operations at the Defender mine were suspended in April 1953 and have not been resumed as of July 1, 1954. There was no production during the period January 1, 1954, to June 30, 1954, as verified by the records of the Statistics Branch, Mineral Industry Division, Region IV, Bureau of Mines and by a Bureau of Mines engineer who was in the vicinity in May 1954. At the conclusion of mining operations, there was an indeterminate tonnage of low-grade ore left in the margin of a small ore shoot, which is the certified ore discovery, but no estimate of ore reserves was possible.

MHS/kp
E413

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

SEMI-ANNUAL REPORT OF CERTIFIED PROJECT

Period:	July 1, 1953 to December 31, 1953
Docket No.:	DMEA 2517 Contract Idm-E413 (Lead-zinc)
Operator:	Defender Mining Company c/o Roy H. Pratt, P.O. Box 669, Enid, Oklahoma
Name of Mine:	Defender Location: Custer County, Colorado
Date Certified:	April 17, 1953
Contract Amount:	$4,799.60 Amount spent: $4,799.60
Government Participation:	50 percent, or $2,399.80
Remarks:	Operations at the Defender mine were suspended in April 1953 and have not been resumed as of January 1, 1954. There was no production from the mine during the period July 1, 1953 to December 31, 1953, as verified by the records of the Statistics Branch, Mineral Industry Division, Region IV, Bureau of Mines. At the present market price of metals (lead, 13.5 cents per pound; zinc, 11.5 cents per pound), an indeterminate tonnage of low-grade ore remaining in the margins of the small ore shoot, which is the certified ore discovery, cannot be considered mineable ore.

MHS/kp
E413

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

mds

224 New Customhouse
Denver 2, Colorado

September 22, 1953.

Memorandum

To: Secretary to the Operating Committee

From: Executive Officer, DMEA Field Team, Region IV

Subject: Semiannual Report - Docket No. DMEA-2517, Contract No. Idm-E413 (Lead-Zinc), Defender Mining Company.

Enclosed are four copies of the Semiannual Report on Contract No. Idm-E413.

W. H. King
W. H. King

Enclosures

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

SEMI-ANNUAL REPORT OF CERTIFIED PROJECT

Period: January 1, 1953 to June 30, 1953

Docket No.: DMEA 2517 Contract Idm-E413 (Lead-zinc)

Operator: Defender Mining Company

Address: c/o Roy H. Pratt, P. O. Box 669, Enid, Oklahoma

Name of Mine: Defender

County: Custer, Colorado

Date Certified: April 17, 1953

Contract Amount: $4,799.60 Amount Spent: $4,799.80

Government Participation: 50 percent, or $2,399.80

Remarks: Operations carried on at the property in 1952 and 1953 were suspended in April 1953 and have not been resumed. The ore discovery, certified April 17, 1953, was estimated to contain a maximum of 600 tons from a block on the Defender vein 72 feet long by 68 feet vertically, with an ore width from a few inches to 3 feet. Probable production from the block was estimated as less than the 600 tons maximum. The three shipments, made between January 1, 1953, and July 1, 1953, totaled 117 tons. They checked the estimated grade of ore closely. This ore was not mined profitably at the prevailing market prices for lead and zinc (lead, 13.417 to 12.333 cents per pound; zinc, 11.90 to 11.00 cents per pound). There is an indeterminate tonnage of low-grade ore left in the block which might be mineable at a small profit under higher market prices.

Summary of Production

Date	Dry Tons	Ounce per Ton Gold	Ounce per Ton Silver	Percent Lead-Zinc	Percent Lead-Zinc	Percent Copper	Net Value	Government Royalty
2/23/53	67.33	.035	2.65	8.70	7.45	.50	$1,084.12	$39.53
3/21/53	36.17	.025	2.45	7.75	6.55	.40	486.50	11.61
5/5 /53	14.05	.03	2.45	6.75	6.75	.30	158.88	2.49
Total	117.55						$1,729.50	$53.63

The above shipments were made in the name of Roy A. Pratt to the Resurrection mill at Leadville, Colorado.

The operation contributed 3.682 ounce of gold, 301.48 ounces of silver, 19,219 pounds of lead, and 16,667 pounds of zinc to the nation's stockpile during the reporting period.

MHS/cb

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

224 New Customhouse
Denver 2, Colorado

April 29, 1953.

