Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code

March 31, 1958

Memorandum

To: Mr. Wingfield N. Chamberlain, Statistics Branch
Division of Operation Control & Statistics

From: Director, Division of Base Metals

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

The cited project had no production during this period.

Docket No. DMEA-627
Contract No. Idm-E34
Operator: Cadwell Mining Company.

W. R. Griswold

W. R. Griswold

WRG/er
Copy to: Docket
Admr R File
Chron.

8623

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. 627 Operator Cadwell Mining Company Contract No. Idm-E 34

Ore Reserves

Ore Estimates	Tons	Analysis
Original (DMEA)	1,314	Zn. 8.96; Pb. 5.95; Ag. 10.26
Increase (Operator)		
Total		
Decrease (Production)		
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

W. R. Griswold/er

200338

DEFENSE MINERALS EXPLORATION ADMINISTRATION

Reporting Period - July 1 to December 31, 1956.

Base Metals Division Date March 11, 1957

Semi-Annual Report - Certified Project Date February 20, 1957

DMEA No. 627 Operator Cadwell Mining Co. Contract No. Idm-E 34

Ore Reserves

Ore Estimates	Tons	Analysis
Original (DMEA)		
Increase (Operator)		
Total		
Decrease (Production)		
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

The Operator began work on the Emma claim (not subject to DMEA) during July 1956. He has completed 200 to 300 feet of inclined raises, inclined drifts and raises from which several small shipments of low-grade (?) ore have been made.

J. W. Alt/er

100338

DEFENSE MINERALS EXPLORATION ADMINISTRATION
For the period January 1 - June 31, 1956

Base Metals Division Date October 24, 1956

Semi-Annual Report - Certified Project Date October 10, 1956

DMEA No. 627 Operator Cadwell Mining Company Contract No. Idm-E 34

Ore Reserves

Ore Estimates	Tons	Analysis
Original (DMEA)		
Increase (Operator)		
Total		
Decrease (Production)		
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

The Company is building a 16 by 44-foot office and change room adjoining the hoisthouse.

J. W. Alt/er

100338

DEFENSE MINERALS EXPLORATION ADMINISTRATION

To JANUARY 1, 1956

Base Metals J.W.A. Division Date June 6, 1956

Semi-Annual Report - Certified Project Date April 11, 1956

DMEA No. 627 Operator Cadwell Mining Company Contract No. Idm-E 34

Ore Reserves

Ore Estimates	Tons	Analysis
Original (DMEA)		
Increase (Operator)		
Total	1,314	10.26 oz. Ag., 5.95% Pb., 8.96% Zn. (Actual)
Decrease (Production)		
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

The discovery ore body reportedly extended to greater depth than originally estimated. The 6th or lower level of the Hayden shaft, along which the additional reserves were developed, was flooded on date of inspection.

The Operator is performing a small amount of exploratory work on the 5th level of the Hayden shaft and ultimately plans to deepen the Hayden shaft and develop the discovery ore body at greater depth.

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

July 11, 1963

Re: DMEA-627 (Lead-Zinc)
Cadwell Mining Co.
Hayden Mine
Lake County, Colorado
Contract Idm-234

Cadwell Mining Company
2475 Gray Street
Denver 14, 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.

Sincerely yours,

S/
W. R. Griswold
W. R. Griswold, Chief
Division of Minerals

MME Form 63
Revised 3-62

REQUEST FOR INFORMATION ON CERTIFIED PROJECT
AND PROJECT UNDER ROYALTY AGREEMENT

From Nov. 6, 1961, to June 28, 1963

1. [redacted] , 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 ☐

From Nov. 6, 1961, to June 28, 1963

2. [redacted] , 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

Docket Copy

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

Re: DMEA-627 (Lead-Zinc)
Cadwell Mining Co.
Hayden Mine
Lake County, Colorado
Contract Idm-234

JUN 25 1963

Dumont Mining Corporation
300 Park Avenue
New York 22, New York

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,

s/F. M. Murphy
F. M. Murphy, Acting Chief
Division of Minerals

MME Form 63
Revised 3-62

REQUEST FOR INFORMATION ON CERTIFIED PROJECT
AND PROJECT UNDER ROYALTY AGREEMENT

From Nov. 6, 1961, to June 28, 1963

1. [redacted] , 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 ☐

From Nov. 6, 1961, to June 28, 1963

2. [redacted] , 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

627

#1-INSTRUCTIONS TO DELIVERING EMPLOYEE

☐ Deliv[illegible]LY to addres[illegible]

☐ Show address where delivered [illegible]7

(Additional charges required for these services)

RETURN RECEIPT

Received the numbered article described on other side.

SIGNATURE OR NAME OF ADDRESSEE *(must always be filled in)*

S. C. Phillips

SIGNATURE OF ADDRESSEE'S AGENT, IF ANY

Hazel L. Phillips

DATE DELIVERED

9/28/62

ADDRESS WHERE DELIVERED *(only if requested in item #1)*

C55—16—71548-4 GPO

[redacted]

627

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

September 24, 1962

Re: DMEA-627 (Lead-Zinc)
Cadwell Mining Co.
Hayden Mine
Lake County, Colorado
Contract Idm-E34

REGISTERED MAIL

Mr. G. C. Phillips
Box 803
Cortez, Colorado

Dear Mr. Phillips:

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 17 but so far we have not heard from you. It will be greatly appreciated if you will be kind enough to bring us up to date concerning the status of the referenced property.

Sincerely yours,

W. R. Griswold

W. R. Griswold, Chief
Division of Minerals

MME Form 63
Revised 3-62

DMEA-627
Idm-E34

REQUEST FOR INFORMATION ON CERTIFIED PROJECT AND PROJECT UNDER ROYALTY AGREEMENT

1. Since November 6, 1961, 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 November 6, 1961, 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 17, 1962

Re: DMEA-627 (Lead-Zinc)
Cadwell Mining Co.
Hayden Mine
Lake County, Colorado
Contract Idm-834

Mr. S. C. Phillips
Box 803
Cortez, Colorado

Dear Mr. Phillips:

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

DMDA-627
IdM-836

REQUEST FOR INFORMATION ON CERTIFIED PROJECT AND PROJECT UNDER ROYALTY AGREEMENT

1. Since November 6, 1961, 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 November 6, 1961, 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.

MAY 9 1962

Re: [illegible]-627 (Lead, Zinc)
Gatwald Mining Co.
Taylor Mine
Ouray County, Colorado
Contract Id-234

Mr. H. C. Phillips
Box 803
Cortez, Colorado

Dear Mr. Phillips:

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

Willis R. Griswold, Chief
Division of Minerals

MME Form 63
Revised 3-62

REQUEST FOR INFORMATION ON CERTIFIED PROJECT AND PROJECT UNDER ROYALTY AGREEMENT

1. Since 11/6/61 [illegible], 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 11/6/61 [illegible], 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 [illegible], has any production been transported through [illegible] workings (see [illegible] 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
Building 20 - Federal Center
Denver 25, Colorado

February 2, 1960

OFFICIAL FILE COPY
O. M. E.
RECEIVED FEB 8 1960

DATE	INITIALS	CODE
2-8	gad	VVO
2/8	[illegible]	800
"	[illegible]	500
		225

Mr. S. C. Phillips
Cadwell Mining Company
2450 Kendall Street
Edgewater, Colorado

Re: Docket No. DMEA 627 (Zinc)
Contract No. Idm-E34
(Hayden mine)
Lake County, Colorado

Dear Mr. Phillips:

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 _____

TMR:ltm cc: Chmn. Op. Comm. ✓ Roy. Corres. E34 Chron.

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

OFFICIAL FILE COPY
O. M. E.
RECEIVED AUG 22 1960

DATE	INITIALS	CODE
8-22	gad	220
"	JSJ	110
8-23	LEF	800
"	gla	500
		225

August 19, 1960

Memorandum

To: George C. Selfridge, Chief
Division of Field Operations, OME
Washington 25, D. C.

From: Hugh M. Connors, Acting Field Officer, OME, Region III

Subject: Report of Certified Project for the period
January 1, 1959 through December 31, 1959
DMEA Docket ~~6027~~ 6027
Contract Idm E34 (Zinc)
Caldwell Mining Company
(Hayden mine)
Lake County, Colorado

The subject certified project was listed in your memorandum of August 12, 1960 as not having an annual report.

Our records show that we forwarded statement in lieu of interim report to your office on May 6, 1960. Attached are the original and two copies of that interim report. rec'd 5-11-60, recorded & filed in Mfta. gad

Hugh M. Connors
Hugh M. Connors

Attachments

Copy

OFFICIAL FILE COPY
O. M. E.
RECEIVED AUG 22 1960

DATE	INITIALS	CODE

OFFICE OF MINERALS EXPLORATION

REGION III

Statement in Lieu of Interim Report
of Certified Project

Reporting Period January 1, 1959 to March 2, 1960

Docket and Contract Number DMEA-6027 Idm-E34 (Zinc)

Operator Cadwell Mining Company
(Hayden mine) Lake 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 [ ]

Remarks: The operator reported that there was no production from the subordinated ground during the captioned period.

Signed S/ T. M. Romslo Date May 5, 1960

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION

Building 20 - Federal Center
Denver 25, Colorado

May 6, 1960

OFFICIAL FILE COPY
O. M. E.
RECEIVED MAY 11 1960

DATE	INITIALS	CODE
5-11	gad	VVO
"	gfs	110
5/12	[illegible]	800
5/13	glf	500
		225

Memorandum

To: Chief, Division of Field Operations, OME
Washington 25, D. C.

From: Acting Field Officer, OME, Region III

Subject: Report of Certified Project for the period 1/1/59 through 12/31/59

DMEA Docket ~~6027~~ 627
Contract Idm-E34 (Zinc)
Cadwell Mining Company
(Hayden mine)
Lake County, Colorado

Enclosed are the original and one copy of the subject report.

Hugh M. Connors

Hugh M. Connors

Enclosure

cc: Semiannual Report File Idm-E34
Chron

OFFICIAL FILE COPY
O. M. E.
RECEIVED MAY 11 1960

DATE	INITIALS	CODE

OFFICE OF MINERALS EXPLORATION

REGION III

Statement in Lieu of Interim Report of Certified Project

Reporting Period January 1, 1959, to March 2, 1960

Docket and Contract Number DMEA-6027, Idm-E34 (Zinc)

Operator Cadwell Mining Company
(Hayden mine) Lake 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 [ ]

Remarks: The operator reported that there was no production from the subordinated ground during the captioned period.

Signed T. M. Romslo
T. M. Romslo

Date May 5, 1960

20th New Customhouse
Denver 2, Colorado
October 15, 1958

Memorandum

To: Chairman, Operating Committee, OME

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

Subject: Semi-annual Report of Certified Project for the period January 1, 1958 to June 30, 1958

DMEA Docket: ~~638~~ 627 606 1870 3179

Contract No. Idm- E34 E29 E309 E661

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. 672.

Original signed by
E. N. HARSHMAN

E. N. Harshman

Enclosures

ENH:hmh

cc: Semiannual Report file Nos.: E34, E29, E309, E661
Harshman
OME/DFC (Dual 2)
Chron

EXTRA COPY
O. M. E.
RECEIVED OCT 1958
500

DMEA, REGION III

Statement in Lieu of Semiannual Report

Reporting Period January 1, 1958 to June 30, 1958
Docket and Contract Number
Operator

The project has been inactive during the reporting period ☒

Pertinent data relative to the subject contract has remained unchanged since the last report ☐

Remarks:

Docket	Contract	Operator	County, State	Commodity
~~634~~ 627	E34	Cadwell Mining Company,	Lake County Colorado	Lead-Zinc
606	E29	U. S. Metals Corp.,	San Juan County, Colorado	"
1870	E309	U. S. Metals Corp.,	San Juan County, Colorado	"
3179	E661	T. J. & D. A. Mahoney,	San Juan County, Colorado	Tungsten

Signed Edward W. Buel

Edward W. Buel

Date ~~Oct. 13, 1958~~

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

March 20, 1958

OFFICIAL FILE COPY
DMEA
RECEIVED MAR 24 1958

DATE		CODE
3/24	C	220
24	Com	100
"		110
3/25		400
3/25		500

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 627 (Zinc)
Contract Idm-E 34, Cadwell Mining Co. (Hayden mine)
Lake 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 H Kung
Executive Officer, DMEA
Field Team, Region III

Enclosures
MHM:jy

cc: Semiannual Report File E 34
DMEA,DFC - 2
Harshman
Chron.

DMEA, REGION III

Statement in Lieu of Semiannual Report

Reporting Period	July 1 - December 31, 1957
Docket and Contract Number	Docket DMEA 627 (Zinc) Contract Idm-E34
Operator	Cadwell Mining Co. (Hayden mine) Lake 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:

Equipment is at mine and mine is visited by Peter Peschel regularly. Three men were working until a week ago drilling long holes from the Matchless drift, not on contract. No ore has been shipped during the reporting period from DMEA subordinated part of the mine. A Mr. Maurice Biggs, former superintendent, lives in Buena Vista. Peschel lives in a 2-story white house in the 400 block on 5th St., Leadville.

Signed Earl Belser

Date 2/27/58

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

October 11, 1957

OFFICIAL FILE COPY
DMEA
RECEIVED OCT 14 1957

DATE		CODE
10/14	C	220
10/15	Com	100
10/16	Jwa	500

10/21

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 627 (Lead-Zinc)
Contract Idm-E 34, Cadwell Mining Company (Hayden Shaft), Lake 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

Acting Executive Officer, DMEA
Field Team, Region III

Enclosures

MHM/vj

cc: Semiannual Report File E 34
Royalty File E34
DMEA/DFC (2)
Harshman
Chron.

DMEA, REGION III

STATEMENT IN LIEU OF SEMIANNUAL REPORT

DMEA
DEPARTMENT OF THE INTERIOR
OCT 10 1957
REGION III
DENVER, COLORADO

Reporting Period 1/1/57 to 6/30/57
Docket and Contract Number DMEA Docket 625 - Contract Idm-E34
Operator Cadwell Mining Company

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:

An inspection of the workings in the Hayden shaft was made on October 8, 1957, accompanied by Maurice Biggs, Superintendent.

No work was done on the subordinated claims, Hibernian and May Queen, but the ore bin, cars, and mill ore bin at a flotation mill 3 miles north of the Hayden shaft are filled with ore from the Pittsburg claim, which was to be started that afternoon.

According to Maurice Biggs, Cadwell Mining Company plans to apply shortly for DMEA assistance on further work on the Hibernian claim.

OFFICIAL FILE COPY
DMEA
RECEIVED OCT 14 1957
DATE CODE

Signed W. D. McMillan
W. D. McMillan

Date October 9, 1957

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

224 New Customhouse
Denver 2, Colorado

Date: February 26, 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 627 (Zinc)
Contract Idm-E 34, Cadwell Mining Company (Hayden Mine), Lake 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.

E. N. Harshman

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

Enclosures

MHM/vj
cc: Semiannual Report File E 34
J. F. Shaw (2)
E. N. Harshman
Chron.

OFFICIAL FILE COPY
DMEA
RECEIVED FEB 28 1957

DATE	INITIALS	CODE
3/1	C	220

M

Semiannual Report of Certified Projects

Reporting Period **July 1, 1956, to December 31, 1956**

Docket and Contract Number DMEA 627, Idm-E34

Operator Cadwell Mining Company

Commodity Zinc

Mine Name Hayden mine

County and State Lake County, Colorado

DMEA
DEPARTMENT OF THE INTERIOR
FEB 21 1957
REGION III
DENVER, COLORADO

Date of Contract June 21, 1951 78

Date of Certification December 16, 1954

Expiration Date of Royalty Payments June 28, 1963

Date of Examination for this Report February 20, 1957

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DATE	INITIALS	CODE

Total Amount of Contract $89,922.00

Total Expenditures under Contract $42,659.52

Amount of Government Participation at 50 % $21,329.76

Royalty Payments this Period None

Previous Royalty Payments $1,355.78

Total Royalty Payments to Date $1,355.78

% Loan Repayment Completed 6.36

Amount of Royalty Due None

Royalty Remarks None

	Tons	Analysis
Original Estimate of DMEA Reserves (Field Team Final Report) Mines [X] Survey [ ] Joint [ ]	600	Pb-Zn at $25/ton
Revised Estimate of DMEA Reserves (Field Team) Mines [ ] Survey [ ] Joint [ ]	Unknown	
Increase of Reserves by work performed subsequent to DMEA project work	Unknown	
Production DMEA ore (This period)	None	
(Previous)	do	
(To date)	do	
" Operator's ore (This period)	Unknown	
found subsequent (Previous)	do	
to DMEA work (To date)	do	

Percent Revised Reserves mined _____

(For Uranium Ores Only)

Initial Production Bonus:

Status of Operator: Ineligible [ ] Applied for [ ] Rec'ing pmt [ ] Pd up ____

Pounds U_3O_8 produced this period eligible for Bonus _____

Amount of Bonus paid to Operator this period $_____

Total pounds U_3O_8 produced to date eligible for Bonus _____

Total amount of Bonus paid to Operator to date $_____

Bonus Royalty Paid $_____

Bonus Royalty Due $_____

Investment Data *

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

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

Facilities

Mine Plant Description	Mine Plant Cost	Mill Description	Mill Cost	Roads Description	Roads Cost

Remarks

The operator began work on the Emma claim (not subject to DMEA) during July 1956. He has completed 200 to 300 feet of inclined raises, inclined drifts and raises from which several small shipments of low-grade (?) ore have been made.

Signed Edward W. Buel (Engineer)
Edward W. Buel

*Not obtained

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

REGION III

Building 20
Denver Federal Center
Denver 2, Colorado

DMEA
DEPARTMENT OF THE INTERIOR
FEB 21 1957
REGION III
DENVER, COLORADO

February 20, 1957

APPROVAL FILE COPY
DMEA
RECEIVED MAR 4 1957

DATE	INITIALS	CODE
3-4	C	220
		800
		225

Memorandum

To: Executive Officer, DMEA Field Team, Region III

Through: John F. Shaw
Supervising Mining Engineer

From: E. W. Buel

Subject: Docket DMA 627 (Lead-Zinc), Contract I-DMA-E34, Cadwell Mining Company (Hayden mine) Lake County, Colorado -- Inspection for royalty payments

An inspection of the subject property was made by C. Rose and E. W. Buel, Bureau of Mines, on February 18, 1957. Purpose of the inspection was to determine if the reported ore shipments made by the operator were subject to DMEA royalty provisions.

An examination of the operator's underground workings indicated that all current production has resulted from the Emma claim which is not subject to DMEA royalty payments. This was verified from Messrs. Fay and Kelly of the American Smelting and Refining Company at Leadville, Colorado. Mr. Fay, superintendent of the Leadville smelter, said he was not in a position to release the operator's shipment data. He stated, however, that he thought the data could be obtained from higher authorities of A.S&R.

Production from the subject property, however, is subject to Leadville Drainage Tunnel payments. It was learned from Mr. Fay that the tunnel payments have been withheld pending judicial determination being sought by the operator's lawyer. The operator's lawyer is contesting the Government's right to demand payments for the use of the Leadville Tunnel. The case is scheduled for sometime in May 1957.

Edward W. Buel
Edward W. Buel
Mining Engineer

cc 9
I-DMA-E34
Chron.

EWB:ph

SV O

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OCT 22 1956

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

224 New Customhouse
Denver 2, Colorado

Date: October 18, 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 627 (Zinc)
Contract Idm-E 34, Cadwell Mining Company (Hayden Mine), Lake 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 34
J. F. Shaw (2)
E. N. Harshman
Chron.

DMEA
DEPARTMENT OF THE INTERIOR
OCT 16 1956
REGION III
DENVER, COLORADO

RECEIVED
OCT 22 1956

Semiannual Report of Certified Projects

Reporting Period January 1, 1956 to June 30, 1956

Docket and Contract Number DMEA 627 Idma-X-34

Operator CADWELL MINING COMPANY

Commodity ZINC

Mine Name HAYDEN MINE

County and State LAKE COUNTY, COLORADO

Date of Contract June 28, 1951

Date of Certification December 16, 1954

Expiration Date of Royalty Payments June 28, 1963

Date of Examination for this Report October 10, 1956

Total Amount of Contract $89,922.00

Total Expenditures under Contract $42,659.52

Amount of Government Participation at 50 % $21,329.76

Royalty Payments this Period $116.94 (due in 1955 but paid in 1956)

Previous Royalty Payments $1,238.84

Total Royalty Payments to Date $1,355.78

% Loan Repayment Completed 6.36

Amount of Royalty Due overpaid $0.35

Royalty Remarks

Original Estimate of Reserves (from Final Engr.-Geol. Report): 600 tons lead-zinc ore worth $25.45/ton

Increase of Reserves by work performed subsequent to expiration or termination of contract: Ore reported to extend downwards. 6th level is flooded. No revised estimate.

Revised Estimate of Reserves: No revised estimate made

Production this Period (Ore or Concentrates) None

Amount of Previous Production (since date of contract) 1,315.26 tons worth $22.12/ton

Total DMEA Production to date 1315.26 tons

% of Revised Reserves Mined not known

Production Remarks:

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

Resurection lot 2194 (H-1) shipped 3/26-31/56 had a net value of $712.82 and was shipped from Emma claim. This is only ore shipped in 1956. Present mining is drifting on Emma claim towards Blonger shaft. Carl Lindbloom is forman and has two miners and a hoistman. The company is building a 16- by 44-foot office and change room adjoining the hoisthouse.

Other Remarks:

Signed Carl Belser (Engineer)
Carl Belser
Mining Engineer

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MAY 7 - 1956
RECEIVED
MAY 7 - 1956

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

224 New Customhouse
Denver 2, Colorado

Date: May 4, 1956

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, 1955 through December 31, 1955
DMEA Docket 627 (Zinc)
Contract Idm-E 34 Cadwell Mining Company, (Hayden mine), Lake 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 -- Correct royalty payments to date are as reported by the Region III office ($1,237.04). A refund of $1.80 was made to the operator on the basis of the first royalty audit by the Contract Administration and Audit Division. Copies of correspondence relative to this refund are attached. -to

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

Enclosures
RDB/vj

cc: Semiannual Report File E 34
Royalty File E34
J. F. Shaw (2) w/copy of correspondence (2)
E. N. Harshman
Chron.

627

ACTION ON INTERIM
OR FINAL FIELD TEAM REPORT

Date 5-8

Referred to:

1. ~~Mr. Mittendorf~~
2. ~~Mr. Johnson~~
3. ~~Mr. Chambers~~
4. ~~Docket Control Mails and Files~~
5. ~~Area Unit (Alt) Division~~
6. Docket Control Mails and Files

Note comments in report regarding:

1. Confusing ore reserve picture.
2. Apparently mined 2X orig estimate & has remaining potential
3.
4.

and take appropriate action.

- - - - - - - -

Action taken by Division:
5/14/56 - Apparently the F.I. cannot check an estimate of ore reserves. j.w.a.

Robert E. Adams

Semi-Annual Report of Certified Projects

Reporting Period July 1, 1955 to December 31, 1955

Docket and Contract Number DMA 627 I-DMA-E-34

Operator Cadwell Mining Co.

Commodity Zinc

Mine Name Hayden Mine

County and State Lake County, Colorado

DMEA
Date Rec'd
APR 30 1956
BUREAU OF MINES
Denver, Colorado

Date of Contract June 28, 1951

Date of Certification December 16, 1954

Expiration Date of Royalty Payments June 28, 1963

Date of Examination for this Report April 11, 1956

Total Amount of Contract $89,922.00

Total Expenditures under Contract $42,659.52

Amount of Government Participation at 50 % $21,329.76

Royalty Payments this Period $327.35*

Previous Royalty Payments $911.49

Total Royalty Payments to Date $1,238.84 ($1,237.04 according to regional office)

% Loan Repayment Completed 5.81%

Amount of Royalty Due None

Royalty Remarks *The remainder of the royalty due on the 1955 production ($118.74) was paid in 1956.

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MAY 7 - 1956

Original Estimate of Reserves (from Final Engr.-Geol. Report): 600 tons lead-zinc ore worth $25.45/ton

Increase of Reserves by work performed subsequent to expiration or termination of contract: The discovery ore body reportedly extended to greater depth than originally estimated. The 6th or lower level of the Hayden shaft, along which the additional reserves were developed, was flooded on the date of inspection.

Revised Estimate of Reserves: ?

Production this Period (Ore or Concentrates) 376.76 tons lead-zinc ore worth $25.29/ton

Amount of Previous Production (since date of contract) 937.89 tons lead-zinc ore worth $20.86/ton

Total DMEA Production to date 1,314.65 tons lead-zinc ore worth $22.13/ton

% of Revised Reserves Mined ?

Production Remarks: The property currently is not in production. The operator, however, is performing a small amount of exploration work on the 5th level of the Hayden shaft (just west of the Leadville Drainage tunnel) and ultimately plans to deepen the Hayden shaft and develop the discovery ore body at greater depth.

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

Other Remarks:

Signed R. L. Bolmer (Engineer)

R. L. Bolmer

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MAY 7 - 1955

224 New Customhouse
Denver 2, Colorado

January 6, 1955

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: Docket DMA 627 (Lead-Zinc), Contract I-DMA-E34,
Cadwell Mining Co., Lake County, Colorado

Reference is made to the royalty audit and certificate by the Contract Administration and Audit Division dated December 20, 1954 relative to royalties paid the Government under the subject account.

The royalty audit and certificate indicates that the operator has overpaid the Government the amount of $1.80, therefore we recommend that a voucher be drawn to refund to them that amount.

When the refund has been effected please furnish this office with a copy of your schedule.

W. H. King

JWT:jp
cc Royalty E34
Chron
Harshman
Traver

Refund of 1.80 made to Cadwell Mining Co.
See Schedule Attached
Clerk

17 Nov.
Form approved by
Comp. Gen. U.S.
August 20, 1951

DEPARTMENT OF THE INTERIOR

VOUCHER AND SCHEDULE OF PAYMENTS

Sheet 1 of 1

Bureau or Office
Defense Minerals Exploration Administration

D. O. Voucher No.

Location of Transmitting Office
224 Federal Customhouse
Denver 2, Colo.

Station No. 14-23-040

D. O. Symbol 413

Bu. Schedule No. DMA-55-52

Appropriation Summary: (Symbol and amount)

14X4401 - 1.80

PAID BY

(For use of paying office)

(1) Bureau Voucher No.	(2) Payee, and if necessary address, invoice no., or other identification	(3) AMOUNT	(4) D. O. Check No.
	Cadwell Mining Company 2450 Kendall Street Edgewater, Colorado Contract Idm 2-34 - Refund of Royalty Overpayment	1.80	

Refund made in compliance with request of January 6, 1956. Amount of refund based on Royalty Audit No. 1.

Berk

Pursuant to authority vested in me, I certify that the items listed herein are correct and proper for payment from the appropriation(s) designated.

TOTAL 1.80

1/12/56

(Date) [illegible] (Authorized Certifying Officer)

U. S. GOVERNMENT PRINTING OFFICE

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

RECEIVED
OCT 20 1955

224 New Customhouse
Denver 2, Colorado

October 18, 1955

Memorandum

To: Chairman of the Operating Committee, DMEA

From: Executive Officer, DMEA Field Team, Region III

Subject: Semi-annual report of certified project for the period January 1, 1955 through June 30, 1955 - Docket DMA-627 (Lead-Zinc), Contract Idm-E34, Cadwell Mining Company, Hayden Mine, Lake County, Colorado

Enclosed is one copy of the semi-annual report for the above contract which you requested in your letter dated October 14, 1955.

W. M. Traver

Enclosure

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

DMEA
Date Rec'd.
OCT 6 1955
BUREAU OF MINES
Denver Federal Center
Denver, Colorado

Region III

Building 20
Denver Federal Center
Denver 2, Colorado
October 5, 1955

Memorandum

RECEIVED
OCT 10 1955

To: Executive Officer, DMEA Field Team, Region III

From: John F. Shaw

Subject: Semi-annual report of certified project -- DMA 627, Contract I-DMA-E34 (Lead-zinc) Cadwell Mining Company (Hayden mine) Lake County, Colorado

Enclosed are the original and six copies of the semi-annual report on the subject certified project.

John F. Shaw
Supervising Mining Engineer

Enclosures

cc 6
General
Chron

JFS/cm

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

RECEIVED
OCT 10 1955

SEMI-ANNUAL REPORT OF CERTIFIED PROJECT

Period:	January 1, 1955 to June 30, 1955
Docket No.	DMA 627 Contract I-DMA-E34 (Lead-zinc)
Operator:	Cadwell Mining Company
Name of mine:	Hayden mine
County:	Lake County, Colorado
Date certified:	December 16, 1954
Contract amount:	$89,922.00 Amount spent: $43,140.84
Government participation:	$21,570.42 (less $240.64 paid back for Government's interest in jointly-owned material), or 50 percent. Royalty return due to July 1, 1955 - $911.46

Remarks:

Operations have been carried on at the Hayden mine during the period January 1 to June 30, 1955, with the production of lead-zinc ore as shown in Table I attached. Twelve lots of ore from the Hibernian claim subject to DMEA royalties have been shipped. As of July 1, 1955, DMEA royalties on mine lots H-5 to H-9, inclusive, in the amount of $392.23 have been paid, and royalties on mine lots H-10 to H-15 (including 2 lot Nos. 15 and 2 lot Nos. 12) amounting to $271.81 have not been paid, as shown in Table I. Shipments were checked by examining the records at the Arkansas Valley smelter and the Resurrection mill. The Region III DMEA office has not yet received a copy of the settlement sheet on mine lot H-15, mill lot 5695. Seven lots were shipped to the Resurrection mill of the Resurrection Mining Company and five lots to the Arkansas Valley smelter of the American Smelting and Refining Company. The change from mill to smelter was made because the mill had some difficulty in recovering oxidized silver content in several shipments and requested the operator to suspend shipments until the metallurgy for this type of ore could be worked out. However, the

operator's lessees, Smith and McEachern, did not feel that they could afford to wait, and shipped five lots to the Arkansas Valley smelter. Even though the normal zinc penalty was waived, the smelter shipments returned much less than they would have at the mill because the zinc content was not paid for.

Mine lot numbers H-12 and H-15 were used twice, for two smelter shipments and again for two mill shipments.

The operation was shut down at the end of May 1955, but was resumed on June 17, 1955 with a new lessee, James Roberts of Leadville, who has continued mining on the Hibernian claim.

