OFFICE OF MINERALS EXPLORATION
CONTRACT ADMINISTRATION AND AUDIT DIVISION

REPORT OF ROYALTY REVIEW

I have reviewed the files of the Washington office pertaining to Amended Contract Idm-E604, Docket DMEA-2874 (Manganese), dated September 19, 1956, but effective September 21, 1953, with

Irving G. Irving and Robert H. Nelson
Hirbour Building
Butte, Montana
and their assignee
Umont Mining, Inc.
King Street Dock
Burlington, Vermont

for the purpose of determining the amount of royalty payable to the U. S. Government on sales of minerals from property referred to as the Plutus and Norwich Claims located in Silver Bow County, Montana, during the period April 14, 1960, through October 25, 1963.

A certification of discovery or development was issued on August 9, 1956, and, in accordance with Articles 6 and 10 and Annex II of the Amended Contract, royalty is payable on all minerals produced from the land described in Article 2 of the contract for a period of 13 years from the date of the contract or until the total net amount contributed by the Government without interest is fully repaid, whichever occurs first. A Report of Review dated May 8, 1958, indicated accepted costs under the exploration contract amounting to $59,349.83 with the Government's contribution on a 75 percent basis being $44,512.39.

The status of the project, the scope of review, and the reasons therefor are stated on page 2.

This review found no sales subject to the Government's royalty subsequent to the period covered by a prior Report of Royalty Review which found the sales subject to the Government's royalty through April 13, 1960, to be $577,232.80. The royalty account as of April 13, 1960, was:

Total Royalty Payable	$28,533.15
Total Royalty Paid	28,533.15
Balance of Royalty Due	$ -0-

As of October 25, 1963, the royalty account of this project was found to be:

Total Royalty Payable	$28,533.15
Total Royalty Paid	28,533.15
Balance of Royalty Due	$ -0-

November 1, 1963

E. D. Talbert, OME Auditor

Idm-E604 Umont Mining, Inc., Assignee DMEA-2874

STATUS OF PROJECT, SCOPE OF REVIEW
AND REASONS THEREFOR

This Amended Contract provides that the Operator, as principal if the producer or as surety if not the producer, shall pay to the Government a percentage royalty on all minerals produced from the land thereunder. The land consists of portions of the patented Plutus and Norwich claims in secs. 10 and 15, T. 3 N., R. 8 W., M.P.M., Butte Mining District. At the time this contract was executed the Operator owned the Norwich claim and a one-quarter interest in the Plutus claim. The other three-quarters interest in the Plutus claim was leased from The Anaconda Company and the National Bank of Commerce of Seattle under an agreement expiring June 30, 1961. The land was subject to a mortgage held by the General Services Administration under Contract GS-10F(B)-3. The usual requirement of subordination agreements and consents to lien was waived.

On April 15, 1956, the Umont Mining, Inc., obtained control of the property under an Agreement for Lease and Option executed by Irving and Nelson. On October 3, 1956, the Government consented to assignment of the contract without releasing the assignor from any of the provisions of the contract or any amendment thereof.

Exploration work under the contract was terminated effective August 31, 1957, by an agreement dated November 22, 1957. Production during the exploration period and thereafter into March 1958 resulted in the sale of 311.082 tons of oxide ore and 22,791.8401 tons of carbonate ore, all of which was sold to the General Services Administration under the Domestic Manganese Purchase Program. The $577,232.00 in proceeds are covered by a Report of Royalty Review dated April 13, 1960, and prior Royalty Audit Reports and Certificates.

All operations on the property ceased on March 6, 1958, the pumps were pulled about March 10, 1958, and thereafter surface facilities were dismantled, all equipment removed, and the shaft sealed. Subsequent examinations and inquiries by OME regional representatives disclosed no change in status through April 13, 1960.

In an August 11, 1962, reply to a MME Form 63 inquiry the Operator-Assignee advised that no production had occurred since April 13, 1960, but that on December 20, 1961, all of its interests in the property had been conveyed without reservations to The Anaconda Company. By an October 25, 1963, reply to a MME Form 63 the Chief

Geologist, Montana Division, The Anaconda Company, 526 Hennessy Building, Butte, Montana, advised that neither change in property status nor production had occurred since April 13, 1960.

This review was made in lieu of an on-site audit of the Operator's accounts and records for the following reasons:

(1) The files indicate that all sales of production since the date of the contract have been reported and proper royalty thereon paid;

(2) The property has been inactive since March 1958; and

(3) The administrative cost to the Government of an on-site royalty audit at this time would be excessive in relation to the amount of possible additional royalty which might be disclosed.

CH+A

Extra

OFFICIAL FILE COPY
C. M. E
RECEIVED NOV 29 1963

DATE	INITIALS	CODE
		800
		~~500~~

So. 157 Howard Street
Spokane, Washington 99204
November 26, 1963

Memorandum

To: Chief, Fiscal Section, Division of Administrative Services
Office of the Secretary, Washington 25, D. C.

From: Acting Field Officer, Region I

Subject: DMEA-2874 (Manganese)
Umont Mining, Inc., Assignee
Platus and Norwich Claims
Silver Bow County, Montana
Amended Contract 14m-860A

There is enclosed the original of a Report of Royalty Review dated November 1, 1963, covering the subject contract for the period April 1, 1960, through October 25, 1963.

One copy of the report has been retained for the Spokane office files. The report is for record purposes only, and no copy was provided for the Operator.

D. R. Maclaren

Enclosure

cc: ONR(2)
CAAA
CPF

Director's Reading File
Resources Research Branch Chief

MLSmelser:mls

NOV 19 1963

Memorandum

To: Acting Field Officer, Region I

From: E. D. Talbert, Chief (Signed) E. D. Talbert
Contract Administration and Audit Division

Subject: DMEA-2874 (Manganese)
Umont Mining, Inc., Assignee
Plutus and Norwich Claims
Silver Bow County, Montana
Amended Contract Idm-E604

The original and one copy of a Report of Royalty Review covering the subject contract are enclosed. If you concur in the facts stated therein, please make the following distribution:

(a) Original to the Fiscal Section, Division of Management Operations, Office of the Secretary, U. S. Department of the Interior, Washington, D. C. 20240; and

(b) One copy for your files.

This Report of Royalty Review is made for record purposes only; therefore, no copy for the Operator is provided.

As evidence of your concurrence, a copy of your memorandum transmitting the original report to the Fiscal Section should be furnished this Division. If for any reason you do not concur, both copies of the report should be returned to this Division with your comments.

Enclosures

EDTalbert/ama 11-18-63

cc:
Docket
Director's Reading File
CA & A Division
Fiscal Section

Vanat Mining, Inc.
King Street Dock
Burlington, Vermont

SEP 18 1962

Re: IMBA-2874 (Manganese)
Vanat Mining Company, Assignee
Plutus and Norwich Claims
Silver Bow County, Montana
Amended Contract Idm-8604

Gentlemen:

We thank you for the information in your reply of August 11, 1962, to our BME Form 63, "Request for Information on Certified Project and Project under Royalty Agreement", and also for the copy of the deed transferring certain mining property, including the land under the subject contract, from Vanat Mining, Inc., to The Anaconda Company.

Please be advised, however, that under the terms of Articles 6(b)(2), and 10, and Annex II of the Amended Contract, and as set forth in the letter of August 9, 1956, transmitting the certification of discovery or development under the subject contract, your responsibility for payment of the Government's royalty on any mineral mined or produced from the land under the contract continues, as surety, until the sum of $44,512.39 is repaid, or until September 21, 1966, whichever occurs first. To date $26,533.15 royalty has been paid, leaving a balance repayable by royalty of $15,979.24.

Sincerely yours,

(signed) FRANK E. JOHNSON

ACTING Director

cc: The Anaconda Company
Butte, Montana

SPHolt/ama
9-13-62

cc: Docket
Director's Reading File
CA & A Division
Region I (2) (w/cys of incoming BME Form 63 and deed)
Code 500

The Anaconda Company
Butte, Montana

Re: DMEA-2874 (Manganese)
Ducent Mining, Inc., Assignee
Plutus and Norwich Claims
Silver Bow County, Montana
Amended Contract Idm-E604

Gentlemen:

Your Geological Department's December 26 letter addressed to our Spokane office has been referred to this office for reply.

The $44,512.39 repayable under the referenced exploration project contract has been reduced by royalty payments aggregating $28,533.15. Accordingly, the balance repayable by royalty is $15,979.24 as of this date.

Sincerely yours,

George Fumich, Jr.

Director

EDTalbert/ama 1-4-61

cc:
Docket
Director's Reading File
CA & A Division
Acting Field Officer, Region I (2)

800

THE ANACONDA COMPANY

Butte, Montana

ANACONDA

Geological Department

December 28, 1961

EXTRA COPY
O. M. S.
RECEIVED JAN 4 1962
DATE | INITIALS

[illegible] Officer
[illegible] Region [illegible]
[illegible] of the Interior
[illegible] Minerals Exploration
[illegible] Street
[illegible]

[illegible]

[illegible] copy [illegible] letter, [illegible], to the Umont [illegible] which it is [illegible] under the terms [illegible] executed September [illegible], [illegible] good to [illegible] years. [illegible] Nelson on September 26, [illegible] is [illegible] from the date of [illegible] or until [illegible] 21, [illegible]. Also, [illegible] status that re[illegible] will continue to be [illegible] Executive Officer, ONE Field [illegible] Region 1, South [illegible] Street, [illegible], Washington.

[illegible] are desirous of [illegible] the status of such contract and if the [illegible] business still remains to be [illegible]. Some consideration is being given [illegible] obtain the Umont properties in the Butte District. Any information [illegible] you may be able to supply will be greatly appreciated.

Sincerely,

Douglas L. Hilliard, Jr.
Geologist in Charge of Butte [illegible]

[illegible]

OFFICE OF MINERALS EXPLORATION
CONTRACT ADMINISTRATION AND AUDIT DIVISION

REPORT OF ROYALTY REVIEW

I have reviewed the files of the Office of Minerals Exploration, Washington, D. C., and the Executive Officer, Region I, Spokane, Washington, pertaining to Contract No. Idm-2664, Docket No. DMEA-2874 (Manganese), dated September 21, 1953, as amended, with

Omont Mining, Inc. (Assignee)
86 Kirbour Building
Butte, Montana
and
Irving G. Irving and Robert B. Nelson (Assignors)

for the purpose of determining the amount of royalty due the U. S. Government on sales of minerals from property referred to as Plutus and Norwick Claims located in Silver Bow County, Montana, during the period January 1, 1958, through April 13, 1960.

A certification of discovery or development was issued on August 9, 1956, and, in accordance with Articles 6 and 10 and Annex II of the Amended Contract, dated September 19, 1956, and effective as of September 21, 1953, royalty is payable on all minerals mined or produced from the land described in Article 2 and Annex I of the Amended Contract for a period of 15 years from the date of the contract or until the total net amount contributed by the Government without interest is fully repaid, whichever occurs first. A Report of Review in lieu of a final cost audit dated May 8, 1958, indicated accepted costs under the exploration contract amounting to $59,349.83 with the Government's contribution, on a 75 percent basis, being $44,512.39.

The scope of review and the reasons therefor are stated on page 2.

This review established the total sales of manganese ore for the period to be $4,460.40. Royalty due the Government at rates specified in the contract is $223.01.

Prior royalty audits dated May 9, 1955, and March 5, 1958, found the sales subject to Government royalty through December 31, 1957, to be $572,771.60 which added to the sales for this subsequent period make a total of $577,232.00. The royalty account as of December 31, 1957, was:

Total Royalty Due	$28,510.14
Total Royalty Paid	28,558.55
Overpayment of Royalty	$ 248.41

At April 13, 1960, the royalty account of this project was found to be:

Total Royalty Due	$28,535.15
Total Royalty Paid	28,533.15
Balance of Royalty Due	$ -0-

C. E. Fisher

April 13, 1960 C. E. Fisher, OME Auditor

Idm-E68A | Uncont Mining, Inc. | DMEA-2874

SCOPE OF REVIEW AND REASONS THEREFOR

My review included a computation and tabulation of copies of acceptance invoices submitted by GSA Manganese Purchase Depots, Butte and Philipsburg, Montana, in support of royalty withheld from settlements with the Operator and paid to the Executive Officer, Region I, during the period under review. A summary of the account for the period and to date follows:

	Oxide Ore	Carbonate Ore	Totals
January 1, 1958 to April 13, 1960			
Short dry tons	-	248.1358	248.1358
Proceeds	-	$ 4,460.40	$ 4,460.40
Royalty Paid	-	$ 223.01	$ 223.01
September 21, 1953 to April 13, 1960			
Short dry tons	311.0820	22,791.8401	23,101.9221
Proceeds	$5,864.05	$571,367.95	$577,232.00
Royalty Paid	$ 293.21	$ 28,239.94*	$ 28,533.15*

* After refund of $248.41 overpayment noted in royalty audit certificate dated March 3, 1959.

This review was made in lieu of an on-site audit of the Operator's accounts and records for the following reasons:

(1) Semi-annual reports of investigations by representatives of the Field Team, Region I, and other documents in the files indicate that mining operations have been discontinued and that proper royalty has been received by the Government on all production from the land described in the contract since September 21, 1953; and

(2) The administrative cost to the Government of an on-site royalty audit at this time would be excessive in relation to the amount of possible additional royalty which might be disclosed.

MME Form 22
April 59

DEPARTMENT OF THE INTERIOR
Office of Minerals Exploration

CHECK SHEET OF EXAMINING ENGINEER

Operator's Name Umont Mining, Inc.

Address Butte, Montana

Exploration Contract No. Idm-E604 Docket No. DMEA-2874

		Check One Yes	Check One No.
1.	(a) Does the Operator stockpile ore subject to royalty repayment?		
	(b) If so, is segregation and identification procedure adequate?		
2.	(a) Does Operator commingle production subject to DMEA or OME royalties with exempt production?		
	(b) If so, do you consider the allocation of the commingled production equitable?		
3.	(a) Does the Operator stockpile mine or mill rejects (low grade ore, tailing, middlings, etc.) that may have potential value within the royalty payment period?		
	(b) If so, are adequate records maintained on such material to protect the Government's interest?		
4.	Do you consider the assay controls in effect are adequate?		
5.	Do you consider that the manner of disposing of production gives the Government its fair royalty returns?		
6.	Do your periodic examinations of operations indicate the Operator is properly reporting his production of ores subject to DMEA or OME royalties?		
7.	Does the Operator buy from or sell to other Operators?		
8.	Comment on any item 2 (b) to 6 if answer is No.		

There has been no production from this property since March 1958.

April 13, 1960
Date

S. W. Zoldok
Mining Engineer
S. W. Zoldok

53362

EXTRA COPY
O. M. E.
RECEIVED MAY 16 1960

DATE	INITIALS	CODE
		800

So. 157 Howard Street
Spokane 4, Washington
May 11, 1960

Air Mail
Mr. R. H. Wadhams, Treasurer
Umont Mining, Inc., Assignee
King Street Docket
Burlington, Vermont

Re: Docket No. DMEA-2874 (Manganese)
Plutus and Norwich Claims
Silver Bow County, Montana
Contract No. Ida-E604
Irving and Nelson, Assignors

Dear Mr. Wadhams:

For your information and files is enclosed a copy of a Report of Royalty Review dated April 13, 1960, on sales of minerals from the property referred to as the Plutus and Norwich Claims located in Silver Bow County, Montana, during the period January 1, 1958, through April 13, 1960.

Sincerely yours,

D. R. MacLaren
Acting Field Officer, OME
Region I

Enclosure

cc: Fiscal Section w/orig. Report of Royalty Review
Contract Admin. & Audit Div., OME
OME(2)
USBM w/Thermofax copy of report
DRF

FEB 29 1960

Mr. E. H. Wadhams, Treasurer
Uranet Mining, Inc.
King Street Dock
Burlington, Vermont

Re: Docket No. DMEA-2874 (Management)
Uranet Mining, Inc., Assignee
Pluton and Neptuna Claims
Silver Bow County, Montana
Amended Contract No. I4n-[illegible]

Dear Mr. Wadhams:

By letter dated February 24, 1960, you request confirmation of the amount of royalties paid and the balance payable under the referenced contract.

According to our records the status of your account is as follows:

Total Government contribution	$44,812.39
Repayments by royalties	28,533.15
Balance payable	$15,979.24

The last entries on this account are a royalty payment of $55.54 in April 1958 and the refund of $248.41 in June 1958.

Sincerely yours,

(signed) FRANK E. JOHNSON

Acting Director

EDTalbert/ama
February 26, 1960

Copy to: Docket
Director's Reading File
CA & A Division
OME Field Team, Region I (2)

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

PUBLIC VOUCHER FOR PURCHASES AND SERVICES OTHER THAN PERSONAL

Dr. O. Vou. No. .....

Bu. Vou. No. 2176

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

Voucher prepared at Spokane, Washington 6/6/58
(Give place and date)

THE UNITED STATES, Dr.

Payee's Account No. Idm-E604

To Umont Mining, Inc.
(Payee)

912 Kearns Building Salt Lake City, Utah
(Address) (City) (State)

PAID BY

(For use of Paying Office)

No. and Date of Order	Date of Delivery or Service	ARTICLES OR SERVICES (Enter description, item number of contract or Federal supply schedule, and other information deemed necessary) Discount Terms	QUANTITY	UNIT PRICE Cost	UNIT PRICE Per	AMOUNT Dollars	AMOUNT Cts.
		Refund of royalty overpayment (See royalty audit report and certificate by DMEA Auditor C. A. Turner, dated March 3, 1958).				248	41
PAYMENT: Complete ☐ Partial ☐ Final ☐		Refund claimed in letter dated April 15, 1958, from W. F. Criswell, Resident Manager, Umont Mining Co.					
		Use continuation sheet(s) if necessary					
Shipped from	to	Weight	Government B/L No.		Total	248	41

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

(Sign original only)

Date ..... *Payee .....
(This certificate not required when a like certificate is made by payee on attached bill or bills)

Per ..... Title .....

(Payee must NOT use this space)

Differences .....

Account verified; correct for 248 41

(Signature or initials) A. L.

Contract No.	Date	Req. No.	Date	Invoice Rec'd.

Pursuant to authority vested in me, I certify that this account is correct and proper for payment.

† Approved for $ .....

By .....

Title .....

SIGN ORIGINAL ONLY

† .....
(Authorized Certifying Officer)

Title .....

Date .....

THE REVERSE OF THIS FORM MUST BE EXECUTED WHEN PURCHASES ARE MADE OR SERVICES SECURED WITHOUT WRITTEN AGREEMENT IN ANY FORM

ACCOUNTING CLASSIFICATION (For completion by Administrative Office)

Appropriation, limitation, or project symbol	Appropriation title	Limit'n. or Proj't. Amount	Appropriation Amount

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

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

* 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.
† If the ability to certify and authority to approve are combined in one person, one signature only is necessary; otherwise the approving officer will sign on the line below "Approved for $.....", and over his official title.

Per .....

Title .....

16—22900-3

METHOD OF OR ABSENCE OF ADVERTISING

METHOD OF ADVERTISING

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

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

ABSENCE OF ADVERTISING

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

.....

.....

.....

.....

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

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

16—22900-2 ☆ U. S. GOVERNMENT PRINTING OFFICE : 1950—O-75806

MAY 2 1958

Mr. A. F. Weissenborn
Executive Officer
DMEA Field Team, Region I
South 157 Howard Street
Spokane 4, Washington

Re: Docket No. DMTA-2874 (Manganese)
Umont Mining, Inc.
Plutus and Norwich claims
Silver Bow County, Montana
Amended Contract No. Idm-E604

Dear Mr. Weissenborn:

It appears from your letter dated April 25, 1958, that Mr. Criswell anticipates a refund of $248.41 representing overpayment of royalty by Umont Mining, Inc. There is no need for any special form of request for refund of any royalty overpayment, especially in a case such as this where the amount of the overpayment has been determined by audit.

The voucher authorizing the payment should refer to Mr. Criswell's letter transmitting the report, as the Operator's claim, and the royalty audit report and certificate dated March 3, 1958, as authority for the disbursement.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee

APPROVED:

Frank D. Lamb

Member, Bureau of Mines

W. P. Williams

Member, Geological Survey

Copy to: Docket
Admr. Reading File
Operating Committee
Mr. Kiilsgaard, USGS
Mr. DeHuff, USBM
Mr. Chambers

CEFisher/ama
April 29, 1958

RECEIVED
DATE 28
CODE
800

So. 157 Howard Street
Spokane 4, Washington

April 25,1958

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

Re: Docket No. DMEA-2874 (Manganese)
Umont Mining, Inc. (Assignee of
Irving & Nelson)
Silver Bow County, Montana
Amended Contract No. Idm-2604

Dear Mr. Selfridge:

In forwarding his final report on this project, Mr. Wilbur F. Criswell, Resident Manager, states as follows: "With the filing of the final narrative report I assume the Fiscal Officer will soon refund to Umont the overpayment on royalty amounting to $248.41 * * *." According to a recent royalty audit, Mr. Criswell is correct in stating that there has been an overpayment of royalty amounting to this sum. This is because some of the royalty deductions were figured at 5 percent, whereas the grade was such that the proper royalty rate was lower.

Though a substantial balance of the funds that were advanced by the Government remains unpaid, the obligation to repay this does not become effective until the ore is actually mined and shipped. As far as we can determine, royalty payments have been made on all ore shipped and inasmuch as the mine is closed and no more shipments will be made for an indefinite period, I presume that the Operator is entitled to a repayment of $248.41. I am puzzled, however, as to the procedure. Is our audit report together with Mr. Criswell's letter sufficient for us to make this refund or must Criswell request this officially, and if so, how does he do this?

Sincerely yours,

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

cc: USBM(2)
UFTBM(AD)
Turner
Prins

For Certificate of Deposit No. 451, dated April 4, 1958, giving royalty payment of $55.54, see E-150.

For Certificate of Deposit No. 445, dated March 3, 1958, giving royalty payment of $70.47, see E-246.

1201 N. Division St.
Spokane 2, Washington

March 18, 1958

Mr. Dooley Wheeler, Jr.
Vice President
Umont Mining, Inc.
912 Kearns Building
Salt Lake City, Utah

Dear Mr. Wheeler:

The General Services Administration Acceptance sheets covering the sale of manganese ore by the Umont Mining Company, under Contract No. Idm-E604, Docket No. DMEA-2874, for the period ending December 31, 1957, are being returned to you today under separate cover by registered mail.

The loan of these acceptance sheets greatly facilitated the audit. Thanks a lot for the use of them.

Yours very truly,

C. A. Turner, Auditor

cc: Mr. Jay L. Chambers

EXTRA COPY
DMEA
RECEIVED JAN 27 1958
DATE | INITIALS | CODE

So. 157 Howard Street
Spokane 4, Washington

January 22, 1958

Mr. R. Adkins
Purchase Depot
General Services Administration
Butte, Montana

Dear Mr. Adkins:

The end of December 1957 we received from GSA in Denver one copy each of 228 settlement sheets on shipments of ore to your depot by Uncut Mining, Inc., from their Flutus and Norwich claims. As you perhaps are aware, we need three copies of the settlement sheets. Enclosed are a copy of a letter we wrote Mr. M. C. Johnson, GSA Regional Comptroller, Denver, regarding the obtaining of additional copies, and a copy of his reply, both of which are self-explanatory. Enclosed also is our letter of January 15 to Mr. Johnson, which further points out some difficulties. We have not yet received a reply.

Our immediate problem is that of reproduction of so many copies and also that some of the settlement sheets are such poor copies that they are not reproducible. Of course, we should like to get the extra two copies of each settlement sheet, but if this is not possible, we wonder if, in the future, we could receive three.

Mr. Charles A. Turner, our DMEA auditor, is coming to Butte in the near future and will discuss this matter with you. He is fully aware of the problem and I hope that he will be able to work out something with you.

Sincerely yours,

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

Enclosures
cc: DMEA(3)
USBM(2)
USBM(AD)
Turner
CPF

GENERAL SERVICES ADMINISTRATION

Region 8
Denver 2, Colorado

January 14, 1958

IN REPLY REFER TO: 8C

DMEA (3)

U. S. Department of Interior
Defense Minerals Exploration Administration
Sc. 157 Howard Street
Spokane 4, Washington

Attention: A.E. Weissenborn, Executive Officer
Field Team, Region 1

Gentlemen:

We are unable to send three copies of each Umont Mining, Inc. acceptance as requested in your letter of December 31, 1957.

An original and two copies are furnished us. The original is attached to the payment document and one copy becomes a part of the producer's case file. The remaining copy is attached to our Administrative Difference Statement and transmitted with the check to you.

Sincerely yours

M. C. JOHNSON
Regional Comptroller

Mr. A. E. Weissenborn
Executive Officer
DMEA Field Team, Region I
South 157 Howard Street
Spokane 4, Washington

Re: Docket No. DMEA-2874 (Manganese)
Umont Mining, Inc.
Plutus and Norwich claims
Silver Bow County, Montana
Amended Contract No. Idm-E604

Dear Mr. Weissenborn:

Your letter of December 20, 1957, informed me that the General Services Administration had finally given you a telegraphic report to the effect that it had collected and was holding in suspense $24,604.41 in royalty funds due DMEA. I am glad that you immediately notified the General Accounting Office of this transaction. It was a little embarrassing to us to have the General Accounting Office discover this sizeable amount due DMEA, when at that time DMEA apparently was unaware of it, or at least had no idea of the sum involved.

According to our records GSA finally paid the amount and DMEA Washington Office received a copy of the deposit ticket on January 6, 1958.

I suppose you are wondering, as are we, about the type of audit report GAO will make on this point. If and when DMEA receives a report, I will furnish you an excerpt of this part of it.

Sincerely yours,

C. O. Mittendorf

Administrator

JLChambers/wb
January 14, 1958

Copy to: Docket
Admr. Reading File
Administrator
Operating Committee
Mr. Chambers

For Certificate of Deposit No. 436, dated January 10, 1958, giving royalty payment of $97.00, see E-152.

Official File

RECEIVED
DATE

DEFENSE MINERALS EXPLORATION ADMINISTRATION
CONTRACT ADMINISTRATION AND AUDIT DIVISION

ROYALTY AUDIT CERTIFICATE

I have examined the records and sales documents pertaining to the sale of manganese ore for the period of April 5, 1955 to December 31, 1957, by the

WHOOT MINING, INC., ASSIGNEE
Butte, Montana
Successor to
Irving G. Irving and Robert H. Nelson, Partners, Assignors
Butte, Montana

produced from the Plutus and Norwich Claims located in Silver Bow County, State of Montana, under the terms of Amended Contract No. Idm-D604, Docket No. DMEA 2874 (manganese) dated September 21, 1953, including Amendments Nos. 1 and 2.

My examination was made in accordance with generally accepted standards applicable in the circumstances.

The audit established the net sales of manganese ore for this period upon which royalties due were paid to be $555,851.68. Royalty due the United States Government at the contract rates of two and one-half percent to five percent is $27,530.12.

The prior audit conducted by C. E. Fisher, DMEA auditor for the period of September 21, 1953 to April 4, 1955 found the sales as of April 4, 1955 to be $16,919.92, which added to sales for this period, make a total of $572,771.60 as of December 31, 1957. The royalty amount as of April 4, 1955, was

Total Royalties Due	$780.02
Total Royalties Paid	780.02
Balance Royalties Due	$ None

As of December 31, 1957, the royalty account of this project was found to be:

Total Royalties Due	$28,310.14
Total Royalties Paid	28,558.55
Overpayment of Royalties	$ 248.41

C. A. Turner, Auditor.

March 3, 1958

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DMEA
RECEIVED MAR 10 1958
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DEFENSE MINERALS EXPLORATION ADMINISTRATION
CONTRACT ADMINISTRATION AND AUDIT DIVISION

ROYALTY AUDIT REPORT

I. INTRODUCTION

On January 27, 1958, an audit was made of the production, sales and royalty accounts and records of the

UNION MINING, INC., ASSIGNEE
Butte, Montana
Successor to
Irving G. Irving and Robert H. Nelson, Partners, Assignors
Butte, Montana

pertaining to the sale of manganese ore for the period of April 5, 1955 to December 31, 1957, produced from the Plutus and Norwich Claims, located in Silver Bow County, State of Montana, in accordance with the Amended Contract No. Idm F604, Docket No. DMEA 2874, dated as of September 21, 1953, including Amendments Nos. 1 and 2.

The Operator's general records are maintained by and in the possession of Newland and Blinn, Certified Public Accountants, Butte, Montana. The general records were not available at the time of the audit. However, the operating, cost and sales statements prepared by Newland and Blinn and the other recors of original entry available in the Operator's office were considered sufficient for the purpose of this audit.

During the on-site audit the following representatives of the company and the U.S. Bureau of Mines were present and consulted as necessary:

Mr. Dooley Wheeler, Jr.	-	Vice-President and General Manager
Mr. Wilbur F. Criswell	-	Resident Manager
Mr. John A. Bowsher	-	U. S. Bureau of Mines

The cooperation of all concerned greatly facilitated the audit.

II. GENERAL INFORMATION

The Amended Contract as amended provides for exploration work amounting to $108,510.70 with the Government's participation on a 75 percent basis being $81,383.00. A Report of Review dated February 24, 1956, issued by C. A. Turner, DMEA Auditor, indicated the accepted costs of Stage I to be $23,190.70 with the Government's participation on a 75 percent basis being $17,393.03. Exploration continued to August 31, 1957 on the basis of fixed unit costs of units of work completed, increasing the total cost of exploration (subject to audit) to $59,253.83 with the Government's participation on a 75 percent basis being $44,440.37. The contract was terminated by Termination Agreement effective August 31, 1957.

The Amended Contract No. Idm E 604, Docket No. DMEA 2874, dated as of September 21, 1953, including Amendments Nos. 1 and 2 superseded the prior contract having Contract No. Idm F 604, Docket No. DMEA 2874, dated September 21, 1953, including Amendments Nos. 1 to 7 inclusive, and provided additional exploration work. Annex II of the Amended Contract provides that the amount contributed by the Government under the Prior Contract is incorporated into this Amended Contract and is repayable pursuant to the royalty provisions of the Amended Contract.

A Certificate of Discovery or Development, dated August 9, 1956, provided for a repayment period of eleven years, ending September 21, 1964, applicable to production from lands described in Article 2 and Annex I of the Amended Contract.

The General Services Administration, under authority of their manganese purchase regulation No. 4 as amended, have purchased all of the Operators production of manganese at the Butte, Montana, Depot.

The Operator's records are kept under the supervision of Newland and Blimm, Certified Public Accountants, Butte, Montana, who prepare the various mine operating statements for management's guidance. The general ledger was not made available during the audit as it was in the possession of the accounting firm who were preparing the monthly statements. However, comparison of the items of original entry such as the mine production records, sales records, and royalty records, with the cost and operating statements prepared by the accounting firm, indicated the records pertaining to DMEA royalties to be adequate for the purpose of this audit.

The Operator is conducting mining operations on ground exempt from DMEA royalties concurrently with the exploration work. Ore subject to DMEA royalty and ore not subject to DMEA royalty are not commingled, but kept separate. Adequate records are maintained on the ore from the various locations, which serve as a check on the identity of the ore subject to DMEA royalties and ore not subject to DMEA royalties.

A prior royalty audit was made on May 4, 1955, as indicated by the Royalty Audit Report and Royalty Audit Certificate dated May 9, 1955, by C. E. Fisher, DMEA Auditor, covering the period of September 21, 1953 to April 4, 1955. The present audit extends the period covered by audit to December 31, 1957.

III. SCOPE OF AUDIT AND FINDINGS

A. Conference with Examining Engineer.

A conference with the examining engineer, Mr. John A. Bowsher, U. S. Bureau of Mines, disclosed the following:

(a) The Operator does not stockpile ore subject to royalty repayment.

(b) The Operator does not commingle production subject to DMEA royalties with exempt production.

(c) The Operator does stockpile mine rejects that may have potential value within the royalty payment period. The examining engineer considers, and this auditor agrees, that the Operator maintains adequate records pertaining to the mine rejects stockpiled.

(d) Assay controls are deemed adequate.

(e) The manner of disposing of production is considered as giving the Government its fair royalty return.

(f) Periodic examinations by the examining engineer indicate that the Operator is properly reporting the current production subject to DMEA royalties.

(g) The Operator does not buy from or sell to other operators.

B. Audit of Settlement Statements

A considerable amount of preaudit work was accomplished in the DMEA office, Region 1, Spokane, Washington, prior to the on-site audit. This consisted of a re-computation of the royalties due as indicated by the General Services Administration settlement statements (acceptance invoices), and the payment of royalties to DMEA. The information was tabulated and reconciliation was made with the amounts of royalty payments received by the Regional Finance Officer. These tabulations are filed as part of my work papers. A summary analysis of these statements is included in Section IV of this audit report.

The on-site audit included a comparison and reconciliation of the data compiled during the preaudit with the available records of the Umont Mining Company at their office in Butte, Montana. The Irving and Nelson records concerning Stage I of the exploration project were not available. Shipments made by Irving and Nelson were verified by the records at the Manganese Purchase Depot at Butte, Montana.

IV. CONCLUSIONS AND RECOMMENDATIONS

A summary analysis of the Operator's production and sales during the period covered by this audit, the prior audit, and the totals to December 31, 1957, together with amounts subject to DMEA royalties and royalties paid follows:

SUMMARY OF SALES AND ROYALTIES PAID

	Period 9-21-53 TO 4-4-55	Period 4-5-55 TO 12-31-57	TOTAL
Sales to General Services Administration			
Manganese Oxide Ore			
Long Dry Tons	243.6526	67.4294	311.0820
Sales subject to royalty	$ 4,340.86	$ 1,523.19	$ 5,864.05
Royalty Paid @ 5%	$ 217.05	76.16	$ 293.21
Manganese Carbonate Ore			
Long Dry Tons	962.0209	21,829.8192	22,791.8401
Sales subject to royalty	$12,579.06	$554,328.49	$566,907.55
Royalty Paid	$ 562.97	$ 27,702.37	$ 28,265.34

Percentage Royalty Paid

$10,243.01	$ -	@ 5.0%	$ 512.26	$ -	$ 512.26
-	553,299.16	@ 5.0%	-	27,665.01	27,665.01
-	266.94	@ 4.0%	-	10.68	10.68
233.10	-	@ 3.5%	8.16	-	8.16
-	762.39	@ 3.5%	-	26.68	26.68
955.69	-	@ 2.5%	23.89	-	23.89
295.52	-	@ 2.0%	5.91	-	5.91
849.74	-	@ 1.5%	12.75	-	12.75
$12,579.06	$554,328.49		$ 562.97	$ 27,702.37	$ 28,265.34

* * * * * *

SUMMARY OF SALES AND ROYALTIES PAID

TOTAL SALES	$16,919.92	$555,851.68	$572,771.60
TOTAL ROYALTIES PAID	$ 780.02	$ 27,778.53	$ 28,558.55

The audit confirmed the accuracy and propriety of the royalty payments received by the Finance Officer applicable to the sales of manganese ore during the period under audit, April 5, 1955 to December 31, 1957.

The audit also determined that a substantial delay was experienced in receiving royalty payments from the General Services Administration on shipments of manganese ore by the Operator to the Manganese Purchase Depot, Butte, Montana, as follows:

Shipments	Long Dry Tons	Shipments	Royalty Due
2-9-57 to 11-16-57			
Lots Drift 23 to 79 Inc.	3,871.8476	$80,584.87	$ 4,029.28
2-9-57 to 12-12-57			
Lots Raise 4 to 176 Inc.	15,039.6470	411,501.71	20,575.13
TOTAL	18,911.4946	$492,086.58	$24,604.41

The check for $24,604.41 was issued by the General Services Administration December 27, 1957 and received by the Regional Finance Officer on December 31, 1957. This concludes the shipments taken into consideration for the period under audit, April 5, 1955 to December 31, 1957. However, one more shipment was made December 18, 1957 covering Lot 177-178 raise amounting to $1,940.05 with royalty due at 5 percent $97.00, which was received by the Finance Officer January 3, 1958.

It was also determined by the audit that royalties were paid at 5 percent regardless of the value per ton realized on the majority of the shipments. This practice resulted in royalty overpayments of $248.41. See Schedule No. 1.

At the conclusion of the audit the findings were discussed with Mr. Wilbur F. Grisewell, Resident Manager. This audit report and findings was discussed with Mr. A. E. Weissenborn, Executive Officer, DMEA Field Team, Region I.

C. A. Turner, Auditor

March 3, 1958.

SCHEDULE NO. 1

SUMMARY OF ROYALTY OVERPAYMENTS
April 5, 1955 to December 31, 1957

SETTLEMENT SHEET			SALES	SUBJECT TO ROYALTY		ROYALTIES PAID		ROYALTIES DUE PER CONTRACT	
DATE		LOT NO.	TONS	AMOUNT	VALUE PER TON	RATE	AMOUNT	RATE	AMOUNT
8-1-55		3	28.0611	$ 258.80	$ 9.22	5.0%	$ 12.94	2.5%	$ 6.47
3-16-56	D	39	46.3558	502.50	10.84	5.0%	25.13	4.0%	20.10
12-11-56	D	2) 3) 4) 5)	632.5210	6,563.54	10.37	5.0%	328.18	3.5%	229.72
1-18-57	D	17) 18)	238.0576	2,628.16	11.04	5.0%	131.41	4.5%	118.27
3-19-57	D	27	39.4723	373.41	9.46	5.0%	18.67	2.5%	9.34
7-16-57	D	45	43.2799	494.69	11.43	5.0%	24.73	4.5%	22.26
8-2-57	D	53	40.8942	402.81	9.85	5.0%	20.14	3.0%	12.08
8-16-57	D	59) 62)	133.1027	1,416.21	10.64	5.0%	70.81	4.0%	56.65
9-5-57	D	72) 73) 74) 76)	180.7544	1,934.29	10.70	5.0%	96.71	4.0%	77.37
10-28-57	R	154) 156) 158)	252.0210	2,583.22	10.25	5.0%	129.16	3.5%	90.41
11-14-57	R	160) 167)	143.2794	1,328.20	9.27	5.0%	66.41	2.5%	33.21
				$18,485.83			$924.29		$675.88

TOTAL ROYALTIES PAID ON ABOVE LOTS	$924.29
ROYALTIES DUE PER CONTRACT	$675.88
OVERPAYMENT OF ROYALTIES	$248.41

Check Sheet of Examining Engineer

Operator's Name Umont Mining, Inc.

Address 507 Silver Bow Building

Butte, Montana

Exploration Contract No. Idm-E604 Docket No. DMEA-2874

	Check One Yes	No
1. (a) Does the Operator stockpile ore subject to royalty repayment?		x
(b) If so, is segregation and identification procedure adequate?		
2. (a) Does Operator commingle production subject to DMEA royalties with exempt production?		x
(b) If so, do you consider the allocation of the commingled production equitable?		
3. (a) Does the Operator stockpile mine or mill rejects (low grade ore, tailing, middlings, etc.) that may have potential value within the royalty payment period?	x	
(b) If so, are adequate records maintained on such material to protect the Government's interest?	x	
4. Do you consider the assay controls in effect are adequate?	x	
5. Do you consider that the manner of disposing of production gives the Government its fair royalty returns?	x	
6. Do your periodic examinations of operations indicate the Operator is properly reporting his production of ores subject to DMEA royalties?	x	
7. Does the Operator buy from or sell to other Operators?		x

8. Comment on any item 2 (b) to 6 if answer is No.

John A Bowsher
Mining Engineer

Date January 28, 1958

82448

For Certificate of Deposit No. 435, dated January 2, 1958, giving royalty payment of $24,604.41, see E-9.

So. 157 Howard Street
Spokane 4, Washington

March 31, 1958

800

Uscont Mining, Inc.
Silver Bow Block
Room 506
Butte, Montana

Re: Docket No. DMEA-2874 (Manganese)
Plutus and Norwich claims
Silver Bow County, Montana
Amended Contract No. 14m-2604

Gentlemen:

Enclosed for your information and files are one copy each of the Royalty Audit Certificate and Royalty Audit Report dated March 3, 1958 by C. A. Turner, DMEA Auditor, for the period of April 5, 1955 to December 31, 1957.

Sincerely yours,

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

Enclosures

cc: DMEA (3)
USBM (2)
USBM (AD)
Turner

MAR 13 1958

Mr. Charles A. Turner
DMEA Auditor
1201 North Division Street
Spokane 2, Washington

Re: Docket No. DMEA-2874 (Manganese)
Contract No. Idm-E604
Uncut Mining Company, Inc.

Dear Mr. Turner:

Your Royalty Audit Certificate and Report covering the above-cited project are acceptable. You are authorized to make normal distribution.

Sincerely yours,

(Signed) J. L. Chambers

Jay L. Chambers, Director
Contract Administration
and Audit Division

AMAlley/ama
March 13, 1958

Copy to: Docket
Admr. Reading File
Mr. Chambers

800

No. 157 Howard Street
Spokane 4, Washington

December 31, 1957

Mr. M. C. Johnson
Regional Comptroller
General Services Administration
Denver 2, Colorado

Re: Your reference CCRE
Our Docket No. DMEA-2874 (Manganese)
Uhmat Mining, Inc.
Plutus and Norwich Claims
Silver Bow County, Montana
Amended Contract No. Ida-2604

Dear Mr. Johnson:

This will acknowledge receipt of your letter of December 27, 1957, Treasury Check No. 11,318,557 in the amount of $24,6[illegible]4.41, and one copy each of 228 settlement sheets--Lots No. 4 through 175-Raise and 23 through 75-Drift.

When I talked with Mr. Menardi the other day, I understood him to say that three copies of each of the settlement sheets and supporting data would be sent but we received only one. Would it be possible to get two more copies of each? We would appreciate receiving the three copies in the future, otherwise we have to retype them on the forms (a supply of which we would get from you) or thermofax them and sometimes we cannot get legible prints from the copies we receive.

You might be interested in the manner in which the check and settlement sheets were received. The envelope "burst at the seams" and was apparently resealed by the Post Office Department before it even left Denver. The envelope is enclosed for your inspection. We were very fortunate that the check was not lost.

Sincerely,

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

Enclosure

cc: DMEA (3)
USBM (2)
USBM (AD)
Turner

EXTRA COPY
DMEA
RECEIVED
DATE | INITIALS | CODE
800

So. 157 Howard Street
Spokane 4, Washington

December 30, 1957

Mr. R. A. Lake
Supervisory Accountant
U. S. General Accounting Office
Room 208
U. S. Courthouse (Old)
Portland 4, Oregon

Re: Docket No. DMEA-2074 (Manganese)
Uncont Mining, Inc.
Plutus and Norwich claims
Silver Bow County, Montana
Amended Contract No. Idm-5664

Dear Mr. Lake:

I think you will be interested to know that a check for $24,604.41 was received this morning from the Denver Office of the General Services Administration. This is larger than the amount that you reported due DMEA because it includes royalty from several shipments made after your audit.

You will note from the enclosed letter that Mr. Johnson, the Regional Comptroller, has stated that royalty checks for future lots will be sent to us at the time the invoices are processed for payment.

Sincerely yours,

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

Enclosure

cc: DMEA (3) w/3 copies of encl.
USBM (2) w/2 copies of encl.
USBM (AD) w/copy of encl.
Turner " " "
CPF

GENERAL SERVICES ADMINISTRATION

Region 8
Denver 2, Colorado

December 27, 1957

IN REPLY REFER TO 8CRE

EXTRA COPY
DMEA
RECEIVED JAN 3 1958

DATE	INITIALS	CODE

U.S. Department of Interior
Defense Minerals Exploration Administration
South 157 Howard Street
Spokane 4, Washington

Attention: A.R. Weissenborn, Executive Officer
Field Team, Region 1

Gentlemen:

The enclosed Treasury Check No. 11,318,557 dated December 27, 1957, amount $24,604.41, is sent in accordance with our wire of December 19, 1957.

The complete file of supporting documents referred to on the attached S.F. 1047, Refund Voucher, contains all information relative to 5% royalty deductions made by us on Lots 4 through 176-Raise and 23 through 78-Drift.

Royalty checks for future lots will be sent to you at the time the invoices are processed for payment.

Sincerely yours

M. C. JOHNSON
Regional Comptroller

Enclosures

RECEIVED
DATE | CODE

So. 157 Howard Street
Spokane 4, Washington

December 20, 1957

Air Mail

Mr. C. O. Mittendorf, Administrator
Defense Minerals Exploration Administration
Department of the Interior
Washington 25, D. C.

Re: Docket No. DMEA-2874 (Manganese)
Umont Mining, Inc. (Assignee)
Plutus and Norwich claims
Silver Bow County, Montana
Amended Contract No. E604

Dear Mitt:

As part of its auditing of DMEA activities in Region I, the GAO circularized all projects which have been certified as discoveries and requested the operators to list the royalty payments they have made. Almost all the operators' reports checked with our records. The few that did not had, with one exception, either very minor or readily explainable differences. The Umont Mining, Inc., (formerly Irving and Nelson) account claimed royalty payments of $27,507.66, whereas our records show receipts of only $3,954.14. The difference is from payments which the operator claimed had been deducted from his settlements since the last check which we received from the GSA on March 1, 1957.