Memorandum

To: Secretary to the Operating Committee

From: Executive Officer, DMEA Field Team, Region IV

Subject: Form MF-104, DMEA Docket 2517, Contract Idm-E413 (Lead-Zinc), Defender Mining Company, Custer County, Colorado.

Enclosed are two copies of the Operator's Final Progress Report MF-104 and MF-104A, Operator's Narrative Report, Inspecting Engineer's Narrative Report, and other supporting data for the month of December 1952, pertaining to DMEA Docket 2517, Contract Idm-E413 (Lead-Zinc), Defender Mining Company, Custer County, Colorado.

Forms were processed for payment in conformance with the Final Audit Report by the Contract Administration and Audit Division dated April 28, 1953.

Government's full contribution amounted to $2,399.80 as allowed by the contract.

Copies of Engineer's Final Report, Geologist's Final Report, and Operator's Final Report will be transmitted at a later date after all data has been assembled in this office.

for John T. Shaw
W. H. King

Enclosures

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

224 New Customhouse
Denver 2, Colorado

April 27, 1953.

FINAL

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: DMEA Docket 2517, Contract Idm-2413 (Lead-Zinc), Defender Mining Company, Custer County, Colorado. Operator's Monthly Progress Report for the period December 1952.

Enclosed are the original and four copies of Form MF-104 and MF-104A, Narrative Report, and Engineer's Report for the above period.

Work has been completed as authorized by the contract. No documentation is required for work performed under contracts prepared on Form MF-200A, therefore we recommend that payment be made for 50 percent of the amount reported by the Operator on Form MF-104, contingent on your verification of arithmetical accuracy within the report.

This payment constitutes the final claim under the subject contract, and is in conformance with final audit report by the Contract Administration and Audit Division.

Remarks:

Date of Report	January 22, 1953.
Date Received in Field Office	January 20, 1953.
Date Received in Region Office	February 16, 1953.
Date Processed for Payment	April 27, 1953.

Held up pending receipt of Operator's Final Report and completion of final Audit Report.

W. H. King
W. H. King

RDB:cwm

cc: Contract
Secretary to the Oper. Comm. (2)
WMTraver
Chron.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20, Room 137
Denver Federal Center
Denver 14, Colorado
February 10, 1953

Memorandum

To: Executive Officer, Field Team, Region IV

From: Chief, Mineral Resources Branch, Mining Division, Region IV

Subject: DMEA 2517, Contract Idm-E413 (lead-zinc), Defender Mining Company, Custer County, Colorado - Progress report for December 1952

Please find enclosed the original and four copies of the subject progress report--forms MF-104 and MF-104A, with narrative--and the original and six copies of M. N. Salsbury's memorandum covering inspection of the underground progress.

The contract is on short form MF-200 (A) and the narrative report is acceptable. Units of work for the month, 36 feet of drifting and 26 feet of raising, are entered correctly on the forms and cost extensions are correct. This month's work completes the contract and recommendation of certification of discovery can be made.

Your attention is called to the fact that Roy O. Pratt signed only the original narrative. The report is assembled without stapling; should the four remaining narratives require signature, they can readily be returned to him for that purpose.

Payment of $1,144.52, or 50 percent of the total $2,289.04 claimed by the contractor, is certified.

W. M. Traver

W. M. Traver

enclosures
WMT/amh
cc: 4
E413
DMEA Chron.

Region IV

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Building 20, Room 137
Denver Federal Center
Denver 14, Colorado
February 10, 1953

Memorandum

To: Chief, Mineral Resources Branch, Mining Division, Region IV

From: M. N. Salsbury

Subject: DMEA 2517, Contract Idm-2413 (lead-zinc), Defender Mining Company, Custer County, Colorado - Progress report for December 1952

The subject underground progress was inspected January 29, 1953, in company with E. F. Stacy, the mine superintendent, and E. N. Harshman, of the U. S. Geological Survey.

The raise between the 225-foot and 150-foot levels had been completed, a distance of 70 feet. This is 20 feet more than the 50 feet allowed under the contract, of which 24 feet had been claimed previously.

A sublevel had been driven 39 feet southwesterly starting at a point in the raise 42 feet above the floor of the 225-foot level. This is 3 feet more than the 80 feet allowed under the contract, of which 44 feet had been claimed previously. This sublevel started out on the vein but 12 feet west of the raise the vein was lost in the hanging wall and the drift wanders off to the southwest. The vein was located later by crosscutting into the hanging wall at a point 17 feet from the raise.