M. K. Hadobany

Table 1.--Ore shipments from Hibernian claim, Survey 446, Lake County, Colorado
Made by Cadwell Mining Company, DMA 627, Contract I-DMA-E34
Period: January 1, 1955 through June 30, 1955

Mine lot No.	Shipped to 1/	Mill or smelter lot No.	Date of settlement	Net tons (dry)	Contents ounces per ton gold	silver	Percent lead	zinc	Net return subject to royalty	DMEA royalty rate percent	due 4/	Paid as of 7-1-55
H-5	M	5534	1-13-55	25.82	0.02	9.75	6.00	6.80	$ 408.41	5.0	$ 20.42	$ 20.42
H-6	M	5565	1-25-55	55.17	0.02	17.30	7.75	8.40	1,418.06	5.0	70.90	70.90
H-7	M	5590	2-8-55	93.39	0.025	19.10	7.00	10.65	2,468.05	5.0	123.40	123.40
H-8	M	5616	3-8-55	70.80	0.025	12.55	6.15	11.45	1,523.94	5.0	76.20	76.20
H-9	M	5625	3-8-55	80.39	0.025	15.35	7.05	10.80	2,026.21	5.0	101.31	101.31
H-10	M	5651	3-18-55	67.59	0.025	12.75	6.15	13.60	1,537.33	5.0	76.87	
H-11	S	9992	4-9-55	68.53	--	12.3	6.8	13.4	826.26	5.0	41.06	
H-12 3/	S	15	4-9-55	64.44	--	15.6	7.55	14.0	1,002.90	5.0	50.15 2/	
H-13	S	45	4-9-55	66.13	--	9.35	5.2	10.55	416.93	1.5	6.25	
H-14	S	54	4-13-55	56.14	--	10.2	7.2	9.4	633.15	4.5	28.49	
H-15 3/	S	152	5-2-55	38.60	--	9.30	8.2	10.85	473.41 5/	5.0	23.67	
H-15 3/	M	5695	5-10-55	39.47	0.02	8.75	4.75	10.95	610.20	5.0	30.51 5/	
H-12 3/	M	5718	5-25-55	18.71	0.02	9.05	6.25	5.80	296.16	5.0	14.81	
Totals				745.18					$13,641.01		$664.04	$392.23
Previously reported				192.71					4,948.32		247.42	247.42
Totals through 6-30-55				937.89					$18,589.33		$911.46	$639.65

Period	Production Totals: Average assay value: Gold ounces per ton	Silver ounces per ton	Lead percent	Zinc percent	Production in terms of Recoverable metal: Gold ounces	Silver ounces	Lead pounds	Zinc pounds
1-1-55 through 6-30-55	0.02	8.85	5.23	9.24	10.47	8615.19	91,685.8	72,159.0
Prior to 1-1-55	0.025	15.70	8.73	7.86	4.90	2432.32	30,100.6	22,902.0
Production through 6-30-55					15.37	11,047.51	121,786.4	95,061.0

1/ M indicates shipment to Resurrection mill; S, shipment to Arkansas Valley smelter.
2/ Amount due on original and supplementary settlement, mine lot H-12 (smelter).
3/ Mine lot numbers were duplicated on different shipments.
4/ Royalty is computed on net mill or smelter return, less cost of freight, hauling, ore watching, and assaying.
5/ Computed value--settlement sheet not available.

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

224 New Customhouse
Denver 2, Colorado

March 28, 1955

Memorandum

To: Secretary to the Operating Committee

From: Executive Officer, DMEA Field Team, Region III

Subject: Semi-Annual Report - DMA 627, Contract I-DMA-E34 (Lead-Zinc)
Cadwell Mining Company, Lake County, Colorado

Enclosed are four copies of the Semi-Annual Report pertaining to Contract I-DMA-E34.

W. M. Traver

Enclosures

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
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APR - 1 1955

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.: DMA 627 Contract I-DMA-E34 (Lead-zinc)

Operator: Cadwell Mining Company

Name of mine: Hayden mine

County: Lake County, Colorado

Date certified: December 16, 1954

Contract amount: $89,922.00 Amount spent: $43,140.84

Government participation: $21,570.42, or 50 percent
21,329.76

Remarks: Government-assisted exploration was carried on under contract dated June 28, 1951, and was discontinued after November 1952. During the project, a bedded deposit of lead-zinc sulfide ore was discovered from which shipments totaling 192.71 tons having a net value of $4,948.32 were made through April 1954. The ore was all shipped to the custom mill of the Resurrection Mining Company at Leadville, Colorado, and DMEA royalty of $274.42 was paid the Government. The operator continued operation of the property after discontinuing exploration planned for the Government-assisted project, and has mined ore both on the Hibernian and May Queen claims, subject to DMEA royalty, and on the adjoining Pittsburgh claim, not subject to DMEA royalty. All ore from this section of the Fryer Hill Basin, adjacent to the Leadville Drainage Tunnel is also subject to a Leadville Drainage Tunnel royalty. Mining operations on the Hibernian claim are currently in progress, with production of an excellent grade of ore.

Attached is Table 1 showing ore shipments and DMEA royalties due and paid on ore shipped from the Hibernian claim, Survey No. 446, by the Cadwell Mining Company through January 1, 1955. Shipments have been verified by a Bureau of Mines engineer by checking mill records in Leadville.

Since completion of the final project report, the Cadwell Mining Company has purchased for $240.64 the Government's interest in jointly owned material acquired during the project. The agreed price was 50 percent of a bid accepted by the Government. The amount listed as "Government participation" in this report does not take this payment into account. M. W. Salsbury

Table 1.--Ore shipments from Hibernian claim, Survey No. 446, Lake County, Colorado by Cadwell Mining Company, DMA 627, Contract I-DMA-E34

Lot No.	Date	Net tons (dry)	Content: Gold (Ounces per ton)	Content: Silver (Ounces per ton)	Content: Lead (percent)	Content: Zinc (percent)	Net return subject to royalty	*Royalty due	Royalty paid as of 1-1-55
1	7-3-52	55.36	0.03	10.80	7.50	6.50	1,226.51	61.33	Yes
2	9-22-52	41.82	0.025	12.70	10.00	9.20	1,230.33	61.52	Yes
H-1	3-9-54	15.94	0.025	22.40	8.10	8.10	430.64	21.53	Yes
H-2	3-27-54	28.89	0.02	23.05	9.15	9.15	811.53	40.58	Yes
H-3	4-5-54	24.59	0.025	14.65	7.45	7.30	488.05	24.40	Yes
H-4	5-5-54	26.11	0.025	19.65	10.40	7.55	761.26	38.06	Yes
	Total	192.71					$4,948.32	$247.42	

Royalty rate on all shipments was 5 percent of net smelter return, less cost of hauling and control assaying.

Mine Lot H-5 was shipped in December 1954 but was settled and paid for in January 1955 and will be listed in the semi-annual report for the period January 1, 1955, to June 30, 1955.

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

224 New Customhouse
Denver 2, Colorado

May 22, 1953

Memorandum

To: Secretary to the Operating Committee
Defense Minerals Exploration Administration

From: Executive Officer, DMEA Field Team, Region IV

Subject: Docket DMA 627 (Lead-Zinc), Contract I-DMA-E34, Cadwell Mining Company, Lake County, Colorado

Enclosed are three copies of a report for the months of March and April, 1953, relative to the subject contract.

The report is submitted for your general information as to the current status of the project work.

W. H. King

W. H. King

Enclosures

Department of the Interior
Defense Minerals Administration
RECEIVED
MAY 26 1953

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20, Room 137
Denver Federal Center
Denver 14, Colorado
May 18, 1953

Memorandum

To: Executive Officer, Field Team, Region IV

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

Subject: DMA 627, Contract I-DMA-X34 (Lead-zinc), Cadwell Mining Company (Hayden shaft), Lake County, Colorado - Progress report for March and April 1953

Please find enclosed five copies each of the contractor's narratives for March and April 1953 and seven copies each of M. H. Salsbury's memorandums covering inspection of the underground progress for the corresponding months.

According to Salsbury's April progress memorandum, the contractor does not intend to claim reimbursement for the advance of the North drift in March which could be approved. No other work performed during either month is considered allowable.

W. M. Traver

W. M. Traver

enclosures

WMT/eb

cc: 4
X34
DMEA Chron.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20, Room 137
Denver Federal Center
Denver 14, Colorado
May 15, 1953

Memorandum

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

From: M. H. Salsbury

Subject: DMA 627, Contract I-DMA-834 (Lead-zinc), Cadwell Mining Company (Hayden shaft), Lake County, Colorado - Progress report for April 1953

The subject underground inspection was made May 11, 1953. The April narrative submitted by V. L. Phillips, superintendent of the Cadwell Mining Company, was found to be correct.

The long-holes listed in the narrative were not authorized under the contract.

The clean-up in the North drift would probably be allowable as a maintenance expense if the contractor continues work authorized under the exploration agreement. However, Phillips stated to the inspector that the Cadwell Mining Company was not going to claim any reimbursement for advance of the North drift or other work done the last few months.

At the time of the inspection, the face of the North drift was being advanced through a fracture zone in the Peerless formation with a moderate flow of water being developed. The heading is now probably very close to, if not over, the May Queen claim line. No survey has been made in recent months.

for M. H. Salsbury
Mining Engineer

MHS/eb

cc: 6
E34
DMEA Chron.

[illegible] West [illegible] St.
Leadville, Colo.

May 4, 1959

Mr. W. H. Trever, Jr.
United States Bureau of Mines
Building 20, Denver Federal Center
Denver, Colo.

RE: DMA 627, Contract I-DMA-E34,
Cadwell Mining Company, Lake County, Colo.

Dear Sir:

The following is the narrative description to accompany form MT-104 for the month of April.

The 20, 21, 22, and 23rd were spent boring down and cleaning the portal section of the north drift.

The 24, 25, 27, 28, and 29th was spent advancing the north drift 18 feet to a total length of 0.8 feet.

The remainder of the month was spent completing the following long-holes in the drainage tunnel.

T-4	32 ft.	S 64° E	at +35°	In back of the Drainage Tunnel at 0308 ft.	
T-5	30 ft.	N 87° E	at +47°	do	
T-6	40 ft.	S 10° E	at +35°	do	
T-7	34 ft.	S 12° E	at +50°	do	
T-8	44 ft.	S [illegible]° W	at +55°	do	
T-9	103 ft.	S 40° E	at +57°	do	at 0416 ft.
T-10	30 ft.	S 11° E	at +57°	do	
T-11	100 ft.	S 75° E	at +57°	do	

Yours truly,
Cadwell Mining Co.

Vernon L. Phillips

Vernon L. Phillips, Supt.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20, Room 137
Denver Federal Center
Denver 14, Colorado
May 18, 1953

Memorandum

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

From: M. H. Salsbury

Subject: DMA 627, Contract I-DMA-E34 (Lead-zinc), Cadwell Mining Company (Hayden shaft), Lake County, Colorado - Progress report for March 1953

The subject underground progress was inspected April 1, 1953. The March narrative report, as submitted by V. L. Phillips, superintendent of the Cadwell Mining Company, was found to be correct.

Government participation in the advance of the North drift, reported as 22 feet, is authorized under the contract.

None of the other work listed in the narrative is authorized.

Scott W. Hagen
for M. H. Salsbury
Mining Engineer

MHS/eb

cc: 6
E34
DMEA Chron.

304 West 8th St.
Leadville, Colo.

April 3, 1953

Mr. W. H. Traver, Jr.
United States Bureau of Mines
Building 20, Denver Federal Center
Denver, Colo.

Re: DMA 627, Contract I-DMA-E34
Cadwell Mining Company
Lake County, Colorado

Dear Sir:

The following is the narrative description to accompany form MF-104 for the month of March.

The 2nd and 3rd of March were spent timbering the face and core-drill station of the East crosscut. Track was laid in the north drift on the 4th thru the 7th. The North drift was advanced 22 feet during the 16,18, 21,23,24,25,26, and 27th. The remainder of the month was spent putting-up the following long-holes.

T-1	92 ft.	S 36° E	at + 55°	In the back of the Drainage Tunnel at 8425 ft.
T-2	86 ft.	S 15° E	at + 50°	do
T-3	98 ft.	S	at + 40°	do

Multiple north easterly slips and fractures were encountered in the advancement of the North drift. Water is still seaping from the face. We will continue driving the North drift until some idea can be obtained from the broken ground condition.

Yours truly,
Cadwell Mining Co.

Vernon L. Phillips

Vernon L. Phillips, Supt.

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

224 New Customhouse
Denver 2, Colorado

March 19, 1953

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
MAR 20 1953

Memorandum

To: Secretary to the Operating Committee, DMEA

From: Executive Officer, DMEA Field Team, Region IV

Subject: Docket DMA 627, Contract I-DMA-E34, Cadwell Mining Co., Progress Report for February 1953

Enclosed are two copies of a report covering Docket DMA 627, Contract I-DMA-E34, Cadwell Mining Company. This is submitted for your general information as to the current status of the project work.

W. H. King

W. H. King

Enclosures

Region IV

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

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

Memorandum

To: Executive Officer, Field Team, Region IV

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

Subject: DMA 627, Contract I-DMA-E34 (Lead-zinc), Cadwell Mining Company (Hayden shaft), Lake County, Colorado - Progress report for February 1953

Please find enclosed five copies of the above narrative by V. L. Phillips for the contractor, and seven copies of M. H. Salsbury's memorandum covering inspection of the work done.

According to instructions, DMEA will not participate in any of the February operations as they are not authorized by the contract or amendments thereto.

Floyd D. Everett for
W. M. Traver

enclosures

WMT/ob

cc 4
E34
DMEA Chron.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

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

Memorandum

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

From: M. H. Salsbury

Subject: DMA 627, Contract I-DMA-E34 (Lead-zinc), Cadwell Mining Company (Hayden shaft), Lake County, Colorado - Progress report for February 1953

The subject underground progress was inspected March 3, 1953. The February narrative report submitted by V. L. Phillips, superintendent of the Cadwell Mining Company, was found to be correct.

No Government participation in any of the work described is authorized under contract I-DMA-E34.

Russell K. McLellan
for
M. H. Salsbury

MHS/eb

cc 6
E34
DMEA Chron.

[illegible] West [illegible] St.
Louisville, Colo.

March 2, 1963

Mr. [illegible] L. Beaver, Jr.
United States Bureau of Mines
Building 20, Denver Federal Center
Denver, Colo.

Dear Sir:

The following is the narrative description to accompany form IF-204 for the month of February.

From the 1st thru the 16th was spent delving the last crosscut. We have advanced 12 feet.

The last three days was spent moving and installing a compressor.

Yours truly,
Cadwell Mining Co.

Vernon L. Phillips

V. L. Phillips, Supt.

DMA 627, Contract I-DMA-E34
Cadwell Mining Company

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

224 New Customhouse
Denver 2, Colorado

March 19, 1953

Memorandum

To: Secretary to the Operating Committee, DMEA

From: Executive Officer, DMEA Field Team, Region IV

Subject: Docket DMA 627, Contract I-DMA-E34, Cadwell Mining Co., Progress Report for February 1953

Enclosed are two copies of a report covering Docket DMA 627, Contract I-DMA-E34, Cadwell Mining Company. This is submitted for your general information as to the current status of the project work.

W. H. King

W. H. King

Enclosures

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

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

Memorandum

To: Executive Officer, Field Team, Region IV

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

Subject: DMA 627, Contract I-DMA-E34 (Lead-zinc), Cadwell Mining Company (Hayden shaft), Lake County, Colorado - Progress report for February 1953

Please find enclosed five copies of the above narrative by V. L. Phillips for the contractor, and seven copies of M. H. Salsbury's memorandum covering inspection of the work done.

According to instructions, DMEA will not participate in any of the February operations as they are not authorized by the contract or amendments thereto.

Floyd W Everett for
W. M. Traver

enclosures

WMT/cb

cc 4
E34
DMEA Chron.

Region IV

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

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

Memorandum

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

From: M. H. Salsbury

Subject: DMA 627, Contract I-DMA-E34 (Lead-zinc), Cadwell Mining Company (Hayden shaft), Lake County, Colorado - Progress report for February 1953

The subject underground progress was inspected March 3, 1953. The February narrative report submitted by V. L. Phillips, superintendent of the Cadwell Mining Company, was found to be correct.

No Government participation in any of the work described is authorized under contract I-DMA-E34.

Russell R. McLellan
for
M. H. Salsbury

MHS/cb

cc 6
E34
DMEA Chron.

304 West 8th St.
Leadville, Colo.

March 2, 1953

Mr. W. H. Traver, Jr.
United States Bureau of Mines
Building 20, Denver Federal Center
Denver, Colo.

Dear Sir:

The following is the narritive description to accompany form MF-104 for the month of February.

From the 2nd thru the 25th was spent driving the East crosscut. It was advanced 52 feet.

The last three days was spent moving and installing a compressor.

Yours truly,
Cadwell Mining Co.

Vernon L. Phillips

V. L. Phillips, Supt.

DMA 627, Contract I-DMA-E34
Cadwell Mining Company

No Payment

~~Alb~~
~~Gnowold~~
Betty

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

224 New Customhouse
Denver 2, Colorado

February 25, 1953

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: DMEA Docket ~~625~~ 627, Contract Idm-K34 (Lead-Zinc) Cadwell Mining Company, Hayden Shaft, Lake County, Colorado - Operator's Monthly Progress Report, for the period of January, 1953

Enclosed are the original and four copies of Operator's Narrative Report, and Engineer's Report for the above period.

The work reported in the above report is not in conformance with the terms of the contract or its amendments. No payment is claimed.

Remarks:

Date of Report - February 4, 1953
Date Received in Field Office - ?
Date Received in Region Office - February 24, 1953
Date Processed for Payment - February 24, 1953

W. H. King
W. H. King

Enclosure

RDB:oc

cc: Contract
Secretary to the Operating Committee (2)
WMTraver
Chron.

Region IV

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Building 20, Room 137
Denver Federal Center
Denver 14, Colorado
February 18, 1953

Memorandum

To: Executive Officer, Field Team, Region IV

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

Subject: DMA 627, Contract I-DMA-E34 (Lead-zinc), Cadwell Mining Company (Hayden shaft), Lake County, Colorado - Progress report for January 1953

Please find enclosed five copies of the above narrative by V. L. Phillips for the contractor and seven copies of M. H. Salsbury's memorandum covering inspection of the underground progress.

E. W. Lumberg, secretary-treasurer of the Cadwell Mining Company, has been advised verbally that the Government will not participate in any of the work reported in the enclosed narrative. It was also suggested that he submit as soon as possible his proposal for the diamond drilling phase of the project.

W. M. Traver

W. M. Traver

enclosures

WMT/mh

cc 4
E34
DMEA Chrom

Region IV

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Building 20, Room 137
Denver Federal Center
Denver 14, Colorado
February 18, 1953

Memorandum

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

From: M. H. Salsbury

Subject: DMA 627, Contract I-DMA-E34 (Lead-zinc), Cadwell Mining Company (Hayden shaft), Lake County, Colorado - Progress report for January 1953

The subject underground progress was inspected February 10, 1953. The January narrative report submitted by the superintendent of the Cadwell Mining Company, V. L. Phillips, was found to be correct.

Eight long-holes drilled from four stations in the west crosscut are on the Pittsburgh claim, which is not covered by the subject DMEA contract.

Fifteen long-holes drilled from nine stations in the North drift were on property designated in the subject contract. The stated locations, bearings, and vertical angles of the holes mentioned in the narrative were verified by the inspector; the length of the holes was not checked.

On the date of inspection, the East crosscut at 262 feet north of the shaft had been driven 20 feet.

None of the foregoing work is authorized or payment thereon allowable under contract I-DMA-E34, or amendments thereto.

for Scott W. Hagen Jr.
M. H. Salsbury
Mining Engineer

MHS/eb

cc 6
E34
DMEA Chron

304 West 8th St.
Leadville, Colo.

Feb. 4, 1950

Mr. [illegible] H. Trover, Jr.
United States Bureau of Mines
Building 20, Denver Federal Center
Denver, Colo.

Dear Sir:

The following is the narrative description to accompany form MP-104 for the month of January.

The last five days of the month was spent starting an East crosscut from the North drift 302' from the portal. The crosscut was advanced 12 feet.

The first part of the month was spent drilling the following long-holes.

	Length of Hole	Direction	Angle	Location
1	50'	N 70° E	+45°	Back of west crosscut 41' from North Drift.
2	40'	S 10° W	+ [illegible]°	Right rib of West crosscut 65' from North drift.
	34'	S 40° W	+30°	
3	34'	N 80° W	-80°	Right rib of West crosscut 121' from North Drift
4	64'	S 12° E	+80°	
	50'	S 10° E	+ 7°	Face of West crosscut
	64'	N 10° W	+30°	
	32'	S 40° W	-87°	
5	32'	S 40° E	-11°	Right rib of North drift 207' from Portal.
	32'	S 40° E	-15°	
	32'	S 40° E	-15°	
6	64'	S 37° W	+35°	Left rib of North drift 323' from Portal.

7	34'	S 30° E	+35°	Right rib of North drift 347' from Portal.
8	35'	N 45° W	-25°	Left rib of North drift 374' from Portal.
9	34'	S 30° E	+40°	Right rib of North drift 415' from Portal.
10	40'	N 60° W	-30°	Left rib of North drift 515' from Portal.
	24'	N 50° W	-50°	
11	30'	S 38° E	+40°	Right rib of North drift 503' from Portal.
12	44'	N 30° W	-20°	Left rib of North drift 530' from Portal.
	30'	N 50° W	-25°	
	35'	N 65° W	+35°	
13	20'	N	+5°	Face of North drift 544' from Portal.
	18'	N 8° E	+12°	

Yours truly,
Cadwell Mining Co.

Vernon L. Phillips

V. L. Phillips, Supt.

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
FEB 2 1953

224 New Customhouse
Denver 2, Colorado

January 23, 1953

Keating
Betty J

Memorandum

To: Secretary to the Operating Committee

From: Executive Officer, Field Team, Region IV

Subject: DMA Docket 627, Contract Idm-E34, (Lead-Zinc) Cadwell Mining Co., Lake County, Colorado

Enclosed are two copies of the Operator's Monthly Progress Report MF-104 and 104A, Operator's Narrative Report, Inspecting Engineer's Narrative Report, and other supporting data for the month of November, 1952, pertaining to DMA Docket 627, Contract Idm-E34, Cadwell Mining Co., Lake County, Colorado.

W. H. King

W. H. King

Enclosures

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED

FEB 2 1953

January 21, 1953

Progress
Report - November 1952

Cadwell Mining Co.
2450 Kendall St.
Edgewater, Colorado

556.13

20.91

535.22

Depreciation on machinery used
Air Compressor and Receiver were not used on DMEA work during November
Prorated deduction for above $15.59

Four men and supervisor worked in Sept. and amount earned by them was disallowed as not being under DMEA $354.50 - Payroll taxes on this amount should not be claimed. 5.32

$20.91

Any reclaim for deductions made above must be supported by the ORIGINAL of this form.

Very sincerely yours,

R-IV-B & F Form No.

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

224 New Customhouse
Denver 2, Colorado

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
FEB 2 1953

January 15, 1953

Memorandum

To: T. A. Christensen

From: Executive Officer, Field Team, Region IV

Subject: DMA Docket 627, Contract Idm-K34 (Lead-Zinc) Cadwell Mining Co., Lake 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 Form MF-104A, Narrative Report, and Engineer's Report for the above period.

Work has been accomplished as authorized in the contract and payment is recommended for 50 percent of the amount as reported on Form MF-104, contingent on your verification of the correctness of applicable rates and arithmetical accuracy of computations, except for the following deductions.

Air Compressor and Air Receiver not in use on DMEA work during November, 1952.

Prorated deduction = 61.85 x 49.40/195.99 = 15.59

Above amount to be deducted from "Operating Equipment - Depreciation."

Remarks:

Date of Report - December 18, 1952
Date Received in Field Office - December 24, 1952
Date Received in Region Office - January 6, 1953
Date Processed for Payment - January 14, 1953

W. H. King
W. H. King

Enclosures

RDB:oc
cc: Contract
Secretary to the Operating Committee (2)
WMTraver
Chron.

Region IV

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Building 20
Denver Federal Center
Denver 14, Colorado
January 6, 1953

Memorandum

To: Executive Officer, Field Team, Region IV

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

Subject: DMA 627, Contract I-DMA-E34 (Lead-zinc), Cadwell Mining Company (Hayden shaft), Lake County, Colorado - Progress report for November 1952

Enclosed please find five copies of the above progress report, each consisting of forms MF-104 and MF-104A and operator's narrative, and seven copies of a memorandum from M. H. Salsbury, inspecting engineer, covering verification of the underground progress, and of Wilbert L. Dare's memorandum concerning the accounts. One copy each of the payroll, cost distribution sheet, and invoices is attached to the original progress report.

Operations were carried on for only eight days during November and included only track and pipe removal and assistance on the geophysical survey. The accounts are correct within the inspecting engineer's delegated authority to check and the underground operations found as reported in the narrative.

Payment of $278.06, or 50 percent of the total $556.13 claimed by the contractor, is approved subject to Region IV audit.

W. M. Traver, Jr.

W. M. Traver, Jr.

WMT/cb

cc 4
AHKoschmann
E34
DMA Chron.

Region IV

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Building 20
Denver Federal Center
Denver 14, Colorado
January 6, 1953

Memorandum

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

From: M. H. Salsbury

Subject: DMA 627, Contract I-DMA-E34 (Lead-zinc), Cadwell Mining Company (Hayden shaft), Lake County, Colorado - Progress report for November 1952

The subject underground progress was inspected December 8, 1952. No advance was made in the north drift heading.

Work under the exploration contract was confined to removing the track and pipe from the north drift on the tunnel level, assisting the geophysical crew, and replacing the track and pipe.

This work required eight shifts with four men employed, including the superintendent, V. L. Phillips.

There should be a pro rata charge to the exploration project for hoist power, but not for compressor operation or supplies.

Scott W. Hagensh
for M. H. Salsbury
Mining Engineer

MHS/cb

cc 6
AHKoschmann
E34
DMEA Chron

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20
Denver Federal Center
Denver 14, Colorado
January 6, 1953

Memorandum

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

From: Wilbert L. Dare

Subject: DMA 627, Contract I-DMA-E34 (Lead-zinc), Cadwell Mining Company (Hayden shaft), Lake County, Colorado - Progress report for November 1952

The operator worked but a portion of the month on the exploration project conducting underground geophysical tests. Power and equipment depreciation charges have been prorated on the basis of days chargeable to the project. On the reverse side of the payroll sheet the operator has shown the actual number of days that each man worked removing pipe and track and assisting the geophysical testing crew that were directly chargeable to the project.

The operator this month has claimed F.I.C.A. charges for the periods of July, August, September, and November. The F.I.C.A. charge for July was disallowed and those charges for August and September have never been claimed. We are unable to ascertain definitely if the operator has subtracted the F.I.C.A. applicable to the labor disallowance made from the September report.

The amount reported, $556.13, is approved and payment of 50 percent of this amount, or $278.06, is recommended.

Russell R. McLellan
for

Wilbert L. Dare
Mining Engineer

WLD/cb

cc 6
AHKoschmann
E34
DMEA Chron

504 West 8th St.
Leadville, Colo.

December 7, 1952

Mr. W. M. Traver, Jr.
United States Bureau of Mines
Building 20, Denver Federal Center
Denver, Colorado

Dear Sir:

Following is the narrative description to accompany form MP-104 for the month of November, 1952.

There was no advance in the north drift during November. The major portion of the month, with the exception of eight and one-half days, was used to drift toward the Pittsburg property for the American Smelting and Refining Co.

The eight and one-half days were taken to run a two array geophisical test on the north drift. This method requires that all conductors such as pipe and rail must be removed.

Although, we have not received the official interpretation of the test from Newmont Ltd., we do have a set of the graphs. A copy of the graphs and interpretation will be forwarded to you as soon as possible.

Yours truly,
Cadwell Mining Company

V. L. Phillips, Supt.
By [illegible]

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
FEB 2 1953

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of November, 1952 Docket No. DMEA E-34 Contract No. 627
Operator's Name CADWELL MINING COMPANY Minerals Lead & Zinc
Address 2475 Gray Street, Denver 14, Colorado
Contract Amount, $ 89,922.00 Government Participation: 50 % Amount, $ 556.13

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						
(2) Labor and Supervision:						
Labor	217.12	18,591.21	18,808.33			
Supervision	177.85	7,538.78	7,716.63			
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber		1,949.04	1,949.04			
Explosives		1,443.35	1,443.35			
Pipe		455.01	455.01			
Track		828.40	828.40			
Supplies		4,120.83	4,120.83			
Power	23.95	1,761.66	1,785.61			
(4) Operating Equipment:						
Rental						
Purchase	49.40	3,910.91	3,960.31			
Depreciation				33.81		3,944.72
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment		554.72	554.72			
Sampling and Analysis		68.87	68.87			
Payroll Taxes	74.17	292.56	366.73	68.85		361.41
Liability Insurance						
Workman's Compensation	13.64	895.97	909.61			
Transportation		174.31	174.31			
Plowing Road		20.00	20.00			
(8) Contingencies (specify):						
TOTALS	556.13	42,605.62	43,161.75	535.22		43,140.84

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

Date December 18-52 Payee Cadwell Mining Company

Per E. W. Lemley Title Secretary-Treasurer

*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:

$ 267.61

Signature DS
(Authorized Certifying Officer)

Date 1/22/53 Vou. No. 53-85

(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. I-MA-E34 in accordance with the terms of the contract.

Signature M. L. Dare #278.06 WMT Title Mining Engineer Date 1/5/53

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

Signature ..... Title Executive Officer Date JAN 15 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.

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
FEB 2 1953

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of November 195 2 Docket No. DMEA 627 Contract No. E-34
Operator's Name CADWELL MINING COMPANY Minerals Lead & Zinc
Address 2450 Kendall Street, Denver 14, Colorado

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		68.84		24,305.37	821	29.60	1500	31,500.00
Crosscutting				934.48	48	19.50		
Raising				433.80	17	25.52		
Shafts Rehabilitation				10,572.15	200		200	12,000.00
~~Winzes: Geophysics~~ Engineering & Planning		487.29		487.29				
Drilling: Core							52.50	31,500.00
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Drift Rehabilitation				6,428.66	394	17.06		
TOTAL DISTRIBUTED COSTS		556.13		43,161.75				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS								

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 Dec-18-52 Operator Cadwell Mining Comapny

Per R. W. Kinley Title Secretary-Treasurer

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:

(Instructions on reverse)

(For Government use only)

42,659.52
502.23
43,161.75

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

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
DEC 22 1952

224 New Customhouse
Denver 2, Colorado

December 17, 1952

Memorandum

To: Secretary to the Operating Committee

From: Executive Officer, Field Team, Region IV

Subject: Form MF-104, DMA Docket 627, Contract I-DMA-E34 (Lead-Zinc)
Cadwell Mining Company (Hayden Shaft) Lake County, Colo.

Enclosed are two copies of the Operator's Monthly Progress Report MF-104 and 104A, Operator's Narrative Report, Inspecting Engineer's Narrative Report, and other supporting data for the month of October, 1952, pertaining to DMA Docket 627, Contract I-DMA-E34, Cadwell Mining Company.

John F. Shaw
John F. Shaw for
W. E. King

Enclosures

[illegible]
[illegible]
[illegible]

Maintenance and Reference Statement

Date: December 15, 1952
Payee's
Reference: Progress
Report - October 1952

Cadwell Mining Co.
2450 Kendall Street
Edgewater, Colorado

Upon examination of the above Payee's Reference a difference was found which caused the Insurance to adjust your account accordingly:

Amount Claimed $2,372.34

Difference $ 171.50

Amount Approved $2,200.84

The reason for the difference was due to:

McKenna and Roberts worked 3 days on cellar shaft (disallowed by contract)		76.51
Supt. worked on cellar shaft 3 days (disallowed by contract)		65.22
Due to difference in payroll, State comp. Insurance is reduced		4.85
G. L. Smith Lumber Co. - Lumber (not under contract)		14.99
Joe Zaits Serv-U-Station	6.15	
Rio Grande Railroad	3.78 (insufficient documentation	9.93
		$171.50

Any reclaim for deductions made above must be supported by the ORIGINAL of this form.