In February 1957 we requested GSA to make the appropriate deductions from the Umont settlements and supplied copies of the contract to GSA. Copies of this request went both to the Seattle and Denver offices of GSA. Umont also wrote to GSA authorizing DMEA royalty deductions from this settlement.

On December 17, I telephoned the Butte Manganese Depot to ask why we had not received payments and was referred to the Regional Comptroller's Office in Denver. Mr. Minardi of that office informed me that the money was being held in a "suspense" account. Asked the reason for this, Mr. Minardi merely stated that this was being done while the shipper's account was being "reconciled." I asked then how much was being held in the suspense account and was told GSA would check and would wire me the amount. Mr. Minardi also

promised that he would send us the checks together with copies of the settlement sheets before the end of the month. As of noon on December 19 I had not received the telegram and inasmuch as Mr. Lake, the GAO auditor, was waiting for this information, I sent the attached teletype to GSA again requesting the information. I received in reply the attached teletype confirming that $24,604.41 was being held and promising that the check would be mailed to us next week. I still do not understand why payment was being held up nor why we were not notified.

GAO probably will take the attitude that the Field Team has not been sufficiently alert concerning production by Umont. This is not quite the case. As evidenced by our arrangements with GSA to have the royalty deducted from the settlement, we were aware that Umont was producing. This we knew from our periodic inspection reports, and because Umont informed us of their intention to produce. As a matter of fact, the operator's monthly reports have, in the past, contained a statement of production together with a longitudinal section of the mine. Because the most recent DMEA activity has been wholly surface drilling, we have not received this information recently.

We perhaps can be criticized that, knowing that there were shipments, we did not keep closer track of payments. There is some difficulty in this because there is not uncommonly a considerable interval between the time a shipment is made and the time payment is made. Inasmuch as GSA is a Government agency and had been instructed to make deductions, we felt that in due course we would receive payment and we did not follow this as closely as we might have if shipments had been made to a smelter or private ore buyer. We have devised a practicable system to keep a closer watch on shipments so that if delays occur, they will be investigated sooner.

Sincerely,

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

Enclosures

cc: Op. Com. (2)
USBM (2)
USBM (AD)
Turner

STANDARD FORM 14
REVISED MAY 1952
PRESCRIBED BY GENERAL
SERVICES ADMINISTRATION
REG. 2-IX-203.00

TELEGRAPHIC MESSAGE

OFFICIAL BUSINESS—U. S. GOVERNMENT

FROM

BUREAU

CHG. APPROPRIATION

☆ GPO : 1956—O-373780

T E L E T Y P E

Received: 1:30 p. m.
December 19, 1957
So. 157 Howard Street
Spokane 4, Washington

A. E. WEISSENBORN
EXECUTIVE OFFICER, DMEA
FIELD TEAM, REGION I

AMOUNT DUE DMEA REGION I FOR ORE SHIPMENTS TO BUTTE DEPOT BY UMONT MINING CORPORATION $24,604.41. CHECK WILL BE MAILED DURING WEEK OF DECEMBER 22 TO DECEMBER 28 WITH COPY OF SETTLEMENT SHEETS.

M. C. JOHNSON
GSA
DENVER, COLORADO

EXTRA COPY
DMEA
RECEIVED DEC 1957

DATE	INITIALS	CODE

Distribution:
Turner
H. A. Lake
DMEA
Mittendorf w/letter 12/20/57
CPF
Incoming
USBM

TELETYPE

No. 157 Howard Street
Spokane, Washington
Sent: 10: 50 a. m.
12/19/1957

MR. M. C. JOHNSON
REGIONAL COMPTROLLER
GENERAL SERVICES ADMINISTRATION
DENVER FEDERAL CENTER
DENVER, COLORADO

RE MY PHONE CONVERSATION WITH MR. MINARDI DECEMBER 17, PLEASE WIRE AMOUNT ROYALTY DUE DMEA REGION I AND HELD IN YOUR SUSPENSE ACCOUNT FROM SHIPMENTS OF MANGANESE ORE TO BUTTE DEPOT BY UMONT MINING, INC. GAO AUDITOR PRESSING US FOR THIS INFORMATION. ALSO PLEASE FORWARD TO THIS OFFICE AT EARLIEST CONVENIENCE CHECK COVERING AMOUNT DUE TOGETHER WITH COPIES OF SETTLEMENT SHEETS.

A. E. WEISSENBORN
EXECUTIVE OFFICER, DMEA
FIELD TEAM, REGION I

DATE		CODE

Distribution:
Outgoing TT's
CPF
Mr. Lake
Turner
UEBM (AD)
UEBM (2)
DMEA (2)
Chrono
Confirmation

(Docket No. DMEA-2074, Umont Mining, Inc., Plutus and Norwich claims, Silver Bow County, Montana, Contract No. Ida-2604, Amended)

OFFICIAL FILE COPY
DMEA
RECEIVED DEC 23 1957

DATE	INITIALS	CODE
12/23	C	220
12-23	JC	800

I made thermofax for mtg.

XDXXXXXX-126K

WCB144-

YWB135 WAF SP 22 I-GS-G

SPOKANE WASH EYWAWPATU 1650U

GEORGE C. SELFRIDGE, CHAIRMAN OPERATING COMMITTEE

DMEAL, SURVEYGEOL

WASHN., 25 DC

REURTT DECEMBER 20, 1957, UMONT MINING COMPANY, DMEA-2874. DEDUCTIONS FROM UMONT HAVE BEEN HELD BY GSA IN SUSPENS ACCOUNT AT DENVER. GSA HAS PROMISED TO SEND CHECK AND SETTLEMENT SHEETS THE LAST WEEK IN DECEMBER. A LETTER TO MITTENDORF DISCUSSING THE SUBJECT IS IN THE MAIL.

A. E. WEISSENBORN, EXECUTIVE OFFICER REGION 1

20 1957 DMEA-2874

VA 1653U

Contract Admin. & Audit Division

Defense Minerals Exploration Admin.

14X4401(01) Revolving Fund,
Defense Production Act, Interior, (Transfer to Office of Secretary)

TELETYPE

DEC 2 0 1957

Mr. A. E. Weissenborn
Executive Officer
DMEA Field Team, Region I
South 157 Howard Street
Spokane 4, Washington

Turner's letter of 12-18-57 to Chambers states that Umont Mining Company, DMEA-2874, Idm-E604, reported to GAO that it had paid royalties of $23,553.62 more than our records show. Believe Umont misunderstood GAO request and reported payments on both GSA contract GS-10P(D)3 and DMEA contract. Please get facts from Umont and if both contracts were reported Umont should make correction immediately to GAO in Portland.

George C. Selfridge

George C. Selfridge
Chairman, Operating Committee

JLChambers/wb
December 20, 1957

Copy to: Docket
Admr. Reading File
Operating Committee
Mr. Kiilsgaard, USGS
Mr. DeHuff, USBM
Mr. Chambers
Mr. Turner
Confirmation

For Certificate of Deposit No. 386, dated March 6, 1957, giving royalty payment of $2,904.15, see E-133.

xxxxxxxxxxxxxxxxxx
So. 157 Howard Street
Spokane 4, Washington

RECEIVED
NOV 19 1956

November 16, 1956

Mr. Dooley P. Wheeler, Jr.
General Manager, Norwich Mine Division
Uncut Mining Inc.
P. O. Box 727
Butte, Montana

Re: Docket No. DMEA-2874 (Manganese)
Plutus and Norwich Claims
Silver Bow County, Montana
Amended Contract No. Idm-2504

Dear Mr. Wheeler:

Thank you for your letter of November 13 explaining the nature of the "gross proceeds" from the disposal of the off-grade material which the sub-lessees are blending with higher grade non-DMEA ore.

It would appear to us that although Uncut is not receiving direct payment for this material, the company is benefitting to the extent of $4.25 per long dry ton which is credited against the GSA loan, and thus, $4.25 per ton is, in effect, the "gross proceeds" received by the company for this material. This is not quite correct as hand-sorting would reduce the tonnage to some extent, but we infer that this is not too important: according to your statement most of the rock is blended with high-grade ore without sorting. According to Article 8(a) of the contract the royalty would be 1½ percent of $4.25 or about 6.4 cents per ton.

As far as we can tell, there is nothing incorrect in your disposing of development muck in this manner if it is to Uncut's advantage to do so, and provided the Government receives royalty as provided for in the contract. To simplify the transaction it would be sufficient to keep a record of the tonnage disposed of in this manner and make a periodic settlement. We suggest that if the tonnage involved is small, settlement might be made on a quarterly basis.

As regards the approximately 55 tons of this material you have already given to the sub-lessees, the royalty involved is so small that we suggest that you include this in the next payment -- assuming that you dispose of more off-grade material in this manner. If you decide to cease this practice we do not

think it necessary to make settlement at this time. An appropriate adjustment can be made at the time of the next royalty audit.

We trust this letter will clarify this matter. You will appreciate that the Field Team is not authorized to waive any royalties, however small. Also, it is true that although royalty on each lot of your off-grade material is small, over a period of time this could add up to a fairly substantial sum. We think that the method we have suggested is simple and will not involve any great amount of bookkeeping.

By Field Team Region I, NW Dist.

A. E. Weissenborn, Exec. Officer
U. S. Geological Survey

Wing G. Agnew, Member
U. S. Bureau of Mines

cc: DMEA (3) w/3 cys incoming of 11/13/56
DEBM (2)
DEBM(AD)
Turner
Pinckney

NOTE: This matter was discussed with Mr. Charles Turner, DMEA auditor. His conclusions on the payment of royalty are in accord with the Field Teams.

AEW

Umont Mining Inc.

THIS LETTER FROM
KING STREET DOCK
BURLINGTON, VERMONT

November 13, 1956

THIS LETTER FROM
912 KEARNS BUILDING
SALT LAKE CITY 1, UTAH

Mr. A. E. Weissenborn, Exec. Officer
Field Team Region I, NW. Dist.
U. S. Geological Survey
So. 157 Howard Street
Spokane 4, Washington

Re: Docket No. DMEA-2874 (Manganese)
Plutus and Norwich Claims, Silver
Bow Co., Montana, Amended Contract
No. Idm-2604

Dear Mr. Weissenborn:

Thanks for your letter of November 7, 1956.

In order to guard against possible involvement I directed our Norwich manager to discontinue giving the sub-lessees at Norwich material that had no value to us, but which they could upgrade to acceptable grade by careful sorting or addition of their own ore.

The material referred to in my letter of October 29th and two or three subsequent drift rounds are all that have been given to the sub-lessees. It had no evident value to us but was "doctored" to acceptable grade by the means described above. Thus, I would like your permission to ignore what little material was turned over to the sub-lessees.

There were no gross proceeds to Umont from the above referred to material as such. The reference to rapid retiring of the OSA loan is justified on the basis that OSA deducts $4.25 per long dry ton from any ore shipped from the Norwich mine whether it be sub-lessee or Umont and regardless of value, as accepted. Thus, by giving a few drift rounds to the sub-lessees which were not acceptable ore, as accepted in the fases by the sub-lessees, we helped retire the debt without receiving pay or sacrificing ore which we need ourselves. It is true that some of the material given to the sub-lessees was, after sorting, ore but very little, if any, was ore as they accepted it and the average was far below ore grade. They raised the material to ore grade before shipping by adding high grade material of their own.

I repeat that no more development rock is being turned over to the sub-lessees, as of November 3, 1956, and I would like authorization from you and Mr. Agnew to forget about the experiment in conservation. If, on the other hand, you feel that one of your DMEA representatives in Butte should investigate the matter, please feel free to have him do so.

For the time being I do not feel justified in asking that the contract be increased to take care of more drilling or exploration work of other types. The request may come later.

Yours very truly,

RECEIVED
NOV 15 1956

Dealey P. Wheeler, Jr.
General Manager

DPW:jk
cc: Butte office
Burlington
Irving A. Nelson, Butte
File

For Certificate of Deposit No. 319, dated May 23, 1956, giving royalty repayment of $26.68, see E-177.

E-604

For Certificate of Deposit No. 307, dated April 2, 1956, giving royalty repayment of $25.13, see E-189.

QUINTUPLICATE

STANDARD FORM 201 (Formerly Cert. of Deposit, Form 1)
Promulgated Oct. 1949 by Treasury Dept., Fiscal Service

LETTER OF TRANSMITTAL

Portland, Oregon

DEPOSIT NO. 14-23-020-303

$449.69

For credit of 480, Division of Disbursement, 523 U. S. Courthouse, Portland, Oregon (Name, title, and disbursing or other identification symbol of accountable officer) 3/7/56 (Date sent)

deposited with Federal Reserve Bank of San Francisco, Portland Branch, Portland, Oregon (Name and location of depositary)

for accounts listed below. SCHEDULE NOS.

ACCOUNT SYMBOL	TITLE OF ACCOUNT TO BE CREDITED	AMOUNT
14X4401	E-604	$449.69

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

Defense Minerals Exploration Administration
c/o Bureau of Mines
P. O. Box 492
Albany, Oregon

TO ABOVE-NAMED BANK OR TO TREASURER U. S.:

Herewith you will receive the deposit described above. Please observe the distribution printed on each accompanying copy of Standard Form 201.

Myrtle I. Purdy, Authorized Collector
(Depositor)

DEPOSITARY WILL RETAIN THIS COPY

16—59686d-1 GPO

QUINTUPLICATE

STANDARD FORM 201 (Formerly Cert. of Deposit, Form 1)
Promulgated Oct. 1949 by Treasury Dept., Fiscal Service

LETTER OF TRANSMITTAL

Portland, Oregon

DEPOSIT NO. 14-23-000-276

For credit of 420 Division of Disbursement, 523 U.S. Courthouse, Portland 5, Oregon (Name, title, and disbursing or other identification symbol of accountable officer) 11/1/55 (Date sent)

deposited with Federal Reserve Bank of San Francisco, Portland Branch, Portland, Oregon (Name and location of depositary)

$ 24.21

for accounts listed below. SCHEDULE NOS.

ACCOUNT SYMBOL	TITLE OF ACCOUNT TO BE CREDITED	AMOUNT
14X4401		$24.21

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

Defense Minerals Exploration Administration
c/o Bureau of Mines
P. O. Box 492
Albany, Oregon

TO ABOVE-NAMED BANK OR TO TREASURER U. S.:

Herewith you will receive the deposit described above. Please observe the distribution printed on each accompanying copy of Standard Form 201.

(Depositor)

Myrtle I. Purdy, Authorized Collector

DEPOSITARY WILL RETAIN THIS COPY

16—59686d-1 GPO

For Certificate of Deposit No. 263, dated September 12, 1955, giving royalty repayment of $42.98, see E-41.

For Certificate of Deposit No. 261, dated September 2, 1955, giving royalty repayments of $12.94 and $39.01, see E-184.

DEFENSE MINERALS EXPLORATION ADMINISTRATION
CONTRACT ADMINISTRATION AND AUDIT DIVISION

FIRST ROYALTY AUDIT CERTIFICATE

I have examined the records and sales documents pertaining to the sale of manganese ore for the period September 21, 1953, to April 4, 1955, by:

IRVING G. IRVING and ROBERT H. NELSON, Partners
84 Hirbour Building
Butte, Montana

produced from land in Silver Bow County, Montana, under terms of Contract Idm-E604, Docket No. DMEA-2874.

My examination was made in accordance with generally accepted standards applicable to the circumstances.

The audit established the total net sales of manganese ore for this period, subject to repayment royalties, to be $16,919.92. Royalty due the U. S. Government at the contract rates is $780.02. The royalty paid and balance due are as follows:

Total Royalties Due	$780.02
Total Royalties Paid	780.02
Balance of Royalties Due	-0-

C. E. Fisher
C. E. Fisher, Auditor

May 9, 1955

FIRST ROYALTY AUDIT REPORT

I. INTRODUCTION

On May 4, 1955, an audit was made of the sales and royalty accounts and records of :

Irving G. Irving and Robert H. Nelson, Partners
84 Hirbour Building
Butte, Montana

pertaining to the sale of manganese ore during the period September 21, 1953, to April 4, 1955, from Plutus Mine located in Silver Bow County, Montana, in accordance with Contract Idm-E604, Docket No. DMEA-2874, including Amendments No's. 1 through 4.

A considerable amount of pre-audit work was accomplished in the DMEA office, Region I, Northwest District, Spokane, Washington, prior to the field audit.

Mr. Irving G. Irving, partner, and Mr. John D. Bardill, Mining Engineer, Bureau of Mines, Spokane, Washington, were present during the audit and were consulted as necessary. Their cooperation greatly facilitated the audit work.

II. GENERAL INFORMATION

The exploration project contract was dated September 21, 1953. The exploration work had not been completed, nor had a certificate of discovery or development been issued as of the date of this audit, which was limited to determining the amount of royalty due and paid on manganese ore recovered during the exploration period. The operator does not mill the ore but sells carbonate and oxide manganese ores to the General Services Administration Manganese Purchase Depot at Butte, Montana. Annex I to the contract provides for payment of royalty regardless of certification.

The total reported and unaudited cost of the project at April 30, 1955, amounted to $14,866.90, with the Government's contribution on a 75 per cent basis, amounting to $11,150.18.

III. SCOPE OF AUDIT AND FINDINGS

The operator has authorized the Manganese Purchase Depot to withhold repayment royalties on sales to it of shipments from the Plutus Mine. Such amounts withheld are transmitted to the Executive Officer, Region I, Northwest District, along with copies of acceptance invoices from the depot.

The audit consisted of a review and tabulation of the acceptance invoices on file in the regional office and a comparison thereof with the operator's production and sales records. A statement listing such acceptance invoices and royalties paid thereon is filed as a part of my audit working papers.

The audit disclosed that all royalties due on manganese ore recovered from the exploration project and sold during the period Septemver 21, 1953, to April 4, 1955, have been paid to the Government at rates provided in the contract. Carbonate lots No's. 1 to 11, inclusive, covered sales of manganese produced prior to the date of the contract not subject to repayment royalties. Carbonate lot No. 16 was rejected by the depot as not meeting specifications. Mr. Irving stated that the manganese in this lot No. 16 was subsequently blended with later shipments of higher grade ore and the product was sold to the depot as parts of later lots on which Government royalties were paid.

A summary of the audit findings follows:

	SALES TO G. S. A.		ROYALTY DUE	
LDT*	Amount	Per LDT*	Rate	Amount
Manganes Carbonate				
119.1781	$ 849.74	$ 7.13	1½%	$ 12.75
34.6446	295.52	8.53	2 %	5.91
105.1362	955.69	9.09	2½%	23.89
23.1942	233.10	10.05	3½%	8.16
679.8678	10,245.01	**	5 %	512.26
962.0209	$12,579.06			$562.97
Manganese Oxide				
243.6526	$ 4,340.86	**	5 %	217.05
1,205.6735	$16,919.92			$780.02

* Long dry ton

** Various. All in excess of $11.50/LDT.

C. E. Fisher

C. E. Fisher, Auditor

May 9, 1955

DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Adm.
RECEIVED
MAY 19 1955

Check Sheet of Accompanying Engineer

Operator's Name Irving and Nelson, Partners

Address Hirbour Building

Butte, Montana

Exploration Contract No. Idm-E604 Docket No. DMEA-2874

Date May 4, 1955

		Check One Yes	No
1. (a)	Does the Operator stockpile ore subject to royalty repayment?	x	
(b)	If so, is segregation and identification procedure adequate?	x	
2. (a)	Does Operator co-mingle production subject to DMEA royalties with exempt production?		x
(b)	If so, do you consider the allocation of the co-mingled production equitable?		
3. (a)	Does the Operator stockpile mine or mill rejects (low grade ore, tailing, middlings, etc.) that may have potential value within the royalty payment period?	x	
(b)	If so, are adequate records maintained on such material to protect the Government's interest?		x
4.	Do you consider the assay controls in effect are adequate?	x	
5.	Do you consider that the manner of disposing of production gives the Government its fair royalty returns?	x	
6.	Do your periodic examinations of operations indicate the Operator is properly reporting his production of ores subject to DMEA royalties?	x	

7. Comment on any item 2 to 6 if answer is No.

See attached sheet.

John D. Bardill

John D. Bardill
Mining Engineer

67958

Supplemental Check Sheet

Operator's Name: Irving and Nelson, Partners
Hirbour Building
Butte, Montana

Exploration Contract No. Idm-E604 Docket No. DMEA-2874

Date: May 4, 1955

1. (a) Only small quantities are stored in the 200 level mine pocket before being shipped to the GSA stockpile at Butte.

2. (a) No. Operator ships DMEA ore separate from GSA and lessees ore.

3. (a) Approximately 500 tons of Plutus vein rock is stored in special dump. Assays 5 - 6 percent manganese.

(b) No, because Operators consider tonnage too small and of no value. No records are kept.

John D. Bardill
Mining Engineer

For Certificate of Deposit No. 227, dated April 14, 1955, giving royalty repayment of $54.04, see E-152.

For Certificate of Deposit No. 222, dated March 22, 1955, giving royalty repayment of $26.70, see E-177.

For Certificate of Deposit No. 208, dated February 8, 1955, giving royalty repayment of $27.62, see E-152.

SEXTUPLICATE

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

CERTIFICATE OF DEPOSIT FOR CHECKING ACCOUNT

DEPOSIT NO.
24-23-020-153

Deposited with Federal Reserve Bank of San Francisco, Portland Branch (Name and location of depositary) 1/6/53 (Date sent)

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

$ 32.55

SYMBOL NO. 420

A. O. Henlere, MD, 320 U. S. Court House, Portland 5, Oregon
(Name and address of officer to be credited)

On account of—

Exhibit

Exhibit $32.55

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

Myrtle E. Purdy
Certifying Officer
Defense Minerals Exploration Admin.
2201 N. Division St.
Spokane 2, Washington

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

(Authorized signature)

(Date of credit in Treasurer's account)

DEPOSITOR WILL RETAIN THIS COPY

Check No. 15,037,608
Dated: Dec. 30, 1954
Amount - $32.55
From: Treasurer of the United States
Contract Idm-E604, Irving and Nelson
Royalty receipt

SEXTUPLICATE

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

CERTIFICATE OF DEPOSIT FOR CHECKING ACCOUNT

DEPOSIT NO.
15-83-020-132

Deposited with Federal Reserve Bank of San Francisco 1/9/53
(Name and location of depositary) Portland Branch (Date sent)

$ 24.20

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

SYMBOL NO.
(2)

A. O. Holloro, MD, 523 U. S. Court House, Portland 5, Oregon
(Name and address of officer to be credited)

On account of—
Mileage.....(24.20

E-664

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

Lyndle L. Perry
Certifying Officer
Defense Minerals Exploration Admin.
1001 N. Division St.
Spokane 8, Washington

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

(Authorized signature)

(Date of credit in Treasurer's account)

DEPOSITOR WILL RETAIN THIS COPY

Check No. 15 033 585
Dated Dec. 27, 1954
Amount - $24.20
From: Treasurer of the United States
Contract Idm-E604; Irving and Nelson
Royalty receipt

DEPARTMENT OF THE INTERIOR
Public Lands Administration
RECEIVED
JAN 10 1955

For Certificate of Deposit No. 187, dated December 23, 1954, giving royalty repayment of $112.68, see E-184.

E-604

For Certificate of Deposit No. 182, dated November 23, 1954, giving royalty repayment of $45.12, see E-9.

E-604

For Schedule of Collections No. DMA-144, dated June 15, 1954, giving royalty repayment of $18.34, see E-189.

E-604

For Schedule of Collections No. DMA-142, dated June 15, 1954, giving royalty repayment of $18.22, see E-9.

E-604

For Schedule of Collections No. DMA-141, dated June 15, 1954, giving royalty repayment of $23.03, see E-189.

E-604

For Schedule of Collections No. DMA-140, dated May 18, 1954, giving royalty repayment of $18.40, see E-200.

For Schedule of Collections No. DMA-137, dated May 12, 1954, giving royalty repayment of $34.41, see E-189.

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

Wash

SCHEDULE OF COLLECTIONS

Schedule No. 134

Sheet No. 1

DEPARTMENT OF THE INTERIOR
(Department or Establishment)

DEFENSE MINERALS EXPLORATION ADMINISTRATION
(Bureau or Office)

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

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

Date Received	Receipt Number	Name of Remitter	Detail Description of Purpose for Which Collections Were Received	Amount	Fund to be Credited (Symbol and title in full)
1954					
5/5	-----	Treasurer of the United States	Royalty payment on ore shipped, Contract Idm-E604, Irving and Nelson	$23.01	14X4401 Revolving Fund, Defense Minerals Production Act, Interior
			SUMMARY 14X4401 - $23.01		
			Total,	$23.01	

Received _____, subject to collection. Forwarded May 5, 1954

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

By _____

By _____ (Name) R. J. Hindman

Title Authorized Certifying Officer

Certificate of Deposit No. _____ dated _____

☆ U. S. GOVERNMENT PRINTING OFFICE 10—1790

E-604

For Schedule of Collections No. DMA-132, dated April 28, 1954, giving royalty repayment of $15.86, see E-63.

E-604

For Schedule of Collections No. DMA-129, dated April 20, 1954, giving royalty repayment of $20.92, see E-63.

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

SCHEDULE OF COLLECTIONS

Schedule No. 125

Sheet No. 1

DEPARTMENT OF THE INTERIOR
(Department or Establishment)

DEFENSE MINERALS EXPLORATION ADMINISTRATION
(Bureau or Office)

Received by A. O. WAHLERS, REGIONAL DISBURSING OFFICER (Name) (Title) at Portland, Oregon (Station)

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

Date Received	Receipt Number	Name of Remitter	Detail Description of Purpose for Which Collections Were Received	Amount	Fund to be Credited (Symbol and title in full)
1954 4/13	-----	Treasurer of the United States	Royalty payment on ore shipped, Contract Idm-E604, Irving and Nelson	$20.66	14X4401 Revolving Fund, Defense Minerals Production Act, Interior
			SUMMARY 14X4401 - $20.66		
			Total,	$20.66	

Received _____, subject to collection. Forwarded April 13, 1954

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

By _____

By _____ (Name) R. J. Hindman

Title Authorized Certifying Officer

Certificate of Deposit No. _____ dated _____

☆ U. S. GOVERNMENT PRINTING OFFICE 10—1790

E-604

For Schedule of Collections No. DMA-124, dated April 9, 1954, giving royalty repayment of $45.73, see E-63.

E-604

For Schedule of Collections No. DMA-122, dated April 6, 1954, giving royalty repayment of $30.59, see E-115.

E-604

For Schedule of Collections No. DMA-120, dated March 29, 1954, giving royalty repayment of $52.95, see E-152.

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

SCHEDULE OF COLLECTIONS

Schedule No. 118

Sheet No. 1

DEPARTMENT OF THE INTERIOR (Department or Establishment) — DEFENSE MINERALS EXPLORATION ADMINISTRATION (Bureau or Office)

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

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

Date Received	Receipt Number	Name of Remitter	Detail Description of Purpose for Which Collections Were Received	Amount	Fund to be Credited (Symbol and title in full)
1954					
3/16	-------	Treasurer of the United States	Royalty payment on ore shipped, Irving & Nelson, Contract Idm-E604	$8.16	14X4401 Revolving Fund, Defense Minerals Production Act, Interior
			SUMMARY 14X4401 - $8.16		do
			Total,	$8.16	

Received ....., subject to collection. Forwarded March 16, 1954

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

By .....

By ..... (Name) R. J. Hindman

Title Authorized Certifying Officer

Certificate of Deposit No. ..... dated .....

☆ U. S. GOVERNMENT PRINTING OFFICE 10—1790

For Schedule of Collections No. DMA-115, dated March 9, 1954, giving royalty repayment of $23.89, see E-9.

E-604

For Schedule of Collections No. DMA-110, dated February 9, 1954, giving royalty repayment of $30.99, see E-41.

For Schedule of Collections No. DMA-99, dated December 28, 1953, giving royalty repayments of $12.75, $12.75, $8.51, $5.91 and $32.03, see E-475.

DEFENSE MINERALS EXPLORATION ADMINISTRATION
CONTRACT ADMINISTRATION AND AUDIT DIVISION

REPORT OF REVIEW

I have reviewed the Monthly Reports of:

Umont Mining, Inc., Assignee
Butte, Montana

and

Irving G. Irving and Robert E. Nelson, Partnership, Assignor
Butte, Montana

pertaining to Amended Exploration Project (Irving and Nelson) Contract No. Idm-E604, Docket No. DMEA-2874, dated as of September 21, 1953, including Amendments Nos. 1 and 2, Assignment of Contract dated September 26, 1956, and Termination Agreement dated November 22, 1957 having an effective date of August 31, 1957, and the Prior Exploration Project Contract No. Idm-E604, Docket No. DMEA-2874, dated September 21, 1953, including Amendments Nos. 1 to 7 inclusive, for the months of October 1953 to August 1957 inclusive, covering a project for the exploration of manganese on property known as the Plutus and Norwich Claims, located in Silver Bow County, State of Montana.

My review included an examination of the Monthly Reports (Forms MF-104) and supporting documents attached thereto, comparison of the costs claimed with the contract and pertinent schedules, consultation with the Government representative who visited and examined the project, and a determination of the reasonableness and propriety of the costs.

This review was made in lieu of a final audit of the Operator's accounts and records for the reasons given on the attachment to this report.

The review disclosed the following facts in regard to the amounts paid or to be paid the contractor:

Total cost claimed by Operator August 1957 Form MF-104	$59,253.83
Exceptions per schedule	None
Total accepted cost claimed	$59,253.83
Additional acceptable cost, if claimed	$ 96.00

The contract calls for a 75 percent participation of accepted costs. Therefore, payments as follows are valid and proper:

On cost claimed	$44,440.39
On additional cost if claimed	72.00
Total amount payable, if claimed	$44,512.39
Amount payable on audited claim	$44,440.39
Amount reimbursed	44,440.39
Balance due Operator	$ -0-
Additional payable, if claimed	$ 72.00

May 8, 1958

C. A. Turner, Auditor

Schedule of Reasons for Report of Review in lieu of Final Audit

Umont Mining, Inc. Docket No. DMEA-2874 Contract Idm-E604

(a) The accepted costs ($23,190.70) of Stage I incurred under a contract provision for payment by the Government on the basis of Agreed Unit Costs of units of work actually performed, were determined by Report of Review dated February 24, 1956, issued by C. A. Turner, DMEA Auditor; and

(b) the balance of accepted costs ($36,159.13) of Stages II and III were incurred under a contract provision for payment by the Government on the basis of fixed unit costs of work actually performed.

C. A. Turner, Auditor

May 8, 1958

Schedule of Work Completed

Umont Mining, Inc. DMEA-2874 Idm-E604

Stage I

Agreed Unit Costs				
Drifting	467'	@ $34.00	$15,878.00	
Timbering	454.9'	@ 5.00	2,274.50	
Raising	72'	@ 35.00	2,520.00	
Assays	67	@ 2.00	134.00	
Rehabilitation of shaft	36.5'	@ 35.00	1,277.50	
Cutting stations	892.5'	@ 1.24	1,106.70	
Accepted costs First Interim Audit				$23,190.70

Stage II

Fixed Unit Costs				
Installation of facilities and pumping equipment 300 level Plutus shaft			2,082.00	
Rehabilitate Plutus shaft			3,148.00	
Rehabilitate 400 station	3200'	@ .50	1,600.00	
Rehabilitate crosscut to Norwich	200'	@ 20.50	4,100.00	
Drifting	394'	@ 32.00	12,608.00	
Normal Timbering	371'	@ 10.00	3,710.00	
Spiling	20'	@ 30.00	600.00	
Diamond Drilling - Underground	15'	@ 5.00	75.00	
Diamond Drilling - Surface	71.5'	@ 4.75	339.63	
Assays	61	@ 3.50	213.50	
Total costs Stage II				28,476.13

Stage III

Fixed Unit Costs				
Bulldozing	7.5 hours	@ 14.00	105.00	
Diamond Drilling - Surface	1138'	@ 6.00	6,828.00	
Cementing, redrilling or reaming	300'	@ 2.50	750.00	
Total costs Stage III				7,683.00

Total Acceptable Costs	$59,349.83
Total Acceptable Costs Claimed	59,253.83
Net Additional Acceptable Cost, if claimed	
Drifting 3' @ $32.00	$ 96.00

C. A. Turner, Auditor

May 8, 1958

EXTRA COPY
DMEA
RECEIVED MAY 28 19

DATE	INITIALS	CODE
		800

1201 N. Division St.
Spokane 2, Washington

May 26, 1958

Umont Mining, Inc.
912 Kearns Building
Salt Lake City, Utah

Re: Docket No. DMEA-2874 (Manganese)
Umont Mining Inc.
Plutus and Norwich Claims
Silver Bow County, Montana
Amended Contract No. Ida-E604

Gentlemen:

Enclosed for your information and files is a copy of Report of Review dated May 8, 1958 by C. A. Turner, DMEA Auditor. This Report of Review covers the period October 1953 to August 1957, inclusive.

This audit discloses the Operator completed 394 feet of drifting under Stage II, but claimed only 391 feet. Therefore, an additional 3 feet of drifting at $32.00 per foot may be claimed by submitting MF-104 and 104A in quintuplicate.

The regulations state an Operator may make claim for any costs of an exploration project contract found allowable by an audit within 120 days after receipt of the Report of Review by the Operator before the project account is closed.

Sincerely yours,

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

Enclosure

cc: DMEA (3)
USBS ~~USBM~~ (2)
USBM (AD)
Turner

MAY 13 1958

Mr. C. A. Turner
DMEA Auditor
1201 North Division Street
Spokane 2, Washington

Re: Idm-E604, DMEA-2874 (Manganese)
Umont Mining Company, Inc.

Dear Mr. Turner:

Your report of review covering the above-cited contract is acceptable and normal distribution is authorized.

Sincerely yours,

(Signed) E. D. Talbert

E. D. Talbert, Acting Director
Contract Administration
and Audit Division

AMAlley/ama
May 12, 1958

Copy to: Docket
Admr. Reading File
Mr. Chambers

OFFICIAL FILE COPY
DMEA
RECEIVED MAY 12 1958

1201 N. Division St.
Spokane 2, Washington

May 8, 1958

Mr. G. A. Turner
DMEA Auditor, Region I
1201 N. Division Street
Spokane 2, Washington

Re: Docket No. DMEA-2874 (Manganese)
Unaut Mining, Inc.
Plutus and Norwich Claims
Silver Bow County, Montana
Amended Contract No. Idm-2604.

Dear Mr. Turner:

Reference is made to our letter to you dated April 29, 1958 tabulating units of work completed under the cited contract.

Under Stage III we inadvertently omitted cementing, redrilling and reaming, 300 feet authorized and 300 feet completed.

Regarding your question on the drifting, the Operator's final voucher shows 391 feet whereas the field inspector's actual measurement is 394 feet of drift completed.

By Field Team, Region I

A. E. Weissenborn, Exec. Officer
U. S. Geological Survey

Wing G. Agnew, Member
U. S. Bureau of Mines

cc: DMEA (3)
USGS (2)
USBM (AD)

EXTRA COPY

RECEIVED MAY 5 1958

CODE 200

1201 N. Division St.
Spokane 2, Washington

April 29, 1958

Mr. C. A. Turner
DMEA Auditor, Region I
1201 N. Division Street
Spokane 2, Washington

Re: Docket No. DMEA-2874 (manganese)
Umpqua Mining, Inc.
Fletcher and Marwish Claims
Silver Bow County, Montana
Amended Contract No. Idm-2604

Dear Mr. Turner:

The project work under the referenced contract was terminated effective August 31, 1957, according to a Termination Agreement executed November 22, 1957. All the work performed was completed to the satisfaction of the Government.

A final inspection report on the completed work was submitted by John A. Boucher on March 3, 1958.

The Operator's final engineering and geological report was received on April 16, 1958. It is considered as having met the requirements of Article 5(a) of the contract.

The project was certified under a prior contract. By the terms of Annex II to the Amended Contract the certification made under the prior contract carries over to this amended contract.

The Government has no equity in equipment and supplies used on the project.

Work units completed within the terms of the contract are:

Stage II	Authorized	Completed
Install facilities and equipment in Fletus shaft to 300L	$8,082.00	$10,501.62
Rehabilitate Fletus shaft 300L to 410L and equip	3,148.00	7,217.00
Rehabilitate and enlarge 400 station	3,200 cu.ft.	4,850 cu. ft.
Rehabilitate 400L XC to N vein	240 ft.	800 ft.
Drifting	550 ft.	394 ft.
Normal timbering	550 ft.	371 ft.
Extra sets	100 ft.	none
Spiling	50 ft.	20 ft.
Diamond drilling (underground)	420 ft.	86.5 ft.
Assaying	140 samples	61 samples
Stage III		
Bulldozing	15 hrs.	7.5 hrs.
Diamond drilling (surface)	1700 ft.	1138 ft.

It is now in order for you to issue your Report of Review.

By Field Team, Region I

A. E. Weissenborn, Exec. Officer
U. S. Geological Survey

Wing G. Agnew, Member
U. S. Bureau of Mines

cc: DMEA (3)
USGS (2)
USBM (AD)

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

Budget Bureau No. 42-R1036.5

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

Month of May, 1958 Docket No. DMEA 2874 Contract No. ~~Idm-E604~~
Operator's Name Umont Mining, Inc. Minerals Manganese
Address 912 Kearns Building, Salt Lake City 1, Utah
Contract Amount, $ 108,510.70 Government Participation: 75 % Amount, $ ~~81,383.00~~

ITEMS OF COSTS	FOR OPERATOR'S USE: Now Claimed (~~Monthly Total~~)	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
Installation of facilities and pumping equipment 300 level Plutus shaft						
(1) Independent Contractors (See Form 1):						
Drilling		2,082.00	2,082.00		2082.00	2082.00
Rehabilitate Plutus shaft Bulldozing		3,148.00	3,148.00		3148.00	3148.00
Rehabilitate 400 station Crosscutting		1,600.00	1,600.00		1600.00	1600.00
Rehabilitate crosscut to Norwich Drifting		4,100.00	4,100.00		4100.00	4100.00
(2) Labor and Supervision:						
Normal Drifting Labor	$96.00	12,512.00	12,608.00	96.00	12512.00	12608.00
Timbering Supervision		3,710.00	3,710.00		3710.00	3710.00
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
Spiling		600.00	600.00		600.00	600.00
Diamond Drilling-Underground		75.00	75.00		414.63	414.63
Diamond Drilling - Surface		339.63	339.63			
(4) Operating Equipment:						
~~Rental~~ Assays		213.50	213.50		213.50	213.50
Purchase						
TOTAL COST STAGE II Depreciation		28,380.13	28,476.13			
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Bulldozing Repairs to Equipment		105.00	105.00		105.00	105.00
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
Diamond Drilling-Surface		6,828.00	6,828.00		7578.00	7578.00
Cementing, redrilling or reaming		750.00	750.00			
(8) Contingencies (specify):						
TOTAL COST STAGE III		7,683.00	7,683.00			
TOTAL COST STAGE I		23,190.70	23,190.70		23190.70	23190.70
TOTALS	96.00	59,253.83	59,349.83	96.00	59253.83	59349.83

I certify that the above bill is correct and just and that payment therefor has not been received.
Date June 5, 1958 *Payee Umont Mining, Inc.
Per Dorothy F. Mehl Title General Manager

*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:

72.00

$ 72.00

Signature Dorothy F. Long
(Authorized Certifying Officer)

Date 6/10/58 Vou. No. 2179

(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. E 604 in accordance with the terms of the contract.

Signature /s/ Stephen W. Zoldok Title Mining Engr. Date June 9, 1958

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature /s/ A. E. Weissenborn Title Exec. Officer Date June 10, 1958

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.

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of May 1958 Docket No. DMEA 2874 Contract No. Idm-E604
Operator's Name Umont Mining, Inc. Minerals Manganese
Address 912 Kearns Building, Salt Lake City 1, Utah

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting	ft.	96.00	3	12,608.00	394.0	32.00	550	32.00
Crosscutting Rehabilitat.	ft.			4,100.00	200.0	20.50	240	20.50
Normal Timbering	ft.			3,710.00	371.0	10.00	550	10.00
Prepare and Plutus Shaft pump	job			2,082.00	comp.	2,082.00	job	2,082.00
Rehabilitate Plutus shaft	job			3,148.00	comp.	3,148.00	job	3,148.00
Rehabilitate 400 station	cu.ft.			1,600.00	3200	.50	3200	.50
Diamond drilling Undergr.	ft.			414.63	86.5	4.79	920	5.00
Diamond Drilling Surface	ft.			7,578.00	1138.0	6.70	1700	6.00
Stripping Bulldozer	hr.			105.00	7.5	14.00	15	14.00
Trenching Spiling	ft.			600.00	20.0	30.00	50	30.00
Test Pits Assaying	Sample			213.50	61.0	3.5	140	3.50
Roads and Trails								
TOTAL DISTRIBUTED COSTS		96.00	3	36,159.13				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
Stage I				23,190.70				
TOTAL COSTS				59,349.83				

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 6/4/58 Operator Umont Mining, Inc.

Per Dudley P. Wheeler Title General Manager

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)

6-9-58
/s/ Stephen W. Zoldok
Mining Engr.

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 872894

X

June 5, 1958

Mr. A. E. Weissenborn
Executive Officer, DMEA
Field Team, Region I
1201 N. Division Street
Spokane 2, Washington

Re: Docket No. DMEA-2874 (Manganese)
Amended Contract No. Idm-E604

Dear Mr. Weissenborn:

Enclosed please find five copies each of MF-104 and 104A claiming the additional payment, amounting to $72.00, referred to in Mr. G. A. Turner's report of reviews dated May 8, 1958.

I trust you will find the forms properly filled out.

Inasmuch as we have closed our Butte office the address on the forms is now given as 912 Kearns Building, Salt Lake City,1, Utah.

The last drifting done, under this DMEA contract, on the 400 level of the Norwich mine was in the first two days of December, 1956. Perhaps the MF104 and 104A forms should have that date (month of December, 1956, instead of month of May, 1958). If the dates need be changed please do so without sending the forms back to me, if you can.

Thanks for bringing our oversight to our attention.

Yours very truly,

Dooley P. Wheeler, Jr.

Dooley P. Wheeler, Jr.
General Manager

DPW:lh

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

Budget Bureau No. 42-R1036.5

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

RECEIVED 27 1958 DMEA

Month of December, 195 7 Docket No. DMEA 2874 Contract No. [illegible]-604

Operator's Name Usont Mining, Inc. Minerals Manganese

Address [illegible] Silver Low Block Butte, Montana

Contract Amount, $ [illegible],310.70 Government Participation: 75 % Amount, $ 81,383.00

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Contracts: Short Form						
Drilling		2032.00	2032.00			
Blasting		3148.00	3148.00			
Cross-cutting		1600.00	1600.00			
Drifting						
(2) Labor and Supervision:						
Labor		12512.00	12512.00			
Supervision		3710.00	3710.00			
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
Spilling		600.00	600.00			
Underground Drilling		414.63	414.63			
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis		213.50	213.50			
Payroll Taxes						
Liability Insurance						
Surface Drilling		7570.00	7570.00			
(8) Contingencies (specify):						
Dull Boring		105.00	105.00			
Stage 2		23100.70	23100.70			
TOTALS		59253.83	59253.83			

Facilities & Equipment: Install Pump

Shaft Plutus Shaft

Shaft Enlargement: Pump rehab. [illegible] 400 Station

400 x-out rehabilitation

Labor: Drifting 400 level

Supervision: timbering

Memo Only

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

Date 1/13/58 *Payee Usont Mining, Inc.

Per [illegible] Title Resident Manager

*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. ..... in accordance with the terms of the contract.

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

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 872893

Form MF-204A
(April 1952)

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

RECEIVED JAN 27 1958 D.M.E.A.

JAN 16 REC'D

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of December 195[illegible]7 Docket No. DMEA [illegible] Contract No. [illegible]
Operator's Name [illegible] Minerals [illegible]
Address [illegible]

OPERATION	Unit	Costs This Month	Units This Month	Costs to Date	Units to Date	Unit Costs to Date	Authorized by Contract: Units	Authorized by Contract: Unit Costs
Drifting	ft.			22,[illegible]12.00	391.0	32.00	550	32.00
Crosscutting	ft.			[illegible]	[illegible]	20.50	[illegible]	20.50
Raising	ft.			3,710.00	371.0	10.00	550	10.00
Shaft	ft.			[illegible]	comp.	[illegible]	[illegible]	[illegible]
Winzes	ft.			[illegible]	comp.	[illegible]	[illegible]	[illegible]
Diamond Core	ft.			1,600.00	32.00	0.50	3200	0.50
Churn	ft.			414.63	86.5	4.79	920	5.00
Surface Auger	ft.			7,57[illegible]	1130.0	6.70	1700	6.00
Stripping								
Trenching	hr.			105.[illegible]	7.5	14.0	15	14.00
Test Pits	ft.			6[illegible].00	20.0	30.00	50	30.00
Roads and Trails								
Assaying	[illegible]			233.50	41.0	3.50	140	3.50
Total Distributed Costs								Total Costs Authorized by Contract
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
Store 1				23,190.70				
Total Costs				59,253.33				

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

Date 1/23/58 Operator [illegible]

Per [illegible] Title [illegible]

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

NORWICH MINE

Silver Bow County
Montana

DMEA-2374 Contract Idm-2604 Manganese

NARRATIVE REPORT

Period December 1, 1957 through December 31, 1957

None of the work in progress at the Norwich Mine during December was covered by DMEA contract, and nothing has been vouchered for work performed on the accompanying forms.