The crosscut was not included in measuring for contract payment.

During the inspection, data were obtained in cooperation with E. N. Harshman to complete a recommendation for certification and the final report on the project which will be written up when sample returns are received.

At the same time, the advisability of further exploration, under a request for an amendment to the contract, was considered. Denial of the requested amendment will be recommended.

The Resurrection Mining Company's custom mill has been notified to make royalty payments to the Government on ore shipments from the Defender mine, the first of which is due to be loaded February 2, 1953.

The monthly unit totals and costs as entered on forms MF-104 and MF-104A for November are correct.

Payment of $1,144.52, or 50 percent of the $2,289.04 claimed by the Defender Mining Company, is approved. With this payment, the total disbursement by the Government will equal the $2,399.80 allowed under the contract.

M. H. Salsbury
Mining Engineer

MHS/amh

cc: 6
E413
DMEA Chron.

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 12-8-1-17, 1953 Docket No. DMEA 2517 Contract No. IDM-E-413
Operator's Name Defender Mining Company Minerals Lead and zinc
Address Silver Cliff, Colorado - Mailing: Box 669, Enid, Oklahoma
Contract Amount, $4,799.60 Government Participation: 50 % Amount, $2,399.80

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	$1,329.12	$1,624.48	$2,953.60			
Raising	959.92	886.08	1,846.00			
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	$2,289.04	$2,510.56	$4,799.60	2289.04	2,510.56	4,799.60

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

Date 1-22-1953 *Payee Defender Mining Company

Per [signature] Title Attorney-in-Fact

*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:

$1144.52

Signature [signature]
(Authorized Certifying Officer)

Date 4/28/53 Voucher 53-129

(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-E413 in accordance with the terms of the contract.

Signature M. K. Hahlmy B 1144,52 Title Mining Engineer Date Feb. 5, 1953

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE: R.D.B.

Signature W. H. King Title Executive Officer Date APR 27 1953

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 12-8-1-17 195 3 Docket No. DMEA 2517 Contract No. IDM E 413
Operator's Name Defender Mining Company Minerals Lead and zinc
Address Silver Cliff, Colorado - Mailing: Box 669-Enid, Okla.

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	foot	1329.12	36	2953.60	80	36.92	80	36.92
Crosscutting								
Raising	foot	959.92	26	1846.00	50	36.92	50	36.92
Shafts								
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		2289.04	62	4799.60				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		2289.04	62	4799.60				$4,799.60

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 1-22-1953 Operator Defender Mining Company

Per [signature] Title Attorney-in-Fact

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

January 22, 1953

NARRATIVE PROGRESS REPORT

Re: Defender Mining Company
DMEA 2517
Contract IDM-E-413

At the date of our last report we had completed drifting west on the 225 ft. level a distance of 44 ft. and had made 24 ft. in the raise.

We have now completed the raise to 50'7" and an intermediate drift west from that point a distance of 36 feet which completes the work covered by this contract.

At 42 ft. up in the raise we encountered good lead-zinc ore which continued up as far as we have gone. Although it is not covered by the contract we are now extending the raise up to the 150 ft. level to secure air and are still in the ore. The ore removed is being binned for shipment.

In our drifting west on the vein at the intermediate we had good ore for about the last 30 feet. The west breast of the intermediate and the west breast of the 225 ft. level look very good and each showing a vein of ore about 30" wide. At about the same point in both drifts the main vein is turning Southwest and leaving the old mud gouge which continues on west.

An assay on the ore in the bin which was sent to the mill for a settlement sheet shows - Gold .02; Silver 2.40 oz; Lead 7.07%; Zinc 10:15%. The ore we are now encountering appears to be much stronger.

We plan to open one 30' stope and possibly another as soon as we complete the raise to the 150 ft. and have air.

Yours very truly,

THE DEFENDER MINING COMPANY

By:

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JAN 15 1953

224 New Customhouse
Denver 2, Colorado

January 9, 1953

Memorandum

To: Secretary to the Operating Committee
Defense Minerals Exploration Administration

From: Executive Officer, Field Team, Region IV

Subject: Form MF-104, Docket DMEA 2517, Contract Idm-E413 (Lead-Zinc), Defender Mining Company, Custer County, Colorado

Enclosed are two copies of the Operator's Monthly Progress Report Form MF-104, and MF-104A, Operator's Narrative Report, Inspecting Engineer's Narrative Report, and other supporting data for the period of November, 1952, pertaining to DMEA Docket 2517, Contract Idm-E413, Defender Mining Company, Custer County, Colorado.