Very sincerely yours,

N. E. Stokes
Audit Section

R-IV-B & F Form No. 4
4-[illegible]-52 D

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

[illegible] New Customhouse
Denver 2, Colorado

December 10, 1952

Memorandum

To: T. A. Christensen

From: Executive Officer, DMA Field Team, Region IV

Subject: DMA Docket 687, Contract I-DMA-834 (Lead-Zinc) Cadwell Mining Company (Hayden Shaft) Lake County, Colorado - Operator's Monthly Progress Report for the period of October, 1952

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

Work has been accomplished as authorized in the contract and payment is recommended for 50 percent of the amount as reported on Form MF-104, contingent on your verification of the correctness of applicable rates and arithmetical accuracy of computations, except for the following deductions.

Labor, Supervision and Supplies used on work not conformable with the Contract:

(a)	Labor. Two men (McKenna and Roberts) worked 3 days each on shaft collar -	$ 76.51
(b)	Superintendent worked 3 days on shaft collar. 3/23 of $500 =	65.22
(c)	Difference in State Compensation Insurance charges resulting from reduction in total payroll -	4.85
(d)	Supplies under Item 3, Timber - S. L. Smith Lumber Co. invoice -	14.99

Supply items with insufficient documentation:

Joe Zaitz Serv-U-Station invoice -	6.15
Rio Grande Railroad invoice	3.78
Total Deductions -	$171.50

Remarks: Total payroll shown by the operator appears to be wrongly computed. The total by simple addition should be $1706.00, rather than $1606.00.

W. H. King

W. H. King

Enclosures

HKT:oc

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20, Room 137
Denver Federal Center
Denver 14, Colorado
December 4, 1952

Memorandum

To: Executive Officer, Field Team, Region IV

From: Chief, Colorado Branch, Mining Division, Region IV

Subject: DMA 627, Contract I-DMA-E34 (Lead-zinc), Cadwell Mining Company (Hayden shaft), Lake County, Colorado - Progress report for October 1952

Enclosed please find five copies of the above progress report, each consisting of forms MF-104 and MF-104A and operator's narrative, and seven copies of a memorandum from M. H. Salsbury, inspecting engineer, covering verification of underground progress, and of this memorandum concerning the accounts. One copy each of the payroll, cost distribution sheet, and invoices is attached to the original progress report.

The inspecting engineer notes that three men and the superintendent worked for three days improving the shaft collar and recommends disallowance of the labor charge for these three days inasmuch as the amended contract allows such shaft retimbering only from the end of the new timber at the date of the contract to the bottom of the shaft. The operator's narrative states that the hunting season caused absenteeism and the remaining crew performed this work at the collar during this period. The payroll reveals that the entire crew of four men was absent on October 15, 16, and 17, while two of the crew were also absent on October 13, 14, and 18. With this in mind we are assuming that just the two men, McKenna and Roberts, who worked the "three days" of October 13, 14, and 18, worked on improving the shaft collar. The disallowance for the two men amounts to $76.50. The disallowance of the superintendent's wages amounts to 3/24 of $500.00, or $62.50.

We are disallowing the amount of $6.15 shown on the invoice of Joe Laitz for lacking clarification of supplies purchased.

On two invoices, one of Union Supply Company and one of Harry Sinclair Company, the operator has pencilled in transportation charges of $2.02 and $1.76, respectively. Although the operator has included a memorandum from the Rio Grande Railroad there is no charge shown on the memorandum to verify the above two charges. To follow through with the requirements for documentation it is recommended that these two charges also be disallowed.

The total of the recommended disallowances amount to $148.93, which deducted from the total reported, $2,372.34, leaves $2,223.41. Of this sum 50 percent, or $1,111.70, is approved for payment, subject to a check of arithmetical accuracy by Region IV auditors.

Your attention is called to the Administrative Audit Difference Statement dated November 14, 1952, on which the reason for labor disallowance is obviously incorrectly stated. It would appear that it should have stated that the labor disallowance was made because the four men worked on ore production rather than exploration under DMA.

W. M. Traver Jr.

W. M. Traver, Jr.

WMT/cb

cc 6
AHKoschmann
E34
DMEA Chron

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20, Room 137
Denver Federal Center
Denver 14, Colorado
November 14, 1952

Memorandum

To: Chief, Colorado Branch, Mining Division, Region IV

From: M. H. Salsbury

Subject: DSA 627, Contract I-DSA-134 (lead-zinc), Cadwell Mining Company (Hayden shaft), Lake County, Colorado - Progress report for October 1952

The subject underground progress was inspected November 12, in company with V. L. Phillips and the narrative report for October 1952 was found to be correct.

The work of improving the shaft collar mentioned in the narrative probably is not allowable under the contract and should involve disallowance of the time of three men and the superintendent for a period of three days.

Scott W. Hagerty
for M. H. Salsbury,
Mining Engineer

MHS/dk

cc 6
AWKoschmann
34
DSA Curon.

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Budget Bureau No. 42-R1036.3.

DEPARTMENT OF THE INTERIOR
Science & Mineral Administration
RECEIVED
DEC 22 1952

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of October, 1952 Docket No. DMEA 627 Contract No. IDM E-34
Operator's Name CADWELL MINING COMPANY Minerals Lead & Zinc
Address 2475 Gray Street Denver 14, Colorado
Contract Amount, $ 89,922.00 Government Participation: 50 % Amount, $ 2,372.34

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						
(2) Labor and Supervision:						
Labor	1,106.00	17,916.22	19,022.22	1,029.49	17,916.22	18,945.71
Supervision	500.00	7,104.00	7,604.00	434.78	7,104.00	7,538.78
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber	14.99	1,949.04	1,964.03	00	1,949.04	1,949.04
Explosives		1,443.35	1,443.35			
Pipe		455.01	455.01			
Track		828.40	828.40			
Supplies	228.33	3,914.81	4,143.14	218.40	3,914.81	4,133.21
Power	104.55	1,657.11	1,761.66			
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation	259.53	3,651.38	3,910.91			
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment	104.01	450.71	554.72			
Sampling and Analysis		68.87	68.87			
Payroll Taxes		292.56	292.56			
Liability Insurance						
Workmans Compensation	54.93	845.89	900.82	50.08	845.89	895.97
Transportation		174.31	174.31			
Plowing Road		20.00	20.00			
(8) Contingencies (specify):						
				2,200.84	40,771.66	42,972.50
TOTALS	2,372.34	40,771.66	43,144.00		*-336.90	336.90
				2,200.84	40,434.76	42,635.60

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

Date 11-14- Payee Cadwell Mining Co.

Per A. W. Lumby Title Sec & Treas

*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:

$1100.42

Signature
(Authorized Certifying Officer)

Date 12/15/52 Voucher 53-71

(See other side)

* Previous deductions

(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. DMA-534 in accordance with the terms of the contract.

Signature W. D. Prauer, Jr. Title Chief Cole. Br. Date 12/1/54

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature W. H. King Title Executive Officer 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 MF-161A
(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 22 1952

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of October 1952 Docket No. DMEA 627 Contract No. DM-E-34
Operator's Name CADWELL MINING COMPANY Minerals Lead-Zinc
Address 2450 Kendall St. Denver, Colorado

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		237234	60	24,420.41	821	29.76	1500	31,500.00
Crosscutting				1,288.98	48	26.91		
Raising				433.80	17	25.52		
Shafts Rehabilitation				10,572.15	200		200	12,000.00
Winzes								
Drilling: Core							5250	31,500.00
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Drifts Rehabilitation				6,428.66	394	17.06		
TOTAL DISTRIBUTED COSTS		2,372.34		43,144.00				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS								

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 11-12-52 Operator CADWELL MINING COMPANY

Per L. W. Kemberg Title Secretary- Treasurer

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:

(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

407 East 8th Street
Leadville, Colorado
November 1, 1952

Mr. W. M. Traver, Jr.
United States Bureau of Mines
Building 20, Denver Federal Center
Denver, Colorado

Dear Sir:

Following is the narrative description to accompany Form MF-104 for the month of October, 1952.

The north drift was advanced 60 feet N15°E making a total of 596 feet to date. 314 cars of waste were hoisted.

Again the advance was in the poerless shale which in places contains a sprinkling of pyrite. A small fault was crossed at 528 feet which strikes N 40°E and dips 65° to the west. The area near the face is broken and there is a suggestion of shearing parallel to the above described fault.

The heading was not advanced for one week because of absenteeism caused by hunting season. The remaining crew was used to repair the slusher ramp and hoist motor and to build doors at the shaft collar so that the warm, upcast air can be utilized to keep the chute and car on surface from freezing during the winter months.

I am resigning effective today to accept a position with the Rico Argentine Mining Company. The Cadwell Mining Company will be represented in Leadville by Mr. V. L. Phillips whose address is 504 West 8th Street.

Yours truly,
Cadwell Mining Company
R B Patrick
R. B. Patrick, Supt.

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

224 New Customhouse
Denver 2, Colorado

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
Denver
NOV 24 1952

November 20, 1952

Memorandum

To: Secretary to the Operating Committee

From: Executive Officer, Field Team, Region IV

Subject: Form MF-104, DMA Docket 627, Contract I-DMA-E34 (Lead-Zinc) Cadwell Mining Company, Hayden Shaft, Lake County, Colorado

Enclosed are two copies of the Operator's Monthly Progress Report MF-104 and 104A, Operator's Narrative Report, Inspecting Engineer's Narrative Report, and other supporting data for the month of September, 1952, pertaining to DMA Docket 627, Contract I-DMA-E34, Cadwell Mining Company.

for John F. Shaw
W. H. King

Enclosures

U. S. DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
REGION IV

Administrative Audit Difference Statement

Date: November 14, 1952
Payee's
Reference: Progress
Report - September 1952

Cadwell Mining Co.
2475 Gray St.
Denver, Colorado

Upon examination of the above Payee's Reference a difference was found which made it necessary to suspend your account accordingly:

Amount Claimed $2,676.43

Difference $ 366.88

Amount Approved $2,309.55

The reason for the difference was due to:

Insufficient documentation	
U. S. Welding Works Inc.	$ 6.12
Joe Zaits Serv-U-Station	6.26
Four men worked from Sept. 2nd thru 6th on exploration work - not on DMA	354.50
	$366.88

Any reclaim for deductions made above must be supported by the ORIGINAL of this form.

Very sincerely yours,

N. E. Stokes
Audit Section

R-IV-B & F Form No. 4
4-15-52 D

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

[illegible] New Customhouse
Denver 2, Colorado

November 12, 1952

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: DMA Docket 627, Contract I-DMA-234 (Lead-Zinc) Cadwell Mining Company, Hayden Shaft, Lake County, Colorado - Operator's Monthly Progress Report for the period of September, 1952

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

Work has been accomplished as authorized in the contract and payment is recommended for 50 percent of the amount as reported on Form MF-104, contingent on your verification of the correctness of applicable rates and arithmetical accuracy of computations, except for the following deductions.

Amount claimed on invoice from U.S. Welding Works, Inc. (as explained in Traver's memo.)	$ 6.12
Amount claimed on invoice from Joe Katz's (as explained in Traver's memo.)	6.26
Wages of 4 men and supervisor during the period of September 2 through 6.	354.50
	$366.88

It is noted that Traver recommends the disallowance of the amount of $5.39 to Joe Katz's Serv-U-Station but it is felt that he meant the disallowance to be $6.26 inasmuch as the 2 items shown on the invoice are $2.45 and $3.81 and both lack clarification.

The inspecting engineer who visited the operation makes note that the entire crew was engaged in mining ore and no work was carried on under the DMA Contract during the week of September 2 - 6. On his payroll, the operator has shown his entire crew including his supervisor as working during this period on the exploration work for their time is charged to the project. We therefore recommend the disallowance of $254.50 from item (1) Labor, and $100.00 from item (1), Supervision. We arrived at the supervisory disallowance by taking 5/25 of the $500.00 claimed, inasmuch as the actual days worked during the month total 25.

WLD:oc
cc: Contract
Secretary to Oper. Comm. (2)
WMTraver Chron. A. M. Koschmann (2)

W. H. King
W. H. King

Region IV

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Building 20, Room 137
Denver Federal Center
Denver 14, Colorado
November 5, 1952

Memorandum

To: Executive Officer, Field Team, Region IV

From: Chief, Colorado Branch, Mining Division, Region IV

Subject: DMA 627, Contract I-DMA--E34 (Lead-zinc), Cadwell Mining Company (Hayden shaft), Lake County, Colorado - Progress report for September 1952

Please find enclosed five copies of the above progress report--forms MF-104 and MF-104A, with narrative and one copy of the payroll, and cost distribution--and seven copies of a memorandum report by M. H. Salsbury covering inspection of underground progress, and seven copies of this memorandum covering inspection of project costs.

No attempt has been made to check the correctness of the cost distribution to the form MF-104A. It is noted also that making the monthly progress report is complicated by the site of operations being located in Leadville and the accounts carried in Denver, requiring two separate inspections.

According to Region IV auditors, the certified copies of invoices submitted by the operator are acceptable.

Item (3). Operating Materials and Supplies

Of the total $111.86 distributed to supplies, $6.12 to U. S. Welding Works, Inc., and $5.39 to Joe Zaitz's Serv-U-Station lack clarification and are disallowed--total, $11.51.

Item (7). Miscellaneous

State compensation, $60.23, is passed for payment; however, your attention is called to the fact that the certified copy of the invoice calculates the amount paid on $1761.00 instead of the total payroll at the rate of $3.42 per hundred.

The $11.51 disallowed under Item 3 subtracted from the total $2,676.43 claimed by the contractor leaves $2,664.92. Of this sum, $1,332.46 is approved for payment, subject to Region IV audit.

Wm. Traver, Jr.
W. M. Traver, Jr.

enclosures

WMT/eb

cc 6
AHKoschmann
E34
DMEA Chron.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20, Room 137
Denver Federal Center
Denver 14, Colorado
November 5, 1952

Memorandum

To: Chief, Colorado Branch, Mining Division, Region IV

From: M. H. Salsbury

Subject: DMA 627, Contract I-DMA-E34 (Lead-zinc), Cadwell Mining Company (Hayden shaft), Lake County, Colorado - Progress report for September 1952

The subject underground progress was inspected October 1 and 14, 1952, in company with R. B. Patrick, and the narrative report for September was found to be correct.

During the week of September 2 - 6, the entire mine crew was engaged in mining ore and no work was carried on under the DMA contract.

R. L. Bolmer
for M. H. Salsbury,
Mining Engineer

MHS/cb

cc 6
AHKoschmann
E34
DMEA Chron.

407 East 6th Street
Leadville, Colorado
October 2, 1952

Mr. W. M. Traver, Jr.
United States Bureau of Mines
Building 20, Denver Federal Center
Denver, Colorado

Dear Sir:

Following is the narrative description to accompany Form MF-104 for the month of September, 1952.

The North drift was driven N 15°E for 75 feet making a total of 534 feet to date. 454 cars of waste were hoisted. In addition 49 cars of ore were taken from the west crosscut.

The north drift continued in the pink sandy limestone of the Peerless Shale. A small fault was crossed at 520 feet which strikes N 40°E and dips 50° to the northwest. Small spots of pyrite on the walls of the drift for the entire 75 feet.

The ore from the west crosscut was taken from the hanging wall of the fault near the property line and establishes an ore width of 14 feet with a thickness of 1½ feet continuing on to the south. This ore, shipped as lot no. 2, contained 44.8850 tons and settled for Au 0.025, Ag 12.70, Pb 10.0, Zn 9.20.

Yours truly,

Cadwell Mining Company

R. B. Patrick

R. B. Patrick, Supt.

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
NOV 24 1952

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of September 1952 Docket No. DMEA 627 Contract No. I D M -E 34
Operator's Name Cadwell Mining Company Minerals Lead-Zinc
Address 2475 Gray St. Denver 14, Colorado
Contract Amount, $89,922.00 Government Participation: 50 % Amount, $2,676.43

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						
(2) Labor and Supervision:						
Labor	1351.50	16,564.72	17,916.22	1,097.00	16,564.72	17,661.72
Supervision	500.00	6,604.00	7.104.00	400.00	6,604.00	7,004.00
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber	182.21	1,766.83	1,949.04			
Explosives	70.00	1,373.35	1,443.35			
Pipe		455.01	455.01			
Track		828.40	828.40			
Supplies	111.86	3,815.72	3,927.58	99.48	3,815.72	3,915.20
Power	133.35	1,523.76	1,657.11			
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation	259.53	3,391.85	3,651.38			
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment		450.71	450.71			
Sampling and Analysis	7.75	61.12	68.87			
Payroll Taxes		292.56	292.56			
Liability Insurance						
State Compensation	60.23	785.66	845.89			
Transportation		174.31	174.31			
(8) Contingencies (specify):						
Plowing Road		20.00	20.00			
TOTALS	2,676.43	38,108.00	40,784.43	2,309.55	38,108.00	40,417.55
					* 12.79	12.79
				2,309.55	38,095.21	40,404.76

I certify that the above bill is correct and just and that payment therefor has not been received.
Date 10-15-52 *Payee Cadwell Mining Company
Per [signature] Title Secretary-Treasurer

*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:

$ 11,54.77

Signature [signature]
(Authorized Certifying Officer)
Date 11/18/52 Vou. No. DMA 53-61
(See other side)

* Erroneously brought forward by operator

(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. DMA-E34 in accordance with the terms of the contract.

Signature W. M. Traver, Jr. #1332.46 Title Chief, Pub. Br. Date 11/4/57

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.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT 24 1952

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of September 195 2 Docket No. DMEA 627 Contract No. LDM - E 34

Operator's Name Cadwell Mining Company Minerals Lead-Zinc

Address 2450 Kendall St. Denver 14, Colorado

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		2208.09	75	22060.84	761	2899	1500	31,500.00
Crosscutting		468.34	10	1288.98	48	2691		
Raising				433.80	17	2552		
Shafts Rehabilitation				10572.15	200		200	12,000.00
Winzes								
Drilling: Core							5250	31,500.00
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails						1632		
Drift Rehabilitation				6428.66	394	1706		
TOTAL DISTRIBUTED COSTS		2676.43		40,784.43				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS								

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 10-15-52 Operator Cadwell Mining Company

Per R. W. Lumley Title Secretary-Treasurer

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:

(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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
NOV 3 1952

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

Denver 2, Colorado

November 3, 1952

Memorandum

To: Secretary to the Operating Committee

From: Executive Officer, Field Team, Region IV

Subject: Form MF-104, DMA Docket 627, Contract I-DMA-E34 (Zinc)
Cadwell Mining Co., Lake County, Colorado

Enclosed are two copies of the Operator's Monthly Progress Report MF-104 and MF-104A, Operator's Narrative Report, Inspecting Engineer's Narrative Report, and other supporting data for the month of August, 1952, pertaining to DMA Docket 627, Contract I-DMA-E34, Cadwell Mining Co.

W. H. King
W. H. King

Enclosures

U. S. DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
REGION IV

Administrative Audit Difference Statement

Date: October 29, 1952
Payee:
Reference: Progress Report - August 1952

Cadwell Mining Co.
2450 Kendall St.
Edgewater, Colorado

Upon examination of the above Payee's Reference a difference was found which made it necessary to suspend your account accordingly:

Amount Claimed	$2,845.67
Difference	$1,685.40
Amount Approved	$1,160.27

The reason for the difference was due to:

Joe Zaitz Serv-U-Station does not list the supplies purchased on August 2 and 16, 1952.	5.30
U. S. Welding Works Inc., does not list supplies purchased August 13, 1952.	7.47
See Attached	1,672.62
	1,685.40

Any reclaim for deductions made above must be supported by the ORIGINAL of this form.

Very sincerely yours,

N. E. Stokes
Audit Section

R-IV-B & F Form No. 4
4-11-52 D

Audit Disallowances

1951

	During Audit	
July		
Purchases Prior to Contract		
Repairs	66.47	
Tools	116.24	
Supplies	182.98	
Pipe	810.36	
Workmen's Compensation Insurance Applicable to April, 1951	44.00	
Total Costs incurred prior to Contract date of 6/28/52	$1220.05	
Supplies (returned mdse.)	4.33	
Supplies (no invoices)	4.60	
Supplies (Net Sales Tax on Company equip)	9.51	
Transportation on Company equipment under depreciation schedule	60.00	
Transportation (No Invoice)	2.09	
Insurance on Compressor	2.70	
Salary paid to Sec. & Treasurer	50.00	
Total Exceptions June		$1353.28
August		
Long Distance phone call	5.72	
Insurance on Compressor	2.70	
Prepaid Freight & Sales Tax applicable to Company equipment on Depreciation Schedule	16.15	
Total Exceptions August		$ 24.57
September		
Overcharge workmen's compensation insurance	85.44	
Insurance on Compressor	2.70	
Total Exceptions September		$ 88.14
October		
Insurance on Compressor	2.70	
Travel Expense Mine Super.	19.60	
Total Exceptions October		$ 22.30
November		
Insurance on Compressor	2.70	
Property Insurance	97.55	
Personal item charged to Supplies	5.61	
Total Exceptions November		$ 105.86
December		
Overcharge-Workmen's Compensation Insurance	8.54	
Insurance-Compressor	2.70	
Total Exceptions, December		$ 11.24

1952

January

Overcharge Workmen's Compensation Insurance	4.63	
Insurance-Compressor	2.70	
Total Exceptions-January		$ 7.33

February

Overcharge Workmen's Compensation Insurance	2.26	
Insurance-Compressor	2.70	
Total Exceptions February		4.96

March

Overcharge Workmen's Compensation Insurance	4.12	
Insurance, Compressor	2.70	
Total Exceptions - March		6.82

April

Overcharge Workmen's Compensation Insurance	9.95	
Supplies: No invoice	3.12	
Insurance-Compressor	2.70	
Total Exceptions - April		15.77

May

Overcharge Workmen's Compensation Insurance	6.83	
Insurance-Compressor	2.70	
Supplies: no invoice	7.31	
Total Exceptions - May		16.84

June

Overcharge Workmen's Compensation Insurance	9.32	
Supplies: No invoices	6.20	
Total Exceptions - June		15.52

TOTAL EXCEPTIONS FOR PERIOD OF JUNE 28, 1951 THROUGH JUNE 30, 1952 $1,672.63

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Mining Division
Region IV

October 21, 1952

Memorandum

To: T. A. Christensen

From: Acting Chief, Mining Division, Region IV

Subject: DMA Docket 627, Contract I-DMA-234 (Kinc) Cadwell Mining Co., Lake County, Colorado - Operator's Monthly Progress Report for the period of August, 1952

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

Work has been accomplished as authorized in the contract and payment is recommended as reported on Form MF-104, contingent on your verification of the correctness of applicable rates and mathematical accuracy of computations, except for the following deductions:

August Report		
*Joe Zietz billing	$5.30	
*U. S. Welding	7.47	
Total		$12.77

*Inadequate documentation

**Audit Disallowances, (Report of September 3, 1952)	1672.63
Total Deductions	$1685.40

**Itemized as follows:

Audit Disallowances

July	During Audit
Purchases Prior to Contract	
Repairs	$ 66.47
Tools	116.24
Supplies	182.98
Pipe	810.36
Workmen's Compensation Insurance Applicable to April, 1951	44.00
Total costs incurred prior to Contract date of 6/26/52	$1220.05

Supplies (returned mdse.)	4.33	
Supplies (no invoices)	4.60	
Supplies (Net Sales Tax on Company equipment)	9.51	
Transportation on Company equipment under depreciation schedule	60.00	
Transportation (No Invoice)	2.09	
Insurance on Compressor	2.70	
Salary paid to Sec. & Treasurer	50.00	
Total Exceptions June		$1353.28
August		
Long Distance phone call	5.72	
Insurance on Compressor	2.70	
Prepaid Freight & Sales Tax applicable to Company equipment on Depreciation Schedule	16.15	
Total Exceptions August		$24.57
September		
Overcharge workmen's compensation insurance	85.44	
Insurance on Compressor	2.70	
Total Exceptions September		$ 88.14
October		
Insurance on Compressor	2.70	
Travel Expense Mine Super.	19.60	
Total Exceptions October		$22.30
November		
Insurance on Compressor	2.70	
Property Insurance	97.55	
Personal item charged to Supplies	5.61	
Total Exceptions November		$105.86
December		
Overcharge-Workmen's Compensation Insurance	8.54	
Insurance-Compressor	2.70	
Total Exceptions, December		$11.24
1952		
January		
Overcharge Workmen's Compensation Insurance	4.63	
Insurance-Compressor	2.70	
Total Exceptions-January		7.33
February		
Overcharge Workmen's Compensation Insurance	2.26	
Insurance-Compressor	2.70	
Total Exceptions February		4.96

March		
Overcharge Workmen's Compensation Insurance	$4.12	
Insurance, Compressor	2.70	
Total Exceptions - March		$ 6.82
April		
Overcharge Workmen's Compensation Insurance	9.95	
Supplies: No invoice	3.12	
Insurance-Compressor	2.70	
Total Exceptions - April		15.77
May		
Overcharge Workmen's Compensation Insurance	6.83	
Insurance-Compressor	2.70	
Supplies:- no invoice	7.31	
Total Exceptions - May		16.84
June		
Overcharge Workmen's Compensation Insurance	9.32	
Supplies:-No invoices	6.20	
Total Exceptions - June		15.52
TOTAL EXCEPTIONS FOR PERIOD OF JUNE 28, 1951 THROUGH JUNE 30, 1952		$1,672.63

W. H. King

W. H. King

Enclosures

JWT:oc

cc: Contract
Secretary to the Operating Committee (2)
WMTraver
Chron.
AHKoschmann (2)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

XXXXXXXXXXXXXX

Region IV

Room 137, Building 20
Denver Federal Center
Denver 14, Colorado
October 16, 1952

Memorandum

To: Executive Officer, Field Team, Region IV

From: Chief, Colorado Branch, Mining Division, Region IV

Subject: DMA 627, Contract I-DMA-E34 (Lead-zinc), Cadwell Mining Company (Hayden shaft), Lake County, Colorado - Progress report for August 1952

Please find enclosed five copies of the above progress report, forms MF-104 and MF-104A (second revision), with narrative and one copy of the payroll, seven copies of a memorandum report by M. E. Salsbury covering inspection of underground progress, and seven copies of this memorandum covering inspection of project costs.

In this second revision, the contractor has separated and shown on his distribution of cost form the amounts applicable to the project and to other. However, it is noted no distribution was made of supervision.

You may or may not consider the certified copies of invoices acceptable, except those from the Public Service Company of Colorado and the Union Supply Company. It is a matter of interpretation by your staff and the Audits and Accounts Section as to whether documentation is sufficient.

An item of $1.71 to Case Company for stationery is passed as Exhibit A allows for office expense.

Two charges as supplies--$7.47 to U. S. Welding Works, Inc., and $5.39 to Joe Zaitz Serv-U-Station--are disallowed because they lack clarification.

Your attention is called to the fact that $0.75 of the payment to Resurrection Mining Company charged as explosives is for drill steel repair, and $6.29 of the King and East Machinery Corporation invoice should be charged to transportation rather than supplies.

Disallowances totaling $12.77 deducted from the $2,845.67 claimed leave $2,832.90. Of this sum, $1,416.45, or 50 percent, is approved for payment, subject to a decision at the Region IV level on documentation.

enclosures
WMT/mmh

cc 6
AEKoschmann
E34, DMA Chron.

W. M. Traver, Jr.

W. M. Traver, Jr.

REGIONAL DIRECTOR

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

~~224 NEW CUSTOMHOUSE~~
~~DENVER 2, COLORADO~~

Region IV

Building 20
Denver Federal Center
Denver 14, Colorado

September 24, 1952

Memorandum

To: Chief, Colorado Branch, Mining Division, Region IV

From: M. H. Salsbury

Subject: DMA 627, Contract I-DMA-E34 (Lead-zinc), Cadwell Mining Company (Hayden shaft), Lake County, Colorado - Underground progress report for August 1952

The subject underground progress was inspected September 8 in company with R. B. Patrick and the narrative report for August was found to be correct. The raise noted in the narrative as being 23.5 feet above the rail was actually driven 17 feet.

On August 29 and 30, the crew was employed in constructing a trestle and ore bin, and the labor, materials, and overhead for this work should be accounted for in the distribution of August expenses.

R. L. Bolmer
for M. H. Salsbury
Mining Engineer

MHS/baw

cc 6
AHKoschmann
E34
DMEA Chron.

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.

CERTIFIED
Defense Minerals Administration
RECEIVED
NOV 3 1952

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of August, 1952 Docket No. DMEA 627 Contract No. I.D.M. E-34
Operator's Name Cadwell Mining Company Minerals Lead & Zinc
Address 2475 Gray St, Denver 14, Colorado
Contract Amount, $89,922.00 Government Participation: 50 % Amount, $2,845.67

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						
(2) Labor and Supervision:						
Labor	1,058.71	18,024.65	19,083.36			
Supervision	500.00	3,654.00	4,154.00			
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber		309.00	309.00			
Explosives	259.75	1,206.35	1,466.10			
Pipe						
Track						
Supplies	456.00	7,367.13	7,823.13	443.23	7,367.13	7,810.36
Power	128.55	1,395.21	1,523.76			
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation	259.53	3,139.32	3,398.85			
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment	123.86	211.36	335.22			
Sampling and Analysis		61.12	61.12			
Payroll Taxes		412.00	412.00			
Liability Insurance						
State Compensation	50.40	910.35	960.75			
Ins. Compressor		127.25	127.25			
(8) Contingencies (specify):						
Transportation	8.87	247.13	256.00			
				2,832.90	37,064.87	39,897.77
					*- 92.40	92.40
					*- 37.53	37.53
				1,672.63		**1,672.63
TOTALS	2,845.67	37,064.87	39,910.54	1,160.27	36,934.94	38,095.21

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

Date 9-15-52 *Payee Cadwell Mining Company

Per [signature] Title Secretary-Treasurer

*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.

AD

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:

$580.13

Signature [signature]
(Authorized Certifying Officer)

Date 10/30/52 Vou. No. 53-55

(See other side)

* Previous Disallowances
** In accordance with Auditor's Report of 9/3/52

(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. 1-DMA-E34 in accordance with the terms of the contract.

Signature W. M. Traver, JR 14164 Title Chief, Col & Br Date 10/16/57

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.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
NOV 0 1952

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of August 195 2 Docket No. DMEA 627 Contract No. I.D.M. E-34
Operator's Name Cadwell Mining Company Minerals Lead & Zinc
Address 2450 Kendall St, Denver 14, Colorado

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		2,411.87	80	19,930.51	686	2905	1500	31,500.00
Crosscutting				823.34	38	2167		
Raising		433.80	17	433.80	17	2552		
Shafts Rehabilitation				12,000.00	200	6000	200	12,000.00
Winzes								
Drilling: Core							5250	31,500.00
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Drift Rehabilitation				6722.89	394	1706		
TOTAL DISTRIBUTED COSTS		2,845.67		39,910.54				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc								
TOTAL COSTS								

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 9-15-52 Operator Cadwell Mining Company

Per R. W. Kendall Title Secretary-Treasurer

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

407 East 8th Street
Leadville, Colorado
September 2, 1952

Mr. W. M. Traver, Jr.
United States Bureau of Mines
Building 20, Denver Federal Center
Denver, Colorado

Dear Sir:

Following is the narrative description to accompany form MF-104 for the month of August 1952.

The north drift was driven N 15° E for 80' making a total of 459 feet to date. At apoint 392 feet from the beginning a raise was driven to a point 23.5 feet above the rail ∠70° . 481 cars of waste were hoisted.