During the month regular mining operations were prosecuted, as usual, on a two shift basis during the course of which about 1484 long dry tons of ore were produced and sold having an estimated gross value of approximately $45,000.00, and an average manganese content of about 23.3%.

The ore produced during December was sold under the following 9 lots 2 of which (Paige lot numbers 177 and 178 combined, comprised of approximately 118.5 L.D.T.) represent ore produced from the Norwich mining claim, and were therefore sold subject to a deduction of 5% of its gross value for payment to DMEA. The remaining 7 lots, Little Sarah numbers 18 through 26 (excepting Little Sarah numbers 24 and 25) comprised of 1365.4 L.D.T. were produced from the Little Sarah Mining claim, and were sold without any deduction to DMEA for the usual royalty.

During the current month, there was no work of a development or exploratory nature carried on, although some stope fill was placed, and a small amount of level repair accomplished.

We are enclosing herewith 5 copies of the long section showing the progress of stoping operations in both Norwich and Little Sarah ground. As an inspection will show, all the ore remaining in the Norwich Claim of commercial interest was extracted during December, and the bulk of the month's production was from Little Sarah ground. In the future all production will be from this source.

Yours very truly,

W. F. Criswell

Wilbur F. Criswell
Resident Manager

WFC/rlg

Encl.

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

Budget Bureau No. 42-R1036.5

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

DMEA RECD

Month of November, 1957 Docket No. DMEA 2374 Contract No. Idm-2604
Operator's Name Uremt Mining, Inc. Minerals Manganese
Address 506 Silver Bow Block Butte, Montana
Contract Amount, $ 108,510.70 Government Participation: 75% Amount, $ 81,383.00

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Contractors: Short Form						
Drilling						
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
Spiling		600.00	600.00			
Underground Drilling		414.63	414.63			
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis		213.50	213.50			
Payroll Taxes						
Liability Insurance						
Surface Drilling		7578.00	7578.00			
(8) Contingencies (specify):						
Bull dozing		105.00	105.00			
Stage 2		23190.70	23190.70			
TOTALS		59253.83	59253.83			

Install Pump
Facilitate & equipment
Plutus Shaft
Shaft rehabilitation
enlarge & rehabilitate 45 Station
400 X-cut rehabilitation
Drifting 400 level
Timbering

Memo only

I certify that the above bill is correct and just and that payment therefor has not been received.
Date 12/6/57 *Payee Uremt Mining, Inc.
Per R. F. Buswell Title Resident Manager

*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. ..... in accordance with the terms of the contract.

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

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 872893

Form MF-104A
(April 1952)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of November 1957 Docket No. DMEA 2374 Contract No. [illegible]
Operator's Name Comet Mining, Inc. Minerals Manganese
Address 506 Silver Bow Block Butte, Montana

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting	ft.			12,512.00	391.0	32.00	550	32.00
Crosscutting Rehab.	ft.			4,100.00	200.0	20.50	240	20.50
Raising Drift Timbering	ft.			3,710.00	371.0	10.00	550	10.00
Shafts Pumps & Facilit.	job			2,082.00	comp.	2082.00	job	2082.00
Shaft Rehab.	job			3,140.00	comp.	3140.00	job	3140.00
Stoping Ore Blasting	cu. ft.			1,600.00	32.00	0.50	3200	0.50
underg. stope drilling	ft.			414.63	86.5	4.79	920	5.00
surface stope drilling	ft.			7,570.00	1130.0	6.70	1700	6.00
Stripping								
Trenching Bull Dozer	hr.			105.00	7.5	14.00	15	14.00
Stripping	ft.			600.00	20.0	30.00	50	30.00
Roads and Trails								
Assaying Sample				213.50	61.0	3.50	140	3.50
TOTAL DISTRIBUTED COSTS								TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
Stage 1				22,190.70				
TOTAL COSTS				52,253.03				

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 12/6/57 Operator Comet Mining, Inc.

Per [signature] Title President Manager

REMARKS:

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

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

GPO 83-38475

EXTRA COPY
DMEA
RECEIVED 1957
DATE | CODE

NORWICH MINE

Silver Bow County

Montana

DMEA - 2874 Contract Idn - E624 Manganese

NARRATIVE REPORT

Period November 1, 1957 through November 30, 1957

None of the work in progress at the Norwich Mine during October was covered by DMEA contract, and nothing has been vouchered for work performed on the accompanying forms.

During the month regular mining operations were prosecuted, as usual, on a two shift basis during the course of which about 1915 long dry tons of ore were produced and sold having an estimated gross value of approximately $61,200. and an average manganese content of about 25%.

The ore produced during October was sold under the following 28 lots, 10 of which (Waise lot numbers 168 through 177 comprised of approximately 769 L.D.T.) represent ore produced from the Norwich mining claim, and were therefore sold subject to a deduction of 5% of its gross value for payment to DMEA. The remaining 18 lots, Little Sarah numbers 4 through 17, comprised of 1146 L.D.T. were produced from the Little Sarah Mining Claim, and were sold without any deduction to DMEA for the usual royalty.

We are enclosing herewith 5 copies of the long section showing the progress of stoping operations in both Norwich and Little Sarah ground.

Yours truly,

Wilbur F. Criswell

Wilbur F. Criswell
Resident Manager

WFC/-lg

Encl.

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

Budget Bureau No. 42-R1036.5

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

RECEIVED NOV 25 1957 D.M.E.A.

NOV 1 1957

Month of October, 1957 Docket No. DMEA 28 Contract No. Idm-E604
Operator's Name 506 Silver Bow Block Butte, Montana Minerals Manganese
Address Umont Mining, Inc.
Contract Amount, $ 108,510.70 Government Participation: 75 % Amount, $ 81,383.00

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Contracts: Short Form						
Drilling						
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
Totals		59253.83	59253.83			

facilities & Install pump equipment
Shaft & Enlarge ~~xxxxxx~~ rehabilitate 400 Station
~~xxxxxx~~ rehabilitation
400 x-cut rehabilitation
~~xxxx~~ Drifting 400 level
~~xxxxxx~~ Timbering
Spiling
Underground drilling
Surface Drilling
Bull dozing
Stage 2

Memo only

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

Date 11/12/57 *Payee Umont Mining, Inc.

Per Wilbur F. Cressiwell Title Resident Manager

*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. ..... in accordance with the terms of the contract.

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

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 872893

Form MF-[illegible]A
(April 1952)

Budget Bureau No. 42-R1151.2

RECEIVED NOV 25 1957 D.M.E.A.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of October 195 7 Docket No. DMEA 2874 Contract No. Idm-E604

Operator's Name Umont Mining, Inc. Minerals Manganese

Address 506 Silver Bow Block, Butte, Montana

OPERATION	Unit	Costs This Month	Units This Month	Costs to Date	Units to Date	Unit Costs to Date	Authorized by Contract: Units	Authorized by Contract: Unit Costs
Drifting	ft.			12,512.00	391.0	32.00	550	32.00
400 Crosscut rehab.	ft.			4,100.00	200.0	20.50	240	20.50
Drift Timbering	ft.			3,710.00	371.0	10.00	550	10.00
Install Shafts Pumps & Facilities	job			2,082.00	comp.	2082.00	job	2082.00
Shaft rehab.	job			3,148.00	comp.	3148.00	job	3148.00
400 Station enlarging	cu.ft.			1,600.00	32.00	0.50	3200	0.50
underg. drilling	ft.			414.63	86.5	4.79	920	5.00
surface drilling	ft.			7,578.00	1138.0	6.70	1700	6.00
Stripping								
Trenching Bulldozer	hr.			105.00	7.5	14.00	15	14.00
Spiling	ft.			600.00	20.0	30.00	50	30.00
Roads and Trails								
Assaying	sample			213.50	61.0	3.50	140	3.50
Total Distributed Costs								Total Costs Authorized by Contract
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
Stage 1				23,190.70				
Total Costs				59,253.83				

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 11/12/57 Operator Umont Mining Inc.

Per Wilbur F. Emmick Title Resident Manager

Remarks:

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

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

GPO 872894

NORWICH MINE
Silver Bow County
Montana

DMEA - 2374 Contract Idm-2604 Manganese

NARRATIVE REPORT

Period October 1, 1957 through October 31, 1957

None of the work in progress at the Norwich Mine during October was covered by DMEA contract, and nothing has been vouchered for work performed on the accompanying forms.

During the month regular mining operations were prosecuted, as usual, on a two shift basis during the course of which about 1981 long dry tons of ore were produced and sold with an estimated gross value of approximately $4",240.00 and an average manganese content of about 21%.

The ore produced during October was sold under the following 24 lots, 21 of which (raise lots numbers 160 through 167 and Drift lots 77 through 79, comprised of approximately 1771 L.D.T.) represent ore produced from the Norwich mining claim, and were therefore sold subject to a deduction of 5% of its gross value for payment to DMEA. The remaining 3 lots, Little Sarah Lots numbers 1 through 3 comprised of approximately 230 L.D.T. were produced from the Little Sarah Mining Claim, and were sold without any deduction to DMEA for the usual royalty.

With this narrative report 5 copies of a combined geologic - assayplan are enclosed which bring up to date all exploration and drilling accomplished through October 31 whether performed under the subject contract or otherwise. Since no further work of this nature is contemplated in the future, this will be the last time, copies of this map will accompany this report. Among other things shown, are diamond drill holes M_2 completed September 21, at a depth of 136 feet, M_3 completed October 15, at a depth of 157 feet, and M_4 completed October 21, at a depth of 137 feet. None of this work was performed under subject contract, and results of all except M_4 were negative. In hole M_4 a vein intersection was disclosed between 70 and 90 feet which was not sufficiently mineralized to be of commercial interest.

We are also enclosing 5 copies of the long section showing the progress of stoping operations in both Norwich and Little Sarah ground. We shall continue to forward monthly copies of this stope map in view of the fact an increasing portion of our production will not be subject to the 5% DMEA royalty deduction.

Yours truly,

Wilbur F. Griswell

Wilbur F. Griswell
President Manager

WFG/rlg

-164 (Rev.)
1952)

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Budget Bureau No. 42-R1036.5

OPERATOR'S MONTHLY REPORT AND VOUCHER

OCT 13 REC'D

Month of September, 1957 Docket No. DMEA 2874 Contract No. Idm-E604
Operator's Name Umont Mining, Inc. Minerals Manganese
Address 506 Silver Bow Bldg. Butte, Montana
Contract Amount, $ 109,510.70 Government Participation: 75 % Amount, $ 81,383.00

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent facilities & Contractors: Install Pump Equipment						
Drilling						
Plutus Shaft		2082.00	2082.00			
Shaft Bulldozing Rehabilitation		3148.00	3148.00			
Enlarge Rehabilitate		1600.00	1600.00			
400 Station						
Drifting						
400x-cut Rehabilitation		4100.00	4100.00			
(2) Labor and Supervision:						
Drifting Labor 40 level		12512.00	12512.00			
Supervision Timbering		3710.00	3710.00			
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
Spiling		600.00	600.00			
Underground Drilling		414.63	414.63			
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis		213.50	213.50			
Payroll Taxes						
Liability Insurance						
Surface Drilling		7578.00	7578.00			
(8) Contingencies (specify):						
Bulldozing		105.00	105.00			
Stage 2		23190.70	23190.70			
TOTALS		59253.83	59253.83			

Paid

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

Date 10/5/57 *Payee Umont Mining, Inc.

Per Gilbert F. Cusick Title President Manager

*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. ..... in accordance with the terms of the contract.

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

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 872893

[redacted] 04A
[redacted] 1962)

Budget Bureau No. 42-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

OCT 13 REC'D

Month of September 1957 Docket No. DMEA 2374 Contract No. Idm-E604
Operator's Name Umont Mining, Inc. Minerals Manganese
Address 506 Silver Bow Block, Bldg. Butte, Montana

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting	ft.			12512.00	391.0	32.00	550	32.00
400 Crosscutting Rehabilitation	ft.			4100.00	200.0	20.50	240	20.50
Raising Drift Timbering	ft.			3710.00	371.0	10.00	550	10.00
Shafts Install Pumps & Facilities	Job			2082.00	comp.	2082.00	job	2082.00
Shaft Rehab.	job			3148.00	comp.	3148.00	job	3148.00
400 Station Enlarging	cu.ft.			1600.00	3200	0.50	3200	0.50
Mining Costs Underground drilling	ft.			414.63	86.5	4.79	920	5.00
Surface drilling	ft.			7578.00	1138.0	6.70	1700	6.00
Stripping								
Trenching Bulldozer	hr.			105.00	7.5	14.00	15	14.00
Test Pits Spiling	ft.			600.00	20.0	30.00	50	30.00
Roads and Trails								
Assaying	sample			213.50	61.0	3.50	140	3.50
TOTAL DISTRIBUTED COSTS								TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
Stage 1				23190.70				
TOTAL COSTS				59253.83				

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 10/5/57 Operator Umont Mining, Inc.

By Gilbert F. Kerswell Title President Manager

REMARKS:

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

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

GPO 872894

OCT 1 3 REC'D

NORWICH MINE

Silver Bow County

Montana

DMEA - 2874 Contract Idm E-604 Manganese

NARRATIVE REPORT

Period September 1, 1957 through September 30, 1957

The surface drilling in progress since May under subject contract was completed in August and with its completion none of the work in progress at the Norwich Mine during September was covered by DMEA contract, and nothing has been vouchered for work performed on the accompanying forms.

During the month regular mining operations were prosecuted, as usual, on a two shift basis during the course of which about 300 long dry tons of ore were produced and sold with an estimated gross value of approximately $20,000.00 and an average manganese content of about 20.6%. The majority of this production was from 4-486 Raise with the remainder being derived from 4-497 Stope E. The 4-506 ore block had been completely extracted by the end of August, and 4-497 Stope West was shut down the whole month for filling which account for the drastic decline in production this month. Extraction of the ore remaining in 4-497 Stope East was completed by September 24. This stope was also out of production the first 16 days of the month which being filled, and mining was resumed September 17th in this place.

The accompanying long section which shows the position of the 4-486 Raise with respect to the Little Sarah - Norwich end lines, is enclosed in order that this important relationship may be carefully rated. Now that mining operations are about to commence in Little Sarah ground, we will shortly be producing and selling ore which under the our DMEA contract is not subject to the usual 5% royalty to DMEA. Because this raise crosses this division line (the line bisects the raise for a considerable distance) all production from the raise itself has been sold subject to the usual DMEA royalty. In the future, only the production from stoping east of the 4-486 Raise will be sold subject to this royalty deduction.

The geologic assay plan accompanying this report shows the position of two diamond drill holes, M2 and M3, drilled from the 400 level west drift face during the month. Neither of these holes has been completed at month's end, and since this drilling was not done under contract the logs have not been enclosed. Results to date however, have been entirely negative as far as revealing additional ore is concerned.

A great deal of repair work on the sills of both the 300 foot and 400 foot levels was accomplished during the month as well as extensive stope filling operations. Filling is now up to date with mining. Considerable work was also necessary to re-open and

repair our exhaust ventilation system and emergency man escapeway during the month.

Yours truly

Wilbur F. Griswell

W. F. Griswell
Resident Manager

/rls

COPY

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

Budget Bureau No. 42-R1036.5

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

RECEIVED

Month of August, 1957 Docket No. DMEA 2874 Contract No. Idm-E604
Operator's Name Umont Mining, Inc. Minerals Manganese
Address 506 Silver Bow Block, Butte, Montana
Contract Amount, $ 108,510.70 Government Participation: 75 % Amount, $ 81,383.00

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Facilities & Contracts: Install Pump Equipment						
Shaft Rehabilitation: Pluto Shaft		2082.00	2082.00		2082.00	2082.00
Enlarge & Rehabilitate 400 Station		3148.00	3148.00		3148.00	3148.00
		1600.00	1600.00		1600.00	1600.00
400 x-cut Rehabilitation		4100.00	4100.00		4100.00	4100.00
(2) Ground Supervision: Drifting 400 level		12512.00	12512.00		12512.00	12512.00
Supervision Timbering		3710.00	3710.00		3710.00	3710.00
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
Spiling		600.00	600.00		600.00	600.00
Underground Drilling		414.63	414.63		414.63	414.63
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis	14.00	199.50	213.50	14.00	199.50	213.50
Payroll Taxes						
Liability Insurance						
Surface Drilling	1902.00	5676.00	7578.00	1902.00	5676.00	7578.00
(8) Contingencies (specify):						
Bulldozing	56.00	49.00	105.00	56.00	49.00	105.00
Stage 1		23190.70	23190.70		23190.70	23190.70
TOTALS	1972.00	57281.83	59253.83	1972.00	57281.83	59253.83

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

Date 9-6-57 *Payee Umont Mining, Inc.

Per Milton F. Brewer Title Resident Manager

*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:

$ 1479.00

Signature Dorothy F. Long
(Authorized Certifying Officer)

Date 10/7/57 Vou. No. 2050

(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. E 604 in accordance with the terms of the contract.

Signature /s/ John A. Brewer Title Mining Engr. Date Sept. 16, 1957

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature /s/ A. E. Weissenborn Title Exec. Officer Date Oct. 3, 1957

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.

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

SEP 23 1957

RECEIVED
OCT 14 1957
D.M.E.A.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of August 1957 Docket No. DMEA 2874 Contract No. DMEA-604
Operator's Name Unont Mining, Inc. Minerals Manganese
Address 506 Silver Bow Block, Butte, Montana

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting	ft.			12,512.00	391.00	32.00	550	32.00
Crosscutting	ft.			4,100.00	200.00	20.50	240	20.50
Drift Timbering	ft.			3,710.00	371.00	10.00	550	10.00
Shafts Pumps facilities	job			2,082.00	comp.	2082.00	job	2082.00
Shaft Rehab.	job			3,148.00	comp.	3148.00	job	3148.00
Raising Enlarging	cu.ft.			1,600.00	3200	0.50	3200	0.50
Underground Drilling	ft.			444.63	86.5	4.79	920	5.00
Surface drilling	ft.	1902.00	317.0	7,578.00	1138.0	* 6.70	1700	6.00 *
Stripping								
Trenching Bulldozer	hr.	56.00	4.0	105.00	7.5	14.00	15	14.00
Spiling	ft.			600.00	20.0	30.00	50	30.00
Roads and Trails								
Assaying	sample	14.00	4.0	213.50	61.0	3.50	140	3.50
TOTAL DISTRIBUTED COSTS								TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
Stage 2				23,190.70				
TOTAL COSTS		1972.00		59,253.83				

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 9-6-57 Operator Unont Mining, Inc.

Chester T. Brewer Title Resident Manager

REMARKS: According to contract $6.00 per foot for drilling, and $2.50 per foot for reaming and casing, or cementing and redrilling cement. Figure includes 300 feet of above at $2.50 making average cost to date, vouchered at $6.70 per foot.

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)

1st John A. Bowker
Mining Engr.
Sept. 16, 1957

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 872894

SEP 16 1957

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D M E A
RECEIVED SEP 14 1957

DATE		JOBE

NORWICH MINE

Silver Bow County

Montana

DMEA - 2874 Contract Idm E-604 Manganese

NARRATIVE REPORT

Period August 1, 1957 through August 31, 1957

During the month of August none of the underground work in progress was covered by subject contract.

Our regular mining operations were prosecuted all month on a two shift basis in 4-506 and 4-497 Stopes W. 4-497 Stope E produced on a two shift basis the first half of the month, and 4-553 stope was mined on a single shift for about the first three weeks of the month until the ore block was completely extracted. Extraction of the 4-506 ore block was also completed at the end of the month.

The 4-436 Raise started from the 400 level on the common end line between the Little Sarah and Norwich Claims was advanced to a point 46 feet above the sill by the end of the month. It intersected valuable ore of good width at a point about 34 feet above the sill. Since under subject contract ore produced from the Little Sarah Claim is not subject to the 5% royalty deduction for DMEA account, the ore stoped from the west side of this raise will not bear this charge but all ore extracted east of the 4-436 Raise will be subject to the 5% DMEA royalty, and will be so marked when sold. Although the end line between the tow claims concerned runs through the raise, all ore being produced from it is being marked as subject to the 5% royalty deduction. During August 78.5 L.D.T. of good grade ore was produced from this raise for September sale.

A samll amount of ore was mined from 4-497 Stope off and on during the month mopping up the few remaining remanents between this stope back and the sill.

Altogether 3418.7 L.D.T. tons of ore were produced in August with a gross value of $87,723.72 and an average manganese content of 20.6%.

The only work in progress covered by subject contract during August was diamond drill exploration carried out from the surface. Hole S 2-A (irroneously referred to in July's narrative as S 3) was advanced from a depth of 180 feet at the first of the month to completion at 497 feet through decomposed, hydrothermally altered granodiorite and bleached, altered aplite. The interval between 417 and 427 feet showed a weakly mineralized structure containing sub commercial amount of manganese and silver, as well as scattered miscellaneous metalifferous sulphides. Essentially the same conditions were found again in the interval from 449 feet to 458 feet.

SEPT 6 1943

All surface drilling was completed August 21. Copies of the geologic log of Hole S 2-A for the section drilled in August are enclosed. Also enclosed with this months' report in quintriplicate are vertical sections of all drill holes completed to date under the contract.

Yours truly

Milton F. Cruiswell
Resident Manager

/rlg

COPY

UMONT MINING INC.

Drill Hole Loge

Norwich Mine, DTEA Contract in Silver Bow County, Montana

Hole #S2A, continued

August Drilling

Size of core: BX 171 to 395: AX 395 to 497

Core Recovery: BX 82%; AX 65%
Hole Started: July 24, 1957
Hole completed: August 21, 1957
Monthly Footage: 317 ft
Type of Drill: Boyles Brothers IHS
Assays: Four assays were taken; two from what is believed to be the Plutus vein and two from what is believed to be the Norwich vein. Because of faulting, both veins were penetrated twice. The plutus vein assays 1.8% Mn and 0.6 oz Ag from 233 to 234', and 0.7% Mn and 1.2oz Ag from 277 to 278.5'. The norwich vein assays 4.5% Mn, and 9.6 oz Ag from 423 to 424.5'., and 3.9% Mn and 0.8oz Ag from 449 to 450.5'. Although the coring shows a wider vein structure for the Norwich vein than sampled, the sections not sampled were definitely barren of ore.

Drill Log

From	To	Interval	Core Recovery	Description of Core
170	188	8	10 %	Slightly altered, medium grained, bluish-grey aplite with 1 in. inclusions of Pegmatitic aplite at 184 and 184.2ft-- grains average ¼ in. in diameter. FeOx staining in fractures, Montmorillonite clay development in seams. 6 in. hydrothermally altered zone at 187 ft.
188	190	2	100%	Bluish-grey Pegmatitic aplite. Quarts and orthoclase grains about ½ in. in diameter. Slight Montmorillonite clay development.
190	192	2	100%	Bluish-grey hydrothermally altered coarse-grained aplite. FeOx stain throughout the core: abundant montmorillonite clay development. Probable fault clay at 191.3 ft.
192	196	4	100%	Bluish-grey, fractured, coarse-grained aplite with very slight FeOx staining and MnOx inclusions. 3 in. band of pegmatitic aplite at 195 ft.
196	200	4	100%	Bluish-grey, fractured, medium- to coarse-grained aplite with FeOx and minor MnOx staining. 1 in. inclusions of pegmatitic aplite at 197 ft.; 1/8 to ¼ vein of quartz in center of core from 198 to 200 ft. Montmorillonite clay development.

COPY

From	To	Interval	Core Recovery	Description of Core
200	203	3	100%	Weathered, altered, fractured, medium-grained aplite. Pyrite and biotite grains have been weathered to limonite. Rock is brown in color, with abundant FeOx and minor MnOx ~~and minor~~ MnOx staining in seams and fractures. Montmorillonite clay development.
203	204.5	1.5	100%	Bluish-and yellowish grey pegmatitic aplite with grains $\frac{1}{4}$ in. in diameter and minor FeOx and MnOx. Abundant Montmorillonite clay development.
204.5	207.5	3	100%	Greenish-yellow and white, hydrothermally altered, pegmatitic aplite. Abundant montmorillonite clay development, some chlorite, and bleaching of feldspars. FeOx and minor MnOx staining.
207.5	216	8.5	95%	Bluish-grey, weathered, pegmatitic aplite. Grains range from 1/8 to $\frac{1}{4}$ in. in diameter. Pyrite completely oxidized to limonite.
216	219	3	100%	Weathered, fractured, altered, coarse-grained aplite. Increase in FeOx stains and a slight increase in MnOx stains, probable fault clay at 219 ft.
219	224	5	88%	Weathered, fractured, altered, coarse-grained to pegmatitic aplite. FeOx stains and an increase of MnOx (1%) in seams and fractures.
224	233	9	66%	Bluish-grey, fractured, coarse-grained aplite. Rock is more weathered from 229 to 233 than rest of the core. Increase in MnOx (2+%) and a decrease in FeOx. Probable fault clay at 230 ft; probable soft spots from 230 to 232 as only 33% of the core was recovered from this interval.
233	234	1	70%	Hydrothermally altered, fractured, white aplite with thin (1/8 to $\frac{1}{4}$ in.) stringers of MnOx throughtout the core -- very minor FeOx. Assay No. DDH 82A 322, 1.8% Mn, o.6 oz Ag.
234	239	5	60%	Hydrothermally altered, partially crushed, bleached, and FeOx stained fine-grained aplite. Inclusions of MnOx (2%) throughout the- core.
239	24.5	6.5	66%	Hydrothermally altered, crushed, fine - to medium-grained aplite. Rock is sandy in spots and has been faulted. FeOx and MnOx (2%) inclusions in crushed zone. $\frac{1}{2}$ in. faulted vein of quartz, pyrite, limonite and minor MnOx at 245.5 ft. About 50% of the pyrite has been weathered to FeOx.

COPY

From	To	Interval	Core Recov[illegible]	Description [illegible] Core
245.5	259	13.5	80%	Slightly weathered, fractured, bluish to yellowish-grey, coarse-grained aplite. FeOx stains and minor MnOx stains in seams and fractures. Pyrite (1+%) has been partially altered to FeOx; Some sericite clay development.
259	262	3	100%	Light grey, rather fresh and hard, coarse-grained granoplite with inclusions or blebs of biotite. Small amount (1%) of fresh pyrite and a slight amount of montmorillonite clay. Thin, hard fault clay at 262 ft.
262	266	4	100%	Light grey, altered, crushed, coarse-grained granoplite. Inclusions or blebs of pyrite (1-2%) and sericite clay development. Possible thin fault clays.
266	273	7	100%	Light grey to greenish-grey, fractured, slightly altered, granoaplite. Inclusions or blebs of pyrite. Sericite clay development. 1" dark grey medium hard fault clay at 270.5 ft and thin soft clay in seams.
273	283	10	96%	Light brown, highly fractured, weathered, coarse-grained, aplite. Abundant MnOx in seams and fractures and ¼ to 3/8" stringers at 277 ft. Blebs of pyrite have been partially weathered to FeOx Montmorillonite clay development. Assay No. DDH S2A, 323 from 277 to 278.5; 0.7% Mn, 1.2 oz Ag.
283	286	3	67%	Light grey to white, fractured, weathered, and altered, medium-grained aplite. Pyrite almost completely altered to FeOx. No MnOx. Sericite clay development.
286	291	5	76%	Light brown, fractured, weathered, altered, medium-grained aplite. 1-2% MnOx stains in fractures. Pyrite oxidized to FeOx, sericite clay development.
291	311	20	69%	Light grey, fractured, weathered, fine-to medium-grained aplite. FeOx stains in seams, fractures, and around pyrite grains. Montmorillonite clay development.
311	314	3	0	No core or sludge. Drilled very soft-- the rods almost dropped the entire 3 ft.
314	318	4	60%	Light grey, altered, highly crushed, medium-grained aplite. Pebbles 3/8 in. across of aplite included in the core. Pyrite rather "fresh". Fault clay at 317 ft. (50° to hole); ¼ of medium hard, dark grey clay.

COPY

From	To	Interval	Core Recov[illegible]	Descript[illegible] of Core
318	325	7	100%	Light greenish grey, pyritized, fractured, altered, coarse-grained granoaplite. Pyrite 2-3% is in form of grains and inclusions, 1/8" fault clay at 319.5 ft Montmorillonite clay develppment.
325	331	6	100%	Light greenish-grey, puritized, fractured altered, coarse-grained granoaplite to granodiorite. Pyrite is in form of fine grains in blebs, and streaks throughout the rock.
331	345	14	100%	Light greenish grey, pyritized, slightly altered, fractured granoaplite. Pyrite 2-3% in fine grained blebs and streaks and included in very thin vein quartz at all angles to the core. $\frac{1}{4}$ in. vein of pyrite at 333 ft. vuggy filling of quartz $\frac{1}{4}$ in. wide at 334 ft. Sericite and chloritic clay alteration.
345	349	4	100%	Light greenish grey, pyritized, altered, fractured, granoaplite. Pyrtie is fine-grained in blebs throughtout the rock. Sericite and chloritic clay alteration.
349	352	3	100%	Light grey, slightly pyritized, rather "fresh" coarse-grained aplite with inclusions of pegmatitic aplite. Sericite clay development.
352	368	16	81%	Light grey, altered, crushed, slightly pyritized, coarse-grained aplite to granoaplite. Highly crushed fault zones at 354 to 356 ft and 360 to 362 ft.
368	374	6	67%	Light brown, fractured, weathered, crushed, corase-grained granoaplite with MnOx and FeOx staining on seams and fractures.
374	378	4	96%	Light greenish-grey, fractured, pyritized, coarse-grained to pegmatitic granoaplite. Slight FeOx staining from 376 to 378.
378	379	1	90%	Fractured, oxidized MnOx and FeOx stained, coarse-grained granoaplite. Pyrite almost completely oxidized.
379	388	9	55%	Fractured, slightly oxidized, medium-to corase-grained aplite. Fault zone with numerous small fault clays and hydrothermal alteration from 384 to 385.5. Pyrite slightly oxidized to 384 ft.
388	395	7	45%	Greenish-grey, fractured, slightly pyritized medium-grained aplite. Pyrite in fine grained blebs. Thin clays at 394 ft.

COPY

From	To	Interval	Core Recovery	Description of Core
Ax core				
395	397	2	77%	Fractured, oxidized, medium-grained aplite with FeOx and MnOx (both 1-2%) in fractures. Pyrite completely oxidized.
397	412	15	79%	Light grey, slightly fractured, slightly hydrothermally altered, medium-grained aplite. Pyrite is fresh fine grains in clusters. Montmorillonite clay alteration; Fault clays at 399 and 403.5 ft.
412	417	5	86%	Light grey, fractured, pegmatitic aplite. FeOx Stains in fractures from 413.5 to 415. Stringers of vein quartz along axis of core from 415 to 417 ft. Pyrite is fine grained in inclusions in rock.
417	427	10	84%	Light to dark grey, highly crushed, hydrothermally altered aplite with minor MnCO3, pyrtie, and numerous fault clays. Rock has been crushed and altered to the extent it is sand in a matrix of clay. Small grains of MnCO3 in clay seams and apparently less than 1%. Clays at 422, 423 (6" wide), 424, and 427 ft. Assay No. DDH S2A 360 from 423 - 424.5' - 4.5% Mn, 9.6 oz Ag.
427	443	16	53%	Light grey, slightly altered and fractured, pyritized, fine-to medium-grained aplite. Pegmatitic inclusions at about 437 ft. Pyrite (1-2%) is in crystals and small inclusions colored black because of fine grains. Very minor tremolite and chalcopyrite? grains. Montmorillonite clay development.
443	449	6	30%	Partially crushed, altered, fractured, pyritized, light greenish-grey, medium-grained aplite. Core recovery very poor in badly crushed zones. One MnCO3 grain $\frac{1}{4}$ in. in diameter at 448 ft. Fault clays at 444 and 449 ft. Pyrite is rather "fresh".
449	458	9	55%	Completely crushed aplite in a fault clay and clay matrix. MnCO3 grains in blue clay matrix from 449 to 450.5. Quartz stringers with very minor sphalerite? from 455 to 457. Pyrite grains throughout the core. Clays are medium hard. Assay No. DDH S2A 361 from 449 - 450.5' - 2.9% Mn, 0.8 oz Ag.
458	463	5	64%	Light greenish-grey slightly fractured corase-grained aplite to granoaplite. Small inclusions of pyrite. Montmorillonite clay alteration. Pebbles from 462 to 463 ft.

463	472	9	55%	Light greenish grey, slightly fractured, coarse-grained aplite to granoaplite with pegmatitic inclusions. Montmorillonite clay alteration. Grain of chalcopyrite? at 471 ft. Pyrite (1-2%) is black fine-grained inclusions and yellow crystals. Slightly oxidized zone from 470 to 471 ft.
472	485	13	61%	Light yellow and pinkish-grey pegmatitic aplite with ¼ in. grains of quartz and orthoclase. Pyrite (2-3%) in form of large yellow grains. Crushed zone and clay at 479 ft.
485	492	7	73%	Pinkish to dark green coarse-grained aplite to granoaplite. Pyrite is oxidized to hematite in zones from 488 to 490 ft.
492	497	5	68%	Dark green, fine-grained aplite. Pyrite altered to hematite. Rock contains abundant fine-grained quartz.

Summary of August Drilling

The hole from 180 to 497 ft was drilled completely in aplite, although the USGS would probably term the pegmatitic aplite as alaskite.

The ground through which this hole was drilled is badly fractured and contains numerous water channels and/or fracture zones. Except for 5 ft of sludge return at 397 ft, when the hole was cased with AQ casing, no sludge was returned below 250 ft.

It is believed that a normal fault (strike and dip unknown) has caused both the Plutus and Norwich veins to be drilled twice by this hole.

From the extent of oxidation of the pyrtic grains, water in large quantities may be expected when drifting eastward from the Plutus shaft. Evidence of ground water circulation below 450 ft is seen in the oxidation of the purite grains to hematite in the otherwise uneffected wall rock encountered at 463 ft.

The Plutus vein was located only by stringers of MnOx in slightly altered aplite and shows very weak mineralization. A vein structure of approximately 8 ft forms the Norwich vein. It is highly faulted, hydrothermally altered, and crushed. Mineralization is lacking in any appreciable amount in the area of the drill hole. Apparently most of the MnCO3 encountered is drag ore in the wide hanging wall fault clay.

Respectfully submitted

Robert G. Garwood

Robert G. Garwood
Geologist

MF-104 (Rev.)
April 1952)

Budget Bureau No. 42-R1036.5

BUREAU OF MINES
AUG 21 1957

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

Month of July, 1957 Docket No. DMEA 2076 Contract No. Idm - E 604

Operator's Name Uncont Mining, Inc. Minerals Manganese

Address 506 Silver Bow Block, Butte, Montana

Contract Amount, $ 108,510.70 Government Participation: 75% Amount, $ 81,383.00

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
Install Pump						
(1) Independently Contracted Facilities & Equipment Short Form						
Drilling Plutus Shaft		2082.00	2082.00		2082.00	2082.00
Bulldozing Rehabilitation		3148.00	3148.00		3148.00	3148.00
Crosscutting 400 Station		1600.00	1600.00		1600.00	1600.00
Drifting						
400 x-cut Rehabilitation		4100.00	4100.00		4100.00	4100.00
(2) Labor and Supervision:						
Drifting 400 Level Labor		12512.00	12512.00		12512.00	12512.00
Supervision Timbering		3710.00	3710.00		3710.00	3710.00
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
Spiling		600.00	600.00		600.00	600.00
Underground drilling		414.63	414.63		414.63	414.63
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis	7.00	192.50	199.50	7.00	192.50	192.50
Payroll Taxes						
Liability Insurance						
Surface Drilling (see attached schedule)	3449.00	2202.00	5651.00	3474.00	2202.00	2202.00
(8) Contingencies (specify):						
Bulldozing		49.00	49.00		49.00	49.00
Stage 1		23190.70	23190.70		23190.70	23190.70
TOTALS	3456.00	53800.83	57256.83	3481.00	53800.83	53800.83
						57264.83

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

Date August 12, 1957 Payee Uncont Mining, Inc.

Per Dorothy P. Wheeler Title General ~~Assistant~~ Manager

*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:

$ 2610.75

Signature Dorothy F. Long (Authorized Certifying Officer)

Date 8/30/57 Vou. No. 20344

(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. E 604 in accordance with the terms of the contract.

Signature /s/ George T. Kreopsky Title Mining Engr. Date Aug. 16, 1957

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature /s/ A. E. Weissenborn Title Exec. Officer Date Aug. 22, 1957

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.

RECEIVED AUG 6 1957 DMEA

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of July 1957 Docket No. DMEA 2374 Contract No. Idm E-604
Operator's Name Umont Mining, Inc. Minerals Manganese
Address 506 Silver Bow Block, Butte, Montana

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting	ft			12,512.00	391.0	32.00	550	32.00
400 Crosscutting Rehabilitation	ft			4,100.00	200.0	20.50	240	20.50
Drift Timbering	ft			3,710.00	371.0	10.00	550	10.00
Install Shafts Pump & Facilities	job			2,082.00	comp	2082.00	job	2082.00
Shaft Rehabilitation	job			3,148.00	comp	3148.00	job	3148.00
400 Station Enlarging	cu ft			1,600.00	3200	0.50	3200	0.50
Underground Drilling	ft	2724.00		444.63	86.5	4.79	920	5.00
Surface Drilling	ft	3449.00	454.0	5,651.00	821.0	6.88	1700	6.00*
Reaming & Cleaning grouted	ft.	750.00	300.00	750.00	300		300	2.50
Stripping								
Bulldozer	hr			49.00	3.5	14.00	15	14.00
Spiling	ft			600.00	20.0	30.00	50	30.00
Roads and Trails								
Assaying		7.00	2.0	199.50	57.0	3.50	140	3.50
TOTAL DISTRIBUTED COSTS								TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
Stage 1				23,190.70				
TOTAL COSTS		3,456.00		57,256.83				

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 August 12, 1957 Operator Umont Mining, Inc.

Per Dooley P. Wheeler Jr. Title ~~President~~ General Manager

REMARKS: According to contract $6.00 per foot for drilling 2.50 per foot for reaming or drilling cement

→ 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)

1st George T. Krengocky, Mining Engr., Aug. 16, 1957

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.

RECEIVED
SEP 6 1957
D.M.E.A.

Diamond Drilling July 1957 At Norwich Mine

Contract No. Idm - E 604 DMEA Docket No. 2874

Hole S-I

Drilling from 367 feet to 495 feet; 128 feet @ $6.00	=	$ 768.00
Reaming 256 feet (none previously vouchered) @ $2.50	=	640.00
Cementing and re-drilling ~~34~~ 44 feet (660 fe t cemented and redrilled)	=	110.00 ~~85.00~~
		~~$1493.00~~ 1518.00

Hole S-2

Drilling from 0 - 146 feet; 146 feet @ $6.00	=	$ 876.00

Hole S-3

Drilling from 0 - 180 feet; 180 feet @ $6.00	=	1080.00
Total voucherable drilling costs		~~$3449.00~~ 3474.00

Total footage vouchered July	454 feet
Reaming and casing	256 feet *
Cementing and re-drilling	~~34~~ 44 feet **

* Total on hole S1; all but 49 feet performed in May and June but not previously vouchered.

** 660 feet total on hole S-1 but only ~~34~~ 44 feet can be vouchered under terms of contract to 300 foot total for both reaming and casing and cementing and drilling.

COPY

DPW

AUG

NORWICH MINE

Silver Bow County

Montana

D M E A - 2874 Contract Idm E-604 - Manganese

NARRATIVE REPORT

Period July 1, 1957 through July 31, 1957

During the month of July, none of the underground work in progress was covered by subject contract.

Our regular mining operations were prosecuted in 4-506 stope, 4-497 stopes east and west, and 4-553 stope. In the course of our stoping operations, 3073, 5032 long dry tons of ore were produced, with a gross value of $84,845.45, and an average manganese content approximating 20.7%

A good deal of repair work was done on the 300 foot level sill to prevent its loss and use to the mining operations presently in progress below, although not as much as was required the previous two months.

The only work in progress which was covered by subject contract during July was diamond drill exploration carried out from surface. Hole S-1 was extended 128 feet from 367 feet to completion at 495 feet. A vein, believed to be the Norwich, was intersected from 442 to 450 feet. Core recovery was poor (26%) at the intersection, which did not indicate commercial ore.

The rig was moved and hole S-2 collared in decomposed granodiorite at mine coordinates 5415 N and 5755 E. This hole was inclined minus 62.5 degrees north. At a depth of 133 feet, it encountered volcanic rock which persisted to 146 feet where the drilling was terminated. The presence of volcanic rock types where they were formerly unsuspected is believed due to faulting.

From the same location, hole S-3 was started at minus 77.5 degrees north 10 degrees west. At the end of the month this hole had penetrated to a depth of 180 feet through plutonic rocks which consisted largely of decomposed hydrothermally altered granodiorite and bleached aplite.

Not considering mobilization costs, geologists wages, or supervision, hole S-1 cost $5,725.25 or $11.57 per foot. Hole S-2 cost $1,149.40 or $7.87 per foot, figured on the same basis. Hole S-3 to July 31st had cost $1,351.70 or $7.57 per foot. The average cost per foot drilled to date under this contract, including mobilization but excluding the other costs mentioned above, has been $10.58 per foot. The extent of government participation in these costs assuming nothing vouchered for July is disallowed is only about 49%.

Since none of the underground work was covered by subject contract, and no drift advance was made, no maps are included with this report. The surface drill holes were shown on the maps submitted with last months' reports and were merely extended during July.

Yours very truly,

Donley P. Ulbright
General Manager

Wilbur F. Criswell
Resident Manager

WFC/am

COPY

1321 South Main St. SALT LAKE CITY 15, UTAH Phone HUnter 4-4401

AUG

Boyles Bros. DRILLING COMPANY

Diamond Drilling Contractors

FOR CUSTOMER'S USE ONLY	
REGISTER NO.	VOUCHER NO.
TERMS APPROVED	RATE APPROVED
CALCULATIONS CHECKED	
FOOTAGE CHECKED	
ADJUSTMENTS	
ACCOUNTING DISTRIBUTIONS	
AUDITED	FINAL APPROVAL

INVOICE DATE: June 1, 1957
INVOICE NUMBER: 1
CONTRACT: Umont Butte
TERMS: As per Contract
LOCATION: Norwich Mine, Butte, Montana

HOLE NO.	FROM	TO	FOOTAGE	RATE	TOTAL
S-1					
Pipe	0	5	5	$ 7 60	$ 38.00
NX	5	10	5	7 60	38.00
BX	10	26	16	6 90	110.40
AX	26	243	217	6 30	1,367.10
Reaming			69	3 90	269.10
Cementing			24 Hrs.	10 60	254.40
				Total	$2,077.00

1321 South Main St. SALT LAKE CITY 15, UTAH Phone HUnter 4-4401

Boyles Bros. DRILLING COMPANY

Diamond Drilling Contractors

FOR CUSTOMER'S USE ONLY	
REGISTER NO.	VOUCHER NO.
TERMS APPROVED	RATE APPROVED
CALCULATIONS CHECKED	
FOOTAGE CHECKED	
ADJUSTMENTS	
ACCOUNTING DISTRIBUTIONS	
AUDITED	FINAL APPROVAL

INVOICE DATE: July 1, 1957
INVOICE NUMBER: 2
CONTRACT: Umont Butte
TERMS: As per Contract
LOCATION: Norwich Mine, Butte, Montana

HOLE NO.	FROM	TO	FOOTAGE	RATE	TOTAL
S-1					
AX	243	250	7	$ 6 30	$ 44.10
AX	250	367	117	6 60	772.20
Reaming			138	3 90	538.20
Cementing			20 Hrs.	10 60	212.00
Mobilization					450.00
				Total	$2,016.50

1321 South Main St. SALT LAKE CITY 15, UTAH Phone HUnter 4-4401

AUDITED

Boyles Bros. DRILLING COMPANY

DIAMOND DRILLING CONTRACTORS ENGINEERS — GEOLOGY

FOR CUSTOMER'S USE ONLY	
REGISTER NO.	VOUCHER NO.
TERMS APPROVED	RATE APPROVED
CALCULATIONS CHECKED	
FOOTAGE CHECKED	
ADJUSTMENTS	
ACCOUNTING DISTRIBUTIONS	
AUDITED	FINAL APPROVAL

INVOICE DATE: Aug. 1, 1957
ORDER NUMBER:
INVOICE NUMBER: 3
CONTRACT: Umont Butte
TERMS: As per Contract
LOCATION: Butte, Montana

HOLE NO.		FROM	TO	FOOTAGE	RATE	TOTAL
S-1	BX	367	371	4	$ 7.40	$ 29.60
	AX	371	495	124	6.60	818.40
Reaming				49	3.90	191.10
Cement Time				46	10.60	487.60
Wol-Clay				84 Bags	4.50	378.00
Luminite (Cement)				1 "	7.50	7.50
Cal-Seal (Cement)				7 "	9.50	66.50
Bran				150 lbs.		4.65
Casing lost in hole			60' AX Casing @ $16.40 per 10' length			98.40
S-2						
NX Casing & Pipe		0	70	70	7.60	532.00
	NX	70	125	55	7.60	418.00
	BX	125	146	21	6.90	144.90
Wol-Clay				10 Bags	4.50	45.00
Cal-Seal (Cement)				1 "	9.50	9.50
S-2A						
NX Casing & Pipe		0	56	56	7.60	425.60
	NX	56	171	115	7.60	874.00
	BX	171	180	9	6.90	62.10
					Total	$4,592.85

UMONT MINING INC.