W. H. King
W. H. King

Enclosures

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

Keating
Betty

224 New Customhouse
Denver 2, Colorado

January 9, 1953

Memorandum

To: Secretary to the Operating Committee
Defense Minerals Exploration Administration

From: Executive Officer, Field Team, Region IV

Subject: Form MF-104, Docket DMEA 2517, Contract Idm-E413 (Lead-Zinc), Defender Mining Company, Custer County, Colorado

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W. H. King
W. H. King

Enclosures

53-77

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

224 New Customhouse
Denver 2, Colorado

December 31, 1952

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: DMEA Docket 2517, Contract Idm-E413 (Lead-Zinc), Defender Mining Company, Custer County, Colorado - Operator's Monthly Progress Report for the period of November 1952

Enclosed are the original and four copies of Form MF-104 and MF-104A, Narrative Report, and Engineer's Report for the above period.

Work has been completed as authorized by the contract. No documentation is required for work performed under contracts prepared on Form MF-200A, therefore we recommend that payment be made for 50 percent of the amount reported by the Operator on Form MF-104, contingent on your verification of arithmetical accuracy within the report.

Remarks:

Date of Report	Dec. 8, 1952
Date Received in Colorado Branch Office	Dec. 10, 1952
Date Received in Region IV Office	Dec. 29, 1952
Date Processed for Payment	Dec. 31, 1952

W. H. King
W. H. King

Enclosures

RDB:jp
cc Sec. to Oper Committee (2)
WMTraver
Contract
Chron
AHKoschmann (2)

Region IV

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Building 20, Room 137
Denver Federal Center
Denver 14, Colorado
December 24, 1952

Memorandum

To: Executive Officer, Field Team, Region IV

From: Chief, Mineral Resources Branch, Mining Division, Region IV

Subject: DMEA 2517, Contract Idm-R413 (Lead-zinc), Defender Mining Company, Custer County, Colorado - Progress report for November 1952

Please find enclosed the original and four copies of the subject progress report--forms MF-104 and MF-104A, with narrative--and seven copies of M. N. Salsbury's memorandum covering inspection of the underground progress.

The contract is on short form MF-200 (A) and the operator's work was found to conform with its terms and is properly entered on both forms MF-104 and MF-104A.

Payment is approved of $1,255.28, or 50 percent of the total $2,510.56 claimed by the contractor.

W. M. Traver, Jr.

W. M. Traver, Jr.

enclosures

cc 4
AHKoschmann
R413
DMEA Chron

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20, Room 137
Denver Federal Center
Denver 14, Colorado
December 24, 1952

Memorandum

To: Chief, Mineral Resources Branch, Mining Division, Region IV

From: M. H. Salsbury

Subject: DMEA 2517, Contract Idm-R413 (Lead-zinc), Defender Mining Company, Custer County, Colorado - Progress report for November 1952

The subject underground progress was inspected December 19, 1952, in company with E. F. Stacy, the superintendent of the Defender Mining Company.

Using the measuring plug placed in the north wall of the drift at the starting point, the west drift on the 225-foot level had, on December 19, 1952, been driven a total of 44 feet.

This agrees with the contractor's measurement of December 1. The measurement was checked back against the measuring point established by G. M. Harrer, and found to be correct.

A raise being driven on the vein 30 feet from the starting point of the drift, was up 46.3 feet from the back of the drift. This was 22.3 feet more than the amount claimed in November.

The drift work did not disclose any commercial ore. Several small streaks of lead and zinc sulfides were followed but did not open up. At 35 feet, two split veins went into the south wall and were followed by starting a new drift to the southwest. They did not make ore. This work was not counted in the progress claimed in November.

Following are the contractor's samples on the drift work:

Description	Oz./Ton Gold	Percent Lead	Percent Zinc
Grab of muck at 35 feet	2.6	0.8	2.7
Grab muck from 35 to 43 feet	0.9	0.6	1.9
Channel cut across 4-inch streak in southwest split	3.1	8.7	23.3
Four channel cuts across 4 feet, 3 inches in face of west drift at 40 feet	1.5	2.4	3.1

The raise was also in waste up to 40 feet above the level. Here the material between the foot and hanging wall streaks which had, up to then, shown the only mineralization, began to show sulfide enrichment. At 46 feet in the west end, it had widened to 3.5 feet, including 18 inches of heavy sulfides on the footwall, and 2 feet of low-grade decomposed rhyolite next to a 1-inch streak of sulfides on the hanging wall.