The advance was again through the pink sandy limestone of the Peerless Shale. At 392 feet a small mineralized fissure striking E-W and dipping 85° to the north was crossed. It contains ⅛" of galena, sphalerite and ~~galena~~ pyrite. A small raise was driven on it on the east side of the drift at an inclination of 70° 23.5 feet above the rail. The mineralization increased near the back of the raise where it was cut off by a gray porphyry sill conforming to the bedding.. It was hoped that a manto orebody might occur below the upper shale member of the Peerless. The porphyry occurs below the shale however. An 8 foot hole was drilled in the back but did not go through the porphyry so the raise was stopped.

Three small mineralized, parallel fissures were crossed from 432 to 437 feet striking N 60°E and dipping 60° to the north. Another mineralized fissure was found at 447 feet approximately parallel in strike and dip to the others. The fissures are very small but the mineralization is well defined. The limestone is bleached in this area. The bedding generally strikes a few degrees east of the drift and dips 20° to east. In general appearance it looks more encouraging than it has for sometime.

A trestle and plat were built to provide a means of handling the ore mined in the west crosscut by Mr. Phillips with a hitch cutter during the past several weekends. This ore will be cleaned out and enough more broken to make a 40 or 50 ton shipment.

This trestle and plat were not charged to the Contract Idm-E34.

Yours truly,

Cadwell Mining Company

R. B. Patrick

R. B. Patrick, Supt.

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT 13 1952

Das

Betty

224 New Customhouse
Denver 2, Colorado

October 8, 1952

Memorandum

To: Secretary to the Operating Committee
Defense Minerals Exploration Administration

From: Executive Officer, DMEA Field Team, Region IV

Subject: Form MF-104, DMA Docket 627, Contract I-DMA-E34 (Lead-Zinc), Cadwell Mining Company (Hayden Shaft), Lake County, Colorado

Enclosed are two copies of the Operator's Monthly Progress Report Form MF-104 and Form MF-104A, Operator's Narrative Report, Inspecting Engineer's Narrative Report, and other supporting data for the month of July, 1952, pertaining to DMA Docket 627, Contract I-DMA-E34, Cadwell Mining Company.

John F. Shaw
For W. H. King

Enclosures

U. S. DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
REGION IV

Administrative Audit Difference Statement

Date: October 2, 1952
Payee's
Reference: Progress
Report - July 1952

Caldwell Mining Co.
2450 Kendall Street
Edgewater, Colorado

Upon examination of the above Payee's Reference a difference was found which made it necessary to suspend your account accordingly:

Amount Claimed	$2,490.09
Difference	$ 36.53
Amount Approved	$2,453.56

The reason for the difference was due to:

Invoice from Joe Zaitz should be clarified	8.73
Charles A. Fitzsimmons, stamped envelopes are considered overhead expense and not chargeable to the Government	1.82
Payroll taxes can be reclaimed when supported by quarterly report	25.98
	36.53

Any reclaim for deductions made above must be supported by the ORIGINAL of this form.

Very sincerely yours,

N. E. Stokes
Audit Section

R-IV - B & F Form No. 4
4-15-52 D

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Mining Division
Region IV

September 30, 1952

Memorandum

To: T. A. Christensen

From: Acting Chief, Mining Division, Region IV

Subject: DMA Docket 627, Contract I-DMA-434 (Lead-Zinc), Cudwell Mining Company (Hayden Shaft), Lake County, Colorado - Operator's Monthly Progress Report, for the period July 1952

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

Work accomplished is in accordance with the contract and payment is recommended as follows contingent upon arithmetical accuracy and correctness of all rates which are a basis for payment.

Total reported		$2490.09
Less		
Amount on Joe Zaits invoice (as explained in Traver's letter)	$ 8.73	
Stamped envelopes (Gen. Overhead)	1.82	
Payroll taxes, until supported by copy of quarterly report	25.98	36.53
		$2453.56
Government participation - 50 percent		$1226.78

John F. Shaw

John F. Shaw, for
W. H. King
Executive Officer
DMRA Field Team, Region IV

Enclosures

WLD: fwe
cc: Sec.Oper.Comm(2),Traver,Contract,Koschmann(2),Chron

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20
Denver Federal Center
Denver 14, Colorado

September 22, 1952

Memorandum

To: Executive Officer, Field Team, Region IV

From: Chief, Colorado Branch, Mining Division, Region IV

Subject: DMA 627, Contract I-DMA-E34 (Lead-zinc), Cadwell Mining Company (Hayden shaft), Lake County, Colorado - Progress report for July 1952

Please find enclosed five copies of the above progress report, forms MF-104 (revised) and MF-104A, with proper documentation, seven copies of M. H. Salsbury's memorandum covering the underground progress, and seven copies of R. L. Bolmer's memorandum covering checking of the forms MF-104 and MF-104A.

An item of $1.82 for stamped envelopes paid the U. S. postmaster is interpreted as corporation overhead and cannot be paid, and it is my opinion the total $8.73 to Joe Zaits should be disallowed pending clarification of both the balance of $3.51 and current purchases of $5.22. Thus, my disallowances would total $10.55 which, deducted from $2,490.09 claimed by the contractor, leaves $2,479.54. Of this sum, $1,239.77, or 50 percent, is approved for payment.

It is assumed you will take care of disallowing payroll taxes.

Bolmer disallows $3.51 and approves payment of $1,243.29 as shown in his memorandum.

W. M. Traver, Jr.

W. M. Traver, Jr.

Enclosures

WMT/bam

cc 4
AHKeschmann
E34
DMEA Chron.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20
Denver Federal Center
Denver 14, Colorado

September 24, 1952

Memorandum

To: Chief, Colorado Branch, Mining Division, Region IV

From: R. L. Bolmer

Subject: DMA 627, Contract I-DMA-E34 (Lead-zinc), Cadwell Mining Company (Hayden shaft), Lake County, Colorado - Forms MF-104 and MF-104A for July 1952

I have gone over the forms MF-104 (revised) and MF-104A of the Cadwell Mining Company for July 1952. The costs claimed for reimbursement this period appear to be in order. The supply and service charges claimed are considered necessary and do not appear excessive. The charges itemized conform with the provisions of the contract. All charges are properly documented except those covered by an invoice from Joe Zaits in the amount of $8.73. Of this, $3.51 is an unitemized balance and, therefore, can not be claimed.

Project costs totaling $2,486.58 are approved. Payment of 50 percent of the approved costs, or $1,243.29, is recommended.

R. L. Bolmer

R. L. Bolmer
Mining Engineer

RLB/bam

cc 6
AHKaschmann
E34
DMEA Chron.

REGIONAL DIRECTOR

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

22 NEW CENTRAL HOUSE
DENVER 2, COLORADO

Region IV

Building 20
Denver Federal Center
Denver 14, Colorado

September 22, 1952

Memorandum

To: Chief, Colorado Branch, Mining Division, Region IV

From: M. H. Salsbury

Subject: DMA 627, Contract I-DMA-E34 (Lead-zinc), Cadwell Mining Company (Hayden shaft), Lake County, Colorado - Underground progress report for July 1952

An inspection of the underground workings of the Hayden shaft was made and R. B. Patrick's narrative report was found to be correct except that the word "east" used to describe the crosscut should be changed to "west".

R. L. Bolme
for M. H. Salsbury
Mining Engineer

MHS/bam

cc 6
AHKoschmann
E34
DMEA Chron.

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
OCT 13 1952

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of JULY, 1952 Docket No. DMEA 627 Contract No. LDM - E 34
Operator's Name CADWELL MINING COMPANY Minerals Lead-Zinc
Address 2475 Gray St. Denver 14, -Leadville, Colorado
Contract Amount, $89,922.00 Government Participation: 50 % Amount, $2,501.39

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
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Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor	1,290.75	16,733.90	18,024.65			
Supervision	500.00	3,154.00	3,654.00			
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber		309.00	309.00			
Explosives	141.75	1,064.60	1,206.35			
Pipe						
Track						
Supplies	130.33	7,236.80	7,367.13	119.78		7,356.58
Power	133.35	1,261.86	1,395.21			
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation	259.53	2,879.79	3,139.32			
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment	9.16	202.20	211.36			
Sampling and Analysis		61.12	61.12			
Payroll Taxes	25.98	386.02	412.00	00		386.02
Liability Insurance						
Workmens Comp.	58.60	852.35	910.35			
Ins. Compensation		127.25	127.25			
(8) Contingencies (specify):						
Transportation	1.24	245.89	247.13			
				2,453.56	34,574.78	37,028.34
TOTALS	2,490.09	34,574.78	37,064.87		*- 92.40	*- 92.40
				2,453.56	34,482.38	36,935.94

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

Date 8-12-52 *Payee Cadwell Mining Company

Per [signature] Title Secretary-Treasurer

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(Instructions on reverse)

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

$1226.78

Signature [signature]
(Authorized Certifying Officer)

Date 10/2/52 Vou. No. DMA 53-42
(See other side)

* Previous deductions

(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-84 in accordance with the terms of the contract.

Signature R. R. Bolmer $1,243.29 Title Mining Engineer Date Sept. 22, 1952

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE $1226.78

Signature John F. Shaw for W. H. King Title Executive Officer Date 9-30-52

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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.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT 13 1952

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of July 195 2 Docket No. DMEA 627 Contract No. IDM - E 34
Operator's Name Cadwell Mining Company Minerals Lead- Zinc
Address 2450 Kendall, Denver 14, Colorado

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		2,490.09	96	17,518.64	606	28.91	1500	31,500.00
Crosscutting				823.34				
Raising								
Shafts Rehabilitation				12,000.00	200	6.00	200	12,000.00
Winzes								
Drilling: Core							5250	31,500.00
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Drift Rehabilitation				6,722.89	394	17.06		
TOTAL DISTRIBUTED COSTS		2,490.09	96	37,064.87				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS								

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 July 15-52 Operator Cadwell Mining Co

Per C. W. Kunkley Title Sec & Treas

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:

(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

407 East 8th Street
Leadville, Colorado
August 1, 1952

Mr. W. M. Traver, Jr.
United States Bureau of Mines
Building 20, Denver Federal Center
Denver, Colorado

627-E 34

Dear Sir:

Following is the narrative description to accompany form MF-104 for the month of July, 1952.

The north drift was advanced N15°E for 96 feet making a total of 379 feet to date. 576 cars of waste were hoisted during the month.

All of the advance was through a pink sandy limestone with thin green shale partings. The strike is generally N40°E and dipping 20° to the east except for a portion from 350 to 365 feet which strikes N15°E and dips 30° to the east. From 280 to 320 feet is a minor shear zone striking N55°E and dipping 70° to the northwest. There is no sign of the fault exposed in the face of the east crosscut although it projects to the zone of shearing. Three small faults are evident between 350 and 370 feet striking N30°W and dipping 70° to the southwest. There is no discernable displacement vertically on them. There is no mineralization except for random spots of pyrite and galena in the limestone all along the distance driven this month.

The lot of ore shipped last month settled for Au 0.03, Ag 10.80, Pb 7.50, Zn 6.50 and contained 55.3615 tons. I have received a letter from B. B. Greenlee, Assistant Manager, Resurrection Mining Company, stating that the government royalties will be witheld until the royalty percentages are actually fixed.

Yours truly,

Cadwell Mining Company

Roger B. Patrick

Roger B. Patrick, Supt.

Distribution for July

Vender	Date	Invoice	Amount	Supplies	Power	Rentals	Repair	Payroll Tax	Workmans Comp	Explosives	Supervision	Labor	Transportation
Rentals	July		259.53			259.53							
Public Service	24		133.35		133.35								
Rio Grande	2		1.24										1.24
Resurrection	6	553	141.75							141.75			
Workmans Comp	July		58.00						58.00				
Postage	"		1.82	1.82									
Gambles	18	66134-22	1.81	1.81									
Gambles	28	66177-31	4.19	4.19									
[illegible]S Welding Co.	25		11.17	11.17									
[illegible]ite	1-		8.73	8.73									
Leadville Standard	July		1.05	1.05									
Union Supply	"	27112	96.70	96.70									
Union Supply	24	27812	4.86	4.86									
F.I.C.A.	July	-	25.98					25.98					
Joe Misento	"		3.25				3.25						
Union Supply	28	27855	4.69				4.69						
Ther Tool	17	945305	1.22				1.22						
Labor	July		1230.75									1230.75	
Supervision	"		500.00								500.00		
			2490.09	130.33	133.35	259.53	9.16	25.98	58.00	141.75	500.00	1230.75	1.24

Supplies	130.33
Power	133.35
Rentals	259.53
[illegible]air	9.16
Payroll Tax	25.98
Workmans Comp	58.00
Explosives	141.75
Supervision	500.00
Labor	1230.75
Transportation	1.24
	2490.09

JULY 1952

CADWELL MINING COMPANY

Allowable Monthly Depreciation on Equipment Purchased.*-

1 Bench Grinder	150.00	2.50
4 Ore Cars (375.00 each)	1500.00	25.00
Cage 1	1700.00	28.33
1 Air Compressor	3500.00	58.33
1 Slusher Hoist	1102.00	18.37
1 Shaft Hoist	5500.00	91.66
1 Jack Hammer	345.00	5.75
1 Water Pump	520.00	8.67
1 Jack Leg	195.00	3.25
1 Air Receiver	210.00	3.50
1 Blower Complete with motor	550.00	9.17
1 Truck (Ford-Stake-bed)	250.00	5.00
	15,522.00	259.53

Certified Transcript

By E. W. Lumley

DISTRIBUTION

Drifting 96 feet for July 1952

Labor	1730.75
Supplies	130.33
Power	133.35
Repair	9.16
Depreciation	259.53
Payroll Tax	25.98
Workmans Compensation	58.00
Explosives	141.75
Transportation	1.24
	2490.09

Certified Transcript

SHEET NO. _____ PAYROLL FOR CADWELL MINING COMPANY FOR PERIOD ENDING July 19 52

	NO.	NAME	DEP'T.	1 S 16	2 M 17	3 T 18	4 W 19	5 T 20	6 F 21	7 S 22	8 23	9 S 24	10 M 25	11 T 26	12 W 27	13 T 28	14 F 29	15 S 30	31	HOURS WORKED REG. TIME	OVERTIME @1½	OVERTIME @2	TOTAL	RATE AMT.	RATE PER	EARNINGS WAGES	BONUS	OTHER COMPENSATION Rate Per Day	AMT.	TOTAL	DEDUCTIONS O. A. B.	FED. TAXES	PAY ADVANCES			
1		J. F. Lane	Miner	8	8	8		8		8	8	8	8		8		8	8		88	8															1
2				8	8	8	8		8	8	8	8	8	8		8	8	8	8	112	8	17.00	200	1.50		300 00	312 00	12.00			4 68	52 00			255 32	2
3		H. Mc Kenna	Shaft-man	8	8	8		8		8	8	8	8	8	8		8	8		96	8															3
4				8	8	8	8		8	8	8	8	8	8		8	8	8	8	112	16	14.50	208	1.25		338 00	357 50	13.00			5 37	37 80			314 33	4
5		J. H. Roberts	Hoist-man	8	8	8		8		8	8	8	8	8	8		8	8		96	8															5
6				8	8	8	8		8	8	8	8	8	8		8	8	8	8	112	16	17.25	208	1.37½		299 00	316 25	11.50			4 75	41 00			270 50	6
7		V. L. Phillips	Topman	8	8	8				8	8	8	8	8	8		8	8		88																7
8				8	8	8			8	8	8	8	8	8		8	8	8	8	104	8	5.00	192	1.25		240 00	245 00	10.00			3 68	15 60			225 72	8
9		R. B. Patrick	Supt.	8	8	8		8		8	8	8	8	8	8		8	8		96																9
10				8	8	8	8		8	8	8	8	8	8		8	8	8	8	112			208			500 00	500 00				7 50	68 60			423 90	10
11																						6.75				1677 00	1730 75				2598	315 00			1489 77	11
12																																				12
13																																				13
14																																				14
15				Wages paid shown on the above payroll																																15
16				are those prevailing in the Leadville District.																																16
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36																																				36
		TOTAL																																		

PAYROLL FOR ______ PERIOD ENDING ______ 19__ SHEET NO. ______

	DEDUCTIONS			PAID		DISTRIBUTION															COMPENSATION INSURANCE					
	MISCELLANEOUS		TOTAL	AMOUNT	CHECK NO.														MISCELLANEOUS		PAYROLL AT STRAIGHT TIME	DISTRIBUTION				
	DETAIL	AMT.																	DETAIL	AMT.						
1																										1
2																										2
3																										3
4																										4
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IMPERIAL PUBLISHING CO. FORM 100

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

224 New Customhouse
Denver 2, Colorado

September 3, 1952

Memorandum

To: Secretary to the Operating Committee

From: Executive Officer, Field Team, Region IV

Subject: Form MG-104, DMA Docket 627, Contract I-DMA-E34, Cadwell Mining Company, Lake County, Colorado

Enclosed are two copies of the Operator's Monthly Progress Report Form MF-104, Operator's Narrative Report, Inspecting Engineer's Narrative Report and other supporting data for the month of June, 1952, pertaining to DMA Docket 627, Contract I-DMA-E34, Cadwell Mining Company.

W. H. King
W. H. King

Enclosures

U. S. DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
REGION IV

Administrative Audit Difference Statement

Date: August 25, 1952
Payee's
Reference: Progress Report, June, 1952

Cadwell Mining Co.
2450 Kendall Street
Edgewater, Colorado

Upon examination of the above Payee's Reference a difference was found which made it necessary to suspend your account accordingly:

Amount claimed $2,606.43

Difference $ 18.73

Amount Approved $2,587.70

The reason for the difference was due to:

Fire Insurance	9.60
Control Clock (not covered by contract)	6.43
Insurance on compressor not allowable inasmuch as Government is paying depreciation on this equipment.	2.70
	18.73

Any reclaim for deductions made above must be supported by the ORIGINAL of this form.

Very sincerely yours,

N. E. Stokes
Audit Section

R-IV - B&F Form No. 4
5-1-51 - 1M

Mining Division
Region IV

August 14, 1952

Memorandum

To: T. A. Christensen

From: Acting Chief, Mining Division, Region IV

Subject: DMA Docket 627, Contract I-DMA-E34, Cadwell Mining Company, Lake County, Colorado - Operator's Monthly Progress Report for the period of June 1952

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

Work accomplished is in accordance with the contract and payment is recommended for the amount of $1,295.20, which is 50 percent of the total of $2,590.40, which reflects disallowances of $9.60 for fire insurance and $6.43 for the control clock.

W. H. King
W. H. King

Enclosures

WLD:jp
cc: Secretary to the Operating Committee (2)
WMTraver
AHKaschmann (2)
Contract
Chron

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20, Room 187
Denver Federal Center
Denver 14, Colorado
August 4, 1952

Mining Division
Date Rec'd.
AUG 5 - 1952
BUREAU OF MINES
Denver, Colorado

Memorandum

To: Executive Officer, Field Team, Region IV

From: Chief, Colorado Branch, Mining Division, Region IV

Subject: DMA 627 (Lead-Zinc), Contract I-DMA-E34, Cadwell Mining Company (Hayden shaft), Lake County, Colorado - Progress report for June 1952

Please find enclosed five copies of the above progress report on the new forms MF-104 (revised) and MF-104A, with narrative, payroll, and other required documentation, and seven copies of a memorandum report by M. H. Salsbury covering inspection of the underground progress and seven copies of my memorandum on the accounts.

Reflecting a disallowance of $16.03, reducing the contractor's claim from $2,606.43 to $2,590.40, payment is approved of $1,295.20, or 50 percent of the latter amount.

W. M. Traver, Jr.

W. M. Traver, Jr.

enclosures

WMT/amh

cc: 4
AHKoschmann
E34
DMRA Chron.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20, Room 137
Denver Federal Center
Denver 14, Colorado
August 4, 1952

Memorandum

To: Chief, Colorado Branch, Mining Division, Region IV

From: W. M. Traver, Jr.

Subject: DMA 627 (Lead-Zinc), Contract I-DMA-K34, Cadwell Mining Company (Hayden shaft), Lake County, Colorado - Progress report for June 1952

M. N. Salsbury checked the underground progress July 7, 1952, and his memorandum report is attached.

Accounts were checked at the Colorado Branch office by R. D. Berkenkotter and W. M. Traver, Jr., and were found documented in conformance with administrative rulings and allowed by contract or amendments except as otherwise noted below.

It will be necessary to require some changes by the contractor in July and subsequent reports, especially on form MF-104A. No attempt was made to verify cumulative units or costs on the June report.

Item 2, Labor and Supervision, totaling $1,686.50, correct in amount. Regular and overtime for J. F. Lane are reported incorrectly by $20.00 but it does not affect the total.

Item 3, Operating Materials and Supplies, correct except Supplies, $85.60, which includes $61.43 paid Ryall Electric Company for a clock to control a battery lamp charger. In the absence of coverage for such equipment in the contract or amendments, this amount is disallowed.

Item 4, Operating Equipment:
Depreciation: $259.53, correct and supported by a certified list. It is incorrectly typed in the space for equipment purchased.

Item 7, Miscellaneous:

Repairs to Equipment reported as $105.06 should be $105.19 as a result of an error in addition. No correction suggested.

Liability insurance, $9.60 paid Farm Mutual Automobile Insurance Company for fire insurance on the truck used on the project, is disallowed in accordance with most recent instructions. Compressor insurance of $2.70 is on a purchase contract and allowed.

Item 8, Contingencies (specify):

Transportation, $2.24, from two invoices to Rio Grande Motor Way, Inc., actually totaling $2.82, is incorrect, but no change is suggested.

The contractor, on his payroll sheet, has distributed labor charges for drifting and crosscutting for entry on the MF-104A form, on a shifts-worked basis. If this procedure is correct the remainder should be distributed in a like manner as follows:

Total claimed	$2,606.43
Disallowance	16.03
	$2,590.40
Labor and Supervision	1,686.50
	$ 903.90

Total shifts, 121: crosscutting, 38; drifting, 83.

83/121 x $903.90 = $620.03 drifting

38/121 x $903.90 = $283.87 crosscutting

$903.90

	Drifting	Crosscutting		
Labor	$1,146.18	$540.32		
All other	620.03	283.87		
Total	$1,766.21	$824.19	-	$2,590.40
				16.03
			Claimed	$2,606.43

Payment of $1,295.20, or 50 percent of the total $2,606.43 claimed less $16.03 disallowed, is approved.

W. M. Traver, Jr.

W. M. Traver, Jr.

WMT/amh
cc 6
AHKoschmann
E34
DMA Chron.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20, Room 137
Denver Federal Center
Denver 14, Colorado
August 4, 1952

Memorandum

To: Chief, Colorado Branch, Mining Division, Region IV

From: M. H. Salsbury

Subject: DMA 627 (Lead-Zinc), Contract I-DMA-E34, Cadwell Mining Company (Hayden shaft), Lake County, Colorado - Progress report for June 1952

The subject Hayden operations were inspected July 7, 1952, and the narrative report by R. B. Patrick covering June 1952 work is correct except that it is not clear that the crosscut driven toward the west side line at 233 feet from the tunnel lateral is 28 feet long and the short crosscut driven to the east at 268 feet is 2 feet long, making a total of 30 feet of crosscutting. Total development for the month is 65 feet.

Scott W Hagerty
for M. H. Salsbury
Mining Engineer

MHS/amh

cc 6
AHKoschmann
E34
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 June, 1952 Docket No. DMEA 627 Contract No. IDME 34

Operator's Name CADWELL MINING COMPANY Minerals Lead and Zinc

Address Leadville, Colo. -- 2450 Kendall, Denver 14, Colo.

Contract Amount, $89,922.00 Government Participation: 50 % Amount, $2,606.43

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						
(2) Labor and Supervision:						
Labor	1,186.50	15,607.40	16,793.90			
Supervision	500.00	2,654.00	3,154.00			
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber	79.96	229.04	309.00			
Explosives	117.25	947.35	1064.60			
Pipe						
Track						
Supplies	85.60	7,157.63	7,243.23	79.17	7,157.63	7,236.80
Power	142.95	1.118.91	1,261.86			
(4) Operating Equipment:						
Rental						
Purchase	259.53	2,620.26	2,879.79			
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment	105.06	97.14	202.20			
Sampling and Analysis	22.75	38.37	61.12			
Payroll Taxes	25.29	360.73	386.02			
Liability Insurance	9.60		9.60			
Workmens Compensation	67.00	785.35	852.35			
Ins. Compressor	2.70	127.25	129.95	---	127.25	127.25
(8) Contingencies (specify):						
Transportation	2.24	243.65	245.89			
TOTALS	2,606.43	31,987.08	34,593.51	2,587.70	31,893.68	34,481.38

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

Date 7-15-52 *Payee CADWELL MINING COMPANY

Per E. Lumberg Title Secretary-Treasurer

*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:

$ 1293.85

Signature [illegible] (Authorized Certifying Officer)

Date 8/26/52 Vou. No. DMA 53-25

(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. I-DMA-E34 in accordance with the terms of the contract.

Signature W. M. Graves, Jr. Title Chief, Colorado Branch, Mining Div., Reg. IV Date August 4, 1952

$1295.20

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE

1295.20

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 ME-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 627 Contract No. IDM-E 34
Operator's Name CADWELL MINING COMPANY Minerals Lead and Zinc
Address 2450 Kendall Denver 14, Colo--Leadville, Colorado

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		1,759.47	35	15,023.66	510	29.46	1500	3,1500.00
Crosscutting		846.96	30	846.96	30	28.23		
Raising								
Shafts Rehabilitation				12,000.00	200	60.00	200	12,000.00
Winzes								
Drilling: Core							5250	31,500.00
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Drift Rehabilitation				6,722.89	394	17.06		
TOTAL DISTRIBUTED COSTS		2,606.43	65	34,593.51				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS								

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 7-15-52 Operator CADWELL MINING COMPANY

Per C. W. Lumley Title Secretary-Treasurer

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: 40 feet of timber installed in drifting.

(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

407 East 8th Street
Leadville, Colorado
July 1, 1952

Mr. W. E. Traver, Jr.
United States Bureau of Mines
Building 20, Denver Federal Center
Denver, Colorado

Dear Sir:

Following is the narrative description to accompany form MF-104 for the month of June, 1952.

The north drift was driven 35 feet N 15° E making a total advance in this heading of 283 feet to date. Forty feet of this drift was timbered and 30 feet of crosscut was driven from it. 200 cars of waste and 81 cars of ore were hoisted.

A 28 feet crosscut was driven from a point 233 feet from the beginning of the north drift N 75°W. The face is very close to the west side line of the May Queen claim. This crosscut exposes the bedded ore which is about 2-1/2 feet thick in the face with the top of it at the back of the drift. It is cut off at the face by a small post-mineral normal fault striking N 32°E and dipping 83° to the east. No further work was done because of the proximity of the sideline.

The muck from this drift was sacked and shipped to the Resurrection Mill. The lot has not been settled but will weigh about 55 tons and will contain 10 oz. Ag and 15% combined lead and zinc in about equal amounts. The dilution figure is at least 60%.

It was necessary to timber the drift through the shaly portion of the Fourless. Eight inch native timber was used to make up sets with 7 foot posts and 5 foot caps on 5 foot centers.

Upon completion of this work the drift face was advanced again. It is in a hard, reddish limestone. A few spots of ore were exposed on the east side of the drift so a starter round was shot in the side 268 feet from beginning. This exposed a small manto 1-1/2 feet in diameter parallel to the drift and running along it for about 25 feet on the bedding. Three 8 foot holes were drilled from the breast of this crosscut without encountering ore so it was abandoned.

About three feet above and below this manto are two 6 inch sills of black explosion breccia containing angular fragments of limestone and porphyry. The appear to be crosscutting upward through the bedding at a small angle.

At Mr. Salsbury's request I am enclosing an extra copy of this report.

Yours truly,

Cardwell Mining Company
R. B. Patrick
R. B. Patrick, Supt.

DATE PAYABLE _____ PAGE _____

PAY ROLL FOR PERIOD June 1 19 52 TO June 30 19 52

MADE IN U.S.A

WILSON JONES FORM 686-40

	NO.	TIME WORKED DAYS	TIME WORKED HOURS	RATE PER	EARNINGS REGULAR	EARNINGS EXTRA FOR OVERTIME	EARNINGS TOTAL	DEDUCTIONS O. A. B.	DEDUCTIONS WITH-HOLDING TAX	DEDUCTIONS BONDS	NET PAID AMOUNT	NET PAID CHECK NO.	TAXABLE EARNINGS	
Hugh McKenna	1	25			325.00	26.00	351.00	5.27	37.00		308.73			Shaftman (timberman)
J. H. Roberts	1	25			287.50	23.00	310.50	4.65	40.20		265.65			Hoistman
					264.00	6.00								
J. F. Lane	1	22			244.00	26.00	270.00	4.05	42.60		223.35			Miner
V. L. Phillips	1	24			240.00	15.00	255.00	3.82	17.80		233.38			Topman
R. B. Patrick	1	25			500.00		500.00	7.50	68.60		423.90			Supt.
					1596.50	90.00	1686.50	25.29	206.20		1455.01			
					1616.50	70								

Wage Rates shown on the above payroll are those prevailing in the Leadwille District

Certified Transcript

By R. W. Kemberg

CUT LEAF METHOD: Write names on left hand page and cut off Supplementary Sheets at this line.

PAGE _____ DATE PAYABLE _____

PAY ROLL FOR PERIOD 19 TO 19

NAME	Exempt'n Class	NO.	TIME WORKED DAYS	TIME WORKED HOURS	RATE PER	EARNINGS REGULAR	EARNINGS EXTRA FOR OVERTIME	EARNINGS TOTAL	DEDUCTIONS O. A. B.	DEDUCTIONS WITH-HOLDING TAX	DEDUCTIONS BONDS	NET PAID AMOUNT	NET PAID CHECK NO.	TAXABLE EARNINGS
AMOUNTS FORWARDED														

CADWELL MINING COMPANY

For distribution for the month JUNE 1952

	North Drift					West X Cut				
Date	Miner	Mucker	Hoistman	Topman	Supt.	Miner	Mucker	Hoistman	Topman	Supt.
1										
2	1	1	1	1	1					
3	1	1	1	1	1					
4	1	1	1	1	1					
5	1	1	1	1	1					
6						1	1	1	1	1
7							1	1	1	1
8										
9						1	1	1	1	1
10						1	1	1	1	1
11							1	1	1	1
12						1	1	1	1	1
13						1	1	1	1	1
14						1	1	1	1	1
15										
16	1	1	1	1	1					
17	1	1	1	1	1					
18	1	1	1	1	1					
19	1	1	1	1	1					
20	1	1	1	1	1					
21	1		1	1	1					
22										
23	1	1	1	1	1					
24	1	1	1	1	1					
25	1	1	1	1	1					
26	1	1	1	1	1					
27	1	1	1	1	1					
28		1	1	1	1					
29										
30	1	1	1	1	1					
31										
	16	16	17	17	17	6	8	8	8	8

	X Cut	Drift	X Cut	Drift	Total	O.A.B.	Withholding Tax	Overtime
J. F. Lane	6	16	73.64	196.36	270.00	4.05	42.60	6.00
V. L. Phillips	8	16	85.00	170.00	255.00	3.82	17.80	15.00
Hugh McKenna	8	17	112.32	238.68	351.00	5.27	37.00	26.00
J. H. Roberts	8	17	99.36	211.14	310.00	4.65	40.20	23.00
R. B. Patrick	8	17	170.00	330,00	500.00	7.50	68.60	
	38	83	540.32	1146.18	1686.50	25.29	206.20	70.00

Certified Copy by L. W. Lumley

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

224 New Customhouse
Denver 2, Colorado

July 25, 1952

Memorandum

To: Secretary to the Operating Committee
Defense Minerals Exploration Administration

From: Executive Officer, Field Team, Region IV

Subject: Form MF-104, DMA Docket 627, Contract I-DMA-E34 (Lead-Zinc), Cadwell Mining Company, Lake County, Colorado

Enclosed are two copies of the Operator's Monthly Progress Report Form MF-104, Operator's Narrative Report, Inspecting Engineer's Narrative Report, and other supporting data for the period of May 1952, pertaining to DMA Docket 627, Contract I-DMA-E34, Cadwell Mining Company.