DRILL HOLE LOG

Norwich Mine DMEA Contract in Silver Bow County, Montana

Hole # S 1, continued

JULY DRILLING

Core recovery	AX average 61%
Hole started	May 9, 1957
Hole completed	July 17, 1957
Total length of hole	495 feet
Footage drilled in July	133 feet

Assays: Two assays were taken from the core of a vein cut at 442 feet. The quartz part of the vein from 442 to 444½ assayed 6.30% Mn, 1.6oz Ag, and 0.02 oz Au. (sample DDH, S 1, # 105) The grey to white clay of the vein from 444½ to 450 assayed 1.2% Mn, and 1.0 oz Ag. (sample DDH, S 1, # 106). No other assays from the core, or sludge, were taken.

Drill Log continued: (For the interval 0 to 243 see May report, and the interval 243 to 367 see June report)

From	to	Interval	Core Recovery	Description of core
362	366	4	none	Hole was washed out at 362, reamed to 366 and thereafter washed again. Reamed cuttings carefully panned, but showed only aplite. No clay identified in cuttings.
367	368	1	100%	Hard, fractured coarse-grained aplite with quartz eyes. Fe all oxidized; little to no hydrothermal alteration.
368	371	3	21%	Hard but fractured oxidized, coarse and even-grained aplite. No appreciable alteration, except oxidation of pyrite in "eyes" of quartz. (small piece of biotite dacite in core, apparently caved from above).
371	376	5	45%	Oxidized, coarse-grained aplite, some clay alteration (not sericite).
376	378	2	100%	same as 3 1 - 376.
378	380	2	85%	Oxidized to normal coarse-grained aplite, pyrite "eyes" appear smaller than 10 ft above. Cracks in rock cause shattering of core. Lost circulation at 380 ft; possibly structure, but no fault clay in cuttings.

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From	to	Interval	Core Recovery	Description of core
380	385	5	60%	Oxidized, even to coarse-grained aplite. No mineralization or appreciable sericite.
385	387	2	50%	Stringer of iron oxide stained aplite in broken oxidized aplite.
387	392	5	22%	Brecciated and broken oxidized aplite fragments. Possibly some sericite. No indications of fault clay or ore mineralization.
392	393	1	70%	Brecciated and broken oxidized normal aplite fragments. No indications of fault clay or ore mineralization.
393	396	3	65%	Brecciated and broken, oxidized coarse-grained aplite. Possibly some sericite. No mineralization.
396	398	2	90%	Broken, oxidized, and brecciated coarse-grained aplite. Coring essentially sand. No ore minerals.
398	400	2	50%	Even-grained, somewhat oxidized normal aplite. Appreciable tourmaline.
400	402	2	65%	Coarse-grained to pegmatitic aplite. Relatively considerable tourmaline, iron all oxidized, some sericite on fracture seams.
402	405	3	3	Coarse-grained aplite. Iron all oxidized, some sericite on fracture seams.
405	407	2	80%	Coarse-grained aplite. same as 402 -- 405 some tourmaline and occasional ferromagnesian mineral.
407	410	3	92%	Even-grained aplite. Some small pyrite Xls principally oxidized -- also some mica. Some chloritic alteration in seams.
410	413	3	83%	Slightly pyritized aplite to grano-aplite. Some plagioclase; sericite and chloritic alteration suggested.
413	415	2	55%	Pyritized and chloritized aplite. Some plagioclase and few tourmaline crystals present.
415	417	2	50%	Altered (chlorite and sericite) pyritized even-grained aplite. Few tourmaline crystals.
417	420	3	40%	Same as 415-417. In addition, appreciable plagioclase.
420	422	2	30%	Same as 417-420.
422	423	1	53%	Same as 417-420.
423	426	3	32%	Chloritized and pyritized, small and even-grained aplite. Sericite on seams.

From	to	Interval	Core Recovery	Description of core
428	430	4	30%	Crushed, pyritized, and brecciated even-grained aplite. Fault clay (± 60° to hole) at 429 feet. Some quartz, FeS_2 -- 1/8 inch pebbles in rubble -- FeS_2 only in pannings.
430	432	2	46%	Crushed, pyritized, completely altered, fine-grained aplite.
432	435	3	28%	Crushed, pyritized, completely altered, fine-grained aplite.
435	437	2	45%	Pyritized, altered, even-grained aplite with small stringers of smoky quartz and a few grains of $MnCO_3$. Sericite throughout the core.
437	442	5	67%	Pyritized, altered, even-grained aplite with small stringers of white quartz and a few grains and small seams (1/16 inch) of $MnCO_3$. Fault clay (30° to hole) at 439. Minor limonite at seams, sericite throughout the core, large grains of quartz near $MnCO_3$.
442	444½	2½	26%	White and black vein quartz with minor pyrite (± 5%) and sphalerite (± 1%). Sample DDH S 1, 105.
444½	447	2½	26%	Fault clay with fragments of vein quartz similar to 442-444½.
447	450	3	71%	Predominately light to dark grey clay. Sample DDH S 1, 106, from 444½ to 450.
450	452	2	71%	Crushed, completely altered, light grey aplite.
452	457	5	30%	Highly crushed, altered, slightly pyritized, even-grained aplite, with a few grains and stringers (1/8 inch) of $MnCO_3$. Several grains of sphalterite are associated with the pyrite. From 453-457, rock is completely crushed, sericite and numerous clays are common.
457	461	4	57%	Crushed, altered, pyritized, even-grained aplite with very few stringers of $MnCO_3$ to 462 ft, and grains of sphalerite. 4 inch + medium to hard clay at 460 ft. Sericite is common.
461	463	2	100%	Chloritized and pyritized even-grained altered aplite with sericite on seams. Narrow (1/16inch) fault clays at 461.5 (45° to core) and another at 461.7 (20° to core). Limonite stains near biotite grains.
463	466	3	85%	Pyritized (1-2%) even-grained aplite with limonite staining on fractures. Highly hydrothermally altered, but rock hard enough to core well.

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From	to	Interval	Core Recovery	Description of core
466	467	1	90%	Pyritized, even-grained, medium coarsely crystaline, moderately hydrothermally altered aplite with strong limonite staining along fractures and where pyrite was. Stringers of MnO_x along center of core. Color -- buff to brown and black.
467	468	1	73%	Same as 466 - 467.
468	470	2	90%	Coarse-grained to pegmatitic, slightly pyritized, altered aplite with stringers of MnO_x and weak limonite staining. Sericite along seams, orthoclase not altered noticeably.
470	472	2	90%	Slightly pyritized, coarse-grained aplite with minor stringers of MnO_x and weak limonite staining.
472	475	3	83%	Coarse-grained aplite with the 1% ± pyrite commonly oxidized to limonite.
475	480	5	90%	Weakly pyritized, coarse-grained aplite with weak limonite staining along seams, minor MnO_x.
480	495	15	93%	Pegmatitic aplite with minor seams and blebs of limonite and MnO_x staining; Rock locally contains vuggy blebs lined with quartz and orthoclase crystals. Normally light brown to grey, locally stained green by clay? development. (montmorillonite).

Notes: The logging of the July core was accomplished by Robert H. Nelson from 362 ft to 435 ft, and by Robert G. Garwood from 435 ft to 495 ft.

The rock described as pegmatitic aplite in this log is the same type rock that is called Alaskite by the U.S. Geological Survey.

Summary of July drilling: From 367 to 415-423, the rock is rather coarse-grained aplite showing oxidation and development of clay minerals. The ground from 380 on down to the bottom of the hole was fractured and the circulation was lost at many places causing the loss of sludge for study.

From 416-423 to the top of the vein at 442ft, the rock is not hydrothermally altered to any extent; the rock is a fine-grained medium grey to medium greenish-grey aplite.

At 442 and below to the bottom of the hole, the rock becomes hard in the vicinity of 466 on down. The rock is slightly more coarsely crystaline, buff in color, and has manganese and Fe oxide specks and seams. The hard pegmatitic aplite is similar to the foot wall rock found on the 400 level of the Norwich mine.

Respectfully submitted

Robert G. Garwood

Robert G. Garwood
Geologist

COPY

UMONT MINING, INC.

DRILL HOLE LOG

Norwich Mine DMEA Contract in Silver Bow County, Montana

Hole # S 2

Location: On Plutus patented claim in Sec. 15, T. 3 N., R. 8W., at mine coordinates 5515 N, and 5755 E. Hole drilled minus 62.5° north at a collar elevation of assumed 993 ft.

Size of core:
NX 0 to 125 ft.
EX 125 to 146 ft.

Core Recovery:
NX 28%; EX 86%.

Hole started: July 18, 1957

Completed: July 23, 1957

Footage: 146 ft.

Type of Drill: Boyles Brothers I H S

Assays: No assays were taken, either of the core or sludge. No vein structure was cut and the only mineralization found was due to staining in seams and fractures.

Drill Log

From	to	Interval	Core Recovery	Description of core
0	27.5	27.5	none	Sludge shows decomposed granodiorite to biotite granodiorite. Biotite grains have been badly weathered.
27.5	29	1.5	54%	Light grey, altered, fractured, medium grained aplite. Limonite stains and sericite in seams.
29	70	41	none	Sludge shows decomposed granodiorite to biotite granodiorite, which has been weathered; especially the biotite grains.
70	80	10	32%	Partially decomposed, highly altered, weathered, fractured, medium-grained biotite granodiorite. Limonite (2%±) and MnO_x (2% ±) in fractures and seams; sericite is common.
80	85½	5½	36%	Weathered, fractured, coarse-grained biotite granodiorite with light-grey very fine-grained aplite dikes (1 in. wide) at 80.5 ft, 82 ft, 84 ft, and 85.5 ft. Limonite and MnO_x (both 1%±) in fractures and seams. Montmorillonite clay development.
85½	95	9½	60%	Weathered, altered, fractured, medium-grained biotite granodiorite. Limonite and MnO_x (both 1%±) in fractures and seams.
95	110	15	36%	Partially decomposed, weathered, altered, fractured, medium-grained biotite granodiorite with limonite stains and minor MnO_x in seams. Five in. dike of very fine-grained light grey aplite at 109.5 ft.

COPY

UMONT MINING, INC.

DRILL HOLE LOG

Norwich Mine DMEA Contract in Silver Bow County, Montana

Hole # S 2A

Location: On Plutus Patented claim in Sec 15, T. 3 N., R. 8 W., at mine coordinates N 5415 and S 5754. Hole drilled N 10° W at an angle of minus 77.5°. Surface collar elevation of 993 ft assumed.

JULY DRILLING

Size of core: NX, 0 to 171 ft
BX, 171 - ft

Core Recovery: NX average 21%, BX 100%

Hole Started: July 24, 1957

Monthly footage: 180 ft.

Type of Drill: Boyles Brothers IHS

Assays: No assays of the core or sludge were taken.

Drill Log

From	To	Interval	Core Recovery	Description of core
0	58	58	1%	Sludge shows decomposed, weathered, granodiorite to biotite granodiorite. Biotite grains have been weathered. At 57.5 ft, a 4 in. band of medium-grained aplite with FeO_x stains and minor biotite grains is found.
58	64	6	40%	Partially decomposed, weathered, fractured, medium-grained biotite granodiorite with limonite and MnO_x (1± %) in seams and fractures. Sericite clay development.
64	75	11	46%	Weathered, fractured, medium- to coarse-grained biotite granodiorite with limonite staining on seams and fractures. Sludge is sandy biotite granodiorite with FeO_x stained quartz.
75	92	17	44%	Partially to completely decomposed, fractured, weathered medium-grained granodiorte. FeO_x and MnO_x stains on seams and fractures -- quartz is limonite stained, and some mica was noticed. Fault clay at 75.5 ft (70° to hole) of red and orange medium clay. Montmorillonite clay alteration.
92	93	1	72%	Yellowish to white and grey fault clay. Clay shows numerous minor slips and is of a medium to hard consistency.

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[illegible]	104	11	72%	Partially decomposed, fractured, slightly weathered medium-grained biotite granodiorite with 1%+ phenocrysts (½ in. in diameter) of plagioclase. Decrease in FeO_x staining from above core, no MnO_x staining. Montmorillonite clay alteration and an increase in mica.
104	107.5	3.5	69%	Fine-grained granodiorite to rhyolite with very fine-grained inclusions of granodiorite (2+%) about ½ in. in diameter. Rock is hard with very slight alteration; FeO_x is deposited in the fractures.
107.5	110	2.5 ~~5~~	62%	Partially decomposed, fractured, weathered, granodiorite with FeO_x stains in fractures and seams.
110	115	5	none	Lost water at 110 ft and a 5 ft run was made with no core returned. Hole was branded and sludge was returned on the next run.
115	119	4	17%	Light grey aplite with limonite staining in seams. Rather fresh biotite blebs in core. Sludge appears to be granodiorite which indicates stringers of aplite in decomposed granodiorite. Lost water at 119 ft.
119	133	14	14%	Light grey, fine-grained aplite with FeO_x staining and minor montmorillonite clay development. Very thin, soft, fault clay at about 120 ft. No sludge returns.
133	138	5	14%	Light grey, fine-grained aplite with a few quartz "eyes" which have been oxidized. Sludge is high in quartz with minor biotite. Hole was cemented back 40 ft, then re-drilled
138	161	23	11%	Light grey, fine-grained aplite. Core is a combination of aplite pebbles and hard layers. Aplite is slightly FeO_x stained and has quartz "eyes", biotite grains, tremolite grains and shows minor MnO_x staining. Sludge is high in quartz and contains minor, rather fresh, biotite flakes.
161	170	9	20%	Bluish grey, fine-grained aplite with sericite clay development in seams. Sludge is quartz sand with biotite flakes.
170	171	1	20%	Hydrothermally altered, tan, fine-grained aplite with sericite clay alteration and slight FeO_x staining.
BX core				
171	175	4	100%	Fine-grained, yellow to light grey aplite. Limonite and MNO_x in seams and fractures. Rock is harder and less altered than above -- Montmorillonite clay in seams. Very fine grains of pyrite in minor amounts in the rock.
175	180	5	100%	Coarse-grained, greyish, slightly altered aplite with very minor fine-grained pyrite streaks. FeO_x and MnO_x stains in seams and fractures. FeO_x (1±%) MnO_x (1±%).

Summary of drilling. From 0 ft to 110 ft, the rock is a weathered, partially decomposed, fractured biotite granodiorite and granodiorite. From 110 ft to 180 ft, the rock is a light grey, fine-grained aplite with fractures large enough in which the drilling water may be lost. The aplite has been weathered to a slight extent and at 170 ft, it probably has been hydrothermally altered.

At least two faults were cut by the drilling, one at 75.5 ft and the other at 92 ft. The fault at 92 ft appears to be a fault zone with numerous thin slips throughout the foot-thick clay.

Respectfully submitted

Robert G. Garwood

Robert G. Garwood
Geologist

COPY

DMEA Field Team, Region I

August 29, 1957

DMEA Certifying Officer, Region I

Contract Idm-2604, Umont Mining Company
Monthly operating report for July 1957

The subject operating report has been processed and forwarded to the Disbursing Officer for payment.

An amount of $25.00 has been added to the July MP-104 submitted by the Operator. This covers 10 feet of cementing and redrilling @ $2.50/ft. The contract authorizes 300 feet of reaming and casing, cementing and redrilling. The Operator vouchered for only 290 feet but actually completed the 300 feet. Apparently this was an error in addition.

Dorothy F. Long

OFFICIAL FILE COPY
DMEA
RECEIVED SEP 6 1957

DATE	INITIALS	CODE
9-6	C	220
		~~400~~
		800

cc: DMEA (2)
USGS (2)
Contract Admin. & Audit Div. (2)

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

Budget Bureau No. 42-R1036.5

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

JUL 11 REC'D

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of June 1957 Docket No. DMEA 2874 Contract No. Idm - E 6

Operator's Name Umont Mining Inc. Minerals Manganese

Address 506 Silver Bow Block, Butte, Montana

Contract Amount, $ 108,510.70 Government Participation: ~~70~~ 75% Amount, $ 81,383.00

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Contractor & Equipment:						
Facilities ~~Install Pump~~						
Shaft Rehabilitation Plutus Shaft		2082.00	2082.00		2082.00	2082.00
Enlarging & Rehabilitate		3148.00	3148.00		3148.00	3148.00
Crosscutting 400 Station		1600.00	1600.00		1600.00	1600.00
400 x-cut Rehabil tation		4100.00	4100.00		4100.00	4100.00
Drifting 400 Level						
(2) Labor and Supervision:		12,512.00	12,512.00		12512.00	12512.00
Timbering		3,710.00	3,710.00		3710.00	3710.00
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Spiling		600.00	600.00		600.00	600.00
* Underground Drilling		414.63	414.63		414.63	414.63
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis		192.50	192.50		192.50	192.50
Payroll Taxes						
Surface Drilling Insurance	744.00	1458.00	2202.00	744.00	1458.00	2202.00
Dozer Trenching		49.00	49.00		49.00	49.00
(8) Subagencies (specify):		23,190.70	23,190.70		23190.70	23190.70
TOTALS	744.00	53,056.83	53,800.83	744.00	53,056.83	53,800.83

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

Date July 9, 1957 *Payee Umont Mining, Inc.

Per Wilbur F. Burwell Title Resident Manager

*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:

$558.00

$ 558.00

Signature Dorothy F. Fox (Authorized Certifying Officer)

Date 7/19/57 Vou. No. 2082

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

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

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 872893

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

JUL 11 REC'D

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of June 1957 Docket No. DMEA 2874 Contract No. Idm - E 604
Operator's Name Umont Mining, Inc. Minerals Manganese
Address 506 Silver Bow Block, Butte, Montana

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting	ft			12,512.00	391.0	32.00	550	32.00
400 Crosscutting Rehabilitation	ft			4,100.00	200.0	20.50	240	20.50
Raising Drift Timbering	ft			3,710.00	371.0	10.00	550	10.00
Install Pump & Facilities	job			2,082.00	comp	2082.00	job	2082.00
Winze Shaft rehabilitation	job			3,148.00	comp	3148.00	job	3148.00
400 Station Enlarging	cu ft			1,600.00	3200	0.50	3200	0.50
Underground drilling	ft			414.63	86.5	4.79	920	5.00
Surface Auger drilling	ft	744.00	124.0	2202.00	367	6.00	1700	6.00
Stripping								
Trenching Bulldozer	hr			49.00	3 1/2	14.00	15	14.00
Test Pits Spiling				600.00	20	30.00	50	30.00
Roads and Trails								
Assaying sample				192.50	55	3.50	140	3.50
TOTAL DISTRIBUTED COSTS		744.00						TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
Stage 1				23,190.70				
TOTAL COSTS		744.00		53,800.83				

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 9, 1957 Operator Umont Mining Inc.
Per Wilbur F. Brunwell Title Resident Manager

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)

RECEIVED JUL 29 1957 D.M.E.A.

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 872894

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DMEA
RECEIVED JUL 29 1957
DATE | INITIALS | CODE

NORWICH MINE

Silver Bow County

Montana

D M E A - 2784 Contract Idm E-604 Manganese

NARRATIVE REPORT

Period June 1, 1957 through June 30, 1957

During the month of June, none of the underground work in progress was covered by subject contract. Stoping operations were prosecuted in 4-497 stope and 4-506 stope during the entire month.

A lateral and crosscut were driven 168 feet off the 400 drift west around and beyond the two headings, formerly lost by caves. The ground ahead and to the west was probed an additional 35 feet by long hole drilling without finding anything of significance except large quantities of water. For this reason further work was suspended indefinitely in this heading.

Surface diamond drill hole S-1 was extended from 243 feet to 367 feet for an advance of 124 feet, all AX size hole. This was accomplished with much difficulty as it was necessary to ream and case the hole to prevent caving. Much lost time was experienced due to pulling casing, reaming, re-casing, caving ground, attempts to cement the hole, using bentonite drilling mud, etc. The cost of this 124 feet amounted to $2016.50 or an average of $16.26 per foot. The cost of this hole to date, amounts to $4093.50 for an average cost per foot of $11.53.

The log of this hole, S-1, is attached, as well as a long section and plan showing its relation to the present 400 east drift face.

In the course of stoping operations, approximately 1650 long dry tons of ore were produced, having an average grade of 22.2% manganese and containing minor silver values.

It was necessary to do considerable repair work on the 300 level sill above the mining area to prevent its loss and use to the mining operations presently in progress below. The improvements to the mine ventilation system since mid-May were nearly completed this month.

Yours very truly,

Wilbur F. Griswell

Wilbur F. Griswell
Resident Manager

WFC/am

UMONT MINING INC.

DRILL HOLE LOG

Norwich Mine [illegible] Contract in Silver Bow County., Montana

Hole # [illegible] 1, continued

JUNE DRILLING

Core Recovery AX average 69%

Hole Started May 9, 1957

Footage drilled in June 124 feet

Assays: During the month no assays were taken either of the core or sludge. Panning failed to indicate any minerals other than pyrite indigenous to the aplite drilled.

Drill Log continued: (For the interval 0-243 see May report)

From	to	Interval	Core Recovery	Description of core
243	252	9	80% ±	Relatively hard biotite dacite tuff with occasional intercalated mud seams between tuff units - Flow bands 25° to 35° to hole. Few inclusions. 243 - 244 much plagioclase.
252	260	8	100%	Even grained grey biotite dacite tuff. Flow bands 25° - 35° to hole. Many small flattened to semiangular inclusions of biotite dacite tuff. Entire section loosely consolidated.
260	268	8	85% ±	Grey to brownish loosely consolidated biotite dacite tuff. Many small (-½") inclusions. Flow bands 25° to vertical.
268	278	10	85% ±	From 268 - 276 fairly consolidated biotite dacite tuff; colored grey, many small inclusions. Some recemented fractures. Flow bands average about 35° to hole. From 276 to 278 barely consolidated.
278	288	10	75°+	Very soft, barely consolidated, brownish biotite dacite tuff, almost mud. Many small flattened inclusions (-½").
288	289	1	100%	Pegmatite aplite. Considerable oxidized pyrite in quartz "eyes". Some manganese oxide dendrites; occasional blades of black tourmaline.
289	295	6	80% ±	Pegmatite aplite, some oxidized pyrite - sulfide groups surrounded by limonitic stained halo; sparing thin tourmaline Cls. At 295' a 6" stringer of biotite dacite mud was cored, followed immediately by hard aplite.

From	to	Interval	Recovery	Description of core
295	~~336~~ 320	25	50% ±	Oxidized pegmatitic aplite. Select pyrite Xls in quartz eyes. Limonite and jarosite oxidation products. Possible small clay at 317'. Aplite tends to break in small pieces. Very little sericite.
320	336	16	50% ±	Principally easily fractured oxidized pegmatitic aplite. Minor biotite about 325'. From 327 - 336 an apparent increase in amount of small pyrite Xls, not noticeably related to pegmatite eyes. Possible specks of chalcopyrite at 331. Panning blank.
336	342	6	50% ±	Badly broken pegmatitic aplite, to aplite to granoaplite. Texture appears to vary from even coarse grained, to even grained and altered ferromagnesian minerals in minor amounts at 341' discolor core.
342	349	7	95% ±	Easily shattered ~~pegmatic~~ Pegmatitic aplite. Most of core pale greenish due to chloritic alteration but also light sericitic alteration along some fracture lines. Occasional crack coatings of fibrous, clove brown to greenish clay type of material. Pyrite, sparingly scattered thru rock not as oxidized as in upper portion of aplite mass.
349	359	10	85% ±	Coarse to even grained ~~aplite~~ pegmatitic. Core sections appear brittle. When wet, rock is pale olive greenish in color, due probably to chloritic alteration. Pyrite scattered thru rock rather uniformly. Unoxidized and little to no sericite observed. Speck of MoS_2 at 349.9.
359	362	3	50%	Comparatively fresh, even to coarse grained aplite. Occasional fleck biotite and unoxidized pyrite.
362	366	4	12%	Very soft drilling - for 3' no core recovery nor water return. Probable fault.
366	367	1	95%	Coarse pegmatite - aplite. Pyrite oxidized. Sharply different rock than that exposed by core ~~from that revealed by core~~ from 359 - 362.

Summary of June drilling: From 283' to 289' the core revealed intercalated, apparently flat dipping biotite dacite tuff members, similar to the beds described in the May report. From 289 - 295 the material shown by the core was very soft, barely consolidated, brownish biotite dacite tuff containing many small, flattened inclusions. At 288 (assumed elevation 703) the drill penetrated pegmatite aplite, showing considerable oxidized pyrite in the quartz "eyes". Fractures showed manganese dendrites. At 295 the drill penetrated and scored a 6" stringer of biotite dacite mud, followed immediately by hard pegmatite aplite. Aplite continued in the hole to point 362'. As depth was gained the pyrite in the aplite became fresher. Nowhere in the hole was any mineralization shown. From 363 to 366 some type of fault structure was encountered. The drilling at this point was unsatisfactory and an attempt will be made to get some information on this area when reaming prior thru the zone. The hole bottomed at 366 in hard, oxidized pegmatite aplite.

Several interpretations of the core to date may be advanced. I am inclined to believe that the hole passed into aplite from the volcanics at 288' displaying a normal volcanic basement complex. I am also inclined to believe that a branch of the "postulated fault" (suggested in the May report) was cut at 363 feet.

Average AX core recovery for June was 67%.

Robert H. Nelson

Robert H. Nelson

Form [illegible]-104 (Rev.)
([illegible] 1.1952)

Budget Bureau No. 42-R1036.5

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

Month of May, 195[illegible] Docket No. DMEA [illegible] Contract No. [illegible]
Operator's Name [illegible] Minerals [illegible]
Address [illegible]
Contract Amount, $[illegible] Government Participation: [illegible] % Amount, $[illegible]

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Contracts: Short Form						
Drilling		2082.00	[illegible]		2082.00	2082.00
Bulldozing		3148.00	[illegible]		3148.00	3148.00
Crosscutting		1600.00	[illegible]		1600.00	1600.00
Drifting		[illegible]	[illegible]		4100.00	4100.00
(2) Labor and Supervision:						
Labor		12,512.00	12,512.00		12512.00	12512.00
Supervision		3710.00	3710.00		3710.00	3710.00
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
[illegible]		[illegible]	[illegible]		600.00	600.00
Diamond Drilling				414.63	—	414.63
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment		[illegible]	[illegible]			
Sampling and Analysis					192.50	192.50
Payroll Taxes						
Liability Insurance						
[illegible]	[illegible]		[illegible]	1458.00		1458.00
[illegible]	[illegible]		[illegible]	49.00		49.00
(8) Contingencies (specify):						
[illegible]		[illegible]	[illegible]		22,190.70	22,190.70
TOTALS	[illegible]	[illegible]	[illegible]	1921.63	51,135.20	53056.83

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

Date [illegible] *Payee [illegible]

For [illegible] Title [illegible]

*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:

$1441.22

Signature Dorothy F. Long
(Authorized Certifying Officer)

Date 7-5-57 Vou. No. 1999

(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. E604 in accordance with the terms of the contract.

Signature /s/ George T. Mengesky Title Mining Engr. Date 6/24/57

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature /s/ Donald R. MacLaren Title Alternate Acting Executive Officer Date 6/27/57

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 872893

Form MF-104A
(April 1952)

3 RECD

Budget Bureau No. 42-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of May 195[illegible] Docket No. DMEA [illegible] Contract No. [illegible]
Operator's Name [illegible] Minerals [illegible]
Address [illegible]

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
[illegible]	ft			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] Drifting	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Crosscutting	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] Raising	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Stoping	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] Winzes	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Drilling: Core								
[illegible] Churn	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Diamond Drilling Auger	ft.	474.63	86.5	474.63	86.5	5.48	510	3.70 + 4.75
Stripping	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	15hr	14.00
Trenching	[illegible]			[illegible]	20	[illegible]	50	[illegible]
Test Pits								
Roads and Trails				[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
		[illegible]						
TOTAL DISTRIBUTED COSTS		1921.63						TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.		~~[illegible]~~		~~[illegible]~~				
TOTAL COSTS		1921.63		53,717.72				

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.

6/13/57 [illegible] Inc.

Date ..... Operator .....

Per Chilhud T. Cusick Pres.

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)

/s/ George T. Krempasky, Mining Engr. 6/24/57

INSTRUCTIONS

Preparation of Form MF–104A—Operator's Unit Cost and Progress Report.—Applicable phases 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 872894

JUN 13 RECD

NORWICH MINE

Silver Bow County

Montana

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DATE	INITIALS	CODE

DMEA - 2874 Contract Idn B-604 - Manganese

NARRATIVE REPORT

Period May 1, 1957 through May 31, 1957

During the month of May, none of the underground work in progress was covered by subject contract. Stoping operations were prosecuted in 4-497 and 4-506 Stopes, during the entire month, each producing respectively 602 LDT and 1423 LDT which added to a small amount from miscellaneous sources adds up to a total monthly production of 2029 LDT. The ore produced this month contained an average of 22.43% manganese and had an average gross value of $25.00 per ton.

The latter part of the month an unsuccessful attempt was made to continue the 400 drift west. Due to running ground accompanied by a 50 g.p.m. flow of water, all attempts at spiling were futile and no advance was made. Considerable mill repair work was accomplished the last ten days of the month.

Pursuant to terms of the contract and Amendment No 1 thereto, a surface diamond drill hole was started at coordinates 5520N and 5840 E. on a site previously prepared. At months end this hole had progressed to a depth of 243 feet and cost $2077.00 or an actual cost fo $8.55 per foot.

The preparation of the site by bulldozing, has been vouchered at the rate of $14.00 per hour for 3 1/2 hours; the drilling at the rate of $6.00 per foot for 243 feet, both in accordance with the contrast.

The log of this hole S1 is attached, as well as a long section showing its relation to the present 400 east drift face and the stoping operations conducted during the month.

In the course of our mining operations the following lots of ore were produced and sold:

Lot No.	L.D.T.	Assay Mn	Origin
Rs 48	80.0955	24.4	4-506 Stope
Rs 49	84.1482	25.8	4-506 Stope
Rs 50	80.2089	18.6	4-506 Stope
Rs 51	110.2942	19.6	4-506 Stope
Rs 52	212.4759	24.9	4-506 Stope
Rs 53	76.0522	16.4	4-497 Stope
Rs 54	114.5223	28.0	4-506 Stope
Rs 55	54.9429	27.2	4-506 Stope
Rs 56	84.9308	27.2	4-506 Stope
Rs 57	74.2459	20.3	4-497 Stope 25 cars 4-506 Stope 15 cars
Rs 58	186.1679	19.7	+ 5 cars from 400 Dr.W 4-497 Stope & 5 cars from 4-506 Sto
Rs 59	125.4929	26.8	4-506 Stope
Rs 60	71.8906	18.1	4-497 Stope
Rs 61	120.9324		

JUN 18 REC'D

MONT MINING INC.

DRILL HOLE LOG

Norwich Mine DMEA Contract in Silver Bow Co., Montana

Hole # S 1

Location: On Plutus Patented claim in Sec. 15., T.3N., R.8W.
At mine coordinates 5520 N, and 5840 E.
Hole drilled vertically from surface
Collar El. assumed 991 feet
Bottom El. as of 5/31/57 assumed 648 feet
Dept drilled during May, 1957 243 feet

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Size of cores
NX 5' to 10'
BX 10' to 26'
AX 26' to 243

Core Recovery NX 60% BX 75% AX average 60%

Hole started: May 9, 1957

Monthly footage 243 feet

Type of Drill Boyles Bros. I H S

Assays:
During the month no assays were taken either of the core or sludge. Panning failed to indicate any sulfide or heavy minerals.

From	to	Interval	Core Recovery	Description of core
0'	9	9	60%	Volcanic ash, loosely consolidated with few inclusions of Biotite dacite tuff
9	29	29	75%	Biotite dacite tuff, blue grey in color. Large included fragments (+ 1 inch) near top of flow, diminishing in size near bottom of hole. Included fragments semi-angular and flattened lying parallel with flow banding all of which appears to dip about 20°.
29	37	8	75%±	Soft, semiconsolidated biotite dacite tuff; light grey in color, less than ½ inch inclusions, flattened, lost water at 37 feet, but no fault structure apparent.
37	60	23	70%±	Soft, semi consolidated biotite dacite tuff; light grey in color; variable soft included fragments of light biotite dacite tuff.

JUN 18 REC'D

60	100	40	70% ±	Fault clay at 60 feet, dipping 60° to hole. Possibly rhyolite tuff containing ½" or less biotite dacite tuff fragments. Some orthoclase crystals 3 mm or less. Flow banding steep, ± 60° to 75°. Rock yellowish in color with intermixed grey clay. Mud seam at 92' and at 97' Faulty clay at 100 feet dipping 60° to hole. From 60' to 100' the rock mass is highly altered and contains much unidentified, greasy, talcy mineral, pinkish when wet, and also dickite. Unit from 60' to 100' may represent rhyolite dike possibly 20 feet thick intruded along fault zone dipping 60°, the strike of which is unknown.
100	116	16	50%±	Flat lying, soft, poorly consolidated biotite dacite tuff. Small, flattened fragments included in ashlike matrix. Mud seam at 116 feet.
116	153	37	50% ±	Entire section, flat lying, poorly consolidated biotite dacite tuff. Interval 120 to 121 and interval 139 to 141, a hard reddish rock, possibly rhyodacite. (similar in appearance to like boulders found on the surface and in bulldozer cuts) inclusions embedded in soft biotite dacite tuff were observed. Most of core obtained came from harder members of the flat-lying tuffs.
153	175	22	50%±	Entire section, light colored, flat lying intercalated soft and softer biotite dacite tuffs. Inclusions all small and semi-angular, usually harder than enclosing rock which at times was a sand, the grains of which are all - 20 mesh.
175	176	1	100%	6 inches very fine (-300 mesh) grey clay. Fine grained biotite dacite tuff both above and below member.
176	243	67	50% ±	Entire section intercalated unconsolidated to loosely consolidated biotite dacite tuff. Colors grey, greenish-grey, yellowish and bluish grey. Variable quantities of inclusions but seldom more than 25% of mass is inclusions. At interval 202 foot a pea size, rounded fragment of quartz was observed, and also a small pebble of rhyolite both obviously enclosed in essentially ash.

DMEA Field Team, Region I, NW District July 8, 1957

DMEA Certifying Officer, Region I

Contract Ida-2604, Usant Mining Company
Monthly operating report for May 1957

The subject operating report has been processed and forwarded to the Disbursing Officer for payment.

An amount of $414.63 has been added to the May MF-104 submitted by the Operator. This covers 86.5 feet of diamond drilling which was disallowed on the previous voucher. Approval has been received to drill Hole No. 5 and also approval for EX drilling in addition to AX or larger size. Payment was made as follows:

11	ft.	EX size	@ $5.00	$55.00
4	ft.	AX "	@ 5.00	20.00
71.5	ft.	EX "	@ 4.75	339.63
86.5				$414.63

Dorothy F. Long

cc: DMEA (2)
USGS (2)
Contract Admin. (2)

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DMEA Field Team, Region I, NW District July 8, 1957

DMEA Certifying Officer, Region I

Contract Idm-2604, Unont Mining Company
Monthly operating report for May 1957

The subject operating report has been processed and forwarded to the Disbursing Officer for payment.

An amount of $414.63 has been added to the May MF-104 submitted by the Operator. This covers 86.5 feet of diamond drilling which was disallowed on the previous voucher. Approval has been received to drill Hole No. 5 and also approval for BX drilling in addition to AX or larger size. Payment was made as follows:

11	ft.	BX size	@ $5.00	$55.00
4	ft.	AX "	@ 5.00	20.00
71.5	ft.	BX "	@ 4.75	339.63
86.5				$414.63

Dorothy F. Long

cc: DMEA (2)
USGS (2)

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DMEA Field Team, Region I, NW District July 8, 1957

DMEA Certifying Officer, Region I

Contract Idm-E604, Umont Mining Company
Monthly operating report for May 1957

The subject operating report has been processed and forwarded to the Disbursing Officer for payment.

An amount of $414.63 has been added to the May MF-104 submitted by the Operator. This covers 86.5 feet of diamond drilling which was disallowed on the previous voucher. Approval has been received to drill Hole No. 5 and also approval for EX drilling in addition to AX or larger size. Payment was made as follows:

11	ft.	BX size	@ $5.00	$55.00
4	ft.	AX "	@ 5.00	20.00
71.5	ft.	EX "	@ 4.75	339.63
86.5				$414.63

Dorothy F. Long

cc: DMEA (2)
USGS (2)

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

Budget Bureau No. 42-R1036.5

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

Month of April 1957 Docket No. DMEA 28[illegible] Contract No. [illegible]
Operator's Name [illegible] Inc. Minerals [illegible]
Address [illegible] Butte, Montana
Contract Amount, $ ~~[illegible]~~ 106,010.70 Government Participation: 75% Amount, $ 1,2[illegible] 79,508.00

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Contracts:						
Short Form						
Drilling		2082.00	2,082.00		2082.00	2082.00
Bulldozing		3143.00	3,1[illegible].00		3148.00	3148.00
Crosscutting		1600.00	1,6[illegible].00		1600.00	1600.00
Drifting		[illegible]	[illegible]		4100.00	4100.00
(2) Labor and Supervision:						
Labor	185.60	12326.40	12,512.00	185.60	12,326.40	12,512.00
Supervision	58.00	3652.00	3,710.00	58.00	3652.00	3,710.00
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
[illegible]		600.00	6[illegible].00		600.00	600.00
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis		192.50	192.50		192.50	192.50
Payroll Taxes						
Liability Insurance	432.50	—	432.50			
(8) Contingencies (specify):						
[illegible]		23,190.70	23,190.70		23,190.70	23,190.70
TOTALS	676.10	50,891.60	51,5[illegible].70	243.60	50,891.60	51,135.20

RECEIVED MAY 27 1957 D.M.E.A.

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

Date 5/3/57 *Payee [illegible] Inc.

Per Wilbur T. Brewell Title [illegible]

*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:

$ 182.70

Signature Dorothy F. Lang
(Authorized Certifying Officer)

Date 5/20/57 Vou. No. 1981

(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. E 604 in accordance with the terms of the contract.

Signature /S/ George T. Krempasky Title Mining Engineer Date 5/14/57

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature /S/ A. E. Weissenborn Title Exec. Officer Date 5/17/57

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 872893

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of April 1957 Docket No. DMEA 2374 Contract No. [illegible]
Operator's Name [illegible] Minerals [illegible]
Address [illegible], Butte, Montana

OPERATION	Unit	Costs This Month	Units This Month	Costs to Date	Units to Date	Unit Costs to Date	Authorized by Contract: Units	Authorized by Contract: Unit Costs
Drifting	ft	185.60	5.8	18,512.[illegible]	331.00	32.0[illegible]	500	32.00
Crosscutting	ft			4,100.00	200.00	20.5[illegible]	200	20.50
Raises	ft	5[illegible].00	5.0	3,[illegible]0.00	31[illegible]	10.0[illegible]	500	10.00
Development Camp & Facilities	job			2,002.00	co p	2002.00	job	2002.00
Shaft rehabilitation	job			3,1[illegible].00	co p	31[illegible].00	job	3113.00
Winzes	cu.ft			1,600.00	3200	0.50	3200	0.50
Drilling: Core	ft	432.50	86.5	432.50	86.5	5.00	920	5.00
Surface Churn	ft						1700	6.00
Auger	ft						100	5.00
Stripping	ft			600.00	20.0	30.00	50	30.00
Trenching								
Test Pits								
Roads and Trails								
Sampling	sample			100.50	50.0	3.50	140	3.50
Total Distributed Costs		676.10						Total Costs Authorized by Contract
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.				23,1[illegible].70				
Total Costs		676.10		53,56[illegible].70				103,[illegible].70

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 5/6/57 Operator [illegible], Inc.

By Gilbert T. Brewer Title Resident Manager

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)

/s/ George T. Krengosky, Mining Engineer, 5/14/57

RECEIVED MAY 27 1957 DMEA

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 872894

NORWICH MINE

Silver Bow County
Montana

DMEA - 2874 Contract Idm E-604 - Manganese

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RECEIVED MAY 27

DATE	INITIALS	CODE

NARRATIVE REPORT

Period April 1, 1957 through April 30, 1957

During the month of April, none of the work in progress was covered by subject contract. However, $676.10 is vouchered which covers work previously done that for one reason or another, had not yet been reported.

The heading of the 400 Drift east, was advanced, with timber, 5.8 feet during the first two days of December 1956. This is the advance now being bouchered.

During January a diamond drill hole was run N45° E at plus 5° from the face of the 400 Drift east, a distance of 86.5 feet. The coordinates of the collar of this hole are 5515N and 5643E. Its purpose was to test the ground ahead and to the left of the area through which the drift would advance, (when drifting is ultimately resumed) for dangerous amounts of water, and at the same time test for ore a structure which broke away, at an acute angle into the footwall, from the mineralized zone being drifted on.

Authority to voucher for this drill hole is provided by Amendment No. 1 to subject contract, dated March 1, 1957. The work was done prior to the signing of the amendment which was pre-dated to the effective date of the amended contract to cover this work. It should also be noted this amendment raises the total allowable costs under subject contract from $106,010.70. to $108,510.70, and the governments participation from $79,508,00 to $81,283.00.

This hole was started BX with the intention it would at no time be reduced to less than AX in size and the driller was so instructed. However at 15 feet of advance he, without authorization, reduced to EX size because of unfavorable ground conditions and had proceeded 20 feet with this size before it was discovered. The hole was taking so much time, and costing so much money, it was not deemed advisable to require him to back up for reaming and casing to AX size through the difficult ground and it was allowed to proceed EX size. This hole cost a total of $534.82 or $6.18 per foot and required 12 days to complete. As completed, it was drilled BX 0 to 11 feet; AX 11 to 15 feet; and EX 15 to 86.5 feet.

During April the 4-497 Raise in the west end of the mine, holed the 300 foot level after being advanced from a point 102 feet above the 400 sill. Total length of this raise is 134 feet which represents an advance of 32 feet during the month.

Stoping operations were prosecuted vigorously with the majority of the production coming from the above 400 Drift west, a much smaller amount from above the 400 Drift east, and the remainder from development and stope preparation operations. In the course of this work, 25 lots of ore were produced and sold as detailed below:

Lot no.	Cars	L.D.T.	Assay % Manganese	Origin
Rs 30	78	35.0642	24.9	4-506 Stope
Rs 31	104	88.8718	21.6	4-506 Stope (1 car 400 Dr. W)
Rs 32	115	82.8522	22.2	4-506 Stope
Rs 33	141	92.9237	21.6	4-506 Stope
Rs 34	127	128.3487	22.2	4-506 Stope (9cars 400 Dr. W)
Rs 35	145	127.3482	21.5	4-506 Stope (4cars 400 Dr. W)
Rs 36	105	68.3460	21.7	4-506 Stope (29 cars 400 Dr. W)
Rs 37	54	82.0478	24.1	4-506 Stope
Rs 38	71	115.2439	16.3	4-506 Stope
Rs 39	97	82.6710	30.9	4-506 Stope (22 cars 400 Dr. W)
Rs 40	91	122.5844	19.5	4-506 Stope
Rs 41	103	83.1701	26.3	4-506 Stope
Rs 42	56	41.3480	18.8	4-553 Stope (20 cars 4-506 Stope)
Rs 43	99	82.2531	24.8	4-506 Stope
Rs 44	96	64.9951	22.0	4-497 Stope
Rs 45	77	77.2531	22.2	4-497 Stope
Rs 46	90	116.3763	20.3	4-497 Stope
Rs 47	29	40.5866	22.0	4-497 Stope (11 cars 4-506 Stope)
Dr 33	112	99.9339	20.1	4-557 Stope (36 cars 4-497 Raise)
Dr 34	99	79.9451	18.2	4-557 Stope (27 cars 4-497 Raise)
Dr 35	95	83.8348	15.0	4-557 Stope (13 ca s 4-497 Raise)
Dr 36	86	158.7509	15.6	4-557 Stope (36 cars 4-497 Raise)
Dr 37	88	85.0857	23.9	4-506 Stope
Dr 38	28	41.3442	21.2	4-506 Stope
Dr 39	97	86.6603	25.4	4-506 Stope
Totals & averages	2283	2167.8481	21.32	

The geologic plan map accompanying this report shows the position of the drilling vouchered this period, and the longitudinal section in the plane of the vein shows the stoping activities.

COPY

Yours very truly,
Umont Mining, Inc.