In the east end of the raise there were narrow streaks on both hanging wall and footwall with 4 feet of poorly mineralized rhyolite between.

Two samples were taken in the west end of the raise at 42 feet up. A grab of the raise muck being saved in the ore house was also taken.

At the time of inspection a raise round was being drilled which would bring the total amount of raise to more than the 50 feet allowed under the contract.

The ore showing in the raise appears to be the lower limit of the ore shoot on the 150-foot level, the extension of which is being sought.

Inasmuch as the ore showing will probably be of shipping grade, it is recommended that the 36 feet of drifting still remaining under the contract be expended in drifting west on the vein at approximately the 43-foot level of the raise.

The contractor was informed that this was the only work which would be approved. He was also informed that the ore buyer must be notified to deduct Government royalty on any ore shipped.

The monthly unit totals and costs as entered on forms MF-104 and MF-104A for November are correct.

Payment of $1,255.28, or 50 percent of the $2,510.56 claimed by the Defender Mining Company in November, is approved.

Scott W. Hazen Jr.
for M. H. Salsbury,
Mining Engineer

MHS/cb

cc 6
AHKoschmann
E413
DMEA Chron

Form MF-101 (Rev.)
(April 1952)

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JAN 15 1953

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

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of 11/8 to 12/8 195 52 Docket No. DMEA 2517 Contract No. Idm-E 413

Operator's Name Defender Mining Company Minerals Lead and zinc

Address Silver Cliff, Colo; Mailing Bx 669 Enid, Okla.,

Contract Amount, $ 4799.60 Government Participation: 50 % Amount, $ 2399.80

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	$1,624.48	none	$1,624.48			
Raising	886.08	none	886.08			
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	$2,510.56		$2,510.56	2,510.56		2,510.56

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

Date 12/8/52 *Payee DEFENDER MINING COMPANY

Per Roy Orrett Title Attorney in fact

*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:

$ 1255.28

Signature Alfred K. Olson
(Authorized Certifying Officer)

Date 1-6-53 Vou. No. 53-77

(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. IdmF413 in accordance with the terms of the contract.

Signature M. H. Halsbury 12 5 2 8 Title Mining Engineer Date Dec. 22, 1952

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE: L.D.B.

Signature W. H. King Title Executive Officer Date 12/31/52

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
JAN 15 1953

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of 11/8-12/8 1952 Docket No. DMEA 2517 Contract No Idm E 413
Operator's Name Defender Mining Company Minerals Lead and zinc
Address Silver Cliff, Colo.- Mailing Bx 669 Enid, Okla.

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	foot	1624.48	44	1624.48	44	36.92	80	36.92
Crosscutting								
Raising	foot	886.08	24	886.08	24	36.92	50	36.92
Shafts								
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
								TOTAL COSTS AUTHORIZED BY CONTRACT
TOTAL DISTRIBUTED COSTS		2510.56	68	2510.56				
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		2510.56	68	2510.56				

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 12/8/52 Operator Defender Mining Company

Per Roy Pratt Title Attorney in fact

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

NARRATIVE PROGRESS REPORT

Re; Defender Mining Company
DMEA 2517
Contract #IDM-S 413

We started from the designated starting point November 8, 1952 when the first round of holes were drilled and shot. We are driving a drift 4 x 7 measured inside the timbers and averaged slightly better than four feet per day.

The drift is being driven west along the exposed vein. The vein at the starting point was approximately 3' 10" in width and has varied in width in the distance driven from 3' 10" to 6'. The drift has been properly timbered.

At approximately the 50' point we encountered a cross-fall which apparently split the vein so that one part of it turned southwest and one part continues west. It will require additional drifting to determine whether a part of this vein continues its regular course west.

After properly timbering, a raise measuring 4' x 8' inside was started at approximately a point 50' from the starting point, at the point where the vein apparently split. Milling ore has been encountered throughout the length of the drift. The first round shot in the raise on the vein uncovered about 4' of low grade ore with streaks of apparently high grade ore going into the footwall on the south side. The same condition has existed as far as the work on the raise has progressed to date.

Yours very truly,

DEFENDER MINING COMPANY

By Roy A. Pratt
Attorney-in-fact