W. H. King

W. H. King

Enclosures

July 22, 1952

Progress
Report, May 1952

Cadwell Mining Co.
2450 Kendall Street
Edgewater, Colorado

Upon examination of the above Payroll Tax Report, a discrepancy was found which has to be corrected your account accordingly.

Amount claimed $ 2,744.21

Minimum $ .50

Amount Approved $ 2,743.71

The reason for the difference is as follows

Overcharge Payroll taxes Total should be $27.26

Any credit for deduction made above must be supported by the ORIGINAL of this form.

Very truly yours,

N. E. Stokes
Audit Section

[illegible] Form No. 4
[illegible]

Mining Division
Region IV

July 16, 1952

Memorandum

To: T. A. Christensen

From: Acting Chief, Mining Division, Region IV

Subject: DMA Docket 627, Contract I-DMA-E34 (Lead-Zinc), Cadwell Mining Company, Lake County, Colorado - Operator's Monthly Progress Report, for the period of May 1952

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

Work accomplished is in accordance with the contract and payment is recommended for the amount of $1,371.85, which is 50 percent of the total of $2,743.71, which reflects a deduction of $0.50 overcharge of payroll tax.

The report is passed for payment in the absence of complete documentation in the prescribed form as charges and invoices were verified by the inspecting engineer. Subsequent reports will necessarily be supported with complete documentation.

W. H. King
W. H. King

Enclosures

JWT:fwe

cc: Sec. Oper. Comm. (2)
Traver
Contract
Koschmann (2)
Chron

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20
Denver Federal Center
Denver 14, Colorado

July 7, 1952

Memorandum

To: Acting Chief, Mining Division, Region IV

From: Chief, Colorado Branch, Mining Division, Region IV

Subject: DMA 627 (Lead-zinc), Contract I-DMA-E34, Cadwell Mining Company, Lake County, Colorado - progress report for May 1952

Please find enclosed five copies of the subject progress report made out on the new forms MF-104 (revised) and MF-104A, including five copies of narrative, payroll, and rental list, and one copy only of invoices certified by E. W. Lumberg, secretary-treasurer of the contractor, by initial. Also enclosed are seven copies of M. H. Salsbury's memorandum report covering inspection of the underground progress and accounts.

Payment is approved of $1,371.85, or 50 percent of the corrected sum.

W. M. Traver, Jr.

W. M. Traver, Jr.

Enclosures

WMT/bam

cc: 4
AHKoschmann
E34
DMEA

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20
Denver Federal Center
Denver 14, Colorado

July 7, 1952

Memorandum

To: Chief, Colorado Branch, Mining Division, Region IV

From: M. H. Salsbury

Subject: DMA 527 (Lead-zinc), Contract I-DMA-E34, Cadwell Mining Company, Lake County, Colorado - progress report for May 1952

The subject underground progress was inspected June 10 with R. B. Patrick and found to be 128 feet as reported in the narrative. Cumulative and current units of progress are correct as shown on the MP-104A forms.

Accounts were inspected July 3, 1952. Expenditures, with exceptions noted, were verified by invoice.

Item 2, Labor: $1,317.75 is correct and verified by the attached payroll.

Supervision: $500.00 is correct and verified by the attached payroll.

Item 3, Operating Materials and Supplies:
Explosives - $107.00 is correct.
Supplies charged as $268.68 should more correctly be $261.92 as it includes a charge of $6.76 by Custom Machine Company considered as repairs to equipment under Item 7, Miscellaneous.
Power - $166.95 is correct.

Item 4, Rental: $259.52 is correct and supported by rental list attached to MP-104 forms.

Item 7, Miscellaneous:
Repairs to equipment - $11.53 should be $18.29, reflecting the addition of $6.76 explained under Item 3, Supplies.
Payroll taxes - $27.76 should be $27.26 to make the net paid and total earnings on the payroll conform. It is evidently an error in the typing. There is also a $0.03 error in the pay of V. L. Phillips which will probably be considered by the audits section.
Workmen's compensation - $69.00 is correct.
Insurance compressor - $2.70 is correct.

Item 8, Transportation: $2.82 is correct.

Lumberg did not check the accounts personally with the examiner, and statements on compensation insurance, compressor insurance, and F. I. C. A. payments were not seen by the examiner. The amounts paid check with the payroll amount or with like charges on previous months.

Lumberg should again be advised that the accounts as presented will not conform with the procedure required starting with the June MF-104 report. He should furnish the following with future reports.

(a) Certification on all invoices or copies of invoices stating that the material has been received, signed by the appropriate official.

(b) Statements covering workmen's compensation, fire insurance, F. I. C. A., or any item on which no invoice is submitted, all certified as in (a).

(c) Payroll forms showing daily time distribution.

(d) A distribution sheet with breakdown of costs showing how distribution on form MF-104A is arrived at.

The last two, (c) and (d), will be needed when more than one operation is being carried on and the procedure might as well be established.

Payment of $1,371.85, or 50 percent of the $2,743.71 claimed by the contractor, is approved.

Lotta Hagen
for M. H. Salsbury

MHS/bam

cc: C
AHKoschmann
E34
DMEA

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 May, 1952 Docket No. DMEA 627 Contract No. I D M -E 34
Operator's Name CADWELL MINING COMPANY Minerals Lead-Zinc
Address Leadville, Colorado-2452 Kendall St. Denver 14, Colorado)
Contract Amount, $ 89,922.00 Government Participation: 50% Amount, $ 2,744.21

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						
(2) Labor and Supervision:						
Labor	1,317.75	14,289.65	15,607.40	1,317.75	14,289.65	15,607.40
Supervision	500.00	2,154.00	2,654.00	500.00	2,154.00	2,654.00
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber		229.04	229.04		229.04	229.04
Explosives	107.00	840.35	947.35	107.00	840.35	947.35
Pipe						
Track						
Supplies	268.68	6,888.95	7,157.63	268.68	6,888.95	7,157.63
Power	166.95	951.96	1,118.91	166.95	951.96	1,118.91
(4) Operating Equipment:						
Rental	259.52	2,360.74	2,620.26	259.52	2,360.74	2,620.26
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment	11.53	85.61	97.14	11.53	85.61	97.14
Sampling and Analysis	10.50	27.87	38.37	10.50	27.87	38.37
Payroll Taxes	27.76	333.47	361.23	27.26	333.47	360.73
Liability Insurance						
Workmans Compensation	69.00	716.35	785.35	69.00	716.35	785.35
Ins. Compressor	2.70	124.55	127.25	2.70	124.55	127.25
(8) Contingencies (specify):						
Transportation	2.82	240.83	243.65	2.82	240.83	243.65
TOTALS	2,744.21	29,243.37	31,987.58	2,743.71	29,243.37	31,987.08

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

Date 6-20-52 *Payee CADWELL MINING COMPANY

Per R. W. Lemberg Title Secretary-Treasurer

*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:

$

Signature
(Authorized Certifying Officer)

Date 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. IDME 31 in accordance with the terms of the contract.

Signature W. R. Lahmy (371 85) Title Mining Engineer Date 7/3/52

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).

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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).

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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.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
JUL 8 1952

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 May 1952 Docket No. DMEA 627 Contract No. I DM-E 34
Operator's Name CADWELL MINING COMPANY Minerals Lead-Zinc
Address Leadville Colo. (2452 Kendall St. Denver 14, Colo)

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		2,744.21	128	13,264.69	475	27.93	1500	31,500.00
Crosscutting								
Raising								
Shafts Rehabilitation				12,000.00	200	60.00	200	12,000.00
Winzes								
Drilling: Core							5250	31,500.00
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Drifts Rehabilitation				6,722.89	394	17.06		
TOTAL DISTRIBUTED COSTS		2,744.21	128	31,987.58				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS								

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 6-20-52 Operator CADWELL MINING COMPANY

Per E. W. Lumberg Title Secretary-treasurer

→ 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:

(Instructions on reverse)

(For Government use only)
DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUL 28 1952

Schedule DMA-53-12
July 22, 1952
1371.85

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

107 East 6th Street
Leadville, Colorado
June 2, 1952

Mr. W. M. Sawyer, Jr.
United States Bureau of Mines
Denver Federal Center
Denver, Colorado

Dear Sir:

Following is the narrative description to accompany form MF-104 for the month of May, 1952.

The north drift was continued N15°E for 123 feet during the month making the total to date 243 feet. 761 cars of waste were hoisted during the month.

The Manitou limestone in the face on May 1, 1952 continued to a point 145 feet from the Hayden lateral where gray porphyry was encountered. The contact strikes N 60°E and dips 30° southeast. The drift continued in porphyry for 60 feet and then went into Fearless shale 205 feet from the Hayden lateral. This contact is irregular but strikes approximately N 65°E and dips 50° to the southeast.

The Fearless shale in the remainder of the drift has almost the same strike as the drift with a dip of 20° to the east. It consists of thin bedded limestone with black shale partings and beds of black shale up to 6 inches thick. The shale beds are crumpled in places and the limestone beds are badly broken in places making and angle of 30° with the adjacent bed. We are probably in the upper portion of the Fearless.

Ore was encountered in the bottom of the drift from 217 to 242 feet from the Hayden lateral. It reached a maximum height of 2 feet on the left wall of the drift at one point. A hole put down here went thru three feet of ore before encountering waste. The ore is lying on the bedding and was drilled consistently in the lifters. It is massive sulfide containing pyrite, galena and zinc sulfide. Masses of galena up to 6 inches in diameter are enclosed in the pyrite. The pyrite is quite soft and crumbly and contains smaller grains of galena and sphalerite.

A sample of the pyrite ferous material assayed:
Ag 20.8, Pb 15.9, Zn 12.3

A sample of the galena assayed:
Ag 1042, Pb 61.2, Zn 7.2

This showing is encouraging to say the least. I propose to drive the drift ahead for two or three more rounds to make sure that the ore does not extend to the north any further on this horizon and then will drive a small drift to the west near the center of the exposure. This drift will open lower horizons and should give a better idea of the thickness and grade of the ore.

I have been using a 30-35 rating then ordering supplies. If there has been any change in this rating please notify.

Yours truly,

Cottrell Mining Company

R B Patrick

R. B. Patrick, Supt.

DATE PAYABLE _____ PAGE _____

CADWELL MINING COMPANY

PAY ROLL FOR PERIOD MAY 1 19 52 TO May 31 19 52

MADE IN U.S.A.

FORM 686-40	NO.	TIME WORKED DAYS	TIME WORKED HOURS	RATE PER	EARNINGS REGULAR	EARNINGS EXTRA FOR OVERTIME	EARNINGS TOTAL	DEDUCTIONS O. A. B.	DEDUCTIONS WITH-HOLDING TAX	DEDUCTIONS BONDS	NET PAID AMOUNT	NET PAID CHECK NO.	TAXABLE EARNINGS	
Hugh McKenna	1	27		1300	35100	3250	38350	575	4400		33375			Shaftman(Timberman)
J.H. Roberts	1	27		1150	31050	2875	33925	509	4580		28836	246		Hoistman
J.F. Lame	1	24		1200	28800	1200	30000	450	4880		24670			Miner
V.L. Phillips	1	27		1000	27000	2500	29500	442	2580		26475			Topman
R.B. Patrick	1	27			50000		50000	750	6860		42390			Superintendent
					171950	9825	181775	277623300			155749			

Wage rates shown on the above payroll are those prevailing in the Leadville district.

Transcript
[illegible]
Sec & Treas

CUT LEAF METHOD: Write names on left hand page and cut off Supplementary Sheets at the line

PAGE _____ DATE PAYABLE _____

PAY ROLL FOR PERIOD 19 TO 19

NAME	Exempt'n Class	NO.	TIME WORKED		RATE PER	EARNINGS			DEDUCTIONS			NET PAID		TAXABLE EARNINGS
			DAYS	HOURS		REGULAR	EXTRA FOR OVERTIME	TOTAL	O. A. B.	WITH-HOLDING TAX	BONDS	AMOUNT	CHECK NO.	
AMOUNTS FORWARDED														

RENTAL EQUIPMENT

CADWELL MINING COMPANY

1 Bench Grinder	$ 150.00
4 Ore Cars (@ 375.00 ea.)	1500.00
1 Cage	1700,00
1 Air Compressor	3500.00
1 Slusher Hoist	1102.00
1 Tugger Hoist	~~1000.00~~
1 Shaft Hoist	5500.00
1 Air Trammer	~~2000.00~~
1 Mucking Machine	~~3200.00~~
1 Jackhammer	345.00
1 Stoper Drill	~~620.00~~
1 Jackleg	195.00
1 Air Receiver	210.00
1 Water Pump	520.00
1 Truck (Ford stake bed)	250.00
1 Blower (Complete with motor)	550.00

259.50

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

224 New Customhouse
Denver 2, Colorado

June 17, 1952

Memorandum

To: C. O. Mittendorf, Acting Administrator
Defense Minerals Exploration Administration

From: Executive Officer, Field Team, Region IV

Subject: Progress Report, Con tract I-DMA-E34, Docket DMA 627, Hayden Mine, Cadwell Mining Company, Leadville, Colorado

Enclosed are the original and one copy of a memorandum by Ogden Tweto, Geologist, which describes the ore body recently discovered and contains suggestions for continued exploration.

W. H. King
W. H. King

Enclosures

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
JUN 20 1952

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

224 New Customhouse
Denver 2, Colorado

June 17, 1952

Memorandum

To: C. C. Mittendorf, Acting Administrator
Defense Minerals Exploration Administration

From: Executive Officer, Field Team, Region IV

Subject: Progress Report, Contract I-DMA-834, Docket DMA 627, Hayden Mine, Cadwell Mining Company, Leadville, Colorado

Enclosed are the original and one copy of a memorandum by Ogden Tweto, Geologist, which describes the ore body recently discovered and contains suggestions for continued exploration.

W. H. King
W. H. King

Enclosures

JFB:ld

cc: Contract, chron.
Koschmann
Traver

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUN 20 1952

JUN 20 1952

June 16, 1952

Memorandum

To: DMEA Field Team, Region IV

From: Ogden Tweto, U. S. Geological Survey

Subject: Progress on exploration contract I-DMA-E34, DMA Docket 627, Hayden Mine, Cadwell Mining Company, Leadville, Colorado

I visited the Hayden mine of the Cadwell Mining Company on June 13, 1952. The officers of the company happened to be there, as well as Roger Patrick, mine superintendent. The drift northward on the fifth or Drainage Tunnel level had been advanced about 250 feet from the Hayden lateral of the Drainage Tunnel. At 220 feet, shortly after emerging from a cross-cutting body of Gray (Lincoln) porphyry, the drift struck a heavily mineralized bed in the uppermost part of the Peerless formation. This ore bed lies in the floor and extends along the drift for about 25 feet; it then dives beneath the floor. Holes drilled into the floor show that the bed is 18 to 24 inches thick along the drift. A crosscut was driven westward into the footwall of the ore bed for 25 feet. The ore bed gradually thickens westward to a maximum of 40 or 42 inches near the breast of the crosscut. There it is massive sulfide ore consisting of granular pyrite heavily banded by seams of coarse-grained galena and somewhat resinous sphalerite. Samples of this ore run about 30 percent combined lead and zinc, and about 20 ounces silver per ton. The ore

cuts off abruptly at a fault at the breast of the crosscut. As sulfide ore appears to be dragged upward along the fault, this is almost certainly a post-mineral normal fault, and the extension of the ore bed should lie above the level of the crosscut. Rough surveys indicate that the fault is only a few feet from the Hayden sideline, however, so the Cadwell Company will not raise on the fault.

In response to a request for recommendations from Patrick, I suggested that the drift be continued northward, as it is still two or three hundred feet short of the original goal. I suggested further that if the ore bed does not reappear in the next 150 to 200 feet, some short diamond drill holes be put into the floor to see whether any trace of it can be found. If evidence of it is found, then a crosscut might be driven eastward (the down-dip direction) and drilling done from it to explore the bed at greater depth. If no evidence of the ore bed is found north of the place where it goes into the floor, then the orebody would appear to be a finger about 25 feet wide running westward up-dip, about at right angles to the drift, and exploration should be concentrated in the narrow zone in which the ore is exposed by the drift. However, a porphyry contact which apparently follows a pre-porphyry fault projects across the down-dip trend of any such finger only 20 to 30 feet east of the drift. Thus no plan could be made for extensive down-dip exploration until a short crosscut, or an inclined winze on the ore bed, is run out to determine whether the porphyry continues across the trend of the possible ore finger and thus cuts it off.

/s/ Ogden Tweto

DEPARTMENT OF THE INTERIOR
Denver Library
RECEIVED
JUN 20 1952

June 16, 1952

Memorandum

To: DMEA Field Team, Region IV

From: Ogden Tweto, U. S. Geological Survey

Subject: Progress on exploration contract I-DMA-E34, DMA Docket 627, Hayden Mine, Cadwell Mining Company, Leadville, Colorado

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/s/ Ogden Tweto

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

224 New Customhouse
Denver 2, Colorado

June 10, 1952

Memorandum

To: Secretary to Operating Committee, DMEA

From: Executive Officer, Field Team, Region IV

Subject: Form MF-104, Docket No. 627, Contract I-DMA-E34, Lake County, Colorado (Lead-Zinc)

Enclosed is one copy of the Operator's Monthly Progress Report Form MF-104, Operator's Narrative Report, Inspecting Engineer's Narrative Report and other supporting data for the period of April, 1952, pertaining to Project No. DMA Docket 627, Contract I-DMA-E34, Cadwell Mining Company.

W. H. King

Enclosure

MF-104
(August 1951)

Budget Bureau No. 42-R1036.2.
Approval Expires 6-30-52.

Copy

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Contract No.
Idm-E 34

Name of Operator CADWELL MINING COMPANY
Docket No. DMA 627
Total Contract Amount $ 89,922.00
Government Participation: 50 % Amount, $
Distribution of Expenditures for Month of April, 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.

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.

CADWELL MINING COMPANY
(Name of Company)

By E. W. Lumberg
(Signature of Authorized Official)

May 14, 1952
(Date)

Secretary-Treasurer
(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						
(b) Buildings						
(c) Fixtures						
2. Operating Equipment:						
(a) Purchased[1]						
(b) Rented[2]	259.52	2101.22	2360.74	259.52	2101.22	2360.74
(c) Furnished by operator						
3. Rehabilitation and Repairs:						
(a) Facilities						
(b) Buildings						
(c) Installations						

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]	1269.00	13020.65	14,289.65	1269.00	13020.65	14,289.65
5. Supervision	500.00	1654.00	2,154.00	500.00	1654.00	2,154.00
6. Supplies						
(a) Timber	21.80	207.24	229.04	21.80	207.24	229.04
(b) Explosives	335.25	505.10	840.35	335.25	505.10	840.35
(c) Repair Parts	66.20	19.41	75.61	66.20	19.41	75.61
(d) Other	186.12	6702. 83	6888.95	186.12	6702.83	6888.95
7. Power	123.75	828.21	951.96	123.75	828.21	951.96
8. Transportation	1.85	238.98	240.83	1.85	238.98	240.83
9. Insurance						
(a) Fire						
(b) Public Liability						
(c) Workmen's Compensation	69.45	646.90	716.35	69.45	646.90	716.35
(d) Ins Compressor	2.70	121.85	124.55	2.70	121.85	124.35
10. Contract Work						
11. Other (specify)						
(a(F.I.C.A.	26.55	327.67	361.34	26.55	327.67	361.34
(b) Assayer	7.12			7.12		
	33.67			33.67		
Total	2869.31	26,374.06	29,234.37	2869.31	26,374.06	29,234.37
Deletions						
Adjusted totals						
Totals previously reported	26374.06			26374.06		
Totals to date	29243.37			29243.37		

[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 M. H. Salsbury WMT
Amount approved for payment $ 1434.65
Remarks

16—64068-3

Schedule DMA 52-57
June 5, 1952
$1434.65

EXPLORATION UNIT COST AND PROGRESS REPORT FOR MONTH OF April, 1952

(Supply Data Below Applicable Only to Your Operations)

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	1769.00		609.37	490.94	2869.31		92	255	347	1500
Crosscutting										
Raising										
Shafts								200	200	200
Winzes										
Drill holes										
Overburden										
Rehabilitation and preparation								394	394	
Geology and geophysics										
Trenching										
Sampling and assaying										
Roads and trails										
Test pits										
Other (specify)										
Totals							92	849	941	1700

[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

Mining Division
Region IV

May 29, 1952

Memorandum

To: T. A. Christensen

From: Acting Chief, Mining Division, Region IV

Subject: DMA Docket 627, Contract I-DMA-E34, Cadwell Mining Company, Lake County, Colorado - Operator's Monthly Progress Report for the period of April, 1952

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

Work accomplished is in accordance with the contract and payment is recommended for the amount of $1,434.65 which is 50 percent of the total of $2,869.31.

W. H. King

W. H. King

Enclosures

WLD:oc

cc: Secretary to the Operating Committee
Contract
Traver
Koschmann (2)
Chron.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20, Room 137
Denver Federal Center
Denver 14, Colorado
May 23, 1952

Memorandum

To: Acting Chief, Mining Division, Region IV

From: Chief, Colorado Branch, Mining Division, Region IV

Subject: DMA 627, Contract I-DMA-E34, Cadwell Mining Company, Lake County, Colorado - Progress report for April 1952

Please find enclosed four copies of the above monthly progress report, form MF-104, with narrative, payroll, and list of equipment rentals, and six copies of M. K. Salsbury's memorandum covering inspection of the accounts and underground progress.

Salsbury approves payment of $1,434.65, or 50 percent of the $2,869.31 claimed by the contractor.

Progress units, monthly and cumulative, are correct.

W. M. Traver, Jr.
W. M. Traver, Jr.

enclosures

DD:amh

cc 3
AMKoschmann
E34
DMEA Chron.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20, Room 137
Denver Federal Center
Denver 14, Colorado
May 23, 1952

Memorandum

To: Chief, Colorado Branch, Mining Division, Region IV

From: M. H. Salsbury

Subject: DMA 627, Contract I-DMA-E34, Cadwell Mining Company, Lake County, Colorado - Progress report for April 1952

The subject underground progress was inspected May 12 with R. B. Patrick.

Accounts were inspected May 21 with E. W. Lumberg. Expenditures were verified by invoice. All items were allowed under the contract or amendments.

Item 2 (b), Operating equipment rented: $259.52 as listed includes rental of 1 truck at $5.00 and an air blower at $9.17 which were not listed previously. The air blower is allowed under the original contract and the truck is allowed under an amendment in process at the Region IV office. The item is correct.

Item 4, Labor, $1,269.00, is correct and verified by the attached payroll.

Item 5, Supervision, $300.00, is correct and verified by the attached payroll.

Item 6 (a), Timber, $21.80, correct.
(b), Explosives, $335.25, correct.
(c), Repair parts, $66.20, correct as changed and initialed by Lumberg. This item was originally included in Supplies, Other (Item 6 d).
(d), Other, $186.12, is correct as changed and initialed by Lumberg.

Item 7, Power, $123.75, is correct.

Item 8, Transportation, $1.85, is correct.

Item 9 (c), Workmen's Compensation Insurance, $69.45, is correct.
(d), Insurance on compressor, $2.70, is correct.

Item 11 (a), FICA, $26.55, is correct.
(b), Assaying, $7.12, is correct.

The total, $2,869.31, is correct.

The underground progress is correct as reported in the narrative. The north drift (crosscut) was advanced 92 feet.

The cumulative and monthly units progress which had not been previously entered on the MF-104 forms was checked with Lumberg and brought up to date with corrections initialed by him.

The cost of drifting in April was $31.17 as compared to $31.78. This is probably about the lowest cost which will be attained under the present setup.

Payment of $1,434.65, or 50 percent of the $2,869.31 claimed by the contractor, is approved.

W. M. Traver, Jr.
for M. H. Salsbury
Mining Engineer

MHS/amh

cc 5
AHKoschmann
E34
DMEA Chron.

CADWELL MINING COMPANY

RENTALS

1 Bench grinder	150.00	2.50
4 Ore Cars	1500.00	25.00
1 Cage	1700.00	28.33
1 Air Compressor	3500.00	58.33
1 Slusher Hoist	1102.00	18.37
1 Shaft Hoist	5500.00	91.66
1 Jack Hammer	345.00	5.75
1 Water Pump	520.00	8.66
1 Jacklegs	195.00	3.25
1 Air Receiver	210.00	3.50
1 Air Blower	550.00	9.17
1 Truck	250.00	5.00
	$15,522.00	259.52

PAGE _____ DATE PAYABLE _____

PAY ROLL FOR PERIOD APRIL 1 19 52 TO APRIL 30 19 52

NAME	EXEMPT'N CLASS	NO.	TIME WORKED DAYS	TIME WORKED HOURS	RATE PER	EARNINGS REGULAR	EARNINGS EXTRA FOR OVERTIME	EARNINGS TOTAL	DEDUCTIONS O. A. B.	DEDUCTIONS WITH-HOLDING TAX	DEDUCTIONS BONDS	NET PAID AMOUNT	NET PAID CHECK NO.	TAXABLE EARNINGS	
AMOUNTS FORWARDED															
Hugh McKenna		26			13.00	338 00	2600	364 00		546 3940		319 14			Shaftman-Timberman
J.H. Roberts		26			11.50	299 00	2300	322 00		484 4260		274 56			Hoistman
J. F. Lane		25			12.00	300 00	1800	318 00		477 5200		261 23			Miner
J.L. Phillips		25			10.00	250 00	1500	265 00		398 2020		240 82			Topman
R. B. Patrick		26				500 00		500 00		750 6860		423 90			Superintendent
						1687 00	8200	1769 00		2655 22280		1519 65			

Wage rates shown on this above payroll are those prevailing in the Leadville district.

DATE PAYABLE_____ PAGE_____

PAY ROLL FOR PERIOD 19 TO 19

MADE IN U.S.A.

WILSON JONES FORM 686-40	NO.	TIME WORKED		RATE PER	EARNINGS			DEDUCTIONS			NET PAID		TAXABLE EARNINGS
		DAYS	HOURS		REGULAR	EXTRA FOR OVERTIME	TOTAL	O. A. B.	WITH-HOLDING TAX	BONDS	AMOUNT	CHECK NO.	

CUT LEAF METHOD: Write names on left hand page and cut off Supplementary Sheets at this line.

Colorado Branch

Date Rec'd
MAY 8 1952

BUREAU OF MINES
Denver, Colorado

407 East 8th Street
Leadville, Colorado
May 6, 1952

Mr. W. M. Traver, Jr.
United States Bureau of Mines
Bldg. 20, Denver Federal Center
Denver, Colorado

Dear Sir:

Following is the narrative description to accompany form MF-104 for the month of April, 1952.

The north drift was continued 55 feet N 3° W and was then turned to N 15°E for 37 feet. The total advance for the month was 92 feet and the total to date for the north drift is 120 feet. 512 cars of waste were hoisted.

The gray porphyry-Manitou limestone contact was cut 77 feet from the Hayden Lateral. It strikes N 75° E and dips 35° to the north. The Manitou limestone beyond the contact is dark gray in color, thick bedded and is very hard. It strikes N 50° E and dips 30° to the south east. No fissures were cut but spots of galena, pyrite and sphalerite were found in the limestone up to 1/8 inch in diameter.

A fan and 12 inch Vent-tube was installed making it possible to resume work within a reasonable time after blasting.

Yours truly,

Cadwell Mining Company

Roger B. Patrick

Roger B. Patrick, Supt.

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

224 New Customhouse
Denver 2, Colorado

June 3, 1952

Memorandum

To: Secretary to the Operating Committee
Defense Minerals Exploration Administration

From: Executive Officer, Field Team, Region IV

Subject: Form MF-104, DMA Docket 627, Contract I-DMA-E34,
Cadwell Mining Company, Lake County, Colorado

Enclosed are the Operator's Monthly Progress Report Form MF-104, Operator's Narrative Report, Inspecting Engineer's Narrative Report and other supporting data for the period of March, 1952, pertaining to DMA Docket 627, Contract I-DMA-E34, Cadwell Mining Company, Lake County, Colorado.

W. H. King

W. H. King

jp

cc: Contract
Traver
Koschmann (2)
Chron

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.
Idm-E 34

Name of Operator CADWELL MINING COMPANY
Docket No. DMA 627
Total Contract Amount $ 89,922.00
Government Participation: 50 % Amount, $
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.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUN 6 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.

Cadwell Mining Company
(Name of Company)

By E. W. Lumberg
(Signature of Authorized Official)

April 14, 1952
(Date)

Secretary-Treasurer
(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						
(b) Buildings						
(c) Fixtures						
2. Operating Equipment:						
(a) Purchased[1]						
(b) Rented[2]	245.36	1855.86	2101.22	245.36	1855.86	2101.22
(c) Furnished by operator						
3. Rehabilitation and Repairs:						
(a) Facilities						
(b) Buildings						
(c) Installations						

6-3-52

Mining Division
Region IV

May 26, 1952

Memorandum

To: T. A. Christensen

From: Acting Chief, Mining Division, Region IV

Subject: DMA Docket 627, Contract I-DMA-E34, Cadwell Mining Company, Lake County, Colorado - Operator's Monthly Progress Report for the period of March, 1952

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

Work accomplished is in accordance with the contract and payment is recommended for the amount of $1382.57, which is 50 percent of the total of $2,765.14.

The depreciation charges amounting to $245.36 is assumed to be for the same equipment as listed in the report for February.

The progress shown on page 4 of the Form MF-104 is in error as the operator totaled the footage of new drifting in with the rehabilitated footage. The 200 feet of shaft work is not new but rehabilitated shaft footage. Mr. Traver informed the operator as to what was needed and the Progress Report for April should show corrections.

W. H. King

W. H. King

WLD:oc

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20
Denver Federal Center
Denver 14, Colorado
April 25, 1952

Mining Division
Date Rec'd.
MAY 13 1952
BUREAU OF MINES
Denver, Colorado

Memorandum

To: Acting Chief, Mining Division, Region IV

From: Chief, Colorado Branch, Mining Division

Subject: DMA 627, Contract I-DMA-E34, Cadwell Mining Company (Hayden shaft), Lake County, Colorado - March 1952 progress report

Please find enclosed four copies of the subject progress report, form MF-104, with narrative and payroll, and six copies of M. H. Salsbury's mine progress report, and six copies of Scott W. Hazen's memorandum covering the accounting.

Hazen deducts $6.00 from the Supplies, Other, which was not verified by invoice. Payment is approved for $1,382.57, which is 50 percent of $2,771.14 less $6.00.

Scott W. Hazen, Jr.
Scott W. Hazen, Jr., for
W. M. Traver, Jr.

Enclosures

SWH/amh

cc 3
AHKoschmann
E34
DMEA Chron.

NOTE:
The original MF-104's were revised in accordance with your instructions and the revised forms substituted with the engineering memorandum. A short memorandum from M. H. Salsbury is included approving payment of $1,382.57, or 50 percent of the correct amount, $2,765.14, claimed.