Wilbur F. Criswell

Wilbur F. Criswell
Resident Manager

UMONT M NING INC.

DRILL HOLE LOG

Project: Norwich Mine Silver Bow Co., Montana

Diamond Drill Hole # 1

Location: East drift from 400 level of Plutus shaft.

Direction of hole: N 45° E., Inclination of hole + 5°
Coordinates of collar of hole: 5515 N., 5643E
Coordinates of toe of hole: ap x 5575 N., 5703 E
Elevation of toe of hole: assumed 618 ±
Elevation of collar of hole: assumed 612 ±

Length of Hole: 36.5'
Size of core: 11' Bx, 4' Ax, 71' Ex
Core recovery: In altered country rock 25% ±
In vein structure 0.1' in 5 foot run of
Date hole started 1/8/57 ; completed 1/22/57
Type of drill and size: Canadian Boyles Bros.

Core sample assays: None
Cuttings or sludge sample assays:

11-14' pannings blank
14-20 pannings blank
20-26 pannings blank
35-40 pannings blank assays trace Ag
40-45 pannings blank assayed 0.2 Ag
45-50 pannings blank assayed 0.4 Ag
50-55 pannings blank assayed 0.3 Ag
55-60 pannings blank assayed 0.1 Ag
60-65 pannings blank assayed 0.4 Ag
65-70 pannin s blank assayed 0.2 Ag 0.3 Mn
70-75 pannings showed few flecks
Azurite, PbS, ZnS assayed 2.8 Ag 0.4% mn 0.01 Au
and considerable pyrite tr. Pb 0.05 Zn
75-80 panned blank assayed 4.0 oz Ag 0.6% Mn
80-85 panned blank assayed 0.5 Ag 0.3 Mn

X X X X X X

From	To	Interval -	%Recovery	Description
0	11	11	18%	Fragments even grained to pegmatitic aplite, pyrite eyes
11	15	4	30%	Coarse grained to peg. aplite some clay at 12'.
16	21	5	20%	Coarse grained to peg. aplite con d well in spite of indicated recovery
21	26	5	16%	Even grained olive green aplite
26	31	5	20%	Even grained olive green aplitic. Little FeS_2
31	35	4	10%	Even to coarse grained aplite. Little FeS_2

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35	40	5	18%	Even to coarse grained aplite. Little FeS_2
40	45	5	16%	Even to coarse grained aplite. Some pegmatitic Qtz and FeS_2
45	50	5	16%	Coarse grained to peg aplite. Some MoS_2
50	55	5	20%	Even to coarse grained to pegmatitic aplite. Clay @ 52'
55	60	5	20%	Pegmatitic aplite. Fair amount FeS_2
60	65	5	50%	Hard, siliceous pegmatitic aplite. Small to fair FeS_2
65	69	4	87.5%	Coarse to peg. aplite. Small to fair FeS_2
69	70	1	0%	Clay-panned blank
70-	75	5	0.2%	Few flecks ~~azurite~~, some FeS_2 in coarse grained aplite. Sludge panned little sulfids and ~~MoMn~~ CO_3
75	80	5	20%	Coarse to even grained granoaplite to aplite with few peg. inclusions, all somewhat secritized.
80-	85	5	40%	Coarse grain d to pegmatitic aplite or grano-aplite, all somewhat altered.

COPY

DMEA Field Team, Region I, NW District May 20, 1957

DMEA Certifying Officer, Region I

Contract Idm-[illegible], Uncut Mining Company
Monthly operating report for April 1957

The subject operating report has been processed and forwarded to the Disbursing Officer for payment.

A disallowance of $432.50 has been made covering costs claimed for 86.5 feet of diamond drilling. Authority for drilling this hole is provided in Amendment No. 1 and the signed Amendment has been reported lost in transit. Upon receipt of Amendment No. 1 the Operator may reclaim 15 feet of the 86.5 feet previously vouchered. The 71.5 feet is disallowed because it does not conform to AX size specified in the contract.

Dorothy F. Long

DMEA

cc: DMEA (2)
USGS (2)
Contract Admin. (2)
GTK
AD

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

Budget Bureau No. 42-R1036.5

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

Month of March, 1957 Docket No. DMEA 2874 Contract No. Idm E-604
Operator's Name Umont Mining, Inc. Minerals Manganese
Address 506 Silver Bow Block, Butte, Montana
Contract Amount, $ 106,010.70 Government Participation: 75% Amount, $ 79,508.00

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Contracts: Install pump						
Short Form						
Facilities & Equipment						
Drilling Pratus Shaft		2082.00	2082.00			
Shaft Rehabilitation		3148.00	3148.00			
Enlarging and Rehabilitation		1600.00	1600.00			
Crosscutting 400 station						
Drifting						
400 x-cut Rehabilitation		4100.00	4100.00			
(2) Labor and Supervision:						
Drifting 400 Level East		12326.40	12326.40			
Labor						
Timbering		3652.00	3652.00			
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
Spiling		600.00	600.00			
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis		192.50	192.50			
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
Stage 1		23,190.70	23,190.70			
TOTALS		50,891.60	50,891.60			

Memo only
No Payment

RECEIVED APR 15 1957 D.M.E.A.

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

Date 4/3/57 *Payee Umont Mining, Inc.

Per Milton F. Brussich Title Resident Manager

*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:

$ —0—

Signature Dorothy F. Long
(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. ..... in accordance with the terms of the contract.

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

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 872893

Form ME-104A
(April 1952)

Budget Bureau No. 42-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of March 7 Docket No. DMEA 2874 Contract No. Idm E-604

Operator's Name Umont Mining, Inc. Minerals Manganese

Address 506 Silver Bow Block, Butte, Montana

OPERATION	Unit	Costs This Month	Units This Month	Costs to Date	Units to Date	Unit Costs to Date	Authorized by Contract: Units	Authorized by Contract: Unit Costs
Drifting	ft			12,326.40	385.2	32.00	550	32.00
400 Crosscutting Rehabilitation	ft			4,100.00	200.0	20.50	240	20.50
Drift Timbering	ft			3,652.00	365.2	10.00	550	10.00
Installing Pump & Facilites	job			2,082.00	comp	2082.00	job	2082.00
Shaft Rehabilitation	job			3,148.00	comp	3148.00	job	3148.00
400 Station Enlarging	cu ft			1,600.00	3200	0.50	3200	0.50
Diamond Drilling	ft						420	5.00
Surface Drilling	ft						1700	6.00
Extra Timber	ft						100	8.00
Spiling	ft			600.00	20.00	30.00	50	30.00
Test Pits								
Roads and Trails								
Assaying	ft			192.50	55.0	3.50	140	3.50
Total Distributed Costs								Total Costs Authorized by Contract
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
Stage 1				23,190.70				
Total Costs				50,891.60				106,010.70

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 4/3/57 Operator Umont Mining, Inc.

Per Gilbert T. Brassiwell Title Resident Manager

Remarks:

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

(Instructions on reverse)

(For Government use only)

RECEIVED APR 15 1957 D.M.E.A.

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 872894

NORWICH MINE

Silver Bow County

Montana

DMEA - 2874 Contract Idm E-604 - Manganese

RECEIVED APR 15 1957 D.M.E.A.

NARRATIVE REPORT

(Period March 1, 1957 through March 31, 1957)

During the month of March none of the work in progress was covered by subject contract, and no charges are being reported on the accompanying forms.

No drifting was done this month. 4-497 raise near the face of the west drift was advanced to a point 102 feet above the sill during the month for an advance of 19 feet. The 4-557 raise was carried up an additional 12 feet with the 4-557 stope to a point 52 feet above the sill of the 400 drift east.

On the east side of 4-506 raise, in the west drift, the 4-506 stope was started and mined up 3 cap floors above the sill timber for 3 sets east of the aforementioned raise, by the end of the month. The blind stope 4-557 being mined between 4-553 and 4-557 raises in the east drift was carried up one additional floor to 5 regular floors above the sill timber at which point the back became too low grade to mine. This stope was then filled.

In the course of this work, 18 lots of ore were shipped as detailed below:

Lot No.	Cars	L.D.T.	Assay	Origin
Rs 19	86	122.88	18.2	4-557 Stope
Rs 20	292	161.38	15.9	4-506 Stope
Rs 21	97	85.57	22.2	4-506 Stope
Rs 22	91	84.23	21.1	4-506 Stope
Rs 23		11.73	18.3	4-506 Stope
Rs 24	94	89.41	29.0	4-506 Stope
Rs 25	47	44.61	25.7	4-506 Stope
Rs 26	49	43.83	22.8	4-506 Stope
Rs 27	152	103.71	21.3	4-506 Stope
Rs 28	42	60.52	21.9	4-506 Stope 6 cars from 400 Dr. W.
Rs 29	110	127.89	**	4-506 Stope
Dr 26	92	109.95	14.9	4-557 Stope
Dr 27	72	39.47	12.5	4-557 Stope
Dr 28	60	78.15	13.9	4-557 Stope
Dr 29	43	39.65	17.5	4-497 Raise
Dr 30	113 ~~99~~	105.05	19.7	4-557 Stope 55 cars 4-545 Raise 14 cars 4-497 Raise 44 cars
Dr 31	57	54.84	15.5	4-557 Stope 39 cars 4-497 Raise 18 cars

Dr 32	66	**	**	{4-557 Stope 21 cars {4-497 Raise 45 cars
	1563*			

* 91 cars hoisted April 1, 49 of which went into Ra lot 29, and 42 into drift lot 32.
** not available

Because there was no advance under contract this month, no map is included with this report.

Yours truly,
Umont Mining, Inc.

Wilbur F. Criswell
Wilbur F. Criswell
Resident Manager

WFCsam

COPY

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

Budget Bureau No. 42-R1036.5

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of February, 1957 Docket No. DMEA 2874 Contract No. Idm E-604

Operator's Name Umont Mining, Inc., Minerals Manganese

Address 506 Silver Bow Bldg., Butte, Mont.

Contract Amount, $ 106,010.70 Government Participation: 75 % Amount, $ 79,508.00

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Contracts: Short Form						
Facilities & equipment						
Drilling Plutus shaft		2082.00	2082.00			
Shaft Rehabilitation		3148.00	3148.00			
Enlarging & Rehabilitation 400 station		1600.00	1600.00			
Drifting						
400 x-cut Rehabilitation		4100.00	4100.00			
(2) Labor and Supervision:						
Drifting 400 level east		12326.40	12326.40			
Labor						
Supervision Timbering		3652.00	3652.00			
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
Spiling		600.00	600.00			
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis		192.50	192.50			
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
Stage 1		23,190.70	23,190.70			
TOTALS		50,891.60	50,891.60			

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

Date 3/6/57 *Payee Umont Mining, Inc.,

For Philbert T. Lawrence Title Resident Manager

*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: $ -0-

Signature Dorothy Doss
(Authorized Certifying Officer)

Date ..... Vou. No. .....
(See other side)

RECEIVED MAR 4 1957 D.M.E.A.

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

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

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 872893

Form F-104A
(April 1952)

Budget Bureau No. 42-R1151.2

MAR 11 1957

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of February 1957 Docket No. DMEA 2874 Contract No. Idm-E-604
Operator's Name Umont Mining, Inc. Minerals Manganese
Address 506 Silver Bow Building, Butte, Montana

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting	ft			12,326.40	385.2	32.00	550	32.00
400 Crosscutting Rehabilitation	ft			4,100.00	200.00	20.50	240	20.50
Timber Drift Timber	ft			3,652.00	365.2	10.00	550	10.00
Installing pump & facilities	job			2,082.00	comp	2082.00	job	2082.00
Shaft Rehabilitation	job			3,148.00	comp	3148.00	job	3148.00
Station 400 Enlarging	cu ft			1,600.00	3200	0.50	3200	0.50
Diamond Drilling	ft						420	5.00
Surface Drilling	ft						1700	6.00
Stripping Extra Timber	ft						100	8.00
Trenching Spiling	ft			600.00	20.00	30.00	50	30.00
Test Pits								
Roads and Trails								
Assaying	ft			192.50	55.0	3.50	140	3.50
TOTAL DISTRIBUTED COSTS								TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
Stage 1				23,190.70				
TOTAL COSTS				50,891.60				106,010.70

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 3/6/57 Operator Umont Mining, Inc.

By Arthur F. Lassiter Title Resident Manager

REMARKS:

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

(Instructions on reverse)

(For Government use only)

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

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 872894

OFFICIAL FILE COPY
DMEA
RECEIVED MAR 22 1957
RECORDS

DATE	INITIALS	

NORWICH MINE

Silver Bow County

Montana

DMEA-2874 - Contract Idm E-604 - Manganese

NARRATIVE REPORT

(Period: February 1, 1957 through February 28, 1957)

COPY

During the month of February none of the work in progress was covered by subject contract, and no charges are being reported on the accompanying forms.

The 400 East Drift was not advanced. The 400 Drift West was advanced 56 feet to a point within a few feet of the western end line of the Norwich claim by February 9, when a moderate flow of water was encountered. Initially due to surges it amounted to about 200 gpm, although in a few days it had dropped off to a steady flow of about 126 gpm.

Normally, the ground in this area is such that, when reasonably dry it will stand open about the time required to muck out a round and timber. With the quantity of water encountered, the ground runs so badly further advance in this heading was impossible until the water has drained down somewhat and further attempts to advance this heading were abandoned for the present.

The raise numbered 4-497 was advanced 50 feet during the month to a point 81 above the sill. 4-506 raise was advanced 22 feet and holed the 300 foot level.

At a point 120 feet east of the 400 x-cut and 80 feet back from the face of the 400 Drift East, the 4-497 raise started and advanced 8 feet in January, was advanced to a point 40 feet above the sill. A blind stope was then started westward from this raise to extract the ground between 4-557 and 4-553 raise to the west. This block is 6 sets long and had been mined four floors above the sill by the end of the month.

In the course of this work 13 lots of ore were shipped as detailed below:

Lot No.	L.D.T.	Assay	Origin
Rs Lot 8	33.82	18.5	4-506 Raise
Rs Lot 9	57.6	16.7	4-557 Raise
Rs Lot 10	90.9	23.5	4-506 Raise 4-497 Raise
Dr. Lot 24	88.9	15.2	4-557 Raise
Rs Lot 11	46.1	15.7	4-557 Raise 4-497 Raise
Rs Lot 12	119.6	17.2	4-557 Raise 4-497 Raise
Rs Lot 13	155	17.6	4-557 Stope 4-557 Raise
Rs Lot 14	121	19.6	4-497 Raise 4-506 Raise
Rs Lot 15	128	18.9	4-557 Stope
Rs Lot 16	134	19.0	4-557 Stope 4-497 Raise
Dr Lot 25	133	28.1	4-506 Raise

Rs Lot 17	74	17.9	4-557 Stope
Rs Lot 18	174	18.4	4-557 Stope 4-497 Raise

Because there was no advance under contract this month, no map is included with this report.

Very truly yours,

Wilbur F. Criswell
Resident Manager

WFC/am

COPY

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

Budget Bureau No. 42-R1036.5

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of January 1957 Docket No. DMEA 2274 Contract No. Idm-E-604

Operator's Name Uncont Mining, Inc. Minerals Manganese

Address 506 Silver Bow Block, Butte, Montana

Contract Amount, $ 106,010.70 Government Participation: 75% Amount, $ 79,508.00

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Contracts:						
Drilling		2082.00	2082.00			
Bulldozing		3148.00	3148.00			
Crosscutting		1600.00	1600.00			
Drifting		4100.00	4100.00			
(2) Labor and Supervision:						
Labor		12,326.40	12,326.40			
Supervision		3652.00	3652.00			
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
Coiling		600.00	600.00			
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis		192.50	192.50			
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
Stage I		23,190.70	23,190.70			
TOTALS		50,891.60	50,891.60			

RECEIVED FEB 21 1957 D.M.E.A.

Memo Only No Payment

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

Date 2/6/57 *Payee Uncont Mining, Inc.

Per Gilbert T. Brunwell Title Resident Manager

*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:

$ -0-

Signature Dorothy F. Long
(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. ..... in accordance with the terms of the contract.

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

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 872893

Form MF-104A
(April 1962)

Budget Bureau No. 42-R1151.2

FEB 1 1957

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

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

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	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Crosscutting	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Raising	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Shafts	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Winzes	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Drilling: Core	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Churn	[illegible]						[illegible]	[illegible]
Auger	[illegible]						[illegible]	[illegible]
Stripping	[illegible]						[illegible]	[illegible]
Trenching				[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Test Pits								
Roads and Trails								
[illegible]				[illegible]	55.0	[illegible]	[illegible]	[illegible]
Total Distributed Costs								Total Costs Authorized by Contract
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
[illegible]				[illegible]				
Total Costs				[illegible]				[illegible]

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

Date [illegible] Operator [illegible]

Per Gilbert T. Brownwell Title [illegible]

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)

RECEIVED FEB 21 1957 D.M.E.A.

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 872894

NORWICH MINE

Silver Bow County

Montana

DMEA-2874 - Contract Idm E-504 - Manganese

OFFICIAL FILE COPY
DMEA
RECEIVED FEB 21 1957

DATE	INITIALS	CODE

NARRATIVE REPORT

(Period: January 1, 1957 through Jan. 31, 1957)

During the month of January none of the work in progress at the Norwich Mine was covered by subject contract, and no charges are being reported on the accompanying forms.

The 400 East Drift was not advanced. The 4-553 Raise was stopped about 40 feet above the sill because the last four sets had advanced in waste. An EX diamond drill hole 86 feet long was drilled from the east breast North 45 degrees East plus 5 degrees to probe for water and geologic structure.

The 400 West Drift was advanced to a point about 140 feet east of the Mapleton end line where it was lost due to caving. At a point about 35 feet east of the caved breast a six post raise was started which was 31 feet above the sill as the month ended.

The raise started in December 385 feet west of the 400 level crosscut (90 feet east of 4-497), known as 4-506 raise was advanced during the month to a point about 85 feet above the 400 sill.

In the course of this work 14 lots of ore were shipped, as detailed below:

Lot No.	L.D.T.	Assay	Origin
17)			400 West Drift
18) Combined	239.06	13.2	5 Tons from 4-553 Rais
19	59.73	22.0	400 West Drift
20	104.24	21.3	400 West Drift
21	130.20	20.7	400 West Drift
22	19.22	26.5	400 West Drift
23	39.20	19.2	4-506 Raise
Raise Lot 1	55.50	25.3	4-506 Raise
Raise Lot 2	99.04	22.6	4-506 Raise
Raise Lot 3	47.06	21.6	4-506 Raise
Raise Lot 4	45.00*	20.0*	4-497 Raise
Raise Lot 5	137.16	22.7	4-497 Raise
Raise Lot 6	94.93	17.0	400 West Drift - 15 Ts 4-506 Raise - 80 Tons
Raise Lot 7	88.07	18.7	4-506 Raise

*Estimated

COPY

Because there was no advance under contract this month, no map is included with this report.

Very truly yours,

Wilbur F. Criswell

W. F. Criswell
Resident Manager

WFC:k

COPY

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

JAN 5 REC'D

Budget Bureau No. 42-R1036.5

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

Month of December, 1956 Docket No. DMEA [illegible] Contract No. [illegible]
Operator's Name [illegible] Minerals [illegible]
Address [illegible]
Contract Amount, $ [illegible] Government Participation: 75% Amount, $ [illegible]

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Contractors:						
Drilling		[illegible]	[illegible]		2082.00	2082.00
Bulldozing		[illegible]	[illegible]		3148.00	3148.00
Cross-cutting						
Drifting		[illegible]	[illegible]		1600.00	1600.00
Cut-Rehabilitation		[illegible]	[illegible]		4100.00	4100.00
(2) Labor and Supervision:						
Drilling		12326.40	12326.40		12326.40	12326.40
Supervision		[illegible]	[illegible]		3652.00	3652.00
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
Drilling		[illegible]	[illegible]		600.00	600.00
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis		192.50	192.50		192.50	192.50
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
Stage I		23,190.70	23,190.70		23190.70	23190.70
TOTALS		50,891.60	50,891.60	—0—	50891.60	50891.60

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

Date 1/3/57 *Payee [illegible]

Per Gilbert F. Criswell Title Resident Manager

*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:

$ —0—

Signature M. P.
(Authorized Certifying Officer)

Date 1-11-57 Vou. No. None
(See other side)

RECEIVED JAN 15 1957 D.M.E.A.

(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. E604 in accordance with the terms of the contract.

Signature 151 George T. Krendasky Title Mining Engr. Date 1-7-57

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature 151 A. E. Weissenborn Title Exec. Officer Date 1-10-57

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 872893

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of _____ 195____ Docket No. DMEA _____ Contract No. _____
Operator's Name _____ Minerals _____
Address _____

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT	
							Units	Unit Costs
Drifting								
Crosscutting								
Raising								
Shafts								
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS								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 _____ Operator _____

Per Gilbert T. Cusicell 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.

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 872894

NORWICH MINE

Silver Bow County

Montana

DMEA-2374 - Contract Idn E-604 - Manganese

RECEIVED JAN 15 1957 DMEA

MONTHLY REPORT

(Period: 12/1/56 through 12/31/56)

COPY

During the month of December, none of the work underway at the Norwich Mine was covered by subject contract and no charges are being reported on the accompanying forms.

The 400 East drift heading was shut down to permit silling out the ore where it was found to be more than drift wide. In the course of this work, 87.9929 long dry tons of ore assaying 15% manganese were recovered and shipped as Lot #7. A raise designated as 4-553 Raise was then started at a point about 100 feet East of the X-cut. At the end of this month the raise was up about 40 feet above the track. In the course of this work, two lots of ore were produced: Lot No. 8 comprising 63.1759 long dry tons assaying 16% manganese, and Lot No. 14 comprising 63.5647 long dry tons assaying 13.7% manganese.

All of the above work was prosecuted on a one-shift basis.

The West drift heading was advanced on a two-shift basis from a point about 378 feet west of the 400 X-Cut to a point 499.5 feet west of the origin. An additional 21.4 feet were driven on a footwall vein. The total advance achieved in this heading during December was about 142.5 feet. In the course of this work, four lots of ore were produced and shipped as follows: Lot No. 6 comprising 304.2357 long dry tons assaying 24.6% manganese; Lot No. 9 comprising 119.846 long dry tons assaying 27.2% manganese; Lot No. 10 comprising 70.6223 long dry tons assaying 29.9% manganese, and Lot No. 16, on which neither the official weight or grade is available.

Progress in the West drift was temporarily suspended December 17 through the 27th while a raise was started at a point about 385 feet west of the 400 level X-Cut. At the end of the month, this raise was up about 26 feet above the track. In the course of this advance, four lots of ore were produced and shipped as follows: Lot No. 11 comprising 129.8629 long dry tons assaying 21.3% manganese; Lot No. 12 comprising 71.392 long dry tons assaying 22.1% manganese; Lot No. 13 comprising 71.1076 long dry tons assaying 27.9% manganese; and Lot No. 15 comprising about 14 long dry tons but on which official assays are unavailable. The grade of this shipment is estimated at 25% manganese.

Ore produced intermittently from drift advance during the latter part of September and the month of November, and held in inventory, was also shipped this month combined Lots Nos. 2, 3, 4, and 5. They aggregate 632.521 long dry tons assaying 12.6% manganese.

Because there was no advance under contract this month of December, no map is included with this report.

Very truly yours,

Wilbur F. Criswell
Wilbur F. Criswell
Resident Manager

WFC:k

COPY

[redacted] (Rev.)
[redacted]952)

Budget Bureau No. 42-R1036.5

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

Month of [redacted], 195 6 Docket No. DMEA [redacted] Contract No. [redacted]
Operator's Name [redacted] Minerals [redacted]
Address [redacted]
Contract Amount, $ [redacted] Government Participation: 75 % Amount, $ [redacted]

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Contractor Facilities:						
Drilling		[redacted]	[redacted]		2082.00	2082.00
Bulldozing		[redacted]	[redacted]		3148.00	3148.00
Connecting						
Drifting		[redacted]	[redacted]		1600.00	1600.00
Cut [redacted]		[redacted]	[redacted]		4100.00	4100.00
(2) Labor and Supervision:						
Drilling Labor	[redacted]	[redacted]	[redacted]	3568.00	8758.40	12326.40
Supervision	[redacted]	[redacted]	[redacted]	1115.00	2537.00	3652.00
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
Drilling		[redacted]	[redacted]		600.00	600.00
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis	[redacted]	105.00	[redacted]	87.50	105.00	192.50
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
[redacted]		23,190.70	23,190.70		23190.70	23190.70
TOTALS	[redacted]	[redacted]	[redacted]	4770.50	46121.10	50891.60

RECEIVED DEC 17 1956 D.M.E.A.

I certify that the above bill is correct and just and that payment therefor has not been received.
Date [redacted] *Payee [redacted]
Per Gilbert F. Brewster Title [redacted]

*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:

$ 3577 88

Signature M.O.P.
(Authorized Certifying Officer)

Date 12-11-56 Vou. No. 1907
(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. E 781 in accordance with the terms of the contract.

Signature 151 George J. Krempasky Title Mining Engr. Date 12-3-56

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature 151 Wing G. Agnew Title Acting Exec. Date 12-11-56

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.

[redacted]104A
[redacted]952)

Budget Bureau No. 42-R1151.2

RECEIVED DEC 17 1956 DMEA

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

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

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	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Crosscutting	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Raising	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Shafts	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Winzes	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Drilling: Core	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Drilling: Churn	[illegible]						[illegible]	[illegible]
Drilling: Auger	[illegible]						[illegible]	[illegible]
Stripping	[illegible]						[illegible]	[illegible]
Trenching	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Test Pits								
Roads and Trails								
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
TOTAL DISTRIBUTED COSTS		[illegible]						TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
[illegible]				[illegible]				
TOTAL COSTS		[illegible]		[illegible]				[illegible]

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

Date [illegible] Operator [illegible]

Per Gilbert F. Criswell Title [illegible]

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)

/s/ George J. Krenzosky
Mining Engr.

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 872894

NORWICH MINE

Silver Bow County

Montana

RECEIVED DEC 17 1956 D.M.E.A.

DMEA-2874 - Contract Idm-E-604 - Manganese

NARRATIVE REPORT

(Period: 11/1/56 through 11/30/56)

During November, work on the DMEA contract on the Plutus 400 level was confined entirely to the 400 east drift on the Norwich vein. Operations were conducted on a single shift basis. During the month the drift was advanced from a point 91 feet east of the 400 level X-cut to a point 203 feet east of this X-cut, an advance of about 111.5 feet.

This drift has been driven in ore from a point about 60 feet east of the 400 X-cut to a point about 175 feet east of it. Throughout this distance the ore averages 5.7 feet wide with a grade of 14.5% manganese. This portion of the vein has been much disturbed by strike faulting and past mineral movement which made it difficult to follow.

In the course of this advance approximately 295 long dry tons of ore assaying 12% manganese were extracted. The last 25 feet or so of advance was waste because the vein was either barren or low grade (less than 10%).

During the month, the west drift was advanced on a two-shift basis from a point about 190 feet west of the X-cut to a point 390 feet west of the 400 X-cut for an advance of about 200 feet. For about half of this distance the vein was tight and barren, and for most of the remainder it was narrow and wo weakly mineralized as to be much below ore grade. The last 15 feet of advance encountered a good grade of ore between three and four feet in width.

No particular difficulties were encountered during the month, and the work progressed smoothly and satisfactorily.

Very truly yours,

Wilbur F. Criswell

Wilbur F. Criswell
Resident Manager

WFC:k

COPY

COPY

COMPILATION OF SAMPLES ASSAYED DURING NOVEMBER, 1956

FROM DMEA EXPLORATION DRIFTS

The following samples are all from the 400 East Drift:

Date	Sample Number	Description		Width	Assay Ag	Assay Mn
11/1/56	36	91' East of the 400 X-Cut		5.0	1.4	11.5
11/2	410	96' " " " " "		5.5	0.8	12.2
11/3	440	101' " " " " "	Footwall	3.0	1.6	22.5
11/3	450	101' " " " " "	Hanging Wall	3.2	1.8	23.6
	440 & 450	101' " " " " "	Combined Average	6.2	1.7	23.0
11/5	490	104' " " " " "	Footwall	5.2	0.4	15.3
11/5	500	104' " " " " "	Hanging Wall	2.0	0.6	11.8
	490 & 500	104' " " " " "	Combined Average	7.2	10.4	14.3
11/6	540	110' " " " " "		6.1	1.2	14.5
11/7	580	114' " " " " "		7.5	0.2	11.7
11/8	630	119' " " " " "		5.0	0.8	21.2
11/9	670	122' " " " " "		6.9	1.2	21.1
11/10	710	127' " " " " "		6.9	1.2	22.2
11/13	840	133' " " " " "		8.5	0.8	17.0
11/13	890	138' " " " " "		4.9	1.8	17.3
11/14	950	147' " " " " "		6.5	1.2	15.2
11/14	1020	152' " " " " "		5.2	0.8	10.2
11/20	1260	158' " " " " "	Footwall	5.0	1.2	20.8
11/20	1270	158' " " " " "	Hanging Wall	4.0	0.6	8.1
11/20	1260 & 1270	158' " " " " "	Combined Averages	8.8	0.[illegible]	15.1
11/21	1170	163' " " " " "		3.0	1.2	12.3
11/23	1200	168' " " " " "		3.0	1.2	12.3
11/24	1220	172' " " " " "		4.5	0.6	17.9
11/26	1230	177' " " " " "		2.2	1.0	20.3
11/27	1290	182' " " " " "		1.7	1.8	7.4
11/28	1310	187' " " " " "		3.8	3.4	8.1
11/30	1350	192' " " " " "		4.0	2.6	10.4
11/30	1370	198' " " " " "		2.6	1.8	6.6

I hereby certify that all of the above numbered samples were among those assayed for the Umont Mining Company during the month of November, 1956.

LEWIS & WALKER
Assayers & Chemists

By: John S. Roach
John S. Roach

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

Budget Bureau No. 42-R1036.5

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

NOV 5 REC'D

RECEIVED NOV 13 1956 D.M.E.A.

Month of October 1956 Docket No. DMEA 2874 Contract No. ICA-E604

Operator's Name Umont Mining, Inc. Minerals Manganese

Address P. O. Box 727, Butte, Montana

Contract Amount, $ 106,010.70 Government Participation: 75 % Amount, $ 79,508.00

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Contracts: Facilities Short Form: Install Pump & Equipment						
Drilling: Plutus Shaft		2082.00	2082.00		2082.00	2082.00
Shaft Rehabilitation		3148.00	3148.00		3148.00	3148.00
Building: Enlarging & Rehabilitating 400 Crosscutting Station		1600.00	1600.00		1600.00	1600.00
Drifting: 400 X-Cut Rehabilitation		4100.00	4100.00		4100.00	4100.00
(2) Labor and Supervision: Drifting: Labor 400 Level	4982.40	3776.00	8758.40	4982.40	3776.00	8758.40
Supervision Timbering	1357.00	1180.00	2537.00	1357.00	1180.00	2537.00
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
Spiling	600.00		600.00	600.00	-0-	600.00
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis	119.00		119.00	105.00	-0-	105.00
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify): Stare I		23,190.70	23,190.70		23190.70	23190.70
TOTALS	~~7059.40~~	~~39,076.70~~	~~46,135.10~~	7044.40	39076.70	46121.10

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

Date Nov. 2, 1956 *Payee UMONT MINING, INC.

By Gilbert F. Kruswick Title Resident Manager

*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:

$ 5283.30

Signature M.P.
(Authorized Certifying Officer)

Date 11-9-56 Vou. No. 1892

(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. E604 in accordance with the terms of the contract.

Signature 151 George I. Krempasky Title Mining Engr. Date 11-6-56

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature 151 A. E. Weissenborn Title Executive Officer Date 11-9-56

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.

Form [illegible]-104A
(April 1952)

Budget Bureau No. 42-R1151.2

NOV 5 RECD

RECEIVED
NOV 18 1956
D.M.E.A.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of October 6 1956 Docket No. DMEA 2874 Contract No. dm-E604
Operator's Name Umont Mining, Inc. Minerals Manganese
Address P. O. Box 727, Butte, Montana

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
400 X-Cut Rehabilitation	Foot	4982.40	155.7	8758.40	273.7	32.00	550	32.00
Drift	Foot	-	-	4100.00	200.0	20.50	240	20.50
Drift Crosscutting Timbering	Foot	1357.00	135.7	2537.00	253.7	10.00	550	10.00
Install Pumps		-	-	2082.00	Comp.	2082.00	Job	2082.00
Shaft Shafts Rehabilitation		-	-	3148.00	Comp.	3148.00	Job	3148.00
400 Station Enlarging	Cu.Ft.	-	-	1600.00	3200.00	0.50	3200	0.50
Diamond Drilling: Core Drill	Ft.						420	5.00
Surface Churn Drill	Ft.						1700	6.00
x Extra Timber	Ft.						100	8.00
Stripping Spiling	Ft.	600.00	20.0	600.00	20.00	30.00	50	30.00
Trenching								
Test Pits								
Roads and Trails								
Assaying	Sample	119.00	34	119.00	34	3.50	140	3.50
TOTAL DISTRIBUTED COSTS		7058.40		22,944.40				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
Stage 1 Buildings, Improvements, etc.				23,190.70				
		7058.40		46,135.10				106,010.70
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 Nov. 2, 1956 Operator UMONT MINING, INC.

By Wilbur F. Criswell Title Resident Manager

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)

151 George J. Krempasky
Mining Engr.

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 872894

NOV 5 REC'D

RECEIVED NOV 13 1956 Dallas

COPY

COMPILATION OF SAMPLES ASSAYED DURING SEPTEMBER, 1956

FROM DMEA EXPLORATION DRIFTS

The following samples are all from the 400 East Drift:

Date	Sample Number	Description	Width	Assay Ag	Assay Mn
9/6		East Wall 400 Level X-Cut	1.0'	1.6	10.9
9/6		" " " " "	6.0'	.80	14.0
9/11	8	8' East of 400 X-Cut	6.8'		14.9
9/12	9	11' East of 400 X-Cut	7.2'		17.8
9/13	10	17' East of 400 X-Cut	6.9'		12.9
9/18	14	18' East of 400 X-Cut	6.5'		13.8
9/18	15	19' East of 400 X-Cut (Back)	5.5'		12.4
9/18	16	18' East of 400 X-Cut	1.5'		16.3

All of the following samples are from the 400 West Drift:

Date	Sample Number	Description	Width	Assay Ag	Assay Mn
9/6		West Wall 400 Level X-Cut	7.0'	.60	13.2
9/14	12	16' West of 400 X-Cut (Back)	4.2'	1.40	11.1
9/18	17	21' West of 400 X-Cut	2.5'	6.80	12.6
9/22	18	53' West of 400 X-Cut	3.6'	0.50	10.5
9/22	19	62' West of 400 X-Cut (Back)	5.2'	0.80	17.10
9/27	67	67' West of 400 X-Cut	5.6'	1.80	18.90
9/28	22	79' West of 400 X-Cut	2.7'		9.0
10/1	85W	85' West of 400 X-Cut	3.0'		6.5

I hereby certify that all of the above numbered samples were among those assayed for the Uhart Mining Company during the month of September, 1956.

LEWIS & WALKER
Assayers & Chemists

By: John H. Keogh
J. H. Keogh

NOV 5 REC'D

COPY

COMPILATION OF SAMPLES ASSAYED DURING OCTOBER, 1956

FROM DMSA EXPLORATION DRIFTS

The following samples are all from the 400 East Drift:

Date	Sample Number	Description	Width	Assay Ag	Assay Mn
10/8	DP#-2	61' East of 400 X-Cut	4.3'	0.20	12.50
10/8	DP#-3	69' East of 400 X-Cut	2.3'	0.40	13.70
	71E	71' East of 400 X-Cut	4.0'	0.40	5.40
	74E	74' East of 400 X-Cut	5.0'	0.60	7.70
10/16	5	82' East of 400 X-Cut (Full face)	8.4'	0.60	13.50
10/16	6	" " " " (Partial face)	3.2'	0.80	20.80
10/25	31	88' East of 400 X-Cut	7.6'	0.30	16.10

The following samples are all from the 400 West Drift:

10/16	4	113' West of 400 X-Cut	4.3'	0.40	7.30
10/17	7	125' West of 400 X-Cut	6.3'	1.40	10.10
10/17/	12	130' West of 400 X-Cut	9.0'	1.00	11.20
10/18	13	136' West of 400 X-Cut	6.8'	0.20	4.80
10/18	15	140' West of 400 X-Cut	9.6'	0.60	8.10
10/18	18	144' West of 400 X-Cut	7.2'	0.20	7.00
10/23	19	150' West of 400 X-Cut	7.5'	0.60	4.50
10/23	23	160' West of 400 X-Cut	7.6'	0.60	14.00
10/23	27	167' West of 400 X-Cut	5.8'	0.20	13.30
10/24	28	174' West of 400 X-Cut	8.6'	0.40	6.10
10/25	29	180' West of 400 X-Cut	9.0	0.10	3.50

I hereby certify that all of the above numbered samples were among those assayed for Ozong Mining Company during the month of October, 1956.

LEWIS & WALLER
Assayers & Chemists

By: John S. Roach
J. S. Roach

NOV 5 REC'D

Norwich Mine
Silver Bow County
Montana

DMEA-2374-Contract Idm-E-604 (Manganese)

NARRATIVE REPORT

(Period: 10/1/56 through 10/31/56)

COPY

During October progress on the DMEA work on the Plutus 400 level lagged, as did other work in the mine because all underground operations were suspended from October 25th through October 30th due to the necessity of repairs to the hoist and compressor. Also, we lacked sufficient drift miners to operate two shifts from October 17th through the 23rd when a new crew was secured. During this period operations were pushed in the West Drift which advanced steadily, although much of the advance was beyond the 150 foot limit west of the 400 crosscut, and therefore not covered by the contract. Progress in the East Drift suffered and as a result the total amount of drifting done under the contract was considerably less than would normally have been completed.

At the end of the month the West Drift had been advanced to a point 190 feet west of the 400 crosscut, of which 179 feet had been timbered. In the east drift a timbered advance of 83 feet was achieved. On the advice of the Dumont geologist, 35 or 40 feet of this was driven to the northeast beyond the fault which displaced the vein and which was mentioned in the narrative for September. When the structure had not been found as anticipated a long hole to the south was drilled, using section steel, at a point just east of the fault. This prospecting revealed the displaced portion of the vein at a distance of 16 feet. A crosscut was started at this point, advanced to the vein, and drifting along it continued. The east drift had been advanced to a point 91 feet east of the 400 crosscut by the end of the month.

The west drift has been following a strong fault structure striking about north 77 degrees west with an average dip to the south of about 58 degrees. This fault structure, characterized by a distinctly "purplish" clay, is, in the upper levels one of the major control features of ore deposition. At least it is usually associated and identified with the ore shoots in the 300 level and above.

On strike and dip the "Purple Fault" shear should lead Dumont into the downward projection of the 300 level ore shoots.

In the west drift, from a point about 120 feet west of the crosscut to a point about 190 feet west of the crosscut, several distinct and roughly parallel shears (all striking about north 80 degrees east and dipping south about 60 degrees) together with many small, rather persistent rhodochrosite-quartz stringers have been observed in the drift. The shears and stringers are cut off by the purple clay and pass out into the walls on the south side.

NOV 5 1930

In the course of drifting along the purple clay, several discontinuous but pleasingly rich "plumlike masses" of ore have been revealed. However, I do not consider that any commercial manganese ore was developed by the west drift in October.

In the east heading the drifting on the vein exposes a broken, brecciated, stringered mass of rhodochrosite, altered splite, quartz and sparing sulfides, which when mined in the drift have been averaging in the neighborhood of 10% manganese and less than one ounce silver.

By October 31st the vein had been drifted on to a point 91 feet east of the 400 foot crosscut.

At a zone 81-86 feet east of the drift origin, a vein five feet wide, striking about north 75 degrees west and dipping south about 60 degrees has been revealed. Assays are not available.

I do not consider that the drifting east during the month blocked out any commercial ore, although I do feel the showing is impressive.

Very truly yours,

Wilbur F. Criswell

Wilbur F. Criswell
Resident Manager

WFC:k

COPY

DMEA Field Team, Region I, MT District November 9, 1976

DMEA Certifying Officer, Region I

Docket No. DMEA 2074, Contract No. Ida-[illegible]. [illegible] Mining, Inc.
Monthly operating report for October 1976.

The contract calls for approximately 150 feet of westerly drifting along the Norwich vein. Therefore, the cost of assaying 4 samples taken from the 400 West Drift beyond the 150 foot point has been disallowed.

Myrtle Purdy

cc: Operator
DMEA (2)
USGS (2)
Wash. (2)
AD
GTK

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

Budget Bureau No. 42-R1036.5

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

RECEIVED OCT 22 1956

Month of September, 1956 Docket No. DMEA 2874 Contract No. 1Qm-E604
Operator's Name Umont Mining, Inc. Minerals Manganese
Address P. O. Box 727, Butte, Montana
Contract Amount, $ 106,010.70 Government Participation: 75 % Amount, $ 79,508.00

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Contracts:						
Short Form Install Pump Facilities &						
Equip Plutus Shaft		2082.00	2082.00		2082.00	2082.00
Shaft Rehabilitation		3148.00	3148.00		3148.00	3148.00
Enlarge & Rehabilitate 400 Station		1600.00	1600.00		1600.00	1600.00
Drifting						
400 X-Cut Rehabilitation	922.50	3177.50	4100.00	922.50	3177.50	4100.00
(2) Labor and Supervision:						
Drifting - 400 Level	3776.00	None	3776.00	3776.00	—0—	3776.00
Timbering	1180.00	None	1180.00	1180.00	—0—	1180.00
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis	77.00	None	77.00	—0—	—0—	—0—
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
Stage I					23190.70	23190.70
TOTALS	5955.50	10,007.50	15,963.00	5878.50	33198.20	39076.70

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

Date 10/1/56 *Payee UMONT MINING, INC.

Per W. F. Criswell Title Resident Manager

*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:

4408 88

$ 4408 88

Signature MEP
(Authorized Certifying Officer)

Date 10/15/56 Vou. No. 1890

(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. E604 in accordance with the terms of the contract.

Signature /S/ George J. Kremyasky Title Mining Engr. Date 10/10/56

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature /S/ A. E. Weissenborn Title Executive Officer Date 10/15/56

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.

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

OCT 22 REC'D
RECEIVED
OCT 22 1956

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of September 1956 Docket No. DMEA 2874 Contract No. Idm-E604
Operator's Name Uwont Mining, Inc. Minerals Manganese
Address P. O. Box 727, Butte, Montana

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting	Foot	3776.00	118.0	3776.00	118.0	32.00	550 ok	32.00 ok
400 Rehabilitation	Foot	922.50	45.00	4100.00	200 ok	20.50	240 ok	20.50 ok
Drift Timbering	Foot	1180.00	118.0	1180.00	118	10.00	550 ok	10.00 ok
Install Pumps & Facilities		-	-	2082.00	Comp.	2082.00	Job ok	2082.00
Shaft Rehabilitation		-	-	3148.00	Comp.	3148.00	Job ok	3148.00
400 Pump Station	Cu.Ft.	-	-	1600.00	3200	.50	3200 ok	.50
Diamond Drilling	Foot						420	5.00
Surface Drilling	Foot						1700	6.00
Extra Timber	Foot						100	8.00
Spiling	Foot						50	30.00
Test Pits								
Roads and Trails								
Assaying	Sample	~~77.00~~	22.0	~~77.00~~	22.0	77.00	140	3.50
TOTAL DISTRIBUTED COSTS		5878.50 ~~5955.50~~		15886.00 ~~15,963.00~~				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
Charge I				23190.70				
TOTAL COSTS		~~5955.50~~ 5878.50		~~15,963.00~~ 39076.70				106,010.70

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

REMARKS:

Date Oct. 1, 1956 Operator UWONT MINING, INC.
Per W. F. Criswell Title Resident Manager

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)

151 George J. Krempasky

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 872894

Norwich Mine
Silver Bow County
Montana

DMEA-2874-Contract Idm-E-604 (Manganese)

RECEIVED
OCT 22 1956

NARRATIVE REPORT

(Period: 9/1/56 thru 9/30/56)

COPY

By September 10, 1956, the north crosscut on the Plutus 400 foot level had been advanced to a point about 250 feet northerly from the Plutus shaft, at which point the extreme footwall of the Norwich vein structure was completely exposed. Resampling of the vein checked the results previously reported.

September 11th, after the crosscut rehabilitation had been completed, drifts east and west were started at a point 218 feet northward from the Plutus shaft. In excavating for the turns from the crosscut about 113 long dry tons of ore were obtained. This material, which was shipped, assayed 14.4% Mn and very low silver.

The east drift was advanced 22 feet from the crosscut on the vein, and at that point a strong fault striking North 10° East and dipping east about 85° cut the vein off completely. The drift has been extended through the fault, a left turn has been made on the east side of the fault and it is hoped that the faulted extension of the vein will be encountered soon.