W. M. Traver, Jr.
W. M. Traver, Jr.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20
Denver Federal Center
Denver 14, Colorado
May 14, 1952

Memorandum

To: Chief, Colorado Branch, Mining Division, Region IV

From: M. H. Salsbury

Subject: DMA 627, Contract I-DMA-E34, Cadwell Mining Company, Lake County, Colorado - March 1952 progress report, revised

The four corrected copies of form MF-104 for March 1952 resubmitted by Mr. Lumberg in accordance with your request dated May 5, 1952, have been checked and are in agreement with Hazen's memorandum to the Acting Chief, Mining Division, Region IV, dated April 25, 1952.

The account is approved for payment of $1,382.57, or 50 percent of the $2,765.14 claimed by the contractor.

Please note that the footage driven during the month, 87 feet, at a total operating cost of $2,765.14 makes the cost per foot $31.78.

For W. W. Traves, Jr.
M. H. Salsbury,
Mining Engineer

MHS/dd

cc 5
AHKoschmann
E34
DMEA Chron.

Mining Division
Region IV

April 30, 1952

Memorandum

To: W. M. Traver, Jr.

From: Acting Chief, Mining Division, Region IV

Subject: DMA-627, Contract I-DMA-E34, Cadwell Mining Company, Lake County, Colorado

We are returning herewith the original and 3 copies of the MF-104 Report and supporting data pertaining to work under Contract I-DMA-E34, for work performed during March, 1952.

The MF-104 Report cannot be processed in its present form for the following reasons:

1. The Report is not prepared in accordance with good accounting practice.

2. The numerous corrections are not initialed by the person making the corrections.

3. The total on the third page does not agree with the total on the fourth page.

4. Units of work accomplished during the current month and cumulative totals to date were not reported on page 4 as required.

J. F. Shaw for
W. H. King

Enclosures
JWT:oc
cc: Contract, Chron.
J. W. Townsend
A. H. Koschmann (2)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20
Denver Federal Center
Denver 14, Colorado
April 25, 1952

Memorandum

To: Chief, Colorado Branch, Mining Division

From: Scott W. Hazen, Jr.

Subject: DMA 627, Contract I-DMA-E34, Cadwell Mining Company (Hayden shaft), Lake County, Colorado - March 1952 progress report

The March 1952 accounts were inspected on April 23 when they were made available by E. W. Lumberg, secretary-treasurer.

Item 2 (b) (should be 2-c), $245.36, is correct and in accordance with the contract.

Item 4, Labor, $1,277.25, is correct and in accordance with the attached payroll.

Item 5, Supervision, $500.00, is correct and is verified by the attached payroll. The March amount is for a full month's work, whereas the February amount was prorated in accordance with other work performed by the supervisor. This accounts for the full $500.00 for March.

Item 6, Supplies.

(a), Timber. S. L. Smith Lumber, $138.05 for poles, logs, and mine lagging, per invoice.

(b), Explosives. Resurrection Mining Company, $79.50 for 600 primers, per invoice.

Item 6, Supplies.

(d), Other.

U. S. Welding,	$ 26.87	Welding rod, repairs, and acetylene.
Gambles,	2.49	Cotter keys, washers, screws.
*Thor Pneumatic Tool Co.	77.57	Repair parts for rock drill, rifle nut, rifle bar, chuck driver hammer.
Biggs-Kurtz Hardware	44.07	1 - vise #204-1/2 Columbian.
" " "	14.28	Pipe fittings.
" " "	8.05	Bolts, nuts.
Roberts Store	.90	Electric cord.
Ryall Electric	20.82	Electrical small parts.
Johnny 4 Lease	14.88	4 - GOF-12 couplings at $3.72 each.
" " "	7.10	Fittings - 4 hose couplings.
" " "	65.00	2 - 50-foot hoses, 1-inch, at $32.50 each.
" " "	26.00	2 - 50-foot hoses, 1/2-inch, at $22.00 each. ($18.00 paid in February accounts).
" " "	2.62	Tax
Total	$310.65	

*Should be under item 6 (c).

This item does not check by $6.00.

Item 7, Power, $118.95, Public Service Company of Colorado, per invoice.

Item 8, Transportation, $1.02, Rio Grande Motorway, for freight delivery of parts, per invoice.

Item 9 (c), Workmen's Compensation, $65.00, paid into fund.

(d), Insurance, $2.70, for compressor rented.

Item 11, FICA, $26.66, employer's charge, based on payroll.

The payroll had been increased by the amounts of $10.00 and $13.31 claimed on supplemental MF-104 submitted for deduction and omission on December 1951 payroll. These have been deleted here and all totals corrected with initials of E. W. Lumberg noted on total as corrected.

The adjusted total notes the $86.70 deduction for February which is verified as correct by the contractor. It was for a motor to be used with a blower which has been requested by amendment.

The accounts were all verified except for $6.00 in Supplies, Other.

Payment is approved for 50 percent of $2,771.14 less $6.00, or 50 percent of $2,765.14, which equals $1,382.57.

Scott W. Hazen, Jr.,
Mining Engineer

SWH/amh

cc 5
AHKoschmann
E34
DMEA Chron.

NOTE:
The accounts were returned to the contractor May 5, 1952, and revised to correct the $6.00 error in Supplies, Other. The revised MF-104's show the revision, verified by M. H. Salsbury, and his approval of payment of $1,382.57.

W. M. Traver, Jr.
W. M. Traver, Jr.

W.W. TRAVER JR. CHIEF COLO. BRANCH MINING DIV. 14 APRIL 1952
COLO. 20 DENVER FEDERAL CENTER
M. H. SALSBURY BOX 802 LEADVILLE COLO.

PROGRESS REPORT FOR MARCH 1952
RMA 627 CONTRACT I-BRA- E34
CADWELL MINING CO. HAYDEN SHAFT LEADVILLE .

I HAVE MADE AN UNDERGROUND INSPECTION AT THE HAYDEN SHAFT CHECKING THE PROGRESS REPORT SUBMITTED BY R. A. PATRICK AND FIND IT CORRECT.

THE TOTAL OF 87 FEET OF WORK FOR MARCH IS MADE UP OF 59 FEET OF DRIFT TO THE EAST AND 28 FEET OF CROSSCUT TO THE NORTH.

THE FACE OF THE NORTH CROSSCUT THIS MORNING WAS 75 FEET FROM THE NORTH WALL OF THE HAYDEN LATERAL. THE CROSSCUT HAS ALL BEEN IN GRAY PORPHYRY UNTIL THE LAST HOURS. WHITE (MANITOU) LIMESTONE HAS CUT IN THE BACK WITH SATURDAY'S NOVES. THE CONTACT BETWEEN LIMESTONE AND GRAY PORPHYRY , INSTEAD OF HAVING THE NORMAL SEDIMENTS DIP TO THE SOUTH, HAS A DIP OF 35 DEGREES TO THE NORTH.

M. H. Salsbury
M. H. SALSBURY

DATE PAYABLE _____ PAGE _____

PAY ROLL FOR PERIOD March 1 19 52 TO Mar 31- 19 52

MADE IN U.S.A.

FORM 686-40	NO. shifts	TIME WORKED DAYS	TIME WORKED HOURS	RATE PER	EARNINGS REGULAR	EARNINGS EXTRA FOR OVERTIME	EARNINGS TOTAL	DEDUCTIONS O. A. B.	DEDUCTIONS WITH-HOLDING TAX	DEDUCTIONS BONDS	NET PAID AMOUNT	NET PAID CHECK NO.	TAXABLE EARNINGS	
Hugh McKenna	26		13.00		338.00	32.50	370.50	5.56	40.20		324.74			Shaftman (Timberman)
J. H. Roberts	26		11.50		299.00	28.75	327.75	4.92	43.40		279.43			Hoistman
J. F. Lane	25		12.00		300.00	24.00	324.00	4.86	53.60		265.54			miner
V. L. Phillips	24		10.00		240.00	15.00	255.00	3.82	17.80		233.38			Topman
R. B. Patrick	26				500.00		500.00	7.50	68.60		423.90			Supt.
					1677.00	100.25	1777.25	26.66	223.60		1526.99			

Wage rates shown on the above payroll are those prevailing in the Leadville District.

CUT LEAF METHOD: Write names on left hand page and cut off Supplementary Sheets at this line.

PAGE_____ DATE PAYABLE_____

PAY ROLL FOR PERIOD 19 TO 19

NAME	Exempt'n Class	NO.	TIME WORKED		RATE PER	EARNINGS			DEDUCTIONS				NET PAID		TAXABLE EARNINGS
			DAYS	HOURS		REGULAR	EXTRA FOR OVERTIME	TOTAL	O. A. B.	WITH-HOLDING TAX	BONDS		AMOUNT	CHECK NO.	
AMOUNTS FORWARDED															

Colorado Branch

Date Rec'd
APR 7 1952

BUREAU OF MINES
Denver, Colorado

407 East 8th Street
Leadville, Colorado
April 4, 1952

Mr. W. H. Traver, Jr.
United States Bureau of Mines
Bldg. 20, Denver Federal Center
Denver, Colorado

Dear Sir:

Following is the narrative description to accompany form MP-104 for the month of March 1952.

The east drift was driven to a point 163 feet east of the Hayden shaft on the Manitou limestone-Gray porphyry contact. At the face this contact strikes N 50° E and dips 20° to the southeast. It is very close to the top of the Manitou limestone. Mineralization was found in it to about the same extent that has previously reported. No fissures or faults of any size were cut. A good example of a dilation fault caused by the intrusion of the porphyry is exposed near the face. 59 feet of drift was driven in this heading during the month.

On March 21st the east drift was shut down and work begun on a north drift starting at the shaft station. At the close of work on the 31st, 28 feet of drift had been driven, all in gray porphyry except for a xenolith of parting quartzite. The bedding is tipped almost vertically and exhibits the green shale member of the parting quartzite with some quartzite and limestone. A sprinkling of sulfide can be seen, both galena and sphalerite being present as well as some manganosiderite.

Altogether 87 feet of drift was driven and 410 cars of muck hoisted.

The slusher ramp is working satisfactorily after being modified by putting higher sides on it. Some trouble was caused by breakdowns but I believe these have been repaired satisfactorily.

Yours truly,

Cadwell Mining Company
R.B. Patrick
R. B. Patrick, Supt.

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]	1277.25	11,743.40	13020.65	1277.25	11,743.40	13,020.65
5. Supervision	500.00	1,154.00	1654.00	500.00	1,154.00	1,654.00
6. Supplies						
(a) Timber	138.05	69.19	207.24	138.05	69.19	207.24
(b) Explosives	79.50	425.60	505.10	79.50	425.60	505.10
(c) Repair Parts	[illegible]	19.41	19.41		19.41	19.41
(d) Other	310.65	6,392.18	6702.83	310.65	6,392.18	6,702.83
7. Power	118.95	709.26	828.21	118.95	709.26	828.21
8. Transportation	1.02	237.96	238.98	1.02	237.96	238.98
9. Insurance						
(a) Fire						
(b) Public Liability						
(c) Workmen's Compensation	65.00	581.90	646.90	65.00	581.90	646.90
Ins. Compressor	2.70	119.15	121.85	2.70	119.15	121.85
10. Contract Work						
11. Other (specify)						
F.I.C.A.	26.66	301.01	327.67	26.66	301.01	327.67
Total	2765.14	23,608.92	26,374.06	2765.14	23,608.92	26,374.06
Deletions						
Adjusted totals						
Totals previously reported	23,608.92			23608.92		
Totals to date	26,374.06			26374.06		

[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 M. R. Galsbury WMT.
Amount approved for payment 1382.57 1382.57 $1,382.57
Remarks

16—64068-3

Schedule DMA 52-56
June 2, 1952
1382.57

EXPLORATION UNIT COST AND PROGRESS REPORT FOR MONTH OF MARCH. 57

(Supply Data Below Applicable Only to Your Operations)

IN ERROR - SEE TRANSMITTAL LTR TO TAC.

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	1777.25		528.20	459.69	2765.14		87	762	849	1500
Crosscutting										
Raising										
Shafts								200	200	200
Winzes										
Drill holes										
Overburden										
Rehabilitation and preparation										
Geology and geophysics										
Trenching										
Sampling and assaying										
Roads and trails										
Test pits										
Other (specify)										
Totals							87	962	1049	1700

[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

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

224 New Customhouse
Denver 2, Colorado

April 9, 1952

Memorandum

To: Secretary to the Operating Committee
Defense Minerals Exploration Administration

From: Executive Officer, Field Team, Region IV

Subject: Form MF-104, DMA Docket 627, Contract I-DMA-E34,
Cadwell Mining Company, Lake County, Colorado

Enclosed are the Operator's Monthly Progress Report Form MF-104, Operator's Narrative Report and Inspecting Engineer's Narrative Report, and other supporting data for the month of February, 1952, pertaining to DMA Docket 627, Contract I-DMA-E34, Cadwell Mining Company, Lake County, Colorado.

W. H. King
W. H. King for
J. H. East, Jr.

Enclosures

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
APR 14 1952

MF-104
(August 1951)

COPY

Budget Bureau No. 42-R1036.2.
Approval Expires 6-30-52.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Contract No.
Idm-E 34

Name of Operator CADWELL MINING COMPANY
Docket No. DMA 627
Total Contract Amount $ 89,922.00
Government Participation: 50 % Amount, $ 44,961.00
Distribution of Expenditures for Month of February 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.

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.

CADWELL MINING COMPANY
(Name of Company)

By /s/ E. W. Lumberg
(Signature of Authorized Official)

3-11-1952
(Date)

Secretary-Treasurer
(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—64068-6

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						
(b) Buildings						
(c) Fixtures						
2. Operating Equipment:						
(a) Purchased[1]						
(b) Rented[2]	245.36	1610.50	1855.86	245.36	1610.50	1855.86
(c) Furnished by operator						
3. Rehabilitation and Repairs:						
(a) Facilities						
(b) Buildings						
(c) Installations						

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

224 New Customhouse
Denver 2, Colorado

April 9, 1952

Memorandum

To: Secretary to the Operating Committee
Defense Minerals Exploration Administration

From: Executive Officer, Field Team, Region IV

Subject: Form MF-104, DMA Docket 627, Contract I-DMA-E34,
Cadwell Mining Company, Lake County, Colorado

Enclosed are the Operator's Monthly Progress Report Form MF-104, Operator's Narrative Report and Inspecting Engineer's Narrative Report, and other supporting data for the month of February, 1952, pertaining to DMA Docket 627, Contract I-DMA-E34, Cadwell Mining Company, Lake County, Colorado.

W. H. King

W. H. King for
J. H. East, Jr.

Enclosures

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

Schedule DMA 52-38
april 7, 1952
$1393.96

4-8-52

Mining Division
Region IV

March 28, 1952

Memorandum

To: T. A. Christensen

From: Acting Chief, Mining Division, Region IV

Subject: DMA Docket 627, Contract I-DMA-E34, Cadwell Mining Company, Lake County, Colorado - Operator's Monthly Progress Report for the period of February, 1952

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

Work accomplished is in accordance with the contract and payment is recommended for the amount of $1,393.96, which is 50 percent of the total of $2,787.93, after the deduction of $86.70 for purchase of "Motor drive for blower" which is not authorized in the contract under equipment to be purchased.

W. H. KING

W. H. King

Enclosures

WHK

JWT:oc

cc: DMA Contract, Chron.
Secretary to the Oper. Committee
WMTraver
AHKoschmann (2)

WMT/amh

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20
Denver Federal Center
Denver 14, Colorado
March 24, 1952

Memorandum

To: Acting Chief, Mining Division, Region IV

From: Chief, Colorado Branch, Mining Division

Subject: DMA 627, Contract I-DMA-E34, Cadwell Mining Company (Hayden Shaft), Lake County, Colorado - February 1952 progress report

The February 1952 accounts of the above contractor were checked at the Colorado Branch office March 24 with E. W. Lumberg, secretary-treasurer.

Item 2 (b), $245.36, is correct and in accordance with the contract. It is noted for the record that the air compressor allowed under the contract at a depreciation charge of $58.33 is not company-owned, but is rented from Sinclair at about $125.00 a month. Lumberg is furnishing the Region IV Field Team with copies of the rental-purchase agreement.

Item 4, Labor, $1,205.00, is in accordance with the attached payroll.

Item 5, Supervision, $454.00, is in accordance with the attached payroll.

Item 6 (b), Explosives, $332.60, is correct and was paid to the Resurrection Mining Company for powder and primers.

(d), Other, includes:

Safety Equipment Company	$15.51
Ryall Electric Company	1.11
Biggs Kurtz Hardware Company	9.15
United Welding Company	6.04
*Johnny 4 Lease	252.80
**B. & M. Refrigeration Company	86.70
Resurrection Mining Company	50.00
Cass Book Store (Stationery)	.52
Total, correct	$421.83

*Includes drill steel, $165.20, and slusher sheave wheel, $44.29. The remainder is miscellaneous small supply items.
**Motor drive for blower.

Item 7, Power, is verified by a receipted invoice from the Public Service Company of Colorado for $118.95.

Item 8, Transportation, Kings Transfer Company, equipment delivery, is correct by invoice for $1.31.

Item 9 (c), Workmen's compensation, is correct - $59.00.

(d), Insurance on compressor - $2.70.

Item 11, FICA, correct from payroll - $24.88.
Receipted invoice from Smith, assayer - $9.00.

Total, correct, $2,874.63.

Payment of $1,437.32, or 50 percent of the total $2,874.63, is approved.

W. M. Traver, Jr.

W. M. Traver, Jr.

cc 5
AHKoschmann
E34
DMEA Chron.

Colorado Branch

Date Rec'd
MAR 17 1952
BUREAU OF MINES
Denver, Colo.

WM. H. TRAVER, JR., CHIEF, COLORADO BRANCH, 11 MARCH 1952
MINING DIVISION.
FROM: M. M. SALSBURY, LEADVILLE DRAINAGE TUNNEL

DMA 627 CONTRACT IDMA - C 34
CAPWELL MINING CO.
PROGRESS REPORT FOR FEBRUARY 1952

I HAVE MADE AN UNDERGROUND INSPECTION CHECKING PROGRESS FOR FEBRUARY REPORTED AS 55 FEET OF DRIFTING BY R. B. PATRICK, AND FIND IT CORRECT.

M. M. Salsbury
M. M. SALSBURY

CADWELL MINING COMPANY

RENTALS EQUIPMENT for February 1952

Bench grinder	150.00
Ore Cars	1500.00
Cage	1700.00
Air Compressor	3500.00
Slusher Hoist	1102.00
Hoist	5500.00
1 Jack hammer	345.00
Air receiver	210.00
1 Jack Leg	195.00
1 Water pump	520.00
	14,722.00

DATE PAYABLE _____ PAGE _____

PAY ROLL FOR PERIOD FEB-1 19 52 TO FEB-29 19 52

MADE IN U.S.A.

WJ WILSON JONES FORM 686-40

	NO. SHIFTS	TIME WORKED DAYS	TIME WORKED HOURS	RATE PER Day	EARNINGS REGULAR	EARNINGS EXTRA FOR OVERTIME	EARNINGS TOTAL	DEDUCTIONS O. A. B.	DEDUCTIONS WITH-HOLDING TAX	DEDUCTIONS BONDS	NET PAID AMOUNT	NET PAID CHECK NO.	TAXABLE EARNINGS	
Hugh. McKenna	13			13-	299.00	19.50	318.50	4.78	30.60	35.38	282.12			Timberman
J. B. Roberts	25			11.50	287.50	23.00	310.50	4.65	40.40	44.85	265.65			Horseman
J. F. Lane	24			12-	288.00	18.-	306.00	4.59	50.40	54.99	251.01			Miner
V. L. Phillips	25			10-	250.00	20-	270.00	4.05	20.40	24.25	245.75			Topman
R. B. Patrick	25				454.00		454.00	6.81	58.60	65.41	388.59			Supt
					1578.50	80.50	1659.00	24.88	200.00		1434.12			

CUT LEAF METHOD: Write names on left hand page and cut off Supplementary Sheets at this line.

PAGE_____ DATE PAYABLE_____

PAY ROLL FOR PERIOD 19 TO 19

NAME	Exempt'n Class	NO.	TIME WORKED		RATE PER	EARNINGS			DEDUCTIONS				NET PAID		TAXABLE EARNINGS	
			DAYS	HOURS		REGULAR	EXTRA FOR OVERTIME	TOTAL	O. A. B.	WITH-HOLDING TAX	BONDS		AMOUNT	CHECK NO.		
AMOUNTS FORWARDED																

105 East Sixth Street
Leadville, Colorado
March 5, 1952

Mr. W. M. Graver, Jr.
United States Bureau of Mines
Bldg. 20, Denver Federal Center
Denver, Colorado

Dear Sir:

Following is the narrative description to accompany form MF-104 for the month of February 1952.

The drift following the Gray Porphyry-Leadville Limestone contact was driven 55 feet ahead to a point 125 feet due east of the Hayden Shaft. The contact turned to a bearing S 80° E with a dip of 50° south until it was displaced by the small fault reported last month. This is a normal fault and the contact is exposed in the back of the drift on the footwall side giving the fault a dip slip of about six feet. The manganese-silver mineralization ceases in the porphyry. On the footwall side the contact has a normal attitude striking S 80° E and dipping 10° to the southwest.

Considerable mineralization was found on the footwall side of the fault. Irregular masses of manganiferous material was found in stained limestone. It was hoped that this might be silver bearing as was the small vein, but a sample only shows 0.4 oz Ag and 24.2% Mn. Some sulfide lead-zinc mineralization was found in the unaltered portions of the limestone. A sample assayed Ag 0.6, Pb 0.6, Zn 5.2. This rock contains some manganosiderite. None of the above mineralization seems to follow any structure and there is no regularity to it.

A moveable steel slush or ramp was borrowed from the Resurrection Mining Company. Its use should speed up the mucking cycle particularly when it is necessary to turn the drift. Some difficulty was encountered in holding grade when slushing 50 to 75 feet ahead of a wood ramp. This will not be true of the steel ramp because the track will be carried as close to the face as possible. Considerable advance was lost installing the steel ramp because the sides of the drift had to be plugged and the track moved to accomodate it.

240 cars of muck were hoisted in the month of February.

Yours truly,

Cudwell Mining Company

R B Patrick

R. B. Patrick, Supt.

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]	1205.00	10538.40	11,743.40	1205.00	10,538.40	11,743.40
5. Supervision	454.00	700.00	1,154.00	454.00	700.00	1154.00
6. Supplies						
(a) Timber		69.19	69.19		69.19	69.19
(b) Explosives	332.60	93.00	425.60	332.60	93.00	425.60
(c) Repair Parts		19.41	19.41		19.41	19.41
(d) Other	421.83	6057.05	6478.88	335.13	6057.05	6392.18
7. Power	118.95	590.31	709.26	118.95	590.31	709.26
8. Transportation	1.31	236.65	237.96	1.31	236.65	237.96
9. Insurance						
(a) Fire						
(b) Public Liability						
(c) Workmen's Compensation	59.00	522.90	581.90	59.00	522.90	581.90
(d) Compressor	2.70	116.45	119.15	2.70	116.45	119.15
10. Contract Work						
11. Other (specify)						
FICA	24.88	267.13	301.01	24.88	267.13	301.01
Assayers	9.00			9.00		
	33.88			33.88		
Total	2874.63	20820.99	23,695.62			
Deletions				-86.70		
Adjusted totals				2787.93	20,820.99	23,608.92
Totals previously reported	20,820.99			20,820.99		
Totals to date	23,695.62			23,608.92		

[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 /s/ WMTraver, Jr. (?)
Amount approved for payment $1437.31 1393.96
Remarks

16—64068-3

EXPLORATION UNIT COST AND PROGRESS REPORT FOR MONTH OF February 1952

(Supply Data Below Applicable Only to Your Operations)

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	1659.00		421.83	793.80	2874.63		55			
Crosscutting										
Raising										
Shafts										
Winzes										
Drill holes										
Overburden										
Rehabilitation and preparation										
Geology and geophysics										
Trenching										
Sampling and assaying										
Roads and trails										
Test pits										
Other (specify)										
Totals										

[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

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

224 New Customhouse
Denver 2, Colorado

March 24, 1952

Memorandum

To: Secretary to the Operating Committee
Defense Minerals Exploration Administration

From: Executive Officer, Field Team, Region IV

Subject: Form MF-104, DMA Docket 627, Contract I-DMA-E34, Cadwell Mining Company, Lake County, Colorado

Enclosed are the Operator's Monthly Progress Report Form MF-104, Operator's Narrative Report, and Inspecting Engineer's Narrative Report and other supporting data for the month of January, 1952, pertaining to DMA Docket 627, Contract I-DMA-E34, Cadwell Mining Company.

J. H. East, Jr.

Enclosure

MAR 2 . 1952

MF-104
(August 1951)

COPY

Budget Bureau No. 42-R1036.2.
Approval Expires 6-30-52.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Contract No. Idm-E 34

Name of Operator CADWELL MINING CO.
Docket No. DMA 627
Total Contract Amount $ 89,922.00
Government Participation: 50 % Amount, $
Distribution of Expenditures for Month of Jan. 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.

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.

CADWELL MINING CO.
(Name of Company)

By /s/ R. W. Lumbig (?)
(Signature of Authorized Official)

January 11, 1952
(Date)

Secretary and Treasurer
(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						
(b) Buildings						
(c) Fixtures						
2. Operating Equipment:						
(a) Purchased[1]						
(b) Rented[2]	248.86	1365.14	1614.00	245.36	1365.14	1610.50
(c) Furnished by operator						
3. Rehabilitation and Repairs:						
(a) Facilities						
(b) Buildings						
(c) Installations						

224 New Customhouse
Denver 2, Colorado

March 24, 1952

Memorandum

To: Secretary to the Operating Committee
Defense Minerals Exploration Administration

From: Executive Officer, Field Team, Region IV

Subject: Form MF-104, DMA Docket 627, Contract I-DMA-E34, Cadwell Mining Company, Lake County, Colorado

Enclosed are the Operator's Monthly Progress Report Form MF-104, Operator's Narrative Report, and Inspecting Engineer's Narrative Report and other supporting data for the month of January, 1952, pertaining to DMA Docket 627, Contract I-DMA-E34, Cadwell Mining Company.

J. H. EAST, JR.

J. H. East, Jr.

Enclosure

ld

cc: Contract, chron.
Koschmann
Traver, w/1 copy of MF-104

Mining Division
Region IV

March 14, 1952

Memorandum

To: T. A. Christensen

From: Acting Chief, Mining Division, Region IV

Subject: DMA Docket 627, Contract I-DMA-E34, Cadwell Mining Company, Lake County, Colorado, Operator's Monthly Progress Report for the period of January, 1952

Enclosed are the original and three copies of Form MP-1[illegible], Narrative Report, and Engineer's Report for the above period.

Work accomplished is in accordance with the contract and payment is recommended as follows:

Total Reported			$2,150.52
Disallowances -	Saw Rental	$ 3.50	
	Taxes	34.29	37.79
Balance -			$2,112.73
Government participation, 50 percent -			$1056.37

W. H. KING

W. H. King

Enclosures

WHK:oc

cc: Secretary to the Oper. Comm.
MMraver
AFKoschmann
DMA Contract, Chron.

Schedule DMA 52-33

Mar 18, 1952

$1056.37

WLP
3/20/52

SWH/dd

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20
Denver Federal Center
Denver 14, Colorado
March 4, 1952

Memorandum

To: Chief, Colorado Branch, Mining Division

From: Scott W. Hazen, Jr.

Subject: DMA 627, Contract I-DMA-E34, Cadwell Mining Company (Hayden shaft), Lake County, Colorado - January 1952 progress report.

E. W. Lumberg, secretary-treasurer of the Cadwell Mining Company, brought the January 1952 accounts to the Colorado Branch office on February 28, 1952, for checking.

Item 2 (b), Operating equipment rented, presently in use, consists of the following:

Bench grinder	$ 150.00
4 Cars	1,500.00 ?
Cage	1,700.00 ?
Compressor	3,500.00
Slusher hoist	1,102.00
Hoist	5,500.00
1 Jackhammer	345.00
Air receiver	210.00
1 Jack leg	195.00
Pump	520.00
	$14,722.00

$\frac{\$14,722.00}{60} = \$245.36$

The contractor has included the $3.50 for temporary rental of framing saw. It is not allowable unless an amendment has been granted. In the December report, Mr. Traver questioned the price used for four cars ($1,500.00), as allowed by contract. I agree with him and presume this will be clarified by inventory. The cage at $1,700.00 seems out of reason also. Mr. Lumberg informed me that they were actually renting the compressor from Sinclair so the point must be raised as to why it is being included in the depreciation group although I did not discuss this point with Lumberg.

Items 4 and 5, Labor and Supervision, are shown on the attached copies of the payroll. Daily time sheets were not seen as they are in Leadville. Three of the employees are claimed as working 26 regular time shifts and 8 hours overtime at time and one-half. Mr. Lumberg has a letter from the man in charge at Leadville showing these amounts. Assuming that New Year's Day was not worked, there remain 26 work days, including Saturdays. Apparently, the men are credited with 8 hours of regular time for Saturday and 8 hours at one-half time. Since New Year's Day was

not worked, no overtime would be granted for the following Saturday. The three remaining Saturdays would leave 24 hours at one-half time. These figures check with the payroll. The fourth employee worked less shifts, Saturdays, and earned less overtime--only 8 hours at one-half time.

It is noted that $10.00 deducted from the payroll in December should probably be refunded as the error of $10.00 would not affect the total money to be paid. An error has also been made by the operator in deducting December F. I. C. A. of $13.31 and has thus reduced the total payroll figure claimed for December although the larger figure shows on the payroll.

Item 6, Supplies, other, $51.42:

Ryall Electric	Plug-in boxes and switch	$18.19
Roberts Variety	Bolts and fuses	.82
Cass Bookstore	Accounting forms, etc.	2.75
McMillin	Coal	28.64
Union Supply Co.		1.02
		$51.42

Item 7, Power - $114.15, Public Service Company of Colorado.

Item 8, Transportation - $5.00, delivery of powder.

Item 9 (c), Workmen's Compensation - $59.00, monthly charge based on payroll and assigned compensation rate for mine.

Insurance on compressor - $2.70 (rented from Sinclair).

Item 11
F. I. C. A. - $23.85, substantiated by payroll.
Tax - $34.29, property tax, Lake County; not allowed.
Road - $20.00, snow removal; allowable.
Assays - $1.50, allowable.

Total claimed			$2,150.52
Deductions:	Saw rental	$ 3.50	
	Taxes	34.29	37.79
			$2,112.73

Approved for payment: one-half of $2,112.73 = $1,056.37.

cc: 5
AHKoschmann
E34
DMEA Chron.

Scott W Hazen Jr
Scott W. Hazen, Jr.,
Mining Engineer

WM. W. TRAVER, JR. CHIEF, COLORADO BRANCH 13 FEB 1952
MINING DIVISION
M. H. SALSBURY, BOX 602 LEADVILLE, COLO.

DMA 627 CONTRACT 1DMA-E34 CARWELL MINING COMPANY HAYDEN SHAFT
PROGRESS REPORT FOR JANUARY 1952

I HAVE MADE AN UNDERGROUND INSPECTION CHECKING PROGRESS FOR JANUARY 1952 AS REPORTED BY R. S. PATRICK AND FIND IT CORRECT.

M. H. Salsbury

M. H. SALSBURY

Colorado Branch

Date Rec'd
FEB 13 1952
BUREAU OF MINES
Denver, Colorado

Caswell Mining Company

DATE PAYABLE _____ PAGE _____

DISTRICT	DMM
SWT	
EXAMINATION	
DIST. CLERK	
PERSONNEL	
FILES	E34

PAY ROLL FOR PERIOD January 1952 19 TO 19

WILSON JONES FORM 686-40 MADE IN U.S.A.

	NO.	TIME WORKED DAYS	TIME WORKED HOURS	RATE PER Days	EARNINGS REGULAR	EARNINGS EXTRA FOR OVERTIME	EARNINGS TOTAL	DEDUCTIONS O. A. B.	DEDUCTIONS WITH-HOLDING TAX	DEDUCTIONS BONDS	NET PAID AMOUNT	NET PAID CHECK NO.	TAXABLE EARNINGS	
Hugh McKenna	1	24		13	31200	650	31850	477	2980		28393			Timberman
J. H. Roberts	1	26		11.50	29900	1725	31625	475	4100		27050			Hoistman
J. F. Lane	1	26		12	31200	1800	33000	495	5440		27065			Miner
V. L. Phillips	1	26		10	26000	1500	27500	412	2180		24908			Topman
R. B. Patrick	1				35000		35000	526	7040		27434			Superintendent
Total					153300	5675	158975	2385	21740		134850			

CUT LEAF METHOD: Write names on left hand page and cut off Supplementary Sheets at the spline.

PAGE_____ DATE PAYABLE_____

PAY ROLL FOR PERIOD 19 TO 19

NAME	Exempt'n Class	NO.	TIME WORKED		RATE PER	EARNINGS			DEDUCTIONS			NET PAID		TAXABLE EARNINGS
			DAYS	HOURS		REGULAR	EXTRA FOR OVERTIME	TOTAL	O. A. B.	WITH-HOLDING TAX	BONDS	AMOUNT	CHECK NO.	
AMOUNTS FORWARDED														

105 East Ninth Street
Leadville, Colorado
February 5, 1952

Mr. W. L. Pruver, Jr.
United States Bureau of Mines
Bldg. 20, Denver Federal Center
Denver, Colorado

Dear Sir:

Following is the narrative description to accompany form MF-124 for the month of January 1952.

The drift from the face of the Hayden Lateral was driven N 82°E, a total distance of 88 feet and a drift was turned from it to the southeast for a distance of 25 feet on the lower contact of the gray porphyry sill. This contact is 50 feet east of the face of the Hayden lateral. It strikes northwest and dips about 30° to the southwest. It is a very irregular contact and appears to be cross cutting upward through the sediments. Just under the contact there is some quartzite and the green shale characteristic of the lower contact of the Martin quartzite. Just below this, in the east drift, is the top of the Manitou limestone exhibiting chert inclusions. The limestone just below the contact is fractured and stained with manganese and iron. This material may contain some silver. Some pyrite and galena is also in evidence.

About 15 feet from the face of the east drift, a vein of manganiferous silver was cut. It is from 1 to 2 inches wide and assays 26.2 oz. silver. This vein strikes N 40°W and dips 80° to the south west. The bedding on the hanging wall side turns down suggesting that it may be a small reverse fault, although the displacement cannot be measured. There is also a fault of similar strike and dip in the porphyry contact although it is very hard to see and may be associated with the intrusion of the porphyry. The drift following the contact will probably intersect the mineralized vein shortly.

A total of 87 feet of drift was driven and 360 cars of muck hoisted.

Yours truly,
Cudwell Mining Company
R.B. Patrick
R. B. Patrick, Supt.

RBP:dr:dmy

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]	1239.75	9308.65	10,548.40	1239.75	9308.65	10548.40
5. Supervision	350.00	350.00	700.00	350.00	350.00	700.00
6. Supplies						
(a) Timber		69.19	69.19		69.19	69.19
(b) Explosives		93.00	93.00		93.00	93.00
(c) Repair Parts		19.41	19.41		19.41	19.41
(d) Other	51.42	6005.63	6057.05	51.42	6005.63	6057.05
7. Power	114.15	476.16	590.31	114.15	476.16	590.31
8. Transportation	5.00	231.65	236.65	5.00	231.65	236.65
9. Insurance						
(a) Fire						
(b) Public Liability						
(c) Workmen's Compensation	59.00	463.90	522.90	59.00	463.90	522.90
Insurance on Compressor	2.70	113.75	116.45	2.70	113.75	116.45
10. Contract Work						
11. Other (specify)						
F. I. C. A.	23.85	226.41	306.05	23.85	226.41	250.26
TAX	34.29					
PLOWING ROAD	20.00			20.00		20.00
ASSAYERS	1.50			1.50		1.50
	79.64					
Total	2150.52	18722.89	20,873.41	2112.73	18722.89	20,835.62
Deletions						
Adjusted totals						
Totals previously reported	18722.89					
Totals to date	20,873.41					

[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 /s/ Scott W. Hazen, Jr. 1056.32 WJM WLD
Amount approved for payment $1056.37 $1056.37
Remarks

16—64068-3

EXPLORATION UNIT COST AND PROGRESS REPORT FOR MONTH OF Jan. 52

(Supply Data Below Applicable Only to Your Operations)

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	1589.75		51.42	509.35	2150.52		25			
Crosscutting										
Raising										
Shafts										
Winzes										
Drill holes										
Overburden										
Rehabilitation and preparation										
Geology and geophysics										
Trenching										
Sampling and assaying										
Roads and trails										
Test pits										
Other (specify)										
Totals										

[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

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

224 New Customhouse
Denver 2, Colorado

May 9, 1952

Memorandum

To: Secretary to the Operating Committee
Defense Minerals Exploration Administration

From: Executive Officer, Field Team, Region IV

Subject: Form MF-104, DMA Docket 627, Contract I-DMA-E34, Cadwell Mining Company, Lake County, Colorado

Enclosed are the Operator's Monthly Progress Report (Supplemental), Form MF-104, Operator's Narrative Report, Inspecting Engineer's Report and other supporting data for the month of December, 1951, pertaining to DMA Docket 627, Contract I-DMA-E34, Cadwell Mining Company.

W. H. King
W. H. King, for
J. H. East, Jr.

Enclosures

March - 1952
No progress

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
MAY 12 1952

MF-104
(August 1951)

Budget Bureau No. 42-R1036.2.
Approval Expires 6-30-52.

Copy

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Contract No.
Idm-E 34

Name of Operator CADWELL MINING COMPANY
Docket No. DMA 627
Total Contract Amount, $89,922.00
Government Participation: 50 % Amount, $
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.

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.

CADWELL MINING COMPANY
(Name of Company)

By E. W. Lumberg
(Signature of Authorized Official)

April 14, 1952
(Date)

Secretary Treasurer
(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--64068-8

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						
(b) Buildings						
(c) Fixtures						
2. Operating Equipment:						
(a) Purchased[1]						
(b) Rented[2]	245.36				0*	
(c) Furnished by operator						
3. Rehabilitation and Repairs:						
(a) Facilities						
(b) Buildings						
(c) Installations						

16—64068-3

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

224 New Customhouse
Denver 2, Colorado

May 9, 1952

Memorandum

To: Secretary to the Operating Committee
Defense Minerals Exploration Administration

From: Executive Officer, Field Team, Region IV

Subject: Form MF-104, DMA Docket 627, Contract I-DMA-E34, Cadwell Mining Company, Lake County, Colorado

Enclosed are the Operator's Monthly Progress Report (Supplemental), Form MF-104, Operator's Narrative Report, Inspecting Engineer's Report and other supporting data for the month of December, 1951, pertaining to DMA Docket 627, Contract I-DMA-E34, Cadwell Mining Company.

W. H. King
W. H. King, for
J. H. East, Jr.

Enclosures

1d

cc: Contract, chron.
Keschmann
Traver

Mining Division
Region IV

April 29, 1952

Memorandum

To: T. A. Christensen

From: Acting Chief, Mining Division, Region IV

Subject: DMA Docket 627, Contract I-DMA-E34, Cadwell Mining Company, Lake County, Colorado - Operator's Monthly Progress Report (Supplemental) for the period of December, 1951.

Enclosed are the original and three copies of a supplemental Form MF-104 Report, and Engineer's Report constituting a reclaim of disallowed and omitted amounts from previous MF-104 Reports.

Payment is recommended for the amount of $11.65, which is 50 percent of the total of $23.31.

J. F. Shaw
J. F. Shaw for
W. H. King

Enclosures

JWT:oc
cc: Secretary to the Oper. Comm.
Contract
Traver
Chron.
Koschmann (2)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20
Denver Federal Center
Denver 14, Colorado
April 24, 1952

Memorandum

To: Acting Chief, Mining Division, Region IV

From: Chief, Colorado Branch, Mining Division

Subject: DMA 627, Contract I-DMA-E34, Cadwell Mining Company (Hayden Shaft), Lake County, Colorado - supplemental for December 1951

Please find enclosed four copies of the subject supplemental forms MF-104 and one copy of the Audit Section difference statement, with six copies of Scott W. Hazen's memorandum covering the inspection.

Hazen approves payment of 50 percent of the amount claimed.

Scott W. Hazen, Jr., for
W. M. Traver, Jr.

Enclosures

SWH/amh

cc 3
AHKoschmann
E34
DMEA Chron.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20
Denver Federal Center
Denver 14, Colorado
April 24, 1952

Memorandum

To: Chief, Colorado Branch, Mining Division, Region IV

From: Scott W. Hasen, Jr.

Subject: DMA 627, Contract I-DMA-E34, Cadwell Mining Company (Hayden Shaft), Lake County, Colorado - supplemental for December 1951

E. W. Lumberg, secretary-treasurer of the Cadwell Mining Company, has submitted a supplemental MF-104 claiming FICA payment of $13.31 and $10.00 payroll deduction made by the Bureau of Mines Audit Section.

The FICA payment can be approved as the amount actually appeared on the December payroll but was omitted in transferring the payroll figure to the MF-104 forms.

The $10.00 payroll for V. L. Phillips is allowable as the error in deducting this item was made by the Audit Section of the Bureau of Mines. The payroll was prepared and computed correctly and the correct total appeared on the MF-104 forms; however, an error was made in extensions of money due and paid to the employee, V. L. Phillips. This amount does not alter or affect the amount expended for payroll for the month or the amount on the MF-104 forms. The total payroll figure is all that appears on the MF-104 form and it was correct. The deduction should not have been made.

Payment is approved for 50 percent of the $23.31 claimed, or for $11.65.

No information about mine

Scott W Hasen Jr
Scott W. Hasen, Jr.,
Mining Engineer

SWH/amh

cc 5
AHKoschmann
E34
DMEA Chron.

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						
	1000	V. L. Phillips 12/ 51				
	13.31	FICA Omitted on December 1951 Payroll				
4. Labor [3]				10.00	[illegible]	
5. Supervision						
6. Supplies				13.31	[illegible]	
(a) Timber						
(b) Explosives						
(c) Repair Parts						
(d) Other						
7. Power						
8. Transportation						
9. Insurance						
(a) Fire						
(b) Public Liability						
(c) Workmen's Compensation						
10. Contract Work						
11. Other (specify)						
Total	23.31			23.31		
Deletions						
Adjusted totals						
Totals previously reported						
Totals to date						

[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 Scott W. Hazen, Jr. IVY
Amount approved for payment 11.65
Remarks

16—64068-3

Schedule DMA 52-48
May 7, 1952
11.65

EXPLORATION UNIT COST AND PROGRESS REPORT FOR MONTH OF _____

(Supply Data Below Applicable Only to Your Operations)

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										
Crosscutting										
Raising										
Shafts										
Winzes										
Drill holes										
Overburden										
Rehabilitation and preparation										
Geology and geophysics										
Trenching										
Sampling and assaying										
Roads and trails										
Test pits										
Other (specify)										
Totals										

[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

MF-104
(August 1951) Copy

Budget Bureau No. 42-R1036.2.
Approval Expires 6-30-52.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Contract No. Idm-E 34

Name of Operator CADWELL MINING COMPANY
Docket No. DMA 627
Total Contract Amount $ 89,922.00
Government Participation: 50 % Amount, $
Distribution of Expenditures for Month of December 1951

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.

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.

CADWELL MINING COMPANY
(Name of Company)

By E. W. Lumberg
(Signature of Authorized Official)

January 14, 1952
(Date)

Secretary & Treasurer
(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						
(b) Buildings						
(c) Fixtures						
2. Operating Equipment:						
(a) Purchased[1]						
(b) Rented[2]	248.86	1116.28	1365.14	245.36	1116.28	1361.64
(c) Furnished by operator						
3. Rehabilitation and Repairs:						
(a) Facilities						
(b) Buildings						
(c) Installations						

WMT/dd

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20
Denver Federal Center
Denver 14, Colorado
February 4, 1952

Memorandum

To: Acting Chief, Mining Division, Region IV

From: Chief, Colorado Branch, Mining Division

Subject: BMA 627, Contract I-DMB-M34, Cadwell Mining Company (Hayden Shaft), Lake County, Colorado - December 1951 progress report

E. W. Lumberg, secretary-treasurer of the Cadwell Mining Company, brought the December 1951 accounts to the Colorado Branch office January 25, 1951, for checking.

Item 2 (b). Operating Equipment Rented, presently in use, consists of the following:

Bench grinder	$ 150.00
4 Cars	1,500.00 ?
Cage	1,700.00
Compressor	3,500.00
Slusher hoist	1,102.00
Hoist	5,500.00
1 Jackhammer	345.00
Air receiver	210.00
1 Jack leg	195.00
Pump	520.00
	$14,722.00 = $245.36
	60

The contractor has included again $3.50 for temporary rental of a framing saw which was disallowed on the November 1951 account. This is disallowed also on the present account unless he has requested an amendment. For the record, I consider an amount of $1,500.00 as excessive for four cars and am wondering how many cars are included in the $2,190.00 allowed in the contract.

The field engineers have not as yet found the time to list and identify the rental equipment.

Items 4 and 5. Labor and Supervision, are confirmed by the attached copies of the payroll. $1,582.44.

Item 6 (a). Supplies and Timber, $69.19. Receipted invoice from Smith Lumber Company.

Item 6 (b). Explosives, $93.00. Receipted invoice from Resurrection Mining Company.

Item 6 (d). Other, $277.82, consisting of the following invoices:

*$	14.00	Primers, Resurrection Mining Company
*	35.00	Primers, Resurrection Mining Company
	11.40	Loading sticks (12), Resurrection Mining Company
	1.11	Batteries, Ryall Electric Company
	135.00	Battery grids
	1.74	Postage (maps to Bureau of Mines)
	14.19	Stationery supplies, Cass Stationery Company
	14.80	Screw plugs, Union Supply Company
	28.26	Miscellaneous supplies, Biggs Kurts Company, Grand Junction
	22.32	Harry Sinclair for compressor oil

*Should be explosives. The contractor was so advised.

Item 7. Power, $90.15. Public Service Company of Colorado.

Item 8. Transportation, $7.89, as follows:

$	4.45	King Transfer Company, delivery of battery grids
	1.59	King Transfer Company, delivery of compressor oil
	1.85	Rio Grande Motorway, delivery of Grand Junction supplies

Item 9 (a). Workmen's Compensation, $63.00 checks with invoice from State fund.
$ 2.70 Insurance on compressor.

Item 11. Other, $ 4.63, Long distance call, Denver to Leadville, concerning project operation. While not allowed under the contract, I would consider it as a legitimate cost of operation.
13.31, FICA, is substantiated by the payroll.

Total, $2,449.49, checks the contractor's $2,452.99, reflecting the $3.50 disallowed.

If the telephone call is allowed and disallowance of the $3.50 for the framing saw approved, payment is recommended of $1,224.75, or 50 percent of the total of $2,449.49 shown above. The contractor's additions are correct.

W. M. Traver, Jr.

W. M. Traver, Jr.

cc 5
AHKoschmann
E34
DMA Chron.

WM. N. TRAVER, JR.
CHIEF, COLORADO BRANCH MINING DIVISION
M. H. SALISBURY

18 JANUARY 1952

SMA 627 CONTRACT ISMA-E34-CADWELL MINING COMPANY, HAYDEN SHAFT
PROGRESS REPORT FOR DEC 1951.

I HAVE CHECKED THE NARRATIVE REPORT ON THE ABOVE PROJECT FOR DECEMBER 1951 SUBMITTED BY R. S. PATRICK AND FIND IT CORRECT. THE LIMESTONE BEING SOUGHT IN THE 9TH LEVEL DRIFT AND MENTIONED IN THE REPORT WAS REACHED THIS MORNING.

M. H. Salisbury
M. H. SALISBURY

CADWELL MINING COMPANY

DATE PAYABLE _____ PAGE _____

PAY ROLL FOR PERIOD December 1951 19 TO 19

MADE IN U.S.A.

WILSON JONES FORM 686-40

	NO.	TIME WORKED DAYS	TIME WORKED HOURS	RATE PER	EARNINGS REGULAR	EARNINGS EXTRA FOR OVERTIME	EARNINGS TOTAL	DEDUCTIONS O. A. B.	DEDUCTIONS WITH-HOLDING TAX	DEDUCTIONS BONDS	NET PAID AMOUNT	NET PAID CHECK NO.	TAXABLE EARNINGS	
		Shifts		Days										
Hugh McKenna	1	25		13,	325 00	3250	357500		3860	3860	318 90			Timbermen
J.H. Roberts	1	25		11.50	28750	2875	31625	474	4100	4574	260 51			Hoistman
J.F. Lane	1	24		12,	28800	2400	31200	468	5120	5588	256 12			Miner
V. L. Phillips	1	24		10,	24000	2000	26000	389	3000	3389	236 11			Topmen
R. Patrick	1				35000		35000		7040	7040	279 60			Superintendent
	5	98			149050	10525	159575	1331	23120		1351 24			

CUT LEAF METHOD: Write names on left hand page and cut off Supplementary Sheets at this line.

PAGE_____ DATE PAYABLE_____

PAY ROLL FOR PERIOD 19 TO 19

NAME	Exempt'n Class	NO.	TIME WORKED		RATE PER	EARNINGS			DEDUCTIONS				NET PAID		TAXABLE EARNINGS
			DAYS	HOURS		REGULAR	EXTRA FOR OVERTIME	TOTAL	O. A. B.	WITH-HOLDING TAX	BONDS		AMOUNT	CHECK NO.	
AMOUNTS FORWARDED															

105 East Sixth Street
Leadville, Colorado
January 3, 1952

Mr. W. B. Denver, Jr.
United States Bureau of Mines
Bldg. 20, Denver Federal Center
Denver, Colorado

Dear Sir:

Following is the narrative description to accompany form MF-104 for the month of December 1951.

The cave on the sixth level was cleaned up exposing the breast of the drift at coordinates E 0110 and S 5150. The breast is in gray porphyry and the porphyry-limestone contact must be only a short distance ahead. The fault which crossed this drift approximately 50 feet from the shaft should project to the tunnel level about 20 feet ahead of the Hayden lateral. Mr. W. J. Walker thought that if the lateral was driven ahead through this fault the Manitou Limestone might be encountered. Accordingly a drift has been driven from the face of the lateral for 26 feet and is still in gray porphyry. One small clip has been encountered which may correspond to the fault on the sixth level, but it is very insignificant looking in comparison. If the face is still in porphyry at 30 feet the drift should probably be stopped and work resumed on another project. 29 cars of waste were hoisted from the fourth level, 91 from the sixth level and 106 from the fifth or tunnel level.

The projects may be outlined. Firstly, drive northerly on the tunnel level until the contact between the gray porphyry and the Manitou Limestone is found which could then be followed to the north limit of the claim. If the porphyry crosscuts upward through the bedding to the north the favourable contact would be the Manitou Limestone-Parting Quartzite and would be followed similarly. The second plan of exploration would be to investigate the upper contact of the Manitou Limestone southeast of the Hayden shaft on the sixth level hoping that the roll in the Parting Quartzite shown on the upper levels might extend through the gray porphyry still into the Manitou acting as an ore localizer as it apparently has done in the lower part of the Dyer Dolomite. This seems to be the best explanation for the northwest trend of stoping in the blue limestone from the Denver City shaft through the Hayden to the Menger shaft.

Yours truly,
Cornell Mining Company
R. B. Patrick
R. B. Patrick, Supt.

Schd 3ma 52-24

4.

U. S. DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
REGION IV

Administrative Audit Difference Statement

Date: February 15, 1952
Payee's
Reference: Progress Report
December 1951

Cadwell Mining Company
2450 Kendall Street
Edgewater, Colorado

Upon examination of the above Payee's Reference a difference was found which made it necessary to suspend your account accordingly:

Amount claimed $ 2,452.99

Difference $ - 18.13

Amount Approved $ 2,434.86

The reason for the difference was due to:

Erroneous computation of pay for V. L. Phillips	$ 10.00
Rental framing saw not allowable under terms of contract.	3.50
Long distance call would be general overhead and not allowable under terms of contract	4.63
Total.....	$ 18.13

Any reclaim for deductions made above must be supported by the ORIGINAL of this form.

Very sincerely yours,

N. E. Stokes
Audit Section

R-IV - B&F Form No. 4
5-1-51 - 1M

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						
		1127.40			1127.40	
4. Labor [3]	1232.44	6948.81	9308.65	1222.44	6948.81	9298.65
5. Supervision	350.00		350.00	350.00		350.00
6. Supplies						
(a) Timber	69.19		69.19	69.19		69.19
(b) Explosives	93.00		93.00	93.00		93.00
(c) Repair Parts		19.41	19.41	[illegible]	19.41	19.41
(d) Other	277.82	5727.81	6005.63	277.82	5727.81	6005.63
7. Power	90.15	386.01	476.16	90.15	386.01	476.16
8. Transportation	7.89	223.76	231.65	7.89	223.76	231.65
9. Insurance						
(a) Fire						
(b) Public Liability						
(c) Workmen's Compensation	63.00	400.90	463.90	63.00	400.90	463.90
	2.70	111.05	113.75	2.70	111.05	113.75
10. Contract Work						
11. Other (specify) Phone	4.63			--	---	---
FICA	13.31			13.31	208.47	221.78
	17.94	208.47	226.41			
Total	2452.99	16269.90	18722.89	18.13	16,269.90	18,704.76
Deletions				2434.86		
Adjusted totals				16,269.90		
Totals previously reported	16269.90			18,704.76		
Totals to date	18722.89					

[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 W. M. Traver, Jr. 1224.75
Amount approved for payment
Remarks

16—64068-3

EXPLORATION UNIT COST AND PROGRESS REPORT FOR MONTH OF _____

(Supply Data Below Applicable Only to Your Operations)

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	1582.44		440.01	430.54	2452.99					
Crosscutting										
Raising										
Shafts										
Winzes										
Drill holes										
Overburden										
Rehabilitation and preparation										
Geology and geophysics										
Trenching										
Sampling and assaying										
Roads and trails										
Test pits										
Other (specify)										
Totals										

[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

MF-104
(April 1951)

Budget Bureau No. 42-R1036.
Approval expires 6-30-51.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

DIST. ENGR.	
EXAMINATION	
DIST. CLERK	
PERSONNEL	
FILES	

Colorado Branch

Date Rec'd
DEC 13 1951
BUREAU OF MINES
Denver, Colorado

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 will be made from time to time.

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.

CADWELL MINING CO.
(Name of Company)

By E. W. Lumb
(Signature of Authorized Official)

Dec. 10/51
(Date)

Secretary and Treasurer
(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—64068-1

MONTHLY SUMMARY COST STATEMENT

Name of operator CADWELL MINING CO.
Project No. DMA 627
Total contract amount 89,922.00
Government participation percent 50%

Distribution of Expenditures for Month of Nov. 51

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals to Date
Wages and salaries	1377.01	5571.80	6948.81	1377.01	5571.80	6,948.81
Equipment purchase [1]						
Equipment rental [2] 3.50	248.86	867.42	1116.28	245.36	867.42	1112.78
Buildings						
Explosives						
Repair parts		19.41	19.41		19.41	19.41
Other supplies	159.87	5567.94	5727.81	159.87	5567.94	5727.81
Power	123.75	262.26	386.01	123.75	262.26	386.01
Transportation	1.44	222.32	223.76	1.44	222.32	223.76
Withholding taxes	231.06	896.34	1127.40	231.06	896.34	1127.40
Compensation insurance	59.00	341.90	400.90	59.00	341.90	400.90
Other insurance	100.25	10.80	111.05	100.25	10.80	111.05
Contract work						
Other (specify)	73.65	134.82	208.47	13.96	134.82	148.78
Overtime 59.69						
F.I.C.A. 13.96						
Total 73.65	2374.89	13895.01	16269.90	2311.70	13,895.01	16,206.71
	2371.39					
Totals previously reported	13895.01			13,895.01		
Totals to date	16,269.90			16,206.71		

FOR GOVERNMENT USE ONLY

Checked by
Entered by
Approved by Wm. Graver, Jr.
Amount approved for payment
Remarks

[1] Enter total purchase price in month purchase is made.
[2] Payments for rental of equipment or prorated depreciation on equipment owned by contractor.

16—64068-1

Sched DMA 52-20

U. S. DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
REGION IV

Administrative Audit Difference Statement

Date: January 29, 1952
Payee's
Reference: Progress Report
November 1951

Cadwell Mining Company
2450 Kendall Street
Edgewater, Colorado

Upon examination of the above Payee's Reference a difference was found which made it necessary to suspend your account accordingly:

Amount claimed $ 2,371.69

Difference $ - 63.19

Amount Approved $ 2,308.50

The reason for the difference was due to:

Overtime included in figure claimed for "Wages and Salaries" and again under "Other" on E.F.304.....$ 59.69

Rental of framing saw not covered by contract..... 3.50

Total.....$ 63.19

Any reclaim for deductions made above must be supported by the ORIGINAL of this form.

Very sincerely yours,

D. S. Stokes
Audit Section

R-IV - B&F Form No. 4
5-1-51 - 1M

WMT/dd

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20
Denver Federal Center
Denver 14, Colorado
December 28, 1951

Memorandum

Mining Division
Date Rec'd.
DEC 29 1951
BUREAU OF MINES
Denver, Colorado

To: Chief, Mining Division, Region IV

From: Chief, Colorado Branch, Mining Division

Subject: DMA 627, Contract I-DMA-E34, Cadwell Mining Company, Leadville, Lake County, Colorado - Progress Report for November 1951

Please find enclosed four copies of the above progress report, form MF-104, and narrative, six copies of M. H. Salsbury's memorandum covering the underground inspection, and six copies of this memorandum on inspection of the contractor's accounts.

E. W. Lumberg, Secretary-Treasurer of the Cadwell Mining Company, brought his accounts to the Colorado Branch office December 27. The entries on the MF-104 forms are confirmed by receipted invoices and a copy of the November payrolls.

An item of $3.50 under equipment rental is disallowed. It covers a charge of that amount for rental of a framing saw not included under the contract.

In accordance with Director East's memorandum of December 20, 1951, rented equipment is itemized as follows:

Bench grinder	$ 150.00	Hoist	$ 5,500.00
Ore cars	1,500.00	1 Jackhammer	345.00
Cage	1,700.00	Air Receiver	210.00
Compressor	3,500.00	1 Jackleg	195.00
Slusher hoist	1,102.00	Pump	520.00
Total rented equipment			$14,722.00

$$\frac{\$14,722.00}{60} = \$245.36$$

$$\$245.36 + \$3.50 = \$248.86$$

$3.50 disallowed

The total of $2,374.89 reported by the contractor is reduced by $3.50 disallowance to $2,371.39. Fifty percent of that amount, or $1,185.69, is approved for payment.

The Superintendent, R. B. Patrick, is devoting part time to other work in the district and only his actual time worked on the project is charged for November. This accounts for the charge of $425.00 instead of the $500.00 allowed under the contract.

Your attention is called to the fact that no entries have been made under Progress on page 4 of the MP-104's for this contract since its inception. Most of the work has been for rehabilitation of various levels of the Hayden mine since completion of the shaft re-timbering. There is no provision for level rehabilitation in the contract and possibly an amendment should be made.

The contractor furnished with his November report one not only of a composite plan map of the Hayden mine and individual plan maps of the first, second, third, fourth, and sixth levels with a plan projection of the porphyry contact above the sixth level. These are being retained in the Colorado Branch office files.

W. M. Traver, Jr.

W. M. Traver, Jr.

enclosures

cc 5
AHKoechmann
R34
DMA Chron.

Cadwell Mining Company
105 East Sixth Street
Leadville, Colorado
December 6, 1951

Mr. W. E. Traver, Jr.
United States Bureau of Mines
Bldg. 20, Denver Federal Center
Denver, Colorado

Dear Sir:

Following is the narrative description to accompany form IR-104 for the month of November 1951.

At the beginning of the month work was started on cleaning out the bottom of the Hayden shaft. An accumulation of muck, timber and junk, twelve feet deep, was removed exposing the bottom and the sixth level station. This station sill is 30 feet below the Drainage Tunnel and 499.5 feet below the collar of the Hayden shaft. The sump was just large enough to allow a bucket to come below the sill. A small sump was shot out in the drift to hold the inflow of water while the shaft sump was being drilled to square it up. This now gives us a sump four feet deep over the full area of the shaft. Following this operation, partition, ladders and guides were installed to the bottom of the shaft and a skip put in the shaft to replace the bucket.

Work was then started to clean up the level. The cleanup progressed to a point 50 feet from the shaft where a small fault crosses the drift bringing it into gray porphyry. There is a large cave at this point which is being mucked and timbered at the present time.

The inflow of water each night requires slightly over one hour to pump out each morning. This time has been used to clean up the fourth level from a point where the drift crosses coordinate E8075 to where it intersects E8007. This drift is open beyond the present cleanup point but is in poor condition. When repaired it will afford a base for diamond drilling the south end of the property. There is air circulating through it suggesting that there may be a connection with the third level workings of the Hayden or possibly with the Denver City workings on the Forest City claim.

In the month of November 123 skips of muck have been hoisted from the fourth level and 50 from the sixth. This amount from the sixth level does not include the muck removed from the shaft and the station.

All of the accessible openings have been mapped by Mr. W. J. Walker and myself and copies are being sent to you under separate cover.

Yours truly,
Cadwell Mining Company
R. B. Patrick
R. B. Patrick, Supt.

DISTRIBUTION OF WAGES AND SALARIES FOR MONTH OF Nov. 51

Name of operator CADWELL MINING CO.
Project No. DMA 627
Total contract amount 89,922.00
Government participation percent 50%

TYPE	NUMBER	MAN-SHIFTS	RATE	TOTAL
Miners	1	24	$ 12.00	$ 288.00
Muckers				
Trammers				
Timbermen	1	25	13.00	325.00
Pumpmen				
Hoistmen	1	25¼	11.50	290.38
Surface	1	22	10.00	220.00
Samplers				
Assayers				
Shift bosses				
Mechanics				
Electricians				
Blacksmiths				
Carpenters				
Drill runners				
Drill helpers				
Teamsters				
Manager				
Superintendent	1	[illegible]	425.00	425.00
Engineers				
Geologists				
Bookkeeper				
Foreman				
Clerks				
Stenographers				
Other Overtime				59.69
TOTAL	5	96¼		1608.07

NOTE.—Show only that portion of supervisory, office, and engineering salaries that is chargeable to this project.

FOR GOVERNMENT USE ONLY

Checked by
Entered by
Approved by W. M. Naver, Jr.
Remarks

W.K.K.
JME

16—64068-1

EXPLORATION UNIT COST AND PROGRESS REPORT FOR MONTH OF Nov. 51

Name of operator CADWELL MINING CO.
Project No. DMA 627
Total contract amount 89,922.00
Government participation, percent 50%

Item	Costs					Progress				
	Wages [1] and salaries	Equipment [2]	Supplies	Other [3]	Total	Unit	Units this month	Units previously reported	Units to date	Units authorized by contract
Drifting	1608.07		159.87	606.95	2374.89					
Crosscutting										
Raising										
Shafts										
Winzes										
Drill holes										
Overburden										
Rehabilitation and preparation										
Geology and geophysics										
Trenching										
Sampling and assaying										
Roads and trails										
Test pits										
Other (specify)										
Totals										

[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.