The decision to turn left was prompted by the following factors: (1) Most of the north-south faults in the Norwich are normal in throw; (2) Cross-faulting observed in the footwall vein, and the Norwich vein itself on this level are normal in characteristics, and although the present trouble makes cannot be correlated with any previously known fault, the assumption first must be made that the action is normal; (3) Mullion structures on the fault plane itself suggests that the hanging (east) wall of the fault is downthrown.

The west drift was advanced 87 feet where it encountered the old timbered workings. The drifting west exposed a strong, continuous vein from four to six feet wide, consisting principally of quartz with a manganese content varying between 8% and 19% with about one to two ounces of silver.

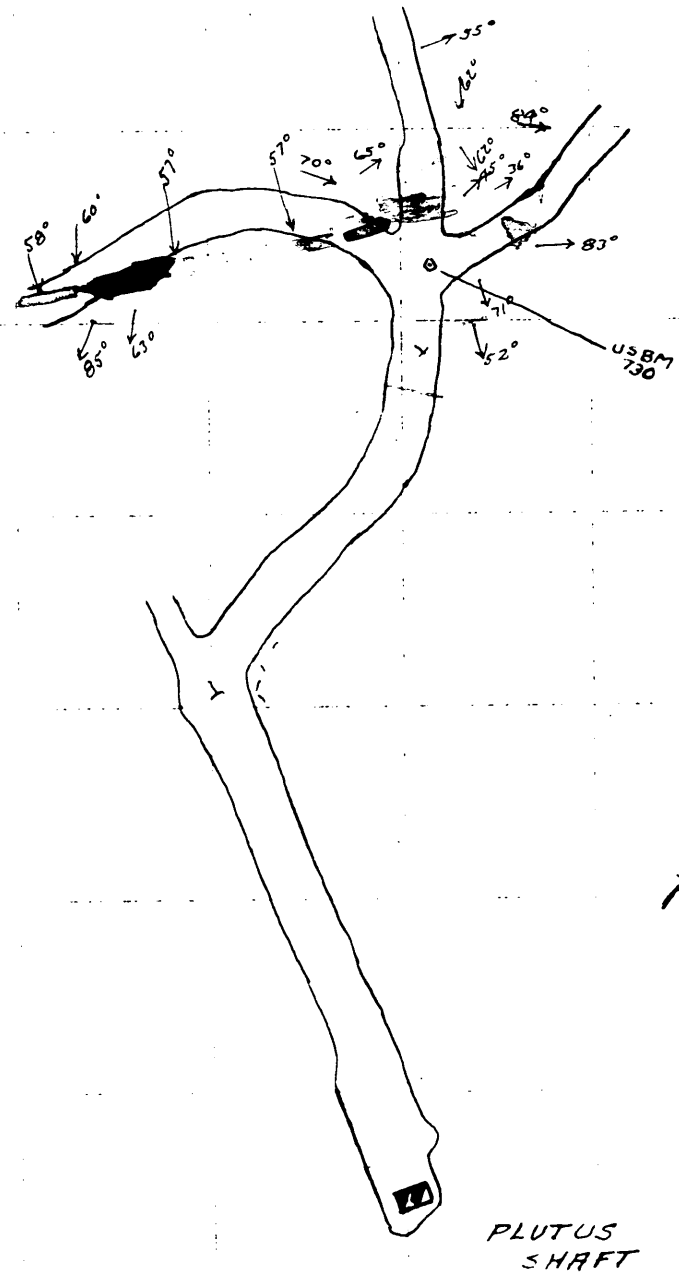
Four small north-south faults offset the vein to the left from two to six feet making it difficult to keep the drift on the vein. However, the vein appears to be turning to its normal strike and dip and it is hoped that no serious faulting problems will be encountered as the drift is continued west beyond the old crosscut.

Since September 3rd underground operations have been prosecuted on a two-shift basis using one crew of drift miners on each shift. No unusual difficulties were encountered and the progress is considered satisfactory.

Yours very truly,

W. F. Criswell
Resident Manager

WFC:k



SKETCH MAP OF THE
NORWICH MINE
400 FT. LEVEL
D.M.E.A. I.D.M. E604

1" = 40'
VEINS – RED
FAULTS – BLUE

GEOLOGY SKETCHED
FOR WORK COMPLETED
IN SEPTEMBER
1956

RECEIVED
OCT 22 1956

DMEA Field Team, Region I, NW District October 17, 1956

Certifying Officer, Region I

Docket No. DMEA 2874, Contract Idm-8604, Umont Mining, Inc.
Monthly operating report for September 1956.

The subject monthly operating report has been received and processed for payment.

The operator claimed costs of $77.00 for Sampling and Analysis, but no assay results were received with the report. Therefore, it was necessary to suspend payment of this cost. The amount suspended may be reclaimed by the Operator if the proper support is attached.

Myrtle Purdy

cc: Operator
DMEA (2)
USGS (2)
Wash. 2
JHB
AD

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

Budget Bureau No. 42-R1036.5

RECEIVED
SEP 20 REC'D
OCT 22 1956

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

Month of August 1956 Docket No. DMEA 2874 Contract No. Idm-E604

Operator's Name Umont Mining, Inc. Minerals Manganese

Address 43 Hirbour Bldg. (Box 727) Butte, Mont.

Contract Amount, $ 106,010.70 Government Participation: 75 % Amount, $ 79,508.00

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
Stage II						
(1) Independent Contractor:						
Short Form Install. Pump Equipment						
Drilling xxxxx Plutus Shaft		2,082.00	2,082.00		2082.00	2082.00
Rehab. xxxxxxxx Shaft Rehab.		3,148.00	3,148.00		3148.00	3148.00
Crosscutting xxxxxxxx Enlarging						
Drifting xxxxx 400 Sta.		1,600.00	1,600.00		1600.00	1600.00
Crosscut Rehab.	943.00	2,234.50	3,177.50	943.00	2234.50	3177.50
(2) Labor and Supervision:						
Labor xxxxxxxxxxxxx Drifting	None	None	None			
Supervision xxxxxxxx Nor. Tim.	"	"	"			
Technical Services xxxxxxxxxxxx of Dr.	"	"	"			
(3) Operating Mat'ls. and Supplies:						
Timber xxxxxxxxxxxxxxxxxx Ex. Sats.	"	"	"			
Explosives xxxxx Spiling Dr.	"	"	"			
Pipe xxxxxxxx Dia. Drilling						
Track xxx (Underground)	"	"	"			
xxxx Dia. Drilling (Surface)						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment	None	None	None			
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
Stage I					23190.70	23190.70
TOTALS	$943.00	$9,064.50	$10,007.50	943.00	32255.20	33198.20

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

Date 9/7/56 *Payee Umont Mining, Inc.

Per Shelbur T. Criswell Title Res. Mgr.

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

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

(Instructions on reverse)

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

$ 707.25

Signature MGP
(Authorized Certifying Officer)

Date 10/15/56 Vou. No. 1890
(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. E604 in accordance with the terms of the contract.

Signature /s/ John A. Dawsher Title Mining Engr. Date 9/27/56

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature /s/ A. E. Weissenborn Title Executive Officer Date 10/10/56

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.

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

SEP 20 REC'D
RECEIVED
OCT 22 1956

Month of August 1956 Docket No. DMEA 2874 Contract No. Idm-E604
Operator's Name Umont Mining, Inc. Minerals Manganese
Address 43 Hirbour Bldg. (Box 727) Butte, Mont.

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Stage II								
Install Facil.-Pump In Plutus Shaft	-	None	None	2,082.00	Complete Job	2,082.00	Comp. Job	2,082.00
Shaft Rehab.	-	"	"	3,148.00	"	3,148.00	"	3,148.00
400 Sta. Rehab.	Cu/ft	"	"	1,600.00	3200'	0.50	3200'	0.50
Crosscut	" Foot	943.00	46.0'	3,177.50	155' OK	20.50	240' OK	20.50
Winzes								
Drilling: Core Undergrnd.	"	None	None	None	None	-	420'	5.00
Core Surface	"	"	"	"	"	-	1700'	6.00
Drifting	"	"	"	"	"	-	550'	32.00
Nor. Timb. of Dr.	"	"	"	"	"	-	550'	10.00
Ex. Sects. Tim.	"	"	"	"	"	-	100	8.00
Spiling Drft.	"	"	"	"	"	-	50	30.00
Roads and Trails								
Assaying	One Sample	"	"	"	"	-	140.	3.50
TOTAL DISTRIBUTED COSTS		$943.00	-	$10,007.50				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc. Stage I				23,190.70				
TOTAL COSTS		$943.00	-	~~$10,007.50~~ 33,198.20				$106,010.70

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

REMARKS:

Date 9/7/56 Operator Umont Mining, Inc.

Per [signature] Title Res. Mgr.

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

(Instructions on reverse)

(For Government use only)

/s/ John A Bowsher

Plutus Mine
Silver Bow County
Montana
DMEA-2874-Contract--Idm-E-604 (Manganese)

SEP 20 REC'D

RECEIVED
OCT 22 1956

NARRATIVE REPORT

(Period: 8-1-56 thru 8-31-56)

COPY

During August, 1956, the 400 foot level crosscut North was rehabilitated and enlarged to a point 205 feet northerly from the Plutus shaft. Advance for August amounted to 46 feet enlarged and timbered, with ventilation, tract and air and water lines installed.

Advance was in sheared and sheeted aplite which required close lagging to hold in place. A few insignificant mineralized stringers were revealed in the enlarging operations.

At theclose of the month the southernmost edge, hanging wall side, of the main Norwich vein was exposed. The ground is very soft; the vein is making considerable water along the hanging wall clay and much cribbing was required over the sets at the vein.

We were able to prosecute the work covered by the DMEA contract only about seven days during the month of August. All underground operations were suspended from the 6th through the 10th while the change-over from the old to the new hoist was being made. At this time the change from the small wooden gallows frame to the new steel one was also accomplished.

Once the larger hoist had been placed in service we were able to put the new larger cars in use. These are 24-inch gauge. The week of the 13th through the 18th was spent changing the gauge of the track previously installed from 18 inches to 24 inches.

All underground operations were again halted August 20th when the hoist motor failed. They were resumed August 25th. The intervening time was required to locate and install a substitute hoist motor.

The job of changing track gauge was completed August 28th and the rehabilitation of the 400 level crosscut continued the remainder of the month.

Yours truly,

Wilbur F. Criswell

W. F. Criswell, Res. Mgr.

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Budget Bureau No. 42-R1036.5

RECEIVED
OCT 22 1956

OPERATOR'S MONTHLY REPORT AND VOUCHER

For period
Month of 4/16/56--7/31/56 195..... Docket No. DMEA 2874 Contract No. Idm-E604
Operator's Name Umont Mining, Inc. Minerals Manganese
Address Box 727, Butte, Montana (43 Hirbour Bldg)
Contract Amount, $ 106,010.70 Government Participation: 75 % Amount, $ 79,508.00

Stage 11 ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Contracts: Short Form; Drilling; Install facilities&pump equip, Plutus sh.	2082.00	none	$2082.00	2082.00	— o —	2082.00
Sh. rehab.	3148.00	none	3148.00	3148.00	— o —	3148.00
(Stat. rehab) (& enlarg.)	1600.00	none	1600.00	1600.00	— o —	1600.00
(2) (Crosscut rehab.)	2234.50	none	2234.50	2234.50	— o —	2234.50
Technical Services						
(3) Drifting	none	none	none			
Nor. Tim.Dr	"	"	"			
Ex. Sets Drift	"	"	"			
Spiling "	"	"	"			
(Diamond drilling) (underground)	"	"	"			
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis	none	none	none			
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify): Stage 1					23190.70	23190.70
TOTALS	$9064.50	-----	$9064.50	9064.50	23190.70	32255.20

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

Date 8/14/56 *Payee Umont Mining, Inc.

Per Wilbur F. Brussell Title Res. Mgr.

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

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

(Instructions on reverse)

Pursuant to authority vested in me, I certify that this account is correct and proper for payment in the amount of:
6798 38

$ 6798 38

Signature M.P.
(Authorized Certifying Officer)

Date 10/15/56 Vou. No. 1890
(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. E604 in accordance with the terms of the contract.

Signature /S/ John A. Bowsher Title Mining Engineer Date 8/23/56

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature /S/ A. E. Weissenborn Title Executive Officer Date 10/15/56

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.

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
OPERATOR'S UNIT COST AND PROGRESS REPORT

RECEIVED
OCT 22 1956

For period
Month *4/16/56 thru 7/31/56* Docket No. DMEA *2874* Contract No. *Idm-E604*
Operator's Name *Umont Mining, Inc.* Minerals *Manganese*
Address *Box 727, Butte, Montana (43 Hirbour Bldg)*

Stage 11 OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT *Stage 2* Units	AUTHORIZED BY CONTRACT *Stage 2* Unit Costs
Instal. facilit. & pump-Plut. sh.	*-*	*2082.00*	*compl. Job*	*2082.00*	*Compl. Job* [ok]	*$ 2082.00*	*compl. Job*	*$2082.00*
sh. rehab.	*-*	*3148.00*	*"*	*3148.00*	*"* [ok]	*3148.00*	*"*	*3148.00*
Station "	*cu/ft*	*1600.00*	*3200*	*1600.00*	*3200* [ok]	*0.50*	*3200*	*0.50*
crosscut "	*ft.*	*2234.50*	*109'*	*2234.50*	*109'* [ok]	*20.50*	*240'* [ok]	*20.50*
Winzes								
Drilling: Core *undergr.*	*ft.*	*none*	*none*	*none*	*none*	*---*	*420'*	*5.00*
Churn								
Auger								
Drifting	*ft.*	*none*	*none*	*none*	*none*	*---*	*550'*	*32.00*
Nor. Tim. Dr.	*"*	*"*	*"*	*"*	*"*	*---*	*550'*	*10.00*
Ex. sets "	*"*	*"*	*"*	*"*	*"*	*---*	*100'*	*8.00*
spiling	*"*	*"*	*"*	*"*	*"*	*---*	*50'*	*30.00*
Assaying	*one sam.*	*"*	*"*	*"*	*"*	*---*	*140*	*3.50*
TOTAL DISTRIBUTED COSTS		*$9064.50*	*---*	*$9064.50*				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
Stage I				*23190.70*				
TOTAL COSTS		*$9064.50*	*---*	[crossed out: *$9064.50*] *32255.20*			*$*	*106,010.70*

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 *8/14/56* Operator *Umont Mining, Inc.*

Wilbur F. Criswell Title *Res. Mgr.*

REMARKS:

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

(Instructions on reverse)

(For Government use only)

/s/ John A Bowsher

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 872894

Plutus Mine
Silver Bow County,
Montana
DMEA-2874--Contract--Idm-E604 (manganese)

RECEIVED
OCT 22 1956

NARRATIVE REPORT
(period--4-16-56 thru 7-31-56)

On April 16, 1956 work commenced on the project to make the 400 level off the Plutus shaft accessible for examination and exploratory work under the captioned contract.

Pumping was conducted on a 24-hour cycle without any appreciable lowering of the water level. To augment the permanent pumping facilities, a temporary installation was made consisting of two Jaeger sinking pumps, in tandem,--each 10 hp--discharging into a temporary sump. Two 40-hp Ingersoll Rand motor pumps then raised the water from the sump, 320' to the surface. The combined temporary units, discharged about 450 g.p.m. and the water level was lowered.

The unwatered workings were very unsafe. The workings were disappointingly small (4' x 6'). Timber was broken, water was damned behind caves and a candle would not burn fifty feet from the shaft.

Temporary ventilating equipment was installed, some caves were cleaned up and the Main Norwich Footwall Vein became accessible for inspection and sampling on May 22, 1956.

The vein is a strong, formal structure, about 20' wide, all containing rhodochrosite. The footwall 5.3' (average of both sides) assayed 20.9% Mn and 1.3 oz. Ag.

During the following period the shaft was completely rehabilitated and repaired to a point 408' below the collar, a permanent 6" water column was established, a 40 h.p. pump was placed in service on the 400 level, electronically controlled, and a 35-h.p. submersible pump (also electronically controlled) is held for emergency purposes. A 15 h.p. fan delivers air from the 244 level of the Plutus shaft to the 400 level, and all electric installations, as contemplated in the application have been completed.

The 400 station has been repaired and enlarged and rehabilitation of the 400 level has progressed to a point 159' northerly from the station. To summarize:

a. Facilities and pumping equipment have been installed in the Plutus shaft, at the 400 level at a cost substantially greater than $2,082.00. (See attached sheet of actual costs)
b. The Plutus shaft has been completely rehabilitated to a point 408' below the collar, and service facilities installed on the 400 level, at a cost substantially greater than $3,148.00. (See attached sheet of actual costs)
c. The 400 station has been enlarged, at a cost substantially greater than $1,600.00, and 109' of crosscut rehabilitation and enlarging (including 20' of spiling) has been completed at a cost in excess of $20.50 a foot. (See attached sheet of actual costs)

Respectfully submitted,

Wilbur F. Criswell

Wilbur F. Criswell, Res. Mgr.

Plutus Mine
Silver Bow Co., Montana
DMEA-2874--Contract Idm-E604 (manganese)

Actual Cost Report No. 1
(to accompany Report for period
4/16/56 thru 7/31/56)

COPY

Stage 11

Install facilities and pumping equipment in Plutus Shaft to 300 level---

Actual cost----$10,501.62

Rehabilitate Plutus shaft from 300 to 410 level, and install equipment---

Actual cost--- $ 7,217.87

Rehabilitate and enlarge 400 station---

Actual cost--- $ 2,378.44

Rehabilitate 109' of crosscut to Norwich Vein (131' left to do)

Actual cost--- $ 3,893.99

Total Actual cost of work done-----	$23,991.92
Cost allowed under Contract Idm-604	9,064.50
Difference	$14,927.42

Wilbur F. Criswell
Wilbur Cris[redacted], Res. Mgr.
Umont Mining, Inc.

DEFENSE MINERALS EXPLORATION ADMINISTRATION
CONTRACT ADMINISTRATION AND AUDIT DIVISION

RECEIVED
FEB 27 1956

REPORT OF REVIEW

I have reviewed the Monthly Reports of:

Irving G. Irving and Robert H. Nelson
84 Hirbour Building
Butte, Montana

pertaining to Exploration Project Contract No. Idm-E604, Docket No. DMEA-2874, dated September 21, 1953 including Amendments Nos. 1 to 7, inclusive, for the period of September 21, 1953 to January 21, 1956, covering a project for the exploration of manganese on property known as the Plutus Lode Mining Claim, located in Silver Bow County, State of Montana.

My review included an examination of the Monthly Reports (Forms MF-104) and supporting documents attached thereto, comparison of the costs claimed with the contract and pertinent schedules, consultation with the Executive Officer of the DMEA Field Team, and a determination of the reasonableness and propriety of the costs.

This review was made in lieu of a final audit of the Operator's accounts and records for the following reasons:

All of the costs incurred ($23,190.70) were under a contract provision for payment by the Government on the basis of Agreed Unit Costs of units of work actually performed.

The review disclosed the following facts in regard to the amount paid or to be paid the contractor:

Total Cost as billed by Contractor	$23,190.70
Exceptions	None
Total Accepted Cost	$23,190.70

The contract calls for a 75 percent participation of exploration expenses by the United States Government. Therefore, payment to the Contractor by the Government in the amount of Seventeen thousand three hundred ninety three and 03/100 Dollars

--$17,393.03--

is considered valid and proper, provided that the Regional Executive Officer, the Administrator, or other competent official has accepted or will accept the project as having otherwise met the terms of the contract.

C. A. Turner, Auditor

February 24, 1956.

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

PUBLIC VOUCHER FOR PURCHASES AND SERVICES OTHER THAN PERSONAL

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

Bu. Vou. No. 1725

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

Voucher prepared at Spokane 3/6/56
(Give place and date)

RECEIVED
MAR 12 1956

PAID BY

(For use of Paying Office)

THE UNITED STATES, Dr., Payee's Account No. Idm-E604

To Irving G. Irving and Robert H. Nelson
(Payee)

43 Hirbour Building (Address) Butte, Montana (City) (State)

No. and Date of Order	Date of Delivery or Service	ARTICLES OR SERVICES (Enter description, item number of contract or Federal supply schedule, and other information deemed necessary) Discount Terms	QUANTITY	UNIT PRICE Cost	UNIT PRICE Per	AMOUNT Dollars	AMOUNT Cts.
	December 1955	Amount withheld from final MF-104 when payment was made under Voucher No. 1717 February 21, 1956.				500	.00
		FINAL PAYMENT					
PAYMENT: Complete ☐ Partial ☐ Final ☐		Use continuation sheet(s) if necessary					
Shipped from	to	Weight	Government B/L No.		Total	500	.00

(Payee must NOT use this space)

Differences .....

Account verified; correct for 500.00

(Signature or initials) M.D.P.

Contract No. Date Req. No. Date Invoice Rec'd.

MEMORANDUM

ACCOUNTING CLASSIFICATION (For completion by Administrative Office)

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

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

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

16—22900a-2

METHOD OF OR ABSENCE OF ADVERTISING

METHOD OF ADVERTISING

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

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

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

ABSENCE OF ADVERTISING

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

.....

.....

.....

.....

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

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

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

16—22900a-2

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

Budget Bureau No. 42-R1036.5

RECEIVED
MAR 12 1956

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

Month of December, 1955 Docket No. DMEA 2874 Contract No. Idm-E604
Operator's Name Irving G. Irving & Robert H. Nelson, Minerals Manganese
Address 43 Hirbour Bldg., Butte, Montana
Contract Amount, $25,830.00 Government Participation: 75% Amount, $ 19,372.50

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Short Form Contracts: Shaft Rpr.	none	$1277.50	$1277.50		1277.50	1277.50
Stat. cutt.	"	1106.70	1106.70		1106.70	1106.70
Raising	"	2520.00	2520.00		2520.00	2520.00
Crosscutting						
Drifting	$2230.40	13647.60	15878.00	2230.40	13647.60	15878.00
Timbered drift	340.00	1934.50	2274.50	340.00	1934.50	2274.50
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis	6.00	128.00	134.00	6.00	128.00	134.00
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	$ 2576.40	$20614.30	$23190.70	2576.40	20614.30	23190.70

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

Date 1/21/56 *Payee Irving G. Irving and Robert H. Nelson, Partners

Per Irving G. Irving Title Partner

*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)

1932.30
500.00
1432.30

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

$ 1432.30

Signature [illegible]
(Authorized Certifying Officer)

Date 2/21/56 Vou. No. 1717
(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. E6:04 in accordance with the terms of the contract.

Signature (SI) John A. Bowsher Title Mining Engr. Date 1/27/56

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature (SI) Wing G. Agnew Title acting Exec. officer Date 2/21/56

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.

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

RECEIVED
MAR 12 1956

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of December 1955 Docket No. DMEA 2874 Contract No. Idm-E604
Operator's Name Irving G. Irving & Robert H. Nelson Minerals Manganese
Address 43 Hirbour Bldg. Butte, Montana

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting	ft.	$2230.40	65.6	$15878.00	467.0	$34.00	470	$34.00
~~xxxxxxx~~ Timb. Dr.	"	340.00	68.0	2274.50	454.9	5.00	470	5.00
Raising	"	none	none	2520.00	72.0	35.00	80	35.00
~~xxxx~~ Shaft Repair	"	"	"	1277.50	36.5	35.00	56	35.00
~~xxxxx~~ Stat. cutt.	cu/ft	"	"	1106.70	892.5	1.24	1300	1.24
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Sampling & assay	one samp.	6.00	3	134.00	67	2.00	249	2.00
TOTAL DISTRIBUTED COSTS		$2576.40	--	$23190.70				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS	$	2576.40	--	$23190.70				$25830.00

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.

Irving G. Irving and
Robt. H. Nelson, Partners

Date 1/21/56 Operator

Per Irving G. Irving Title Partner

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)

/s/ John A Bowsher
Mining Engr.

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 872894

BRIEF NARRATIVE REPORT
on the
Plutus Mine, Silver Bow Co., Montana
(Exploration Project -DMEA #2874, Contract Idm-E604)
(Irving G. Irving & Robert H. Nelson)
for
December, 1955

RECEIVED
MAR 12 1956

The work allotted, under the captioned contract, on the so-called 275 level has been completed. The drift east was advanced 65.6 feet to a total of 183.6' from the station. Originally, 200 feet of drifting in an easterrly direction was allowed, but this was to be done on the 200 level. Only 16.4' was done at this latter elevation, and the DMEA officials approved the transfer of the balance (183.6') to the 275 level below.

Out of a total of 470 feet of drifting allowed under the contract, 467' hasbeen done. In addition to this the following was completed:

454.9' of timbered drift
72.0' of raising
36.5' of shaft repair
892.5 cu. ft. of station cutting
And 67 samples were taken.

The drifting this month revealed only waste. As shown on the accompanying sketch, the vein has evidently been pulled apart by a northeast-striking fault structure.

If the sketch be examined in detail it will be seen that an ore shoot, beginning at about 48' from the station and extending 40 to 50 feet to the east was disclosed by this work. Whether or not this shoot extends, as commercial ore to a somewhat comparable showing on the 200 level above, remains to be seen. Stoping of this ore is to begin immediately and all of it that can be mined, or considered commercial ore, will be taken out.

In a few weeks a final report on the outcome and findings of the project will be written. In this report the ore found and shipped will be summarized, and any ore blocks that may be justifiably and properly called ore will be designated. As stated above, all of the ore found by the entire work will be mined immediately so that the entire project may be examined, reviewed and made subject of a final report by the government engineers in the not too distant future.

Respectfully submitted,

I. G. Irving

I. G. Irving, Mgr.

Form [illegible]4 (Rev.)
(April 1952)

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Budget Bureau No. 42-R1036.5

RECEIVED
DEC 12 1955

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of November, 195 5 Docket No. DMEA 2874 Contract No. Idm-E604
Operator's Name Irving G. Irving & Robt. H. Nelson Minerals Manganese
Address 43 Hirbour Bldg. Butte, Montana
Contract Amount, $ 25,830.00 Government Participation: 75% Amount, $ 19,372.50

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Int[illegible] Short Form Contracts: Shaft Rpr.	none	$1277.50	$1277.50		1227.50	1227.50
[illegible] Stat. Cutt.	"	1106.70	1106.70		1106.70	1106.70
[illegible] Raising	"	2520.00	2520.00		2520.00	2520.00
[illegible]						
Drifting	$374.00	$13273.60	$13647.60	374.00	13273.60	13647.60
Timbered Drift	45.00	1889.50	1934.50	45.00	1889.50	1934.50
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis	none	$128.00	128.00		128.00	128.00
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	$419.00	$20195.30	$20614.30	419.00	20195.30	20614.30

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

Date 11/30/55 *Payee Irving G. Irving and Robert H. Nelson, Partners.

Per Irving G. Irving Title Partner.

*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:

$ 314 25

Signature [illegible] (Authorized Certifying Officer)

Date 12-6-55 Vou. No. 1661

(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. E6004 in accordance with the terms of the contract.

Signature 151 John A. Bowsher Title Mining Engr Date 11-30-55

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature 151 Stephen W. Zoldok Title Mining Engr Date 12-5-55

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.

[redacted]-104A
(April 1952)

Budget Bureau No. 42-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

RECEIVED
DEC 12 1955

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of November 1955 Docket No. DMEA 2874 Contract No. Idm-E604
Operator's Name Irving G. Irving & Robert H. Nelson Minerals Manganese
Address 43 Hirbour Bldg. Butte, Montana

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting	ft.	$374.00	11.0'	$13647.60	401.4'	$ 34.00	470'	$34.00
~~Crosscutting~~ Timb. Dr.	"	45.00	9.0'	1934.50	386.9'	5.00	470'	5.00
Raising	"	none	none	2520.00	72.0'	35.00	80'	35.00
~~Sinking~~ Shaft Repair	"	"	"	1277.50	36.5'	35.00	56'	35.00
~~Winze~~ Stat. cuttin/cu/ft		"	"	1106.70	892.5	1.24	1300	1.24
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Sampling&Assays	one assay	none	none	128.00	64	2.00	249	2.00
TOTAL DISTRIBUTED COSTS		$419.00	---	$20614.30				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		$419.00	--	$20614.30				$25,830.00

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 11/30/55 Operator Irving G. Irving and Robt. H. Nelson, Partners

Per Irving G. Irving Title Partner

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)

151 John A Bowsher

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 872894

RECEIVED
DEC 12 1955

BRIEF NARRATIVE REPORT

on the

Plutus Mine, Silver Bow County, Montana
(Exploration Project No. 2874; Contract-Idm-E604)
(Irving G. Irving & Robert H. Nelson)
for
November, 1955

After a lapse of almost three months, the work on the subject contract got under way again.

The men who had been doing this work were busy, during the period, on shaft rehabilitation, preparatory to eventually reopening the bottom level (old Plutus 400 level) of the property and other exploration work in the hangingwall of the Norwich Vein. Both jobs were done at the operator's own expense and we feel that this work --from everyone's viewpoint--was of a constructive nature and has contributed toward the development of the property.

The advance in November was meagre, owing to the fact that work was resumed late in the month and only a few shifts were applied.

There remains 65.6' of drifting to be done on this level, in accordance with the contract, and with good luck the greater part of this allotment (at least fifty feet) should be completed by the end of December. In this connection, we are not set up for night shift work and the progress on the DMEA contract will to some extent depend on the ability to give the men on that job the cage to move rock, without unduly holding up production which we have to confess is the more important aspect of our operation, with a property payment to complete and a government loan to pay off.

Appropos the above, it may be stated that the original government advance on production (from the GSA) of over one hundred and seven ($107,000.00) dollars has now been reduced to a figure below sixty thousand, and the operators will, on present production schedules, complete payment on the Norwich property by June 30, 1956.

Respectfully submitted,

I. G. Irving

I. G. Irving, Mgr.

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

Budget Bureau No. 42-R1036.5

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

RECEIVED SEP 19 1955

Month of August, 1955 Docket No. DMEA 2874 Contract No. Idm-E-604
Operator's Name Irving G. Irving & Robert H. Nelson Minerals Manganese
Address 43 Hirbour Bldg. Butte, Montana
Contract Amount, $ 25,830.00 Government Participation: 75 % Amount, $ 19,372.50

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) ~~Independent~~ Contracts: Short Form	Shaft Rpr. none	$ 1277.50	$ 1277.50		1277.50	1277.50
Drilling	Stat. Cutt. "	1106.70	1106.70		1106.70	1106.70
~~Drifting~~	Raising "	2520.00	2520.00		2520.00	2520.00
Crosscutting						
Drifting	$1394.00	11879.60	13273.60	1394.00	11879.60	13273.60
~~Timbered Drift~~	220.00	1669.50	1889.50	220.00	1669.50	1889.50
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis	4.00	124.00	128.00	4.00	124.00	128.00
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	$1618.00	$18577.30	$20195.30	1618.00	18577.30	20195.30

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

Date 9/3/55 *Payee Irving G. Irving and Robt. H. Nelson, Partners

Per Irving G. Irving Title Partner

*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:

$ 1213 50

Signature MAP
(Authorized Certifying Officer)

Date 9-16-55 Vou. No. 1606
(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. E604 in accordance with the terms of the contract.

Signature /S/ Eldon C Pattee Title Mining Eng Date 9-6-55

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature /S/ Thomas E Howard Title Mining Eng Date 9-9-55

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.

Form [illegible]-104A
(April 1952)

Budget Bureau No. 42-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

RECEIVED
SEP 19 1955

Month of August 1955 Docket No. DMEA 2874 Contract No. Idm-E-604
Operator's Name Irving G. Irving & Robert H. Nelson, Minerals Manganese
Address 43 Hirbour Bldg., Butte, Montana

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting	ft.	$1394.00	41'	$13273.60	390.4'	$34.00	470'	$34.00
Crosscutting xxxxx Timb. Dr.	"	220.00	44'	1889.50	377.9'	5.00	470'	5.00
Raising	"	none	none	2520.00	72.0'	35.00	80'	35.00
Shafts xxx Shaft Repair	"	"	"	1277.50	36.5'	35.00	56'	35.00
Winzes xxxx Stat. Cuttin	cu/ft	"	"	1106.70	892.5	1.24	1300	1.24
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Sampling-assays	one samp	4.00	2	128.00	64	2.00	249	2.00
TOTAL DISTRIBUTED COSTS		$1618.00	--	$20195.30				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		$1618.00	--	$20195.30				$25,830.00

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 9/3/55 Operator Irving G. Irving and Robt. H. Nelson, Partners

Per Irving G. Irving Title Partner

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)

/s/ Eldon C. Pattee

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 872894

BRIEF NARRATIVE REPORT
on the
Plutus Mine, Silver Bow Co., Mont.
(Exploration Project No. 2874; Cont. Idm-E-604)
Irving G. Irving & Robert H. Nelson
for
August, 1955

RECEIVED
SEP 19 1955

Forty-one feet of advance was made on the subject contract during the month, leaving only 76.6' remaining to be done.

The terms of the contract, as amended, allow until September 21, 1955 for completion of this work. It would now appear that not all of the remaining footage will be done, unless additional time is granted. A review of the performance during the last several months indicates an average advance of about forty feet, and another thirty days would seem to be required to finish the 76.6' mentioned above.

The advance continued to expose ore until a point 87 feet from the station was reached (see attached map) and from this point to the present face, at 107', the material was waste. An ore shoot, approximately 45 feet long has thus been exposed.

Small, intermittent lenses of ore, asthe one reported above, have been exposed at several places in the course of carrying out the work of the entire project. It could well be, however, that the present ore shoot in this east drift is of larger extent and the waste now appearing in the face is only a large horse separating the ore exposed from more ore ahead. Only further advance will clarify this possibility.

The operators feel that it would seem advisable to continue the work (with this forty-five feet of ore showing) to the full extent allowed by the contract (that is the additional 76.6') to see if we are entering a more promising area. But, as mentioned above, this will require extending the time of the contract another thirty days.

Respectfully submitted,

I. G. Irving

I. G. Irving, Mgr.

MF-104 (Rev.)
(April 1952)

Budget Bureau No. 42-R1036.5

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

RECEIVED AUG 11 1955

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of July, 1955 Docket No. DMEA 2874 Contract No. Idm-E604
Operator's Name Irving G., Irving and Robert H. Nelson Minerals Manganese
Address 43 Hirbour Bldg. Butte, Montana
Contract Amount, $ 25,830.00 Government Participation: 75% Amount, $ 19,372.50

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Contracts: Short Form: Shaft Repr.	none	$1277.50	$1277.50		1277.50	1277.50
Stat. Cutt.	"	1106.70	1106.70		1106.70	1106.70
Raising	"	2520.00	2520.00		2520.00	2520.00
Crosscutting						
Drifting	$680.00	$11199.60	$11879.60	680.00	11199.60	11879.60
Timbering Drift	45.00	1624.50	1669.50	45.00	1624.50	1669.50
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis	2.00	122.00	124.00	2.00	122.00	124.00
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	$727.00	$17850.30	$18577.30	727.00	17850.30	18577.30

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

Date 7/30/55 *Payee Irving G. Irving & Robt. H. Nelson, Partners.

Per Irving G. Irving Title Partner.

*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:

$ 545.25

Signature M. DP
(Authorized Certifying Officer)

Date 8-5-55 Vou. No. 1570
(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. E604 in accordance with the terms of the contract.

Signature /S/ Eldon C. Pattee Title Mining Engr Date 8-1-55

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature /S/ Stephen W. Zoldak Title Mining Engr Date 8/3/55

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.

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of July 1955 Docket No. DMEA 2874 Contract No. Idm-3604
Operator's Name Irving G. Irving & Robert H. Nelson Minerals Manganese
Address 43 Hirbour Bldg. Butte, Montana

OPERATION	Unit	Costs This Month	Units This Month	Costs to Date	Units to Date	Unit Costs to Date	Authorized by Contract: Units	Authorized by Contract: Unit Costs
Drifting	foot	$680.00	20	$11879.60	349.4'	$34.00	470'	$34.00
Timb. Dr.	"	45.00	9	1669.50	333.9'	5.00	470'	5.00
Raising	"	none	none	2520.00	72.0'	35.00	80'	35.00
Shaft Repair	"	"	"	1277.50	36.5'	35.00	56'	35.00
Stat. Cuttin cu.ft.	"		"	1106.70	892.5	1.24	1300	1.24
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Sampl. & assay	one samp.	2.00	1	124.00	62	2.00	249	2.00
Total Distributed Costs		$ 727.00	---	$18577.30				Total Costs Authorized by Contract
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
Total Costs		$ 727.00	---	$18577.30				$25,830.00

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 7/30/55 Operator Irving G. Irving & Robt. H. Nelson, Partners

Per Irving G. Irving Title Partner

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)

Eldon C Pattee

(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 872894

BRIEF NARRATIVE REPORT
on the
Plutus Mine, Silver Bow Co., Montana
(Exploartion Project No. 2874; Contract-Idm-E604)
(Irving G. Irving & Robt. H. Nelson)
For
July, 1955

Only twenty feet advance was made on the subject contract during the month of July, 1955. The two men assigned to this work took their vacation during the month and the balance of the crew were occupied with, in our case, very essential production. Also, accounting for the meagre work done, was the serious breakdown suffered in June, as it was not until several days passed in July that we were back into proper operation again. Then, there was a holiday during the month to add to it.

As the accompanying sketch will show, however, the east drift, on the so-called 275, or No. 4 level came into ore. To date, it appears as though an ore shoot at least twenty feet long has been developed, and the breast of the drift shows three to four feet of good ore. A sample taken near the face assayed--3.0' of 21.9% manganese.

It is to be hoped that, when drifting is resumed, which will be on August first, the ore will continue easterly and that a body of minable size and of some significance will be revealed. To date, however, the ore shoots, such as they were, that have been disclosed on the Plutus Vein have been very small and erratically placed. Drifting easterly, as we are now doing, may be entering more favorable country. The contract calls for an additional 117.6' in this direction and this work will be continued. It is expected that at least fifty feet will be made in August.

Respectfully submitted
I. G. Irving
I. G. Irving, Mgr.

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

Budget Bureau No. 42-R1036.5

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

RECEIVED
JUL 11 1955

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of June, 1955 Docket No. DMEA 2874 Contract No. Idm-E604
Operator's Name Irving G. Irving & Robert H. Nelson Minerals Manganese
Address 43 Hirbour Bldg. Butte, Montana
Contract Amount, $ 25,830.00 Government Participation: 75 % Amount, $ 19,372.50

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) ~~Intermediate~~ Short Form Contracts: Shaft Repr.	none	$1277.50	$1277.50			
~~Deep~~ Station Cut.	"	1106.70	1106.70			
~~Building~~ Raising	"	2520.00	2520.00			
Crosscutting	"	none	none *			
Drifting	$1122.00	10077.60	$11199.60	1122.00		
Timbered Drift	165.00	1459.50	1624.50	165.00		
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis	4.00	118.00	122.00	4.00		
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	$1291.00	$16559.30	$17850.30	1291.00	16559.30	17850.30

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

Date 6/27/55 *Payee Irving G. Irving and Robt. H. Nelson, Partners

Per Irving G. Irving Title Partner

*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:

$ 968 25

Signature M.G.P.
(Authorized Certifying Officer)

Date 7-1-55 Vou. No. 1550
(See other side)

* Amend. No. 6 changed the 15' of crosscutting to drifting. So there is no crosscutting left in contract.

(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. E6604 in accordance with the terms of the contract.

Signature /S/ John A. Bowsher Title Mining Engr Date 6/27/55

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature /S/ Stephen W. Goldock Title Mining Engr Date 6/29/55

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.

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

RECEIVED
JUL 11 1955

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of June 1955 Docket No. DMEA 2874 Contract No. Idm-E-604
Operator's Name Irving G. Irving & Robert H. Nelson Minerals Manganese
Address 43 Hirbour Bldg., Butte, Montana

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE $	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting	foot	$1122.00	33.0'	$11199.60	329.9'	$ 34.00	470*	$34.00
~~Crosscutting~~ Tim.Drift	"	165.00	33.0'	1624.50	324.9'	5.00	470*	5.00
Raising	"	none	none	2520.00	72.0	35.00	80	35.00
Shafts Shaft Repair	"	"	"	1277.50	36.5	35.00	56	35.00
~~Winzes~~ Stat. Cutt.	cu.ft	"	"	1106.70	892.5	1.24	1300	1.24
Drilling: Core								
Churn								
Auger								
~~Stripping~~ Crosscuttin	ft.	none	none	none	none*	none	see below*	*
~~Trenching~~ Timb. xc/	"	"	"	"	" *	"	" *	*
Test Pits								
Roads and Trails								
~~Sampling & assay~~	one samp.	4.00	2	122.00	61	$ 2.00	249	2.00
TOTAL DISTRIBUTED COSTS		$1291.00	---	$17850.30				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		$1291.00	---	$17850.30	✓			$ 25,830.00

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 6/27/55 Operator Irving G. Irving and Robt. H. Nelson, Partners

Per Irving G. Irving Title Partner

REMARKS: *Note: Amendment 6, effective 5/25/55, converted the 15' of crosscut and timb. crosscut, previously allowed and listed to drifting. The authorized drifting, which was reported last month as 455' is now shown as 470' total allowed. Crosscutting will not be listed or shown in "Authorized Col" above from now on.

→ 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)

/s/ John a Bowsher

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 872894

BRIE F NARRATIVE REPORT
on the

Plutus Mine, Butte, Silver Bow Co., Montana

Exploration Project No. MMEA-2874; Contract No. Idm-E604
(Irving G. Irving & Robert H. Nelson)

RECEIVED
JUL 11 1955

For
June, 1955

Effective May 25, 1955, Amendment No. 6, allowed fifteen feet of crosscutting to be converted to drifting in the Plutus 244 level drift west. The total drifting allowed on this level was thus changed to 225.6'. Accordingly, the total drifting allowed that is shown in the "Authorized by Contract" column, on form MF-104A, is changed, on this report, from 455' to 470' and the 15 feet previously allowed for crosscutting, but not used, is deleted entirely.

Drifting was resumed, during the month, in the face of this west drift and carried to 222.6', leaving three feet to go. Only narrow ore was revealed. A sample, taken at 218.6' showed 1.2' of 20.8% manganese.

Work was resumed also, during the month, on the so-called 275 level (now called for signal reasons, the No. 4 level) and the drift east was advanced 21 feet from the old face, which had been driven to a point 25 feet from the station in January, 1954, before this work was stopped at the time. The present face is 46' from the station. This work also revealed only narrow vein material. A sample at 41 feet showed 2.2' of 17.6% manganese, in a structure about five feet wide. Drifting in this direction will be continued to the full distance allowed, which was 183.6'.

On June 20th the hoist motor--main hoist at the Plutus shaft--burned out and the crew had to be laid off, while a top crew set out to install a new 75 hp motor. We have been working all week, installing this motor, which required new gears for the hoist, new concrete foundation etc. It is expected that operations will be resumed underground this Tuesday, the 28th. There will be no further advance, however, on the subject exploration contract, during the month, and this report, dated June 27th, will represent the total progress to be made in June.

Respetfully submitted,

I. G. Irving

I. G. Irving, Mgr.

Form DMEA F-104 (Rev.)
(April 1952)

Budget Bureau No. 42-R1036.5

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

RECEIVED
JUN 20 1955

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of May, 1955 Docket No. DMEA 2874 Contract No. Idm-3604
Operator's Name Irving G. Irving & Robert H. Nelson Minerals Manganese
Address 43 Hirbour Bldg. Butte, Montana
Contract Amount, $ 25,830.00 Government Participation: 75 % Amount, $ 19,372.50

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) ~~Independent~~ Short Form Contracts: Shaft Rpr.	none	$1277.50	$1277.50			
Stat. Cutt.	"	1106.70	1106.70			
Drilling						
~~Bandsing~~ Raising	"	2520.00	2520.00			
Crosscutting	"	none	none			
Drifting	$1448.40	8629.20	$10077.60			
Timber.Drift	238.00	1221.50	1459.50			
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis	6.00	112.00	118.00			
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	$1692.40	$14866.90	$16559.30	1692.40	14866.90	16559.30

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

Date 6/1/55 *Payee Irving G. Irving & Robert H. Nelson, Partners

Per Irving G. Irving Title Partner

*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:

$ 1269 30

Signature MGP
(Authorized Certifying Officer)

Date 6-15-55 Vou. No. 1525
(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. E604 in accordance with the terms of the contract.

Signature /S/ Gideon A. Apell Title Mining Engr. Date 6-2-55

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature /S/ Stephen W Zoldak Title Mining Engr. Date 6-6-55

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.