16—64068-1 U. S. GOVERNMENT PRINTING OFFICE

FOR GOVERNMENT USE ONLY

Checked by
Entered by
Approved by W. M. Fraser, Jr.
Remarks

MF-104
(April 1951)

Copy

Budget Bureau No. 42-R1036.1.
Approval expires 8-31-51.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

O.K.

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 will be made from time to time.

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.

CADWELL MINING CO.
(Name of Company)

By E. W. LUMBERG
(Signature of Authorized Official)

November 10, 1951
(Date)

Secretary & Treasurer
(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—64068-2

MONTHLY SUMMARY COST STATEMENT

Name of operator CADWELL MINING CO.
Project No. DMA 627
Total contract amount 89,922.00
Government participation percent 50%

Distribution of Expenditures for Month of October 1951

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals to Date
Wages and salaries	1223.81	4347.99	5571.80	1223.81	4347.99	5571.80
Equipment purchase [1]						
Equipment rental [2]	245.36	622.06	867.42	245.36	622.06	867.42
Buildings						
Explosives						
Repair parts		19.41	19.41		19.41	19.41
Other supplies	441.82	5126.12	5567.94	441.82	5126.12	5567.94
Power	69.00	193.26	262.26	69.00	193.26	262.26
Transportation	21.17	201.15	222.32	21.17	201.15	222.32
Withholding taxes	199.69	696.65	896.34	199.69	696.65	896.34
Compensation insurance	46.00	295.90	341.90	46.00	295.90	341.90
Other insurance	2.70	8.10	10.80	2.70	8.10	10.80
Contract work						
Other (specify)	70.59	64.23	134.82	70.59	64.23	134.82
F.I.C.A. 22.09						
Overtime 48.50						
Total 70.59	2320.14	11574.87	13895.01	23320.14		
Totals previously reported	11574.87			11,574.87		
Totals to date	13895.01			13,895.01		

FOR GOVERNMENT USE ONLY

Checked by
Entered by
Approved by W. M. Traver, Jr. W.M.
Amount approved for payment
Remarks 1160.07 PTA

[1] Enter total purchase price in month purchase is made.
[2] Payments for rental of equipment or prorated depreciation on equipment owned by contractor.

16—64068-1

WMT/dd

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Building 20
Denver Federal Center
Denver 14, Colorado
November 26, 1951

Mining Division
Date Rec'd.
NOV 27 1951
BUREAU OF MINES
Denver, Colorado

Memorandum

To: Chief, Mining Division, Region IV

From: Chief, Colorado Branch, Mining Division

Subject: DMA 627, Contract I-DMA-E34, Cadwell Mining Company, Leadville, Lake County, Colorado - Progress Report, October 1951

Please find enclosed four copies of the above progress report, form MF-104, six copies of M. H. Salsbury's memorandum concerning the underground inspection, and six copies of this memorandum covering inspection of the accounting records.

E. W. Lumberg, secretary and treasurer, brought his company's accounts to the Colorado Branch office November 21, and the payroll and receipted invoices were found in agreement with entries on the MF-104 forms.

As a matter of record, the item of $21.17 for transportation includes $19.60 expended by the mine superintendent in making a trip to inspect a second-hand pump offered for purchase. I would consider it an allowable charge. The accounts are, accordingly, approved for payment of $1,160.07, or fifty percent of the $2,320.14 claimed.

W. M. Traver Jr.

W. M. Traver, Jr.

enclosures

cc 5
AHKeschmann
E34
DMA Chron.

WM. M. TRAVER, JR.

W. H. SALSBURY

INSPECTION OF HAYDEN SHAFT. DBA 627

I VISITED THE HAYDEN SHAFT OF THE CADWELL MINING COMPANY AND FOUND THE NARRATIVE REPORT OF OCTOBER OPERATIONS CORRECT.

AS A MATTER OF RECORD THERE HAS BEEN INSTALLED IN THE SHAFT 470 FEET OF 3" AIR COLUMN, 470 FT OF 3 WIRE 440 V. CABLE AND 490 FT OF 4 X 4 SWEPT GUIDE.

VERY TRULY YOURS,

W. H. Salsbury

W. H. SALSBURY

Cadwell Mining Company
105 East Sixth Street
Leadville, Colorado
November, 4, 1951

Mr. W. M. Traver Jr.
United States Bureau of Mines
Bldg. 20, Denver Federal Center
Denver, Colorado

Dear Sir:

Following is the narrative description to accompany form MF-104 for the month of October, 1951.

On the first of the month cleanup was started on the fourth level of the Hayden shaft. This level was open for approximately 100 feet. Track was laid from the station to a cave closing the drift. The cave was cleaned up releasing a large volume of water. The drift behind this cave is standing open but is full of muck which must have been mucked in. At the point where the cave was cleaned up a small drift goes to the left.

This work was stopped in favor of other work which we wished to accomplish before winter set in. A three inch air column was installed down to the Leadville Drainage Tunnel. 150 feet of this was old pipe recovered from the shaft and fitted with Victaulic couplings. The remainder is new pipe in 63 foot sections joined with flanged couplings. A three wire power cable capable of handling fifteen horsepower was installed to the tunnel level making 440 volt three phase power available for electric pumping. 4"x4" finished guides were placed in the hoist compartment to the tunnel level. Remodeling was done on the headframe to allow the installation of dump irons for a skip.

Following this work the shaft below the tunnel was pumped out using a Pacific Pump with a capacity of 20 GPM and an Ingersoll Rand No. 25 air sump pump good for 150 GPM. About thirty feet below the tunnel level there is another station on the south east side of the shaft. This station is almost full of muck and timber which must be cleaned out to permit access. The inflow of water is only about 10 GPM so no difficulty should be encountered in working this level once it is cleaned out.

Yours truly,

Cadwell Mining Company

R B Patrick

R. B. Patrick, Supt.

DISTRIBUTION OF WAGES AND SALARIES FOR MONTH OF October - 1951

Name of operator Cadwell Mining Co.
Project No. DMA 627
Total contract amount 89,922.00
Government participation percent 50%

Type	Number	Man-Shifts	Rate	Total
Miners	1	24	$ 12.00	$ 288.00
Muckers				
Trammers				
Timbermen	1	25	13.00	325.00
Pumpmen				
Hoistmen	1	27	11.50	310.50
Surface				
Samplers				
Assayers				
Shift bosses				
Mechanics				
Electricians				
Blacksmiths				
Carpenters				
Drill runners				
Drill helpers				
Teamsters				
Manager				
Superintendent	1	27	500.00	500.00
Engineers				
Geologists				
Bookkeeper				
Foreman				
Clerks				
Stenographers				
Other Overtime				48.50
Total				1472.00

Note.—Show only that portion of supervisory, office, and engineering salaries that is chargeable to this project.

FOR GOVERNMENT USE ONLY

Checked by
Entered by
Approved by W. M. Traver
Remarks

16—64068-1

EXPLORATION UNIT COST AND PROGRESS REPORT FOR MONTH OF October 1951

Name of operator CADWELL MINING CO.
Project No. DMA 627
Total contract amount 89,922.00
Government participation, percent 50%

Item	Costs					Progress				
	Wages [1] and salaries	Equipment [2]	Supplies	Other [3]	Total	Unit	Units this month	Units previously reported	Units to date	Units authorized by contract
Drifting										
Crosscutting										
Raising										
Shafts										
Winzes										
Drill holes										
Overburden										
Rehabilitation and preparation	1472.00		441.82	406.32	2320.14					
Geology and geophysics										
Trenching										
Sampling and assaying										
Roads and trails										
Test pits										
Other (specify)										
Totals										

[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.

16—64068-1 U. S. GOVERNMENT PRINTING OFFICE

FOR GOVERNMENT USE ONLY

Checked by
Entered by
Approved by W. M. Traver, Jr.
Remarks

MF-104
(April 1951)

Budget Bureau No. 42-R1036.1.
Approval expires 8-31-51.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

C
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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 will be made from time to time.

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.

Cadwell Mining
(Name of Company)

By E. W. Lumberg
(Signature of Authorized Official)

October 13, 1951
(Date)

Sec. & Treasurer
(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—64068-2

MONTHLY SUMMARY COST STATEMENT

Name of operator CADWELL MINING COMPANY
Project No. DMA 627
Total contract amount 89,922.00
Government participation percent 50%

Distribution of Expenditures for Month of Sept., 1951

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals to Date
Wages and salaries	1276.17	3071.82	4347.99	1276.17	3071.82	4347.99
Equipment purchase [1]						
Equipment rental [2]	245.36	376.70	622.06	245.36	376.70	622.06
Buildings						
Explosives						
Repair parts						
Other supplies		19.41	19.41		19.41	19.41
Power	1599.31	3526.81	5126.12	1599.31	3526.81	5126.12
Transportation	69.00	124.26	193.26	69.00	124.26	193.26
Withholding taxes	77.62	123.53	201.15	77.62	123.53	201.15
Compensation insurance	180.08	516.57	696.65	180.08	516.57	696.65
Other insurance	176.45	119.45	295.90	176.45	119.45	295.90
Contract work	2.70	5.40	8.10	2.70	5.40	8.10
Other (specify)						
	32.23	32.00	64.23	32.23	32.00	64.23
F. I. C. A. 21.98 assaying 10.25	3658.92	7915.95	11,574.87	3658.92	7915.95	11,574.87
Totals previously reported	7915.95					
Totals to date	11,574.87					

FOR GOVERNMENT USE ONLY

Checked by
Entered by
Approved by W. M. Traver, Jr. WDM PTA
Amount approved for payment 1829.46
Remarks

[1] Enter total purchase price in month purchase is made.
[2] Payments for rental of equipment or prorated depreciation on equipment owned by contractor.

16—64068-1

WMT/dd

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Building 20
Denver Federal Center
October 26, 1951

Mining Division
Date Rec'd.
OCT 29 1951
BUREAU OF MINES
Denver, Colorado

Memorandum

To: Chief, Mining Division, Region IV

From: Chief, Colorado Branch, Mining Division

Subject: DMA 627, Contract I-DMA-E34, Cadwell Mining Company (Hayden Shaft), Lake County, Colorado - progress report for September, 1951

Please find enclosed four copies of the above progress report, form MP-104, and narrative with six copies of M. H. Salsbury's memorandum verifying the underground progress and six copies of this memorandum approving the accounts.

E. W. Lumberg brought all payroll data, receipted invoices, et cetera, concerned with the September accounts to the Colorado Branch office October 24. They were checked against the MP-104 forms and found in order.

Payment is approved in the amount of $1,829.46, or 50 percent of the total $3,658.92 reported.

It is observed that on the MP-104 forms and narrative September work was confined entirely to rehabilitation of the third level from the Hayden shaft. Only shaft retimbering, drifting on the 408-foot level, and diamond drilling are specifically allowed in the contract and possibly an amendment may be required to permit this September work.

W. M. Traver, Jr.
W. M. Traver, Jr.

enclosures

cc PTAllsman - 5
AHKoschmann
E34
DMA Chron.

W. M. TRAYER, JR. 24 OCT 1951

M. H. SALSBURY

DMA 627 - CONTRACT 1 - DMA-E34, CADWELL MINING CO. HAYDEN SHAFT
VERIFICATION OF SEPT. PROGRESS REPORT.

I VISITED THE HAYDEN SHAFT OF THE CADWELL MINING CO. AND FOUND THE NARRATIVE REPORT OF SEPTEMBER OPERATIONS CORRECT.

M. H. Salsbury
M. H. SALSBURY

Cadwell Mining Co.
105 East Sixth St.
Leadville, Colo.
October 6, 1951

Mr. W. M. Traver Jr.
United States Bureau of Mines
Bldg. 20, Denver Federal Center
Denver, Colo.

Dear Sir;

Following is the narrative description to accompany form MF-104 for the month of September, 1951.

On the first of the month cleanup was started on the third level of the Hayden Shaft. The drift going south east from the shaft was opened for a distance of 56 feet. Work was stopped when a large slab was encountered which almost closed the drift. Cleanup was then started on a drift beginning 28 feet from the shaft and going in a north east direction. This drift goes under the stope labeled "Zinc Carbonate Stope" on the map for 73 feet. Portions of the stope and the second level are now open to examination from this drift. The muck from this drift contained a large amount of mineralization. Three types were found, a sulfide lead-zinc, an oxide zinc, and a manganese ore. Specimens of these assayed as follows;

	Oz. Ag	%Pb	%Zn	%Mn
Sulfide ore	7.6	15.9	27.6	
Oxide zinc ore	0.4	1.4	41.4	5.7
Manganese ore	1.6	0.6	3.4	31.6

// ore ?

Mapping and geological examination of this area will be done by Mr. W. J. Walker in the near future.

A total of 129 feet of drift were reopened and approximately 350 cars of waste were hoisted.

Yours truly

Cadwell Mining CO.

E. W. Lumberg
for R. B. Patrick, Supt.

July 5, 1951

LEAD CARBONATE MINES, INC.
DMA-434

NARRATIVE PROGRESS REPORT

During the period June 21-30th, 1951, the following work was done on Project (1), Exhibit "A" of Exploration Project Contract DMA-434 dated June 21, 1951.

All of the timber for this project was purchased and trucked to the portal of the mine for use on the project. The timbermen mucked out all of the debris at the portal, tore down the old timbers and shed over the portal and then replaced ten (10) feet of new timber and mucked off the bulkheads of the next two sets.

The Engineer worked two (2) days giving proper allignment for the new timbers at both ends of the project, level stakes for the sills and grade stakes for the track.

Part of the time of the Mine Superintendent was charged to this project at the start for he was required to supervise all of this preliminary work to see that it was properly done.

It was contemplated that the first five or six sets would be the most costly and difficult to complete due to the slide rock overburden and the cleaning out of the sides of the tunnel at the portal.

Nothing was done on Project (2) Exhibit "A" of this Contract during this period other than to have two sets of contractors inspect the job to be done and submit bids on doing the work. The bids were not received as yet.

HENRY P. HEILINGER
President

DISTRIBUTION OF WAGES AND SALARIES FOR MONTH OF Sept., 1951

Name of operator Cadwell Mining Co.
Project No. DMA 627
Total contract amount $89,922.00
Government participation percent 50%

TYPE	NUMBER	MAN-SHIFTS	RATE	TOTAL
Miners	1	23	$ 12.00	$ 276.00
Muckers				
Trammers				
Timbermen	1	24	13.00	312.00
Pumpmen				
Hoistmen	1	22	10.50	231.00
Surface	1	9	9.00	81.00
Samplers				
Assayers				
Shift bosses				
Mechanics				
Electricians				
Blacksmiths				
Carpenters				
Drill runners				
Drill helpers				
Teamsters				
Manager				
Superintendent	1		500.00	500.00
Engineers				
Geologists				
Bookkeeper				
Foreman				
Clerks				
Stenographers				
Other Overtime				66.25
TOTAL	5	78		1466.25

NOTE.—Show only that portion of supervisory, office, and engineering salaries that is chargeable to this project.

FOR GOVERNMENT USE ONLY

Checked by
Entered by
Approved by W. M. Traver, Jr.
Remarks

16—64068-1

EXPLORATION UNIT COST AND PROGRESS REPORT FOR MONTH OF Sept., 1951

Name of operator Cadwell Mining Co.
Project No. DMA 627
Total contract amount $89,922.00
Government participation, percent 50%

Item	Costs					Progress				
	Wages [1] and salaries	Equipment [2]	Supplies	Other [3]	Total	Unit	Units this month	Units previously reported	Units to date	Units authorized by contract
Drifting										
Crosscutting										
Raising										
Shafts										
Winzes										
Drill holes										
Overburden										
Rehabilitation and preparation	1466.25		1599.31	593.36	3658.92					
Geology and geophysics										
Trenching										
Sampling and assaying										
Roads and trails										
Test pits										
Other (specify)										
Totals										

[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.

16—64068-1 U. S. GOVERNMENT PRINTING OFFICE

FOR GOVERNMENT USE ONLY

Checked by
Entered by
Approved by W. M. Traver, Jr.
Remarks

MF-94
(April 1951)

Budget Bureau No. 42-R1036.1.
Approval expires 8-31-51.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

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 will be made from time to time.

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.

Cadwell Mining Co.
(Name of Company)

By /E. W. Lumberg
(Signature of Authorized Official)

Sept. 13, 1951
(Date)

Sec. and Treas.
(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.

MONTHLY SUMMARY COST STATEMENT

Name of operator CADWELL MINING CO.
Project No. DMA 627
Total contract amount 89,922.00
Government participation percent 50%

Distribution of Expenditures for Month of August 1951

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals to Date
Wages and salaries	1511.72	1560.10	3071.82	1461.72	1560.10	3021.82
Equipment purchase [1]						
Equipment rental [2]	203.37	173.33	376.70	203.37	173.33	376.70
Buildings						
Explosives						
Repair parts	4.95	14.46	19.41	4.95	14.46	19.41
Other supplies	1390.78	2138.03	3528.81	1390.78	2136.03	3526.81
Power	69.00	55.26	124.26	69.00	55.26	124.26
Transportation	57.83	65.70	123.53	57.83	65.70	123.53
Withholding taxes	240.78	275.79	516.57	240.78	275.79	516.57
Compensation insurance	75.45	44.00	119.45	75.45	44.00	119.45
Other insurance	2.70	2.70	5.40	2.70	2.70	5.40
Contract work						
Other (specify)	32.00		32.00	32.00		32.00
Total	3588.58	4327.37	7915.95	3538.58	4327.37	7865.95
Totals previously reported	4327.37	0		4327.37		
Totals to date	7915.95			7865.95		

FOR GOVERNMENT USE ONLY

Checked by
Entered by
Approved by W. M. Traver, Jr.
Amount approved for payment
Remarks

[1] Enter total purchase price in month purchase is made.
[2] Payments for rental of equipment or prorated depreciation on equipment owned by contractor.

16—64068-1

U. S. DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
REGION IV

Administrative Audit Difference Statement

Date: October 8, 1951
Payee's
Reference: Progress report for August 1951

Cadwell Mining Company
2450 Kendall Street
Edgewater, Colorado

Upon examination of the above Payee's Reference a difference was found which made it necessary to suspend your account accordingly:

Amount claimed $ 3,588.58

Difference $ - 50.00

Amount Approved $ 3,538.58

The reason for the difference was due to:

The contract does not provide for the services of a bookkeeper.

Any reclaim for deductions made above must be supported by the ORIGINAL of this form.

Very sincerely yours,

N. E. Stokes
Audit Section

R-IV - B&F Form No. 4
5-1-51 - 1M

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Building 20
Denver Federal Center
September 28, 1951

Memorandum

To: Chief, Mining Division, Region IV

From: Chief, Colorado Branch, Mining Division

Subject: DMA-627, Contract I-DMA-E34, Cadwell Mining Company (Hayden shaft), Leadville, Lake County, Colorado

Please find enclosed four copies of the August 1951 progress report, form MF-104, covering the subject contract, the cost statement prepared by E. W. Lumberg, secretary and treasurer, and the narrative report by R. B. Patrick, superintendent, together with six copies of an inspection report by W. H. Salsbury verifying the report of underground progress except for a correction of one foot in measurements which does not affect the progress in any way.

E. W. Lumberg brought his books to the Colorado Branch office today and I checked them over with him and found them in order.

Payment of $1,794.29, or 50 percent of the total of $3,588.56 reported, is recommended.

W. M. Traver, Jr.
W. M. Traver, Jr.

enclosures

WM. TRAVER, JR. 24 SEPTEMBER 1951

M. H. SALSBURY

INSPECTION OF HAYDEN SHAFT. OSA: 627

I VISITED THE HAYDEN SHAFT OF THE CASWELL MINING CO. AND VERIFIED THEIR REPORT OF OPERATIONS FOR AUGUST WHICH I FOUND CORRECT EXCEPT FOR A MINOR CORRECTION. THE CORRECTED DEPTH OF THE FIFTH (TUNNEL) LEVEL IS 469.3 FT. BELOW THE COLLAR WHICH MAKES THE DISTANCE REPAIRED 83.3 FEET INSTEAD OF 84.3 FEET AS REPORTED.

M. H. Salsbury

M. H. SALSBURY
MINING ENGINEER

Cadwell Mining Co.
105 East Sixth St.
Leadville, Colo.

Mr. W. H. Traver, Jr.
United States Bureau of Mines
Bldg. 20, Denver Federal Center
Denver, Colo.

Dear Sir:

I wish to present the following narrative description to accompany form MF-104 for the month of August, 1951.

The Hayden Shaft was repaired from a point 386 feet below the collar to the sill of the Leadville Drainage Tunnel 470.3 feet below the collar. New timber was placed from the 386 foot point to 413.6. In this distance station sets were placed on the lowest level which is not shown on the maps. Below the 413.6 point new partition, ladders and platforms were placed down to the tunnel. This then, gives a total of 84.3 feet of shaft repair of which 27.6 feet were completely replaced.

Approximately three days were spent cleaning up a muck pile on the lowest or fourth level to let out water trapped behind it. This was a safety precaution as well as cleanup to allow exploration.

The levels upon which we installed station sets were measured and the distances below the concrete collar are given below with the designation employed on the maps.

	Below collar	Map designation
First level	151.5	Second level
Second level	371.2	380 level
Third level	386.1	400 level
Fourth level	401.6	Not shown
Fifth level (tunnel)	470.3	Not shown

Yours truly,

Cadwell Mining Co.

R B Patrick

R. B. Patrick, Supt.

DISTRIBUTION OF WAGES AND SALARIES FOR MONTH OF August 1951

Name of operator Cadwell Mining Co.
Project No. DMA 627
Total contract amount 89,922.00
Government participation percent 50%

Type	Number	Man-Shifts	Rate	Total
Miners	1	24	$ 12.00	$ 288.00
Muckers				
Trammers				
Timbermen Draftman	1	26	13.00	338.00
Pumpmen				
Hoistmen	1	27	10.50	283.50
Surface	1	26	9.00	234.00
Samplers				
Assayers				
Shift bosses				
Mechanics				
Electricians				
Blacksmiths				
Carpenters				
Drill runners				
Drill helpers				
Teamsters				
Manager				
Superintendent	1		500.00	500.00
Engineers				
Geologists				
Bookkeeper	1		50.00	50.00
Foreman				
Clerks				
Stenographers				
Other Overtime				59.00
Total	6	103		1752.50

Note.—Show only that portion of supervisory, office, and engineering salaries that is chargeable to this project.

FOR GOVERNMENT USE ONLY

Checked by
Entered by
Approved by W. M. Traver, Jr.
Remarks

3588.58
.50
2) 3538.58
1769.29

16—64068-1

EXPLORATION UNIT COST AND PROGRESS REPORT FOR MONTH OF August 1951

Name of operator Cadwell Mining Co.
Project No. DMA 627
Total contract amount 89,922.00
Government participation, percent 50%

Item	Costs					Progress				
	Wages [1] and salaries	Equipment [2]	Supplies	Other [3]	Total	Unit	Units this month	Units previously reported	Units to date	Units authorized by contract
Drifting										
Crosscutting										
Raising										
Shafts										
Winzes										
Drill holes										
Overburden										
Rehabilitation and preparation	1511.72		1390.78	686.08	3588.58					
Geology and geophysics										
Trenching										
Sampling and assaying										
Roads and trails										
Test pits										
Other (specify)										
Totals	1511.72		1390.78	686.08	3588.58					

[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.

16—64068-1 U. S. GOVERNMENT PRINTING OFFICE

FOR GOVERNMENT USE ONLY

Checked by
Entered by
Approved by W. M. Traver, Jr.
Remarks

MF-104
(April 1951)

Budget Bureau No. 42-R1036.1.
Approval expires 8-31-51.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

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 will be made from time to time.

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.

CADWELL MINIJG COMPANY
(Name of Company)

By E. W. Lumberg
(Signature of Authorized Official)

8/22/5/
(Date)

Secretary and Treasurer
(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—64068-2

MONTHLY SUMMARY COST STATEMENT

Name of operator CADWELL MINING CO.
Project No. DMA 627
Total contract amount $89,922.00
Government participation percent 50%

Distribution of Expenditures for Month of June 28 to July 31, 1951

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only		
				Approved Monthly Total	Approved Totals Previously Reported	Approved Totals to Date
Wages and salaries	1560.10		1560.10	1560.10		1560.10
Equipment purchase [1]						
Equipment rental [2]	173.33		173.33	173.33		173.33
Buildings						
Explosives						
Repair parts	14.46		14.46	14.46		14.46
Other supplies	2136.03		2136.03	2136.03		2136.03
Power	55.26		55.26	55.26		55.26
Transportation	65.70		65.70	65.70		65.70
Withholding taxes	275.79		275.79	275.79		275.79
Compensation insurance	44.00		44.00	44.00		44.00
Other insurance	2.70		2.70	2.70		2.70
Contract work						
Other (specify)						
Total	4327.37		4327.37	4327.37		4327.37
Totals previously reported						
Totals to date						

FOR GOVERNMENT USE ONLY

Checked by
Entered by
Approved by W. M. Traver, Jr.
Amount approved for payment 4327.27 $2163.69
Remarks

PTA

[1] Enter total purchase price in month purchase is made.
[2] Payments for rental of equipment or prorated depreciation on equipment owned by contractor.

16—64068-1

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Mining Division
Region IV

224 NEW CUSTOMHOUSE
DENVER 2, COLORADO

September 10, 1951

Memorandum

To: T. A. Christensen

From: Chief, Mining Division, Region IV

Subject: Monthly Progress Report, Form MF-104, for the month of July, 1951, DMA Docket 627, Contract I-DMA-E34, Cadwell Mining Company

Enclosed are four copies of the Narative Report and Operator's Monthly Progress Report, Form MF-104, on the above contract for the period June 28, to July 31, 1951.

This report is approved for payment in the amount of $2,163.69.

Under distribution of wages and salaries there is a $50.00 charge for a bookkeeper. The contract does not specify a bookkeeper in Exhibit "D" under labor and supervision. However, under Exhibit "A" office expense is allowable and we are of the opinion that this $50.00 charge should be allowed as office expense.

P. T. Allsman

Enclosures

ADMINISTRATIVE
OFFICE
REGION IV
SEP 11 1951
BUREAU OF MINES
DENVER, COLORADO

WMT/dd

Building 20, Denver Federal Center

Chief, Mining Division, Region IV

September 4, 1951

W. M. Traver, Jr.

DMA-627, Contract I-DMA-E34, Cadwell Mining Company, Hayden Shaft, Lake County, Colorado.

The subject operator's progress report, form MF-104, was received August 24 from the Denver office and the narrative report from the mine superintendent at Leadville on August 27.

The work at the Hayden shaft was inspected the morning of August 29 and found as reported by Mr. Patrick. The payroll, invoices, etc., concerned with the operations were brought to the Denver Federal Center by E. W. Lumberg September 1, 1951, and were inspected and found correct. The statement is, accordingly, being approved for one half of $4,327.37, or $2,163.69.

Lumberg states that the power line authorized under the contract, 600 feet at $3.00 per foot for a total of $1,800.00, was completed prior to the start of operations, and also that most of the retimbering of the Hayden shaft was accomplished before the contract starting date. This item was for 200 feet at $60.00 per foot, totalling $12,000.00. With the 30 feet of retimbering completed as of July 31, it is evident that considerably less than 50 percent of this operation will be chargeable under the contract.

He states that he has discussed the matter with you and Director East and requested a change order or whatever is required to obtain allowance for this $1,800.00 under power line and the amount remaining under shaft repair on additional drifting or diamond drilling under the contract.

It would be my interpretation that this would result automatically in that the total for the project of $89,922.00 is the only limitation under exhibit "A", and amounts not used up under any one item of the program could be utilized for the others.

W. M. Traver, Jr.

W. M. Traver, Jr.

cc 5
E34
DMA Chron.

COPY

CADWELL MINING COMPANY
105 East Sixth Street
Leadville, Colorado

August 25, 1951

Mr. W. M. Traver, Jr.
United States Bureau of Mines
Building 20, Denver Federal Center

Dear Sir;

Mr. E. W. Lumberg has asked me to supply the narrative description required on form MF-104 for the period June 28 to July 31, 1951 inclusive.

I did not measure progress on June 28 so am using five feet of shaft repair for this period.

During the month of July the Hayden Shaft was repaired from 361 feet below the collar to 386 feet below the collar or a distance of 25 feet. The old timber was badly out of line and was replaced entirely with 4"x8" native cribbing 4' x 8' in the clear. In this distance station sets were placed on the 380 and 400 foot levels shown on the 30 scale map included in the loan application. These station sets consist of native slab 8" timber and are approximately nine feet high.

The old shaft at some points was 20 to 24 inches out of line and some plugging was necessary.

Ladders, platforms and partition are carried to within a maximum of fifteen feet of the bottom of the new timber.

The shaft was retimbered for a distance of thirty feet complete with ladders and platforms. In this distance two station sets were placed on the 380 and 400 foot levels.

Yours truly
Cadwell Mining Co.

R. B. Patrick, Supt.

COPY

DISTRIBUTION OF WAGES AND SALARIES FOR MONTH OF June 28 to July 31, 1951

Name of operator CADWELL MINING CO.
Project No. DMA 627
Total contract amount $ 89,922.00
Government participation percent 50%

Type	Number	Man-Shifts	Rate	Total
Miners	1	26½	$ 12.00	$ 318.00
Muckers				
Trammers				
Timbermen	1	26	13.00	338.00
Pumpmen				
Hoistmen	1	29½	10.50	300.75
Surface	1	27	9.00	243.00
Samplers				
Assayers				
Shift bosses				
Mechanics				
Electricians				
Blacksmiths				
Carpenters				
Drill runners				
Drill helpers				
Teamsters				
Manager	1		550.00	550.00
Superintendent				
Engineers				
Geologists	1		50.00	50.00
Bookkeeper				
Foreman				
Clerks				
Stenographers				
Other				
Total	6	109		1808.75

Note.—Show only that portion of supervisory, office, and engineering salaries that is chargeable to this project.

FOR GOVERNMENT USE ONLY

Checked by
Entered by
Approved by W. M. Traverm Jr.
Remarks

16—64068-1

EXPLORATION UNIT COST AND PROGRESS REPORT FOR MONTH OF June 28 to July 31. 1951

Name of operator CADWELL MINING COL
Project No. DMA 627
Total contract amount $ 89,922.00
Government participation, percent 50%

Item	Costs					Progress				
	Wages [1] and salaries	Equipment [2]	Supplies	Other [3]	Total	Unit	Units this month	Units previously reported	Units to date	Units authorized by contract
Drifting										
Crosscutting										
Raising										
Shafts Retimbering						Ft.	30	---	30	200 ft.
Winzes										
Drill holes										
Overburden						Rehabilitation & Preparation				
Rehabilitation and preparation	1560.10		2136.03	631.24	4327.37	of the Hayden Shaft, which is				
Geology and geophysics						now at the 400 ft. level.				
Trenching										
Sampling and assaying										
Roads and trails										
Test pits										
Other (specify)										
Totals	1560.10		2136.03	621.34	4327.37					

[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.

16—64068-1 U. S. GOVERNMENT PRINTING OFFICE

FOR GOVERNMENT USE ONLY

Checked by
Entered by
Approved by W. M. Traver, Jr.
Remarks