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR

RECEIVED
JUN 20 1955

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of May 1955 Docket No. DMEA 2874 Contract No. Idm-5604
Operator's Name Irving G. Irving & Robert H. Nelson Minerals Manganese
Address 43 Hirbour Bldg. Butte, Montana

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting	foot	$1448.40	42.6'	$10077.60	296.4	$34.00	455	$34.00
~~xxxxxxx~~ Timb. Dr.	"	238.00	47.6'	1459.50	291.9	5.00	455	5.00
Raising	"	none	none	2520.00	72.0	35.00	80	35.00
Shafts (shaft Repair	"	"	"	1277.50	36.5	35.00	56	35.00
~~xxxxx~~ Stat. Cutt.	cu/ft	"	"	1106.70	892.5	1.24	1300	1.24
Drilling: Core								
Churn								
Auger								
~~xxxxx~~ Crosscutting	ft.	none	none	none	none	none	15.0	34.00
~~xxxxx~~ Timber xc	"	"	"	"	"	"	15.0	5.00
Test Pits								
Roads and Trails								
Sampling & Assay	one assay	6.00	3	118.00	59	2.00	249	2.00
TOTAL DISTRIBUTED COSTS		$1692.40	--	$16559.30				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS	$	1692.40	--	$16559.30				$25,830.00

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 6/1/55 Operator Irving G. Irving and Robert H. Nelson, Partners

Per Irving G. Irving Title Partner

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)

REMARKS:

(For Government use only)

Gideon a Apell

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 872894

BRIEF NARRATIVE REPORT

on the

RECEIVED
JUN 20 1955

Plutus Mine, Butte, Montana (Silver Bow Co.)

Exploration Project No. DMEA-2874; Contract No. Idm-E604
(Irving G. Irving and Robt. H. Nelson)

for

May p- 1955

A 42.6-foot advance was made, under the subject contract, in the west drift on the 244 level of the Plutus Mine during the month of May. Timber was brought up to the face, advancing 47.6 feet.

The vein displayed about the same characteristics as previously, containing only short, disconnected little shoots of manganese carbonate---not really ore because of the narfowness of the material. No ore resulted from this drifting. The present face is now more than 75 feet beyond the last "ore shoot"--if the short shewing could be called that.

The advance during the month used up all of the westerly drifting allowed under the contract. Altho, a request has been made to have the fifteen feet of crosscutting allocateed in this area converted to drifting. If granted, the drift will immediately be advanced another fifteen feet. As soon as this has been done, or rather while awiating the outcome of this request, the crew will go down on to the so-called 275 level and resume easterly drifting on the same structure, where a total of 158.6 feet of work remains to be done under the contract. If this drifting is carried out, the vein will have been prospected over a lateral range of about 460 feet and over a vertical range of more than 100 feet. Nothing that could properly be called an ore shoot has been encountered to date.

Perhaps ore exists to the east. In this connection, work is to be carried out on this project to complete conclusion.

Respectfully submitted,

I. G. Irving

I. G. Irving, Mgr.

COPY

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

Budget Bureau No. 42-R1036.5

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Defense Minerals Administration
RECEIVED
MAY 12 1955

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of April, 195 5 Docket No. DMEA 2874 Contract No. Idm-E604
Operator's Name Irving G. Irving & Robt. H. Nelson, Minerals Manganese
Address 43 Hirbour Bldg., Butte, Montana
Contract Amount, $ 25,830.00 Government Participation: 75 % Amount, $ 19,372.50

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) ~~Contract~~ Short Form Contracts: Shaft Rpr.	none	$1277.50	$ 1277.50		1277.50	1277.50
~~xxxxx~~ Station Cutt.	"	1106.70	1106.70		1106.70	1106.70
~~xxxxx~~ Raising	"	2520.00	2520.00		2520.00	2520.00
Crosscutting	"	none	none		— o —	— o —
Drifting	$1224.00	$7405.20	$ 8629.20	1224.00	7405.20	8629.20
Timbering Drift	210.00	$1011.00	$1221.00	210.00	1011.50	1221.50
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis	6.00	106.00	112.00	6.00	106.00	112.00
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	$1440.00	$13426.40	$14866.40	1440.00	13426.90	14866.90

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

Date 5/2/55 *Payee Irving G. Irving and Robt. H. Nelson, Partners.

Per Irving G. Irving Title Partner

*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:

$ 1080 00

Signature MOP
(Authorized Certifying Officer)

Date 5-9-55 Vou. No. 1504
(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. E 604 in accordance with the terms of the contract.

Signature 151 Gideon A Cybell Title Mining Engr Date 5-3-55

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature 151 Stephen W Zoldok Title Mining Engr Date 5-5-55

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 872893

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

Defense Minerals Administration
RECEIVED
MAY 12 1955

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of April 1955 Docket No. DMEA 2884 Contract No. Idm-E604
Operator's Name Irving G. Irving & Robert H. Nelson Minerals Manganese
Address 43 Hirbour Bldg., Butte, Montana

OPERATION	Unit	Costs This Month	Units This Month	Costs to Date	Units to Date	Unit Costs to Date	Authorized by Contract: Units	Authorized by Contract: Unit Costs
Drifting	foot	$1224.00	36'	$8629.20	253.8'	$34.00	455'	$34.00
~~Crosscutting~~ Timb. Drif.	"	210.00	42'	1221.00	244.3'	5.00	455'	5.00
Raising	"	none	none	2520.00	72.0'	35.00	80'	35.00
~~Shafts~~ Shaft Repair	"	"	"	1277.50	36.5'	35.00	56'	35.00
~~Raises~~ Stat. cutting	cu.ft.	"	"	1106.70	892.5'	1.24	1300'	1.24
Drilling: Core								
Churn								
Auger								
~~Stopes~~ Crosscuttin.	ft.	none	none	none	none	none	15'	34.00
~~Timbering~~ Timber xc	"	"	"	"	"	"	15'	5.00
Test Pits								
Roads and Trails								
Sampling & assayin.	one samp	6.00	3	112.00	56	2.00	249	2.00
Total Distributed Costs		$ 1440.00	----	$14866.40				Total Costs Authorized by Contract
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
Total Costs		$1440.00	----	$14866.40 14866.90				$25,830.00

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.

Irving G. Irving and Robt. H. Nelson, Partners

Date 5/2/55 Operator

Per Irving G. Irving Title Partner.

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)

/s/ G a apell

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 872894

BRIEF NARRATIVE REPORT

on the
Plutus Mine, Butte, Silver Bow County, Montana.

Exploration Project---DMEA-2874--Contract No. Idm-E604
(Irving G. Irving & Robt. H. Nelson)

Minerals Administration
RECEIVED
MAY 12 1955

for

April, 1955

A thirty-six foot advance was made , under the subject contract in the west drift on the 244 level, during the month. This is approximately the same advance as during the previous month.

The vein--and the short narrow ore shoots it has displayed to date----continues to be most disappointing.

In last month's report a hopeful attitude was taken of the ore being disclosed. But an additional advance of only eight feet, at the beginning of the new month, terminated the little shoot of ore, which proved to be about 45 feet long, with the ore showing only erratically in the back of the drift, providing no certain block for stoping.

A flat fault (see sketch) seemed to terminate the ore shoot, such as it was, and the vein appears to be turning to the right and becoming lean and non-commercial again.

Advance of this work is to be continued, but, as mentioned above, the development to date has been very disappointing. The structure is strong, however, and the mineralization in places is of an attractive grade. One can only hope that a sizeable section of the vein ahead may prove to be commercial.

Respectfully submitted,

I. G. Irving, Mgr.

COPY

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

Budget Bureau No. 42-R1036.5

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

Defense Minerals Administration RECEIVED

Month of March, 1955 Docket No. DMEA 2874 Contract No. Idm-E-604
Operator's Name Irving G. Irving & Robert H. Nelson Minerals Manganese
Address 43 Hirbour Bldg. Butte, Montana
Contract Amount, $ 25,830.00 Government Participation: 75 % Amount, $ 19,372.50

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) ~~Independent~~ Short Form Contracts: ~~xxxxx~~ Shaft Rpr.	none	$1277.50	$1277.50			
~~xxxx~~ Stat.cutt.	"	1106.70	1106.70			
~~xxxxxx~~ Raising	"	2520.00	2520.00			
~~Bandoning~~	"	none	none			
Crosscutting						
Drifting 31 ft	$1258.00	6147.20	7405.20			
Timber Drift 31 ft	155.00	856.50	1011.00			
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis	10.00	96.00	106.00			
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	$1423.00	$12003.90	$13426.90	1423.00	12003.90	13426.90

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

Date 4/1/55 *Payee Irving G. Irving & Robert H. Nelson, Partners

Per Irving G. Irving Title Partner

*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:

$ 1067.25

Signature M.E.P. (Authorized Certifying Officer)

Date 4-8-55 Vou. No. 1473

(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. E 604 in accordance with the terms of the contract.

Signature /S/ John D. Bardill Title Metallurgist Date 4/4/55

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature /S/ Stephen M. Zoldok Title Mining Eng. Date 4/5/55

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.

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.1
Approval expires 6-30-53.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
APR 12 1955

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of March 1955 Docket No. DMEA 2874 Contract No. Idm-E-604
Operator's Name Irving G. Irving & Robert H. Nelson Minerals Manganese
Address 43 Hirbour Bldg. Butte, Montana

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting	foot	$1258.00	37'	$7405.20	217.8'	$34.00	455	$34.00
~~Crosscutting~~ Timber Dr.	"	155.00	31'	1011.50	202.3	5.00	455	5.00
Raising	"	none	none	2520.00	72.0	35.00	80	35.00
Shafts Shaft Repr.	"	"	"	1277.50	36.5	35.00	56	35.00
~~Winzes~~ Stat. Cuttin	cu/ft	"	"	1106.70	892.54	1.24	1300	1.24
Drilling: Core								
Churn								
Auger								
~~Trenching~~ Crosscutting	ft.	none	none	none	none	none	15.0	34.00
~~Trenching~~ Timber xc	"	"	"	"	"	"	15.0	5.00
Test Pits								
Roads and Trails								
Sampling & assay	one Samp.	10.00	5	106.00	53.1	2.00	249	2.00
TOTAL DISTRIBUTED COSTS		$1423.00	---	$13426.90				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		$1423.00	###	$13426.90				$25830.00

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 4/1/55 Operator Irving G. Irving & Robert H. Nelson, Partners

Per Irving G. Irving Title Partner

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)

REMARKS:

(For Government use only)

/s/ John D. Barkill

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

BRIEF NARRATIVE REPORT

on the

Plutus Mine, Butte, Silver Bow Co. Montana

Exploration Project --DMEA-2874--Contract No. Idm-#-604
(Irving G. Irving & Robt. H. Nelson)

for

March 1955

Bureau of Mines Minerals Administration
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APR 12 1955

A somewhat larger advance was accomplished on this project than during the previous month. And the results were definitely more encouraging. A total advance of 37 feet was made, and, if the accompanying geological sketch be examined and the assays inspected it will be seen that fair ore was encountered at the start of the advance and continues to the present face. So far, an oreshoot at least thirty seven feet long is indicated. A lens of ore somewhat similar in some respects was encountered about fifty feet back, but this particular showing looks more encouraging as the width is greater and the grade decidedly better.

The material disclosed to date has averaged 2.6' in width and 19.8% manganese. A shipment of approximately forty tons has been made that will probably run 19.5% manganese.

The structure is less brecciated and stike-faulted and perhpas an oreshoot of some sonsequence lies ahead. Drifting will, ofcourse, be continued.

Respectfully submitted,

I. G. Irving

I. G. Irving, Mgr.

COPY

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

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

DISTRIBUTION
Defense Minerals Administration
RECEIVED
MAR 10 1955

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

Month of February, 1955 Docket No. DMEA 2874 Contract No Idm-E604
Operator's Name Irving G. Irving & Robert H. Nelson Minerals Manganese
Address 43 Hirbour Bldg. Butte, Montana
Contract Amount, $25,830.00 Government Participation: 75 % Amount, $19,372.50

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) ~~Independent~~ Short Form Contracts: Shaft Rpr.	none	$1277.50	$1277.50			
Drilling Station Cut.	"	1106.70	1106.70			
~~Xxxxxxx~~ Raising	"	2520.00	2520.00			
Crosscutting	"	none	none			
Drifting	$918.00	5229.20	6147.20			
Timbering Drift	150.00	706.50	856.50			
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis	10.00	86.00	96.00			
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	$1078.00	$10925.90	$12003.90	1078.00	10925.90	12003.90

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

Date 3/2/55 *Payee Irving G. Irving and Robt. H. Nelson, Partners.

Per Irving G. Irving Title Partner.

*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:

$ 808 50

Signature MOP
(Authorized Certifying Officer)

Date 3/7/55 Vou. No. 1453
(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. E6604 in accordance with the terms of the contract.

Signature /S/ John D. Bardill Title Metallurgist Date 3-2-55

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature /S/ Stephen W. Goldoh Title Mining Engr. Date 3-3-55

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-R1151.2

Bureau of Mines
Bureau Minerals Administration
RECEIVED
MAR 10 1955

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of February 1955 Docket No. DMEA 2874 Contract No. Idm-E-604
Operator's Name Irving G. Irving & Robert H. Nelson Minerals Manganese
Address 43 Hirbour Bldg. Butte, Montana

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting	foot	$918.00	27'	$6147.20	180.8'	34.00	455'	$34.00
xxxxxxx Timb. Drift Crosscutting	"	150.00	30'	856.50	171.3'	5.00	455'	5.00
Raising	"	none	none	2520.00	72.0'	35.00	80'	35.00
xxxx Shaft Repair Shafts	"	"	"	1277.50	36.5'	35.00	56'	35.00
xxxx Sta. cutting Winzes	cu/ft	"	"	1106.70	892.5	1.24	1300	1.24
Drilling: Core								
Churn								
Auger								
xxxx Crosscutting Stripping	ft.	none	none	none	none	none	15.0	34.00
xxxxx Timber xc Trenching	"	"	"	"	"	"	15.0	5.00
Test Pits								
Roads and Trails								
Sampling & assay sam.	one	10.00	5	96.00	48	2.00	249	2.00
TOTAL DISTRIBUTED COSTS		$1078.00	----	$12003.90				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		$1078.00	----	$12003.90				$25,830.00

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 3/2/55 Operator Irving G. Irving & Robt. H. Nelson, Partners,

Per Irving G. Irving Title Partner

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 872894

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAR 10 1955

NARRATIVE REPORT
on the
Plutus Mine, Butte, Silver Bow Co., Mont.

Exploration Project --DMEA-2874; Contract No. Idm-E604
(Irving G. Irving & Robert H. Nelson)

for
February---1955

Again the advance was limited in the Plutus drift west, under the subject contract. As during the previous month, the reason was that the two men assigned to this development work were pulled off the project to continue rehabilitating the Plutus shaft, preparatory to opening up a still lower level. As a matter of fact, it may now be reported that the Plutus shaft is deepened to a point 350 feet below its collar. Also the pump had to be set down to successivly lower points.

For the time being, however, it is expected that the contract can be pushed more vigorously and an advance of probably fifty feet is envisioned for March.

The drifting accomplished, however, displayed only lensy ore within strong clay walls. A high grade streak appeared on the hangingwall side of the vein and a few tons were accumulated for later shipment. The accompanying sketch shows the geology and sampling of the new work. It will be seen that the ore on the hangingwall side has an attractive grade, and if it would widen out just a little more would be a fairly attractive showing. There is some basis for a hope that an oreshoot may be encountered just ahead, as the drift gets vertically under the so-called 20-foot shaft on the surface, where a four foot vein of pretty good ore is revealed. If the oreshoot has no particular rake this ore could be encountered soon.

Respectfully submitted,

I. G. Irving

I. G. Irving, Mgr.

COPY

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

Budget Bureau No. 42-R1036.5

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

Month of January, 1955 Docket No. DMEA 2874 Contract No. Idm-E604
Operator's Name Irving G. Irving & Robert H. Nelson. Minerals Manganese
Address 43 Hirbour Bldg. Butte, Montana
Contract Amount, $25,830.00 Government Participation 75 % Amount, $19,372.50

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Contracts:						
XXXXXXX Shaft Rpr.	none	$1277.50	$1277.50			
Short Form Cutting Sta.	"	1106.70	1106.70			
Drilling						
XXXXXX Raising	"	2520.00	2520.00			
Bulldozing	"					
Crosscutting		none	none			
Drifting $918.00		4311.20	5229.20			
Timbering Drift	120.00	586.50	706.50			
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis	14.00	72.00	86.00			
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	$ 1052.00	$9873.90	$10925.90	1052.00	9873.90	10925.90

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

Date 2/2/55 *Payee Irving G. Irving and Robt. H. Nelson, Partners

Per Irving G. Irving Title Partner

*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:

$ 789.00

Signature MSP
(Authorized Certifying Officer)

Date 2-4-55 Vou. No. 1429
(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. 6604 in accordance with the terms of the contract.

Signature /S/ John D. Bardell Title Metallurgist Date 2/2/55

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature /S/ Stephen W. Goldoft Title Mining Engr. Date 2/2/55

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.

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of January 195 5 Docket No. DMEA 2874 Contract No. Idm-E604

Operator's Name Irving G. Irving & Robert H. Nelson. Minerals Manganese

Address 43 Hirbour Bldg. Butte, Montana

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting	foot	$918.00	27	$5229.20	153.8	$34.00	455	$ 34.00
xxxxxxx Timber Dr. Crosscutting	"	120.00	24	706.50	141.3	5.00	455	5.00
Raising	"	none	none	2520.00	72.0	35.00	80	35.00
xxxx Shaft Repair Shafts	"	"	none	1277.50	36.5	35.00	56	35.00
xxxx Stat. Cuttin Winzes	cu.ft.	"	"	1106.70	892.5	1.24	1300	1.24
Drilling: Core								
Churn								
Auger								
xxxxxx Crosscutting Stripping	ft.	none	none	none	none	none	15.0	34.00
xxxxxxx Timber xc Trenching	"	"	"	"	"	"	15.0	5.00
Test Pits								
Roads and Trails								
Sampling & Assayin	one samp.	14.00	7	86.00	43	2.00	249	2.00
TOTAL DISTRIBUTED COSTS		$1052.00	--	$10925.90				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		$1052.00	--	$10925.90				$25,830.00

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.

2/2/55 Irving G. Irving and Robt. H. Nelson, Partners

Date Operator

Per Irving G. Irving Title Partner

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 872894

NARRATIVE REPORT on the
Plutus Mine, Butte, Montana
Exploration Project--DMEA-2874-Contract No. idm-E604
(Irving G. Irving and Robert H. Nelson)
for
January 1955

An advance of 27 feet was accomplished in the drift west, on the Plutus Vein, on the 244 level, during January, 1955.

The advance was again limited because the men available for this work were used part of the time helping to prepare the new No 4 level, which at this stage of the mines development is most essential for continued production on the Norwich Veins, to the north. This new level, and the shaft repair necessitated is being opened up entirely on the operators own account.

The advance in the drift, as shown on the attached geological sketch, continued to show a strong vein structure, intermittently mineralized sufficiently to contain commercial ore. A shipment of 41.1 LDT of material assaying 16.0% manganese resulted from the ore stripped during the advance from 38 to 61 feet. The present face, at 68 feet, is however lean again, showing only weak rhodochrosite stringers in highly altered aplitic granite.

It is hoped that a larger advance--perhaps forty feet or so--will be made during February.

Respectfully submitted,

I. G. Irving, Mgr.

COPY

DMEA-104 (Rev.)
(April 1952)

Budget Bureau No. 42-R1036.5

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

Month of December, 1954 Docket No. DMEA 2874 Contract No. Idm-E604
Operator's Name Irving G. Irving & Robert H. Nelson Minerals Manganese
Address 43 Hirbour Building, Butte, Montana
Contract Amount, $ 25,830.00 Government Participation: 75 % Amount, $ 19,372.50

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Development Short Form Contracts: Shaft Rpr.	none	$1277.50	$1277.50			
Sutting Stat.	"	1106.70	1106.70			
Drilling						
Bulldozing Raising	"	2520.00	2520.00			
Crosscutting	"	none	none			
Drifting	$850.00	3461.20	4311.20			
Timbering Drift	100.00	486.50	586.50			
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis	8.00	64.00	72.00			
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	$958.00	$8915.90	$9873.90	958.00	8915.90	9873.90

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

Date 12/31/54 *Payee Irving G. Irving and Robt. H. Nelson, Partners,

Per Irving G. Irving Title Partner

*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:

$ 718.50

Signature M. O. P.
(Authorized Certifying Officer)

Date 1/6/55 Vou. No. 1396
(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. JdmE 604 in accordance with the terms of the contract.

Signature 1st John D. Bardill Title Metallurgist Date Jan 3/55

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature 1st Stephen W. Zoldak Title Mining Engr. Date Jan. 3/55

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.

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of December 1954 Docket No. DMEA 2874 Contract No. Idm-E-604
Operator's Name Irving G. Irving and Robert H. Nelson Minerals Manganese
Address 43 Hirbour Bldg. Butte, Montana

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting	foot	$850.00	25	$4311.20	126.8	$34.00	455	$34.00
~~Crosscutting~~ xxxx Timbering Dr.	"	100.00	20	586.50	117.3	$5.00	455	5.00
Raising	"	none	none	2520.00	72.0	35.00	80	35.00
~~Shafts~~ xxxx Shaft Repair	"	"	"	1277.50	36.5	35.00	56	35.00
~~Winzes~~ xxxx Sta. Cutting	cu/ft	"	"	1106.70	892.5	1.24	1300	1.24
Drilling: Core								
Churn								
Auger								
~~xxxxx~~ Crosscutting	ft.	none	none	none	none	none	15	34.00
~~xxxx~~ Timber xc	"	"	"	"	"	"	15	5.00
Test Pits								
Roads and Trails								
Sampling & assays	one assay	8.00	4	72.00	36	2.00	249	2.00
TOTAL DISTRIBUTED COSTS		$958.00	--	$9873.90				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		$958.00		$9873.90				$25,850.00

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.

Irving G. Irving and
Robert H. Nelson, Partners

Date 12/31/54 Operator

Per Irving G. Irving Title Partner

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 872894

NARRATIVE REPORT

Plutus Mine, Butte, Montana

Exploration Project, DMEA 2874--Contract No. Idm-E604

Irving G. Irving and Robert H. Nelson
for
December, 1954

A twenty-five foot advance in the drift on the Plutus Vein, on the 244 level west was made during December. Advance was limited because of pump trouble caused by the burning out of the submersible pump which is the mainstay unit in keeping the mine dry. This entailed taking the two men off the Plutus work for quite a period installing secondary pumps and rearranging the pump column etc. Quite a bit of time and a financial loss was suffered.

The advance achieved in the drift showed a strong vein, intermittently mineralized with lenses of commercial ore in highly sericitized granite walls. Four samples were taken and these plus the geology are shown on the attached sketch. A little development ore was produced, and the face, at the end of the north, showed 3.2 feet of 11.0% manganese and no silver.

Work will be continued on this structure in January and a larger advance is expected.

Very truly yours,

I. G. Irving

I. G. Irving

COPY

Form [illegible]-104 (Rev.)
(April 1952)

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Budget Bureau No. 42-R1036.4
Approval expires 6-30-53.

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of November 195 4 Docket No. DMEA 2874 Contract No. Idm-B604
Operator's Name Irving G. Irving & Robert H. Nelson Minerals Manganese
Address 43 Hirbour Bldg. Butte, Montana
Contract Amount, $ 25,830.00 Government Participation: 75 % Amount, $ 19,372.50

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Contractors Short Form: Shaft Repr	none	$ 1277.50	$1277.50			
Cutting Sta.	"	1106.70	1106.70			
Drilling						
~~Bulldozing~~ XXXXXXX Raising	"	2520.00	2520.00			
Crosscutting	"	none	none			
Drifting	$544.00	2917.20	3461.20			
Timbering drift	80.00	406.50	486.50			
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment	$14.00	$ 50.00	$64.00			
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	$ 638.00	$ 8277.90	$8915.90	638.00	8277.90	8915.90

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

Date 12/6/54 *Payee Irving G. Irving & Robert H. Nelson, Partners.

Per Irving G. Irving Title Partner

*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:

$ 478 50

Signature [illegible]
(Authorized Certifying Officer)

Date 12/23/54 Vou. No. 1390
(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. E604 in accordance with the terms of the contract.

Signature /S/ John D. Bardell Title Metallurgist Date 12/15/54

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature /S/ Stephen W. Zoldok Title Mining Engr. Date 12/16/54

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 1[illegible]104A
(April 1952)

Budget Bureau No. 42-R1151.1
Approval expires 6-30-53.

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of November 1954 Docket No. DMEA 2874 Contract No. Idm-2604
Operator's Name Irving G. Irving & Robert H. Nelson Minerals Manganese
Address 43 Hirbour Bldg. Butte, Montana

OPERATION	Unit	Costs This Month	Units This Month	Costs to Date	Units to Date	Unit Costs to Date	Authorized by Contract: Units	Authorized by Contract: Unit Costs
Drifting	foot	$544.00	16.0'	$3461.20	101.8'	$34.00	455	$34.00
XXXXXXXX Crosscutting Timber.Dr.	"	80.00	16.0	486.50	97.3	5.00	455	5.00
Raising	"	none	none	2520.00	72.0	35.00	80	35.00
XXX Shafts Shaft Repair	"	"	"	1227.50	36.5	35.00	56	35.00
XXXX Winzes Stat. Cutting-cu/ft		"	"	1106.70	892.5	$1.24	1300	1.24
Drilling: Core								
Churn								
Auger								
XXXXXXX Crosscuttin	foot	none	none	none	none	none	15.0	34.00
XXXXXXX Timber. xc	"	"	"	"	"	"	15.0	5.00
Test Pits								
Roads and Trails								
Sampling & assaying	one assay	14.00	7	64.00	32	2.00	249	2.00
Total Distributed Costs		$638.00	--	$8915.90				Total Costs Authorized by Contract
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
Total Costs		$638.00	--	$8915.90				$25,830.00

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 12/6/54 Operator Irving G. Irving and Robt. H. nelson, Partners

Per Irving G. Irving Title Partner

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

[illegible]

Plutus Mine, Butte, Montana

Exploration Project, [illegible] #2874, Contract [illegible]-604

Irving G. Irving and Robert N. Nelson.

Nov ember, 1954

The drift west, on the Plutus Main on the 24[illegible] level, was begun during the month of November. An advance of sixteen feet (timbered drift) was made. It is the intention of the operators, following a complete reexamination of the development possibilities of the entire Plutus- Ophir Main system, to drift westerly on this structure for the entire distance allowed in the contract. It is also hoped that the easterly drifting on the same vein, on the level below, can be resumed in the near future.

As shown on the attached sketch, the Plutus Main was previously exposed by cross-cutting done on the operator's own account, as a strong structure--seven feet wide-- where intersected, sixty feet west of the Plutus shaft. It assayed about ten percent manganese.

The sixteen feet of drifting accomplished so far (work was started [illegible] the last week of the month) has shown some improvement, and it is believed that a full face of ore could appear in the face of the drift within a short/t distance. As the long section still shows, ore was found on the level above, ahead of this face although its downward extension remains to be seen. Note sampling on attached sketch.

Respectfully submitted,

I. G. Irving

I. G. Irving

COPY

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

Budget Bureau No. 42-R1036.5

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

Month of October, 1954 Docket No. DMEA 2874 Contract No. Idm-E-604
Operator's Name Irving G. Irving & Robert H. Nelson Minerals Manganese
Address 43 Hirbour Bldg. Butte, Montana
Contract Amount, $ 25,830.00 Government Participation: ____% Amount, $ 19,372.50

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Contracts: Short Form: Shaft Rpr.	none	$1277.50	$ 1277.50			
Cutting Sta.	"	1106.70	1106.70			
Raising	$1295.00	$1225.00	$ 2520.00			
Crosscutting	none	none	none			
Drifting	"	2917.20	2917.20			
Timbering Drift	"	406.50	406.50			
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis	$ 18.00	$32.00	$50.00			
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	$1313.00	$6964.90	$8277.90	1313.00	6964.90	8277.90

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

Date 11/8/54 *Payee Irving G. Irving & Robert H. Nelson, Partners

Per Irving G. Irving Title Partner

*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:

$ 984.75

Signature MJP
(Authorized Certifying Officer)

Date 12/10/54 Vou. No. 1368
(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. E604 in accordance with the terms of the contract.

Signature /s/ John D. Bardill Title Metallurgist Date 11/16/54

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature /s/ Stephen W. Zoldok Title Mining Engr Date 11/16/54

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.

Form M[illegible]104A
(April 1952)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION
RECEIVED
DEC 16 1954

Month of October 1954 Docket No. DMEA 2874 Contract No. Idm-E-604
Operator's Name Irving G. Irving & Robert H. Nelson Minerals Manganese
Address 43 Hirbour Bldg. Butte, Montana

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting	foot	none	none	$2917.20	85.8'	$34.00	455*	$34.00
~~Crosscutting~~ Timber Dr	"	"	"	406.50	81.3'	5.00	455*	5.00
Raising	"	$1295.00	37"	2520.00	72.0'	35.00	80	35.00
~~Sinking~~ Shaft Repair	"	none	none	1277.50	36.5	35.00	56'	35.00
~~Timbering~~ Stat. Cutt.	cu/ft	"	"	1106.70	892.5	1.24	1300	1.24
Drilling: Core								
Churn								
Auger								
~~Timbering~~ Crosscutting	ft.	none	none	none	none	none	*15.0'	34.00
~~Timbering~~ Timber Xc	"	"	"	"	"	"	*15.0'	5.00
Test Pits								
Roads and Trails								
Sampling-assaying	one samp.	$18.00	9	50.00	25	2.00	249	2.00
TOTAL DISTRIBUTED COSTS		$1313.00	----	$8277.90				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		$1313.00	----	$8277.90				$25,830.00

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 11/8/54 Operator Irving G. Irving & Robt. H. Nelson, Partners

Per Irving G. Irving Title Partner

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)

* Amendment No 2 has actually changed the 470 feet of drifting and 470' of timbered drift to 455' of drift and timbered drift as 15 feet of drifting originally allowed was changed over in substitution to 15' of crosscutting and 15' of timbered crosscut. See Amendment 2

INSTRUCTIONS

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

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

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

GPO 83-38475

NARRATIVE REPORT
Plutus Mine, Butte, Montana

Exploration Project: DMEA-2874--Contract No. Idm-E-604

Irving G. Irving and Robert H. Nelson.

October, 1954

Work continued on the captioned DMEA project during October. The raise on the Plutus Vein, on the 200 level, was advanced 37 feet to a total of 72 feet, at which height it holed the old Plutus 125 level.

This additional advance, however, was not entirely in ore. As the 125 sill was approached, the structure, while remaining strong, began to widen and the material between the bounding clays became lean. As the Long Section (with assays) on the attached sketch will show, the last eight or ten feet of the raise revealed no commercial ore. The old 125 level above, only partly accessible, was mapped and the vein in the part where it could be observed was not too well mineralized. The drift is caved and incessible, however, going east and it could well be that better showings occur beyond the caved face.

No shipments resulted from the material obtained in the month's advance. While the material coming from the interval 35 to 60 feet would probably have carried itself, the rock added later from the top of the raise was lean enough to reduce the overall average to 11.8% manganese, which is not ore.

A block of ore is indicated, however, extending from the back of the sill to the west of the raise, to a height of about 60 feet up in the raise. Some ore may extend east of the raise and only intermediate work in this direction from the raise, or more sill work to the east will prove this one way or the other. It is for the reason and many others that it is hoped that approval of further easterly work on this level will be obtained.

As mentioned i n earlier reports the rake, if any, to the Plutus ore occurrences is still not known. They may represent only pods of varying size, but before any worthwhile conclusions may be reached, the country to the east toward the rhyolite should be explored. As in the adjoining Hibernia Mine, something quite worthwhile may be exposed in the structus as it approaches the rhyolite.

Very truly yours,

I. G. Irving

I. G. Irving

COPY

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

Budget Bureau No. 42-R1036.4
Approval expires 6-30-53.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Defense Minerals Administration
RECEIVED
OCT 29 1954

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of September, 195 4 Docket No. DMEA 2874 Contract No. Idm-E-604
Operator's Name Irving G. Irving & Robt. H. Nelson Minerals Manganese
Address 43 Hirbour Bldg., Butte, Montana
Contract Amount, $ $25,830.00 Government Participation: 75 % Amount, $ $19,372.50

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts: Shaft Rpr.	none	$1277.50	$1277.50		1277.50	1277.50
Drilling: Cutting Sta.	"	1106.70	1106.70		1106.70	1106.70
~~Bulldozing~~ Raising	$1225.00	none	1225.00	1225.00	—	1225.00
Crosscutting	none	"	none			
Drifting	"	2917.20	2917.20		2917.20	2917.20
Timbering Drift	"	406.50	406.50		406.50	406.50
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
* Sampling and Analysis	* $21.00	11.00	* 32.00	21.00	11.00	32.00
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	$1246.00	$5718.90	$6964.90	1246.00	5718.90	6964.90

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

Date 10/14/54 *Payee Irving G. Irving & Robt. H. Nelson, Partners,

Per Irving G. Irving Title Partner

*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:

$ 934 50

Signature MAP
(Authorized Certifying Officer)

Date 10/22/54 Vou. No. 1326
(See other side)

* This amount includes $7.00 (the difference between the $11.00 reported and the $18.00 that should have been reported for the 9 samples in January 1954 report

(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. E604 in accordance with the terms of the contract.

Signature /S/ John D Bardill Title Metallurgist Date 10/19/54

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature /S/ Stephen W Zoldok Title Mining Engr Date 10/19/54

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-104A
(April 1952)

Budget Bureau No. 42-R1151.1
Approval expires 6-30-53.

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT 29 1954

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of September 1954 Docket No. DMEA 2874 Contract No. Idm-E-604
Operator's Name Irving G. Irving & Robt. H. Nelson Minerals manganese
Address 43 Hirbour Bldg., Butte, Montana

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting	foot	none	none	$2917.20	85.8	34.00	455**	$34.00
~~Crosscutting~~ Timber Dr.	"	"	"	406.50	81.3	5.00	455**	5.00
Raising	"	$1225.00	35'	$1225.00	35.0	35.00	80	35.00
Shafts Shaft Repr.	"	none	none	1277.50	36.5	35.00	56	35.00
~~Wyes~~ Stat. Cuttin	cu/ft	"	"	1106.70	892.5	1.24	1300	1.24
Drilling: Core								
Churn								
Auger								
~~Stripping~~ Crosscutting	ft.	none	none	none	none	none	15'**	34.00
~~Trenching~~ Timber x-cut	"	"	"	"	"	"	15'**	5.00
Test Pits								
Roads and Trails								
* Assaying	one assay	$21.00*	7*	32.00	16	2.00	249	2.00
TOTAL DISTRIBUTED COSTS		$1246.00	--	$6964.90				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		$1246.00		$6964.90				$25,830.00

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 10/14/54 Operator Irving G. Irving and Robt. H. Nelson, Partners

Per Irving G. Irving Title Partner

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)

* Cost of $21.00 includes $7.00 that should have been charged in the January, 1954 report where nine assays were entered as $11.00 instead of $18.0

** Amendment No. 2 has actually changed the 470 feet of drifting and timbering of 470 feet of drift to 455 feet in each case, as 15 feet of the drifting originally allowed was changed over, in substitution, to 15 feet of crosscutting and 15 feet of timbering crosscut. See Amendment 2

INSTRUCTIONS

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

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

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

GPO 83-38475

NARRATIVE REPORT
Plutus Mine, Butte, Montana

Exploration Project: DMEA-2874---Contract Idm-E-60

Department of the Interior
Minerals Administration
RECEIVED

Irving G. Irving & Robert H. Nelson

September, 1954

After a period of inactivity, due to operating reasons and other factors, work was again resumed on the captioned DMEA project.

Approval had been obtained to do some of the 80 feet of raising allowed in the contract on the 200 level, east of the shaft pillar. The attached sketch shows the exact location of the work.

Prior to obtaining this approval the operators had, on their own account, advanced the east drift some 40 feet beyond the DMEA drifting, to a point about 59 feet east of the crosscut off the station.

In the course of this work some pretty fair oxidized manganese ore was revealed---a showing that definitely warranted, in the opinion of the operators, some raise work to determine the extent of the ore disclosed.

During the month of September the raise wasadvanced 35 feet and refealed a good manganese vein, and continuous ore, approximately four feet in width and averaging, as shown on the attached sketch:

4.1' of 19.6 % Manganese

The raise produced the following tonnage, which hasbeen shipped:

123.0 LDT assaying * approximately 16.6% mn

The final settlement and the determination of actual value of such material will have to await (as provided for in the purchase regulations) testing at theBureau of Mines laboratory, at Albany, Ore.

The showing in the back of the raise is such, however, as to prompt the operators to request permission to extend the raise to a point 80 feet above the sill, using up in this manner all of the raising allowed in the contract. Already it appears that a substantial blok of material is indicated.

The rake, if any, of the orebody being disclosed is still unknown. But it is hoped that the present work will contribute something in this respect.

Very truly yours,

I. G. Irving

I. G. Irving

COPY

Wash.

Robert H. Nelson

Irving G. Irving

NELSON and IRVING
Mining Consultants
MINERAL BLDG. BUTTE, MONTANA
Telephone 2-3445

RECEIVED
SEP 27 1954

Geological Investigations
Supervision of
Development Exploration

Mine Valuation
Counsel in
Mine Management

September 9, 1954

Mr. [illegible] Eisenborn,
Executive Officer,
Defense Minerals Exploration Admin.
R. 107 Howard Street,
Spokane 4, Washington

Re: Docket No. DMEA-2874-12.
I. G. Irving & R. H. Nelson
Plutus Mine (Contract Idr-04)
Silver Bow County, Montana

Dear Al:

This will serve as a monthly report on the captioned contract. We have started the raise allowed on the Plutus 200 level, on the Plutus Vein. The raise is already up six feet and they are putting in the chute this afternoon. The results are gratifying so far, and the material being obtained from a vein about three feet wide is a mixture of oxide and carbonate and may go for low grade oxide ore. Before starting the raise we drifted ahead (on our own) about twelve feet further and stopped when the vein became narrow. As mentioned previously, the whole Plutus exploration, to date, has been pretty disappointing, but this raise which we intend to send up the fifty feet allowed will tell more of the story.

Regarding our Norwich Hangingwall Vein application, we are still very anxious to go ahead with that project and will do so, if granted with the changes requested in our last letter, and we will put the mine on a double shift basis to get the work done. If there is any news on this application, please advise.

Sincerely yours,

/s/ Joe
I. G. Irving

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

RECEIVED FEB 5 1954

Month of January, 1954 Docket No. DMEA 2874 Contract No. Idm-E-604
Operator's Name Irving G. Irving & Robert H. Nelson, Minerals manganese
Address 43 Hirbour Bldg., Butte, Montana
Contract Amount, $ 25,830.00 Government Participation: 75 % Amount, $ 19,372.50

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling Shaft Rehab.					1277.50	1277.50
Bulldozing Std. Cutting					1106.70	1106.70
Crosscutting						
Drifting 25.0'	34.00 850.00	2067.20	2917.20	850.00	2067.20	2917.20
Timbering Pr.	5.00 125.00	281.50	406.50	125.00	281.50	406.50
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis *	11.00	0.00	11.00	11.00	-0-	11.00
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	986.00	2348.70	3334.70	986.00	4732.90	5718.90

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

Date 1/31/54 *Payee Irving G. Irving and Robert H. Nelson, Partners,

Per [signature] Title Partner

*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:

$ 739.50

Signature [signature]
(Authorized Certifying Officer)

Date 2/2/54 Vou. No. 1072
(See other side)

* Nine samples were taken (see sketch) all were assayed for manganese, and two for silver.

(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. E604 in accordance with the terms of the contract.

Signature (S) John D Bardill Title Metallurgist Date 7/2/54

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature (S) Stephen Zoldak Title Mining Eng. Date 7/2/54

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-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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
FEB - 3 1954

Month of January 1954 Docket No. DMEA 2374 Contract No. IGM-E-604
Operator's Name Irving G. Irving & Robert H. Nelson Minerals Manganese
Address 43 Hirbour Bldg., Butte, Montana

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting	foot	$850.00	25.0'	$2917.20	85.8'	$34.00	470'	$34.00
~~Cross-cutting~~ Timber Dr.	"	125.00	25.0'	406.50	81.3'	5.00	470'	5.00
Raising								
Shafts ~~X~~ Repair	"	none	none	1277.50	36.5'	35.00	56'	35.00
~~Winzes~~ XXXX Sta. Cutting cu. ft.	"		"	1106.70	892.5'	1.24	1300	1.24
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Assaying	~~one~~ assay	11.00	9	11.00	9	1.22	249	2.00
TOTAL DISTRIBUTED COSTS		$986.00	---	$5718.90				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		$986.00	--	$5718.90				$25,830.00

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.

Irving G. Irving and
Robt. H. Nelson, Partners

Date 1/31/54 Operator

Per Irving G. Irving Title Partner

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
FEB - 5 1954

January 31, 1954

NARRATIVE REPORT

Plutus Mine, Butte, Montana
(Exploration Project---DMEA # 2874--Contract # Idm-E-604)
Irving G. Irving & Robert H. Nelson

January -1954--Progress Report

During the month of January, 1954, work on the above contract consisted of 25.0 feet of drifting (with timber) easterly on the Plutus Vein on the so-called 400 level, which is actually 275 feet below the collar, off the Plutus shaft.

More advance was contemplated, but the crew assigned to this work had to be put on the 300 level for necessary stope preparation, for urgent production reasons. Progress during February is expected to be greater. As a matter of fact, with the property rapidly nearing the end of other development work, and the steady production that is expected to follow, time and men will be available for this and the other DMEA contract applied for.

The vein, at the start of this drifting, was approximately five feet wide, but contained only a narrow streak (6") of rhodochrosite, within a well mineralized structure. As drifting progressed (see sketch) this rich streak widened and at 18' it attained a width of 1.5' and assayed 23.8% manganese. The next seven feet of advance saw this high-grade streak narrow again to only four to six inches. This lay in the footwall and was contained in a face that is progressively showing more mineralization, in the form of stringers and blebs of manganese carbonate, between strong clay walls, comprising a structure that is still five feet or more in width.

As a glance at the longitudinal section (which accompanied a previous report) will show, the indicated rake of the ore shoot is such that ore ~~xxx~~ is expected to be encountered in this work within the next twenty or thirty feet.

Respectfully submitted,

I. G. Irving

I. G. Irving

COPY

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.

RECEIVED
JAN 18 1954

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of December, 1953 Docket No. DMEA 2874 Contract No. Pdm-E-604
Operator's Name Irving G. Irving & Robert H. Nelson Minerals Manganese
Address 43 Hirbour Bldg., Butte, Montana
Contract Amount, $25,830.00 Government Participation: 75 % Amount, $19,372.50

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling						
~~xxxx~~ Shaft Repr. *	$1277.50	none	$1277.50			
Bulldozing						
Cross cutting						
1.24 ~~xxxxx~~ Sta. cutting **	1115.62	none	$1115.62	1106.70		
Drifting	0.00	$2067.20	$2067.20			
Timbering drift	0.00	$ 281.50	$ 281.50			
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	$2393.12	$2348.70	$4741.82	2384.20	2348.70	4732.90

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

Date 1/9/54 *Payee Irving G. Irving and Robert H. Nelson, Partners

Per Irving G. Irving Title Partner

*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:

$1788.15

Signature [illegible]
(Authorized Certifying Officer)

Date 1/13/54 Vou. No. 1042
(See other side)

** Modification agreement allowed --substituting shaft repair for raising @$35.00/ft, and station cutting(deducted from raise money)@$1.25 cu/ft.

(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 604 in accordance with the terms of the contract.

Signature /S/ John D Bardill Title Metallurgist Date Jan 13 1954

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature /S/ Stephen W Zoldak Title Mining Engr Date Jan 13-1954

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

Minerals Administration
RECEIVED
JAN 18 1954

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of December 1953 Docket No. DMEA 2874 Contract No. Idm-E-604
Operator's Name Irving G. Irving and Robert H. Nelson, Minerals Manganese
Address 43 Hirbour Bldg., Butte, Montana

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting	foot	0.00	none	$2067.20	60.8'	$34.00	470	$34.00
~~xxxxx~~ting Timbering	"	0.00	"	281.50	56.3'	5.00	470	5.00
* Raising shaft repr.	"	$1277.50	36.5'	1277.50	36.5'	35.00	200*	35.00
Shafts								
** ~~xxxx~~ Station cutting	cu.ft	1115.62	892.5	1115.62	892.5	$1.25	**	1.25
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		$2393.12	see above	$4741.82				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		$2393.12	"	$4741.82				$25,830.00

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

Date 1/9/54 Operator Irving G. Irving and Robt. H. Nelson, Partners

Per Irving G. Irving Title Partner

→ 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: * Modified agreement allowed, wherein shaft repair is substituted for raising at $35.00/ft.
** Modified agreement allowed, wherein station cutting @$1.25 per cu. ft. is allowed and this money to be deducted from raise money previously allowed in original contract.

(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

Minerals Administration
RECEIVED
JAN 18 1954

NARRATIVE REPORT January 9, 1954

Plutus Mine, Butte, Montana
(Exploration Project; DMEA # 2874; Contract Idm-E-604)
I. G. Irving and Robert H. Nelson

During the month of December, 1953, the work on the above contract consisted of repairing 36½ feet of shaft and cutting a new station on what is called (for signal reasons) the 400 level, of the Plutus Mine, but is actually a level cut at a point 275 feet below the collar of the shaft. This work was done preparatory to drifting easterly on the Plutus Vein on this new horizon, in place of the drifting to the east, originally contemplated in the contract on the 200 level---275 feet vertically above.

The reasons for this modification of the contract were set out in a recent letter to Mr. Weissenborn, of the Spokane office, and gone over in detail with Mr. Kiilsgaard. To reiterate, however, the east face on the 200 level was in waste, and the ore had become oxide, and bulldozing had shown poor exposures on the surface above. It was also evident, as shown on a long section accompanying this letter, that the ore disclosed to the west of the shaft, on the 200 level, had a probable rake downward to the east. If this turns out to be the case the present drifting on the 275 level should encounter ore some 20 to 30 feet east of the station. An advance of eight feet, already made since the first of the year, has already shown some improvement.

The vein was cut about ten feet south of the shaft, and while a strong structure was exposed, it was not ore. See Sketch Map attached. As stated above, the drifting now in progress is expected to reveal ore soon.

While the original contract did not call for any shaft repair, permission to do this and substitute some of the raising allowed (at $35.00 a foot) was granted. An allowance on a cubic foot bais, for station cutting was also given. Actually the station was made small (7.0' x 8.5' x 15.0') and the cubic footage amounted to 892.5 cubic feet.

This additional work, it is understood, does not increase the amount of the contract, but is to be deducted from the amount allowed for raising in the original contract.

See map attached for details of the geology and attached Forms 104 and 104 a, for the cost of the work, at the price we have been informed has been allowed.

Respectfully submitted,

I. G. Irving

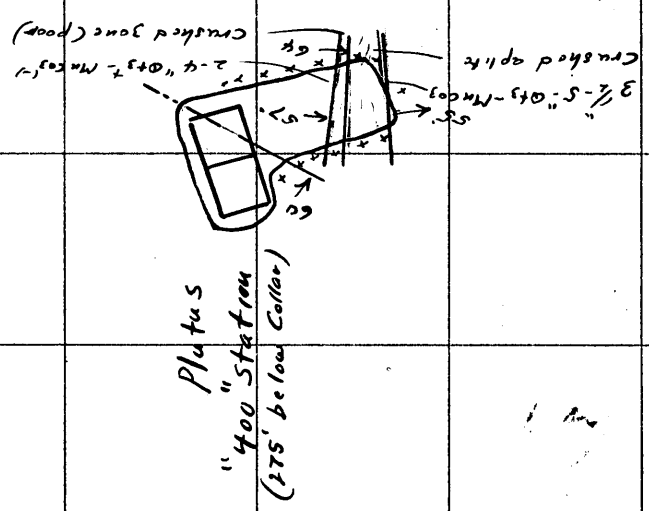
I. G. Irving

COPY

PLUTUS MINE
(Manganese)
Butte, Silver Bow County, Montana
"400" Level
(actually 275' below Collar)
1" - 20'

DMEA No. 2874--Contract Idm-E-604
Irving G. Irving
and
Robert H. Nelson

N



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

Budget Bureau No. 42-R1086.4
Approval expires 6-30-53

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

1953

Month of November 1953 Docket No. DMEA # 2874 Contract No. Idm-E-604

Operator's Name Irving G. Irving & Robert H. Nelson Minerals Manganese

Address 43 Hirbour Bldg., Butte, Montana

Contract Amount, $ 25,830.00 Government Participation: 75 % Amount, $ 19,372.50

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling						
Bulldozing						
Crosscutting 27.8' @$34.00	$945.20	$1,122.00	$2,067.20			
Drifting 35.3' @ $5.00 Timbering	176.50	105.00	281.50			
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	$1,121.70	$1227.00	$2348.70	1121.70	1227.00	2348.70

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

Date 11/30/53 *Payee Irving G. Irving & Robert H. Nelson, Partners.

Per Irving G. Irving Title Partner.

*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:

$ 841.28

Signature (Authorized Certifying Officer)

Date 12/2/53 Vou. No. 994

(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. E604 in accordance with the terms of the contract.

Signature /S/ John D. Bardill Title Metallurgist Date Dec. 1-1953

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature /S/ Thomas E. Howard Title Mining Eng. Date Dec. 4-1953

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-R1151.1
Approval expires 6-30-53

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of November 1953 Docket No. DMEA 2874 Contract No. Idm-E-604

Operator's Name Irving G. Irving & Robert H. Nelson Minerals Manganese

Address 43 Hirbour Bldg., Butte, Montana.

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting	ft.	$945.20	27.8'	$2067.20	60.8'	$34.00	470	$34.00
Timbering drift	"	176.50	35.3'	281.50	56.3'	5.00	470	5.00
Crosscutting								
Raising								
Shafts								
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		$1121.70	27.8 & 35.3	$2348.70				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		$1121.70	"	$2348.70				$25830.00

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 11/30/53 Operator Irving G. Irving and Robert H. Nelson, Partners

Per Irving G. Irving Title Partner

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

NARRATIVE REPORT November 30, 1953

Plutus Mine, Butte, Montana
(Exploration Project, Contract No. Idm-E-604)
DMEA # 2874
(Irving G. Irving & Robert H. Nelson)

Exploration work on the captioned DMEA project, and contract, continued during the month of November, 1953.

At the end of the previous month, the drift west had encountered strike-faulted, low grade material. An additional advance of only 11.4 feet was made in this heavy ground, and in addition the timber was brought up to within a foot or so of the face. This required putting in timber for a linear distance of 21'. The ground above the drift sets had to be cribbed and blocked tightly, to prevent further sloughing.

The face of the west drift (see map) is still in strike-faulted, and narrow, low grade material. Ahead, on the surface, however, is the soecalled 20-foot shaft which shows near its bottom about 3.6 feet of material averaing 16.3% manganese. While this material is oxide, and not ore as such, at that grade, it is hoped that material as good, or somewhat better, is encountered in the carbonate zone, which would be ore.

Work was stopped temporarily in this heading, during the month, to get a stope started (for much-needed production) about 100 feet back of the face, in what was hoped to be minable carbonate ore of fair grade. At several place the material in the back of this stope, on the first floor, turned to oxide and lower grade. Continuation of the west drift, next month, is planned.

The east face, on the 200 level, was started during the month and advanced 16.4 feet, with 14.3 feet of it timbered. This face started in relatively low-grade carbonate ore, but quickly deteriorated into a narrow, low-grade oxidized vein. The present face shows no minable ore on the structure.

Bulldozing ahead, to the east, on the surface (done after our application was submitted) reveals only very lean vein. For this reason, and in combination with the lean face below, it is thought that a modification of our contract, to allow this easterly drifting to be done at a lower horizon (see indicated rake to oreshoot on maps accompanying this report) would be definitely to the advantage of not only the operators, but also the government.

The matter mentioned in the paragraph above will be taken up in my forthcoming early visit to Spokane.

During the month, the stoping produced the following:

Lot #13---31.0LDT---16.1%Mn--0.9oz Ag.
Lot #14---34.6LDT---12.0%Mn--0.6oz Ag
Lot #15---35.2LDT---17.7%Mn--0.9oz Ag

COPY

Respectfully submitted,

I. G. Irving, Mgr.

Form MF-104 (Rev.)
(Aug. 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 October, 1953 Docket No. DMEA 2874 Contract No. Idm-E-604
Operator's Name Irving G. Irving & Robt. H. Nelson Minerals manganese
Address 43 Hirbour Bldg., Butte, Montana
Contract Amount, $25,830.00 Government Participation: 75 % Amount, $ 19,372.50

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling						
Bulldozing						
Crosscutting						
Drifting 33' @ $34.00	$1122.00	0.0	$1122.00			
Timbering 21' @ $5.00 per foot	105.00	0.00	105.00			
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	$1227.00	0.00	$1227.00	1227.00	—0—	1227.00

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

Date 11/2/53 *Payee Irving G. Irving and Robert H. Nelson, Partners

Per Irving G. Irving Title Partner

*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:

$ 920.25

Signature [illegible]
(Authorized Certifying Officer)

Date 11/14/53 Vou. No. 962
(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. E 604 in accordance with the terms of the contract.

Signature /S/ John D Bordell Title Metallurgist Date Nov 5-53

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature /S/ Thomas E Howard Title Mining Engr Date 11-5-53

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

GPO 83-38476

Form MP-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
NOV 30 1953

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of October 1953 Docket No. DMEA 2874 Contract No. Idm-E-604
Operator's Name Irving G. Irving & Robt. H. Nelson Minerals manganese
Address 43 Hirbour Bldg., Butte, Montana

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting	foot	$1122.00	33'	$1122.00	33'	$34.00	470	$34.00
~~Xcavating~~ Timbering drift	"	105.00	21'	105.00	21'	5.00	470	5.00
Raising								
Shafts								
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		$1227.00	33' & 21'	$1227.00				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		$1227.00	"	$1227.00				$25,830.00

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 11/2/53 Operator Irving G. Irving & Robt. H. Nelson, Partners

Per Irving G. Irving Title Partner

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

NARRATIVE REPORT

November 2, 1953

Plutus Mine, Butte, Mont.
Exploration Project Contract---No. Idm-E-604
DMEA # 2874
(Irving G. Irving & Robt. H. Nelson)

Exploration work on the captioned DMEA project(and contract) got under way on October 2, 1953. The contract, as will be remembered, involves 270 feet of drifting to the west, 200 feet of drifting to the east and 200 feet of raising on the Plutus Vein, on the 200 level.

It was decided to drift west first and the work was started on a face that showed fair ore.

A total advance of 33 feet was achieved---21 feet of which was timbered. From the appearance of the ground, and the strong vein structure with attendant heavy clays, it is expected that the entire drift, throughout the contract will require timber.

The advance was relatively small, during the month, because the work had to be interrupted to get a raise started--about 80 feet back of the present face--for production purposes.

As will be seen on the accompanying Geologic and Assay Plan Map, a strong vein structure is being developed. The first two rounds produced ore of good grade and the material was used to start a shipment, designated as Plutus Lot 12. The remaining advance was in lower grade material, however, which when added to the shipment brought the grade of the final lot down considerably. It contained sufficient manganese, however, to be classified as development ore and the approximately 120 LDT produced averaged 11.3% Mn. The calcium and magnesium credit, allowed in the purchase schedule, has the effect of raising material of this grade to approximately 12.5%, which is acceptable at the depot and will return about six dollars and fifty cents a ton.

A cut sample taken at 27 feet showed 4.0 feet of 8.1% Mn in a very strong vein structure.

On the surface, about 80 feet ahead of this face, is the so-called "Twenty-Foot-Shaft" which reveals about four feet of ore containing about 17.0% Mn. For this and other reasons it is expected that the drift will come into commercial ore again, in a short distance.

The advance in the west drift is being continued, and it is planned to start the drift east in a few days.

Respectfully submitted,

I. G. Irving

I. G. Irving

COPY

TERIOR
ATION

Frank E. Johnson

Acting Director

NTBeln/gle
cc to: Mr.
Frank
Frank
Harold
Cameron
Mr. Fla
Dodge
Green

CERTIFICATION BY THE UNITED STATES OF AMERICA
OF A DISCOVERY OR DEVELOPMENT
AN EXPLORATION PROJECT CONTRACT

To: Irving G. Irving and
Robert H. Nelson
Kirbour Building
Butte, Montana

Pursuant to the provisions of Exploration Project Contract No. Idm-E604, executed September 21, 1953 (Docket No. DMKA-2874), as amended, hereinafter called the "Contract", between Irving G. Irving and Robert H. Nelson, a partnership, and the United States of America, hereinafter called the "Government"; to establish and fix the Government's percentage royalty and its lien therefor and on the land described in the contract, the Government considers and therefore certifies that a discovery or development from which production may be made has resulted from the exploration.

The nature of said discovery or development is described broadly or indicated as follows:

Drifting on the Plutus 200-, 250-, and 275-foot levels, and raising from the Plutus 200-foot level have indicated a substantial quantity of manganese, occurring as manganese oxides and carbonate with small amounts of lead and zinc, in northeasterly to easterly trending quartz-bearing veins in granite or quartz-monzonite and aplite.

THE UNITED STATES OF AMERICA

Dated: AUG 9 - 1956 By C O Mitteudorf
Administrator, Defense Minerals
Exploration Administration

cc: Docket
Code 110
Code 400
Code 800
Oper. Committee
Adm. Read. File
R. W. Geehan, USBM
H. T. Reno, USBM
T. Kiilsgaard, USGS

cc: FT, Reg. I-NW Dist.
C. A. Fredell, RPS, GSA
Anaconda Co.
Nat'l Bank of Commerce of Seattle
Finance Office

SPHolt/ls 8/6/56

AIR MAIL

AUG 1956

Messrs. Irving G. Irving
and Robert N. Nelson
Hirbour Building
Butte, Montana

Re: Docket No. DMEA-2874, Manganese
Plutus Mine
Silver Bow County, Montana
Contract No. Idm-2604

Gentlemen:

Transmitted herewith is a certification of discovery or development issued under the subject contract, which was executed September 21, 1953.

By the terms of the Exploration Project Contract, as amended, and of the certification, all production from the lands described in the referenced contract from the date of the Exploration Project Contract is subject to the Government's percentage royalty as set forth in the contract until the sum of $17,393.03 is paid, or until September 21, 1964, whichever occurs first.

You should continue making royalty payments, as you have been doing, to Mr. A. E. Weissenborn, Executive Officer, DMEA Field Team, Region I, Northwest District, South 157 Howard Street, Spokane 4, Washington. Checks should be made to the Defense Minerals Exploration Administration. The purchaser should be advised to deduct royalties from the amount due on each shipment and forward check direct to the Executive Officer. Royalty payments to the Government should be accompanied by suitable evidence, such as copies of settlement sheets, showing quantity and grade of the products sold, the name of the purchaser, and the charge certified to be correct by the purchaser.

You are requested to notify Mr. Weissenborn of any changes in ownership or production rights that might have any effect on the Government's rights to its percentage royalty. Also, if production ceases at any time for an extended period, please notify Mr. Weissenborn at 6-month intervals that no production has been made, when that is the case.

Sincerely yours,

C. O. Mittendorf

Administrator

SPHolt/ls
8/6/56

Enclosure

cc: FT, Butte
Clarence Cook
Anaconda Co.
Nat'l Bank of

cc: Oper. Committee
Adm. Read. File
R. W. Geehan, USBM
H. T. Reno, USBM
Thor Kilsgaard, USGS

cc: Docket
Code 110
Code 400
Code 800

National Bank of Commerce of Seattle
Second Avenue at Spring Street
Seattle 1, Washington

Re: Docket No. DMEA-2874, Manganese
Irving and Nelson
Plutus Mine
Silver Bow County, Montana
Contract No. Idm-E604

Gentlemen:

Transmitted herewith for your information is a copy of the certification of discovery or development issued as a result of the exploration program under the above-referenced contract. The property as set forth in the contract was leased to Irving G. Irving by the Anaconda Copper Mining Company and the National Bank of Commerce of Seattle, Trustee for the Thomas Meire Trust, under a certain indenture dated July 22, 1952.

Also enclosed is a copy of a letter to Messrs. Irving G. Irving and Robert H. Nelson.

Sincerely yours,

G. O. Mittendorf

Administrator

Enclosures

cc: Docket
Code 400
Code 110
Code800
Oper. Committee
Adm. Read. File
FT, Region I-NW Dist.
T. Kiilsgaard, USGS
R. W. Geehan, USBM
H. T. Reno, USBM

SFHolt/ls
8/6/56

400

The Anaconda Company
Hennessy Building
Butte, Montana

Re: Docket No. DMEA-2074, Manganese
Irving and Nelson
Plutus Mine
Silver Bow County, Montana
Contract No. I[redacted]604

Attention: Mr. F. A. Linforth
Assistant to the Vice
President

Gentlemen:

Transmitted herewith for your information is a copy of the certification of discovery or development issued as a result of the exploration program under the above-referenced contract. The property as set forth in the contract was leased to Irving G. Irving by the Anaconda Copper Mining Company and the National Bank of Commerce of Seattle, Trustee for the Thomas Heirs Trust, under a certain indenture dated July 22, 1952.

Also enclosed is a copy of a letter to Messrs. Irving G. Irving and Robert H. Nelson.

Sincerely yours,

G. O. Mittendorf

Administrator

Enclosures

cc: Docket
Code 400
Code 110
Code 800
Oper. Comm.
Adm. Read. File
R. W. Geehan, USBM
H. T. Reno, USBM
T. Kiilsgaard, USGS
FT, Reg. I-NW Dist.

SPHolt/ls 8/7/56

400

Code 800

AUG - 9 1956

Mr. Clarence A. Fredell, Acting Director
Materials Division
Emergency Procurement Service
General Services Administration
Washington 25, D. C.

Re: Docket No. DMEA-2874, Manganese
Irving and Nelson
Plutus Mine
Silver Bow County, Montana
Contract No. Idm-2604

Dear Mr. Fredell:

Enclosed is a copy of a certification of discovery or development issued under the subject contract.

Contract No. Idm-2604 for the exploration of the Plutus mine manganese deposits was executed September 21, 1953. Expenditures up to $25,830.00 were authorized by the contract, of which the Government's share at 75 percent was $19,372.50. The cost of the work completed was $23,190.70, of which the Government's share at 75 percent was $17,393.03.

The object of the exploration program was to test the possible manganese occurrences along a quartz-bearing vein in granite or quartz monzonite and aplite. The program employed drifting and raising along and within the vein to explore the mineralized zone.

The contract, as amended, allowed $25,830.00 to unwater and rehabilitate 56 feet of shaft, excavate 1,300 cubic feet of shaft station-crosscut, drift 470 feet, timber 470 feet of drift, raise 80 feet, pump 150 days, and assay 249 samples for manganese.

Work completed comprised 36.5 feet of shaft rehabilitation, 892.5 cubic feet of shaft station excavation, 467 feet of drifting, 454.9 feet of drift timbering, 72 feet of raising, and assaying 67 samples for manganese.

A preliminary approximation of reserves of manganese ore discovered by project work is 2,000 tons of indicated ore, grade not stated, in addition to about 1,800 long tons of ore, reported by the operator to average 16 percent manganese, which was produced during the course of the project. A formal estimate of ore reserves will be submitted when the Final Report of the Field Team is received.

Sincerely yours,

C. O. Mittendorf

Administrator

Enclosure

cc: Docket
Code 400
Code 800
Code 110

cc: Oper. Comm.
Adm. Read. File
R. W. Geehan, USBM

cc: T. Kilgarif, USBM
H. T. Reno, USBM
FT, Reg. I-NW Dist.

SPHolt/ls
8/6/56

400

AUG - 9 1956

Mr. A. E. Weissenborn, Executive Officer
DMEA Field Team, Region I, N. W. District
South 157 Howard Street
Spokane 4, Washington

Re: Docket No. DMEA-2874, Manganese
Irving and Nelson
Plutus Mine
Silver Bow County, Montana
Contract No. Idm-8604

Dear Mr. Weissenborn:

Enclosed are copies of a certification of discovery or development for the above-referenced property, and of related correspondence.

Sincerely yours,

W. S. Martin

ACTING Chairman, Operating Committee

Enclosures

APPROVED:

FRANK D. LAMB

Member, Bureau of Mines

N. E. Nelson

Member, Geological Survey

cc: Docket
Code 400
Oper. Committee
Adm. Read. File
Code 110
Code 800
R. W. Geehan, USBM
H. T. Reno, USBM
Thor Kiilsgaard, USGS
FT, Reg. I-NW Dist.

SPHolt/ls

8/6/56

Audit copy

800

TERMINATION AGREEMENT

It is agreed this 22nd day of November, 1957, between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, hereinafter called the "Government" and Umont Mining, Inc. (Assignee), hereinafter called the "Operator," parties to that certain Amended Exploration Project Contract No. Idm-E604 (Docket No. DMEA 2874), executed September 19, 1956, as amended, hereinafter referred to as the "Contract," that:

1. Effective August 31, 1957, the Contract and all obligations of the parties thereunder, except as otherwise herein expressly provided, shall be and are hereby terminated.

2. The Government shall contribute only to the fixed unit costs of work performed prior to September 1, 1957.

3. The Operator shall promptly perform all winding up and settlement actions provided for in the Contract, including the rendering of the final report and final account.

4. The Certification of Discovery or Development heretofore issued under the Prior Contract, together with all rights of the Government respecting percentage royalty and liens to secure the payment thereof, reports (including preservation of Operator's records), accounts, audits, and the right to recover any overpayment are hereby preserved.

5. The Operator hereby releases and agrees to save the Government harmless from all claims or demands under or arising out of said Contract except as otherwise provided for in this Termination Agreement.

IN WITNESS WHEREOF, these parties have executed this agreement as of the day and year first above written.

UMONT MINING, INC.

By L. P. Evans, Jr.

Title President

THE UNITED STATES OF AMERICA

By C. Mittenburg

Administrator, Defense Minerals Exploration Administration

ORDpuch.

EXTRA COPY
D M E A
RECEIVED SEP 1957

DATE		CODE
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So. 157 Howard Street
Spokane 4, Washington

September 23, 1957

Mr. Robert Garwood, Geologist
Uwant Mining, Inc.
Norwich Mine Division
P. O. Box 727
Butte, Montana

Re: Work Authorization
Docket No. DMEA-2874 (Manganese)
Plutus and Norwich claims
Silver Bow County, Montana
Amended Contract No. Ida-2604

Dear Mr. Garwood:

This is in reference to your telephone conversation of this morning with A. E. Weissenborn, D. R. MacLaren, W. C. Prinz, and J. A. Bowsher regarding a diamond drill hole (#4) south from the Norwich 400-foot level. Your proposal to intersect the Plutus vein by drilling a flat hole from the east face, S. 20° E. approximately 200 feet is in accordance with the contract and you are hereby authorized to proceed with this work. This hole will take the place of the two holes mentioned in the last paragraph of Dooley P. Wheeler's letter to Wilbur Criswell dated September 5, 1957.

By Field Team, Region I

A. E. Weissenborn, Exec. Officer
U. S. Geological Survey

Thomas E. Howard, Acting Member
U. S. Bureau of Mines

cc: DMEA (3)
USBM (2)
USBM (AD)
Prinz

Audit Copy

OFFICIAL FILE COPY
DMEA
RECEIVED
DATE
CODE
800

AMENDED EXPLORATION PROJECT CONTRACT
UMONT MINING, INC. (ASSIGNEE)
DOCKET NO. DMEA-2874

AMENDMENT NO. 2

It is agreed this 21st day of June, 1957, between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, and Umont Mining, Inc., (Assignee), that Amended Exploration Project Contract No. Idm-E604, (Docket No. DMEA-2874), executed September 19, 1956, as amended, is further amended, effective as of that date, as follows:

1. In Amendment No. 1, in paragraph 2(a) the following is added as a footnote:

"When difficult operating conditions necessitate, EX drilling may be done in lieu of AX drilling, with Government approval and with a corresponding adjustment in cost"

2. In Amendment No. 1, paragraph 2 (b) is revised to read:

"Under the 'Estimated Cost of the Project,' the the following is added:

'Diamond drill approximately 500 feet at a total cost not to exceed $2,500.00
AX or larger size at $5.00/ft.
EX size at $4.75/ft.
The unit cost includes cementing and redrilling and/or reaming and casing.'"

This amendment shall not be construed to increase the total estimated cost of the project, the aggregate amount which the Government may be required to contribute, nor the agreed unit cost of any item of work.

Executed in sextuplicate the day and year first above written.

THE UNITED STATES OF AMERICA

By C O Mittleuder
Administrator, Defense Minerals
Exploration Administration

UMONT MINING, INC.

By Dudley P. Wheeler Jr.

Title General Manager

DMEA Form 14

Contract No. Idm-E 604

Docket No. 2874

DEPARTMENT OF THE INTERIOR

Executed amendment

DEFENSE MINERALS EXPLORATION ADMINISTRATION

Obligation Document

TO: Chief, Finance Section, Budget and Finance Branch, Bureau of Mines

Please make the following entry on the records of the Defense Minerals Exploration Administration under the Strategic and Critical Minerals Exploration Program.

Date of Contract	Region	State	Commodity
September 21, 1953	I NW	Montana	Manganese

Name and Address of Operator: Umont Mining, Inc.
84 Hirbour Building
Butte, Montana

	Reserve	Obligation
Prior Amount	$1875.00	$79,508.00
Increase	0	1,875.00
Decrease	$1,875.00	0
Revised Amount	0	$81,383.00

Remarks:

ALLEN S. DAKAN

(Name)

Allen S. Dakan, Chief
Operations Control and
Statistics Division

(Title)

Date Delivered to Bureau of Mines, Washington 6/11/57

16416

Audit Copy

OFFICIAL FILE COPY
DMEA
RECEIVED JUN 10 1957

DATE	[illegible]	CODE
6/10	13	215

AMENDED EXPLORATION PROJECT CONTRACT
UMONT MINING, INC., (Assignee)
DOCKET NO. DMEA-2874

AMENDMENT NO. 1

It is agreed this 1st day of March, 1957, between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, and Umont Mining, Inc., Assignee, that Amended Exploration Project Contract No. Idm-2604 (Docket No. DMEA-2874), dated September 21, 1953, is amended, effective as of the effective date of the amended contract, as follows:

1. In Article 1 of the Amended Contract the estimated total cost of the project is increased from $106,010.70 to $108,510.70 and the amount of Government participation at 75 percent is increased from $79,508.00 (rounded) to not to exceed $81,383.00 (rounded).

2. In Exhibit "A":

(a) Under the "Description of the Work", not to exceed an aggregate of 500 feet of diamond drilling work (AX minimum size) is added to the work to be performed under the Amended Contract, as follows:

From the present face of the 400 level east drift (approximately 235 feet east of the 400 level crosscut from the Plutus shaft) drill one hole approximately N. 45 degrees E. (approximately horizontal with the drift) for about 100 feet to explore for en echelon parts of the vein.

At approximately 100-foot intervals, as the 400 level east drift is advanced beyond its present face, similar holes may be drilled to check for en echelon parts of the vein. In drilling such holes, a 2-inch pipe with a valve shall be set securely to permit control of any large water flow.

Mineralized zones shall be sampled and assayed for manganese.

(b) Under the "Estimated Cost of the Project", the following item is added:

Diamond drill 500 feet @ $5.00/ft.
The unit cost includes, cementing, redrilling, reaming and casing. $ 2,500.00

(c) The "Summary" at the end of Exhibit "A" is revised to read as follows:

SUMMARY

Cost of Stage I, as audited	$23,190.70	
Estimated Cost of Stage II	39,740.00	
Estimated Cost of Stage III	43,080.00	
Estimated Cost of 500 feet of additional diamond drilling	2,500.00	
Estimated total cost of the project		$108,510.70
Government participation @ 75% (rounded)		81,383.00

* * * * * * * *

Executed in sextuplicate the day and year first above written.

UNITED STATES OF AMERICA

By C. Mitteudorf
Administrator, Defense Minerals
Exploration Administration

UMONT MINING, INC.

By Dorsey P. Wheeler Jr.

Title General Manager

Contr[redacted]o. Idm-E 604

Docket No. 2874

DEPARTMENT OF THE INTERIOR

Approved amendment

DEFENSE MINERALS EXPLORATION ADMINISTRATION

TO: Chief, Finance Section, Budget and Finance Branch, Bureau of Mines

Please make the following entry on the records of the Defense Minerals Exploration Administration under the Strategic and Critical Minerals Exploration Program.

Date of Contract	Region	State	Commodity
September 21, 1953	I MW	Montana	Mongenese

Name and Address of Operator: Umont Mining, Inc.
84 Hirbour Building
Butte, Montana

	Reserve	Obligation
Prior Amount	0	$79,508.00
Increase	$1,875.00	0
Decrease	0	0
Revised Amount	$1,875.00	$79,508.00

Remarks:

ALLEN S. DAKAN
(Name)
Allen S. Dakan, Chief
Operations Control and
Statistics Division
(Title)

Date Delivered to Bureau of Mines, Washington 3/1/57

989[illegible]

Government's copy

ASSIGNMENT OF CONTRACT

WHEREAS, Irving G. Irving and Robert E. Nelson, a partnership, (hereinafter called the "Assignor"), entered into Amended Exploration Project Contract Idm-E604 (Docket No. DMEA-2874), executed September 19, 1956 (hereinafter called the "Contract"); and

WHEREAS, Umont Mining, Inc., a State of Vermont corporation, whose principal place of business is King Street Dock, Burlington, Vermont (hereinafter called the "Assignee"); has acquired the right to possession of the land which is the subject of the Contract, and the Assignee desires to complete the work under the Contract; and

WHEREAS, the Government has made a certification of discovery or development;

NOW THEREFORE, the Assignor, in consideration of the sum of One Dollar ($1.00) and other good and valuable consideration received from the Assignee does hereby assign, transfer, and convey to the Assignee all of its right, title, and interest in the Contract: Provided, That the Government shall make payment to the Assignee for all work performed under the Amended Contract.

The Assignor consents to all future amendments (including a Termination Agreement) and assignments of the Contract and waives notice thereof.

This Assignment is subject to the execution by the Assignee of the acceptance form set forth below and to the written consent of the Government.

Dated this 26th day of September, 1956.

IRVING AND NELSON

By Irving G. Irving /Seal/
Irving G. Irving (Partner)

By Robert E. Nelson /Seal/
Robert E. Nelson (Partner)

ASSIGNEE'S ACCEPTANCE

The Assignee, Umont Mining, Inc., hereby accepts the above Assignment and agrees to be bound by the terms, provisions, and

conditions of the Contract.

Dated this 28th day of September, 1956.

UMONT MINING, INC.

By Lewis P. Evans Jr.
President

I, Richard H. Wadhams, certify that I am the -- secretary of the corporation named herein; that Lewis P. Evans, Jr. who signed this instrument on behalf of the corporation, was then President of said corporation; that said instrument was duly signed for and in behalf of said corporation by authority of its governing body, and is within the scope of its corporate powers.

Richard H Wadhams /Corporate Seal/
Secretary

GOVERNMENT'S CONSENT

The Government, this 3d day of October, 1956, hereby consents to the above Assignment without releasing the Assignor, Irving and Nelson, from any of the terms, provisions, and conditions of the Contract, or any amendment (including a Termination Agreement) or assignment thereof.

THE UNITED STATES OF AMERICA

By O O Mittendorf
Administrator, Defense Minerals
Exploration Administration

DMEA Form 14

Contract No. Idm-E 604

Docket No. 2874

DEPARTMENT OF THE INTERIOR

Terminated contract

DEFENSE MINERALS EXPLORATION ADMINISTRATION

Obligation Document

TO: Chief, Finance Section, Budget and Finance Branch, Bureau of Mines

Please make the following entry on the records of the Defense Minerals Exploration Administration under the Strategic and Critical Minerals Exploration Program.

Date of Contract	Region	State	Commodity
September 21, 1953	I	Montana	Manganese

Name and Address of Operator: Umont Mining, Inc.
84 Hirbour Building
Butte, Montana

	Reserve	Obligation
Prior Amount	0	81,383.00
Increase	0	0
Decrease	0	36,870.61
Revised Amount	0	44,512.39

Remarks:

(Name)
Allen S. Daken, Chief
Operations Control and
Statistics Division
(Title)

Date delivered to Bureau of Mines, Washington 5/19/58

22845

Contract No. Idm-E604

Docket No. 2874

DEPARTMENT OF THE INTERIOR

Executed Amended Contract

DEFENSE MINERALS EXPLORATION ADMINISTRATION

TO: Chief, Finance Section, Budget and Finance Branch, Bureau of Mines

Please make the following entry on the records of the Defense Minerals Exploration Administration under the Strategic and Critical Minerals Exploration Program.

Date of Contract	Region	State	Commodity
September 21, 1953	I NW	Montana	Manganese

Name and Address of Operator: Irving G. Irving
84 Hirbour Building
Butte, Montana

	Reserve	Obligation
Prior Amount	0	$19,372.50
Increase	0	60,135.50
Decrease	0	0
Revised Amount	0	$79,508.00

Remarks:

(Name)
Allen S. Dakan, Chief
Operations Control and
Statistics Division
(Title)

Date Delivered to Bureau of Mines, Washington 9/26/56

98963

Government's copy

MF-200A
(Rev. April 1956)

RECEIVED
AUG 16 1956

UNITED STATES OF AMERICA
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
AMENDED
EXPLORATION PROJECT CONTRACT
(Short Form)

DMEA No.	*Commodity*	*Contract No.*	*County*	*State*
2874	Manganese	Idm-E 604	Silver Bow	Montana

It is agreed as of September 21, 1953, between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, hereinafter called the "Government," and Irving G. Irving and Robert H. Nelson, Partners

whose mailing address is 84 Hirbour Building
Butte, Montana
hereinafter called the "Operator," as follows:

ARTICLE 1. *Authority and project.*—(a) This contract is entered into under the authority of the Defense Production Act of 1950, as amended. It consists of this form (MF-200A), the attached Annex I (land description), Exhibit A (work and costs), and the maps and documents listed therein. The project work is a search for indicated or undeveloped deposits of the commodity designated above. The Operator shall ~~begin~~ resume the work on or before April 17, 1956, and, subject to the provisions of Article 7 and Exhibit A, shall complete the work within 51-1/3 months from the date of the contract. See Article 10.

(b) The description of the work and the fixed cost for each unit of work to be performed (per foot of drilling, per foot of drifting, per hour of operations, etc.) are hereby agreed upon as specified in Exhibit A. The estimated total cost of the project work is $106,010.70. The Government will contribute 75 percent of the fixed unit cost of the work performed, not exceeding $79,508.00 (rounded) in accordance with the provisions of Articles 4 and 5.

(c) The Operator shall not transfer or assign this contract or any right or obligation thereunder without the written consent of the Government.

ARTICLE 2. *Operator's property rights.*—(a) The Operator represents and undertakes that Annex I correctly describes the land which is the subject of this contract and the nature of the Operator's rights of property and possession therein (whether as owner, lessee, or otherwise), and that such right, title, or interest is subject only to the following claims, liens, or encumbrances: See Annex I.

(b) The Subordination Agreement of the holder of any claim, lien, or encumbrance listed above and (if the Operator does not hold the legal title) the Consent to Lien of any holder of the legal title of the land (lessor, seller, optionor, etc.) are attached, as follows: See Annex I.

(c) The Operator shall preserve and maintain his right, title, and interest in the land and his right to the possession thereof for the purposes of this contract, and shall devote the land and all existing improvements, facilities, buildings, installations, and appurtenances to the purposes of this contract. The Operator shall neither transfer, convey, nor surrender the land nor any right, title, or interest therein, nor permit nor suffer any claim, lien, or encumbrance thereon, without expressly referring to and providing

in the instrument of conveyance, lien, or encumbrance for the preservation of the Government's right to a percentage royalty on production and lien for the payment thereof. Two copies of such instrument shall be furnished to the Government. If the Government's rights to royalty as provided in Article 6 have been terminated, the provisions of this paragraph (c) shall become inapplicable.

ARTICLE 3. *Performance of the work.*—(a) Operator's responsibility.—The work shall be performed diligently, efficiently, expertly, in a workmanlike manner, and in accordance with good mining standards and State regulations governing health, safety, and liability insurance covering employment. The Operator shall provide suitable and adequate equipment, facilities, materials, supplies, and labor to complete the work, as specified in Article 1 (a).

(b) *Government may inspect.*—The Operator shall consult with and inform the Government on all phases of the work as it progresses. The Government may enter at all reasonable times to inspect the work under the contract, and also after certification of discovery or development, to inspect production operations and underground workings. The Operator shall provide the Government with all reasonable means of access for such inspections.

ARTICLE 4. *Contribution by the Government.*—The Government will make its contribution on the basis of the monthly vouchers referred to in Article 5 (b); but all payments by the Government are provisional only, subject to audit, and until the account between the Operator and the Government is finally audited and settled and the Operator's final report has been rendered, the Government may withhold such sums as it sees fit but not in excess of 10 percent of the estimated total cost of the work. To the extent that excesses over fixed unit costs or any excess over the estimated total cost may be necessary for the performance of the work, the Operator shall incur and pay such excesses for his own account without contribution by the Government. The Government will not contribute to the cost of any work performed prior to the date of this contract. The Government may make payments for the account of the Operator directly to independent contractors and suppliers rather than to the Operator.

ARTICLE 5. *Reports, accounts, audits.*—(a) Operator's records.—The Operator shall keep suitable records and accounts of the units of work performed and of any production in which the Government may have an interest; and shall preserve those with respect to work performed for at least three years after final payment by the Government, and those with respect to production for at least three years after any obligation to pay royalties to the Government has terminated. The Government may inspect and audit said records and accounts at any time, either by itself or by a certified public accountant. The Comptroller General of the United States or his representative, until the expiration of said three-year periods, shall have access to and the right to examine all pertinent books, documents, papers, and records of the Operator.

(b) *Progress reports and vouchers.*—The Operator shall provide the Government with five copies of monthly progress reports in three sections as follows: (1) Operator's Monthly Report and Voucher showing a detailed statement of units of work performed during the reporting period; (2) Operator's Unit Cost and Progress Report showing the various types of work performed during the reporting period and the fixed unit costs incurred for each type of work; and (3) a Narrative Report of the work performed during the reporting period including adequate engineering-geological maps or sketches, drill hole logs and locations, and assay reports on samples taken concurrently with advance in mineralized ground. (Forms for reporting under (1) and (2) above will be provided by the Government.)

(c) *Final report.*—Upon completion of the work or termination of the Government's obligation to contribute to costs, the Operator shall furnish the Government with five copies of a final report (in addition to the final progress report and voucher). This final report shall include a geological and engineering evaluation of the results of the work performed under the contract with an estimate of the ore reserves resulting from such work, complete assay data, adequate geological and engineering maps or sketches, and a summary of the work performed and the unit costs thereof.

(d) *Report of sales.*—The Operator shall provide the Government with suitable accounting and documentary evidence covering all production to which the Government's percentage royalty relates, such as copies of smelter or concentrator settlement sheets, and certified accounts of production and sale or other disposition of production.

(e) *Compliance with requirements.*—If in the opinion of the Government any of the Operator's reports, records, or accounts are insufficient or incomplete, or if the Operator fails to make them, the Government may procure the making or completion of such with suitable attachments as an expense of the work to which the Operator shall contribute. The Government may withhold approval and payment of any vouchers relating to insufficient or incomplete reports, records, or accounts.

ARTICLE 6. *Repayment by Operator.*—(a) *Certification.*—If the Government considers that a discovery or development from which production may be made has resulted from the work, the Government, at any time not later than six months after the Operator has rendered a sufficient final report (see Article 5), may so certify in writing to the Operator. Such certification shall describe broadly or indicate the nature of the discovery or development. **See Annex II**

(b) *Royalty on production.*—The Operator, as principal if the Operator is the producer or as surety if the Operator is not the producer (for example, if the Operator either transfers or fails to retain his interest in the land), shall pay to the Government a royalty on all minerals mined or produced from the land, as follows: (1) regardless of any certification of discovery or development, from the date of the contract until the lapse of the time within which the Government may make such certification or until the total net amount contributed by the Government without interest is fully repaid, whichever occurs first; or (2) if the Government makes a certification of discovery or development, for a period of ten years from the date of the contract or until the total net amount contributed by the Government without interest is fully repaid, whichever occurs first. **See Annex II and Article 10.**

(c) *Basis for computation.*—The Government's royalty shall be a percentage of the gross proceeds (including any bonuses, premiums, allowances, or other benefits) from the production sold, in the form sold (ore, concentrates, metal, or equivalent), at the point of delivery (the f. o. b. point); *except,* that charges of *the buyer* arising in the regular course of business, and shown as deductions on the buyer's settlement sheets, on account of the cost of treatment processes performed by *the buyer,* sampling and assaying to determine the value of the production sold, and freight paid by *the buyer* to a carrier (not the Operator), shall be allowed as deductions in arriving at the "gross proceeds" as that term is used herein. Any costs of treatment processes, sampling, assaying, or transportation performed or paid by the Operator or by anyone other than the buyer are not deductible in arriving at the "gross proceeds" as that term is here used. The term "treatment processes," as here used, means those processes (such as milling, concentrating, smelting, refining, or equivalent, but excluding fabricating or manufacturing) applied to the crude ore or other production after it is extracted from the ground to put it into a commercially marketable form.

(d) *Unsold production.*—If any production (ore, concentrates, metal, or equivalent) after the lapse of six months from the date the ore was extracted from the ground remains neither sold nor used by the Operator in integrated manufacturing or fabricating operations (for instance, if it is stockpiled), the Government, at its option, as long as it so remains, may require the computation and payment of its royalty on the value of such production in the form (ore, concentrates, metal, or equivalent) it is in when the Government elects to require computation and payment. If any production is used by the Operator in integrated manufacturing or fabricating operations before the Government makes its election, the Government's royalty on such production shall be computed on the value thereof in the form in which and at the time it is so used. "Value" as here used means what is or would be gross income from mining operations for percentage depletion purposes in Federal income tax determination, or the market value, whichever is greater.

(e) *Percentages of royalty.*—The percentages of the Government's royalty shall be as follows:

One and one-half (1½) percent of amounts ("gross proceeds" or "value") not in excess of eight dollars ($8.00) per ton of production in the form in which sold, held, or used, plus one-half (½) percent for each additional full fifty cents ($0.50) by which such amounts exceed eight dollars ($8.00) per ton, but not in excess of five (5) percent of such amounts.

(For instance: the royalty on an amount of five dollars ($5.00) per ton would be one and one-half (1½) percent; on an amount of ten dollars ($10.00) per ton, three and one-half (3½) percent.)

(f) *Time for computation and payment.*—The Government's royalty shall be computed and paid currently upon each lot sold, held, or used in integrated operations, as the case may be, as above provided in this Article.

(g) *Lien for payment.*—To secure the payment of its percentage royalty, there is hereby granted to the Government a lien upon the land or the Operator's interest in the land and upon any production of minerals therefrom until the royalty claim is extinguished by lapse of time or is fully paid.

(h) *Notice to purchasers.*—The Operator shall give notice of the Government's claim for royalty to any purchaser of the production, and shall authorize and direct such purchaser to pay the royalty directly to the Government and to furnish the Government with copies of the settlement sheets. If the records of any production and sales or other disposition of production, whether the production is by the Operator or by others, are not made available to the Government, the amount of the royalty may be estimated by the Administrator, Defense Minerals Exploration Administration, or his successor, and his estimate thereof shall be final and binding upon the Operator.

(i) *No obligation to produce.*—Nothing in this contract is to be construed as imposing any obligation on the Operator or the Operator's successor in interest to engage in any production operations.

(j) *Government not obligated to buy.*—Nothing in this contract shall be construed as imposing any obligation on the Government to purchase any minerals mined or produced from the land.

ARTICLE 7. *Termination of the Government's obligations.*—(a) If in the opinion of the Government operations at any time have failed to achieve anticipated results that indicate the probability of making a worthwhile discovery and in the opinion of the Government further operations are not justified, the Government may give the Operator written notice thereof, and thereupon the Government shall be free of all obligation to pay on account of units of work not then performed, and the Operator shall be free of all further obligation to prosecute the work other than such as may be necessary and incidental to winding up, reporting, and accounting.

(b) If in the opinion of the Government the Operator is in any manner in default under the terms of the contract, the Government may give the Operator written notice of such default with a specification of reasonable time within which the default must be cured; and if the Operator fails to cure such default as required, thereupon the Government shall be relieved of all obligation to pay on account of units of work not performed when the notice was given, and the Operator shall be free of all obligation to prosecute the work other than such as may be necessary and incidental to winding up, reporting, and accounting. The Government may also avail itself of any other remedy the law may provide for breach of contract, including the right to rescind the contract and to demand repayment of all moneys contributed by the Government under the contract.

(c) The giving of any notice by the Government under the provisions of this Article 7 shall not affect the Government's rights as provided for in the contract with respect to a percentage royalty, and liens to secure the payment thereof, and such rights shall be fully preserved.

ARTICLE 8. *Notices to be given by the Government* may be delivered to the Operator or may be sent by registered mail addressed to the Operator at the mailing address stated in this contract. If mailed, notices are deemed to have been delivered five days after the date of mailing.

ARTICLE 9. *Officials not to benefit.*—No member of or delegate to Congress or resident commissioner shall be admitted to any share or part of this contract or to any benefit that may arise therefrom; but this provision shall not be construed to extend to this contract if made with a corporation for its general benefit.

ARTICLE 10. *Changes and added provisions.*—

(a) The attached Annex II is a part of the contract.

(b) In Article 6(b), wherever the words "date of the contract" appear they mean "date of the Prior Contract (September 21, 1953)."

(c) In Article 6(b)(2), the period "thirteen years" is substituted for the period "ten years."

Executed in sextuplicate ~~[illegible]~~ this 19th day of September, 1956.

THE UNITED STATES OF AMERICA

Irving G. Irving (Partner)

By C. J. Mittleeadorp
Administrator, Defense Minerals
Exploration Administration

~~By~~ Robert H. Nelson
Robert H. Nelson (Partner)

I, ..., certify that I am the ..... secretary of the corporation named as Operator herein; that ....., who signed this contract on behalf of the Operator, was then ..... of said corporation; that said contract was duly signed for and in behalf of said corporation by authority of its governing body, and is within the scope of its corporate powers.

.....

[CORPORATE SEAL]

U. S. GOVERNMENT PRINTING OFFICE : 1956—O-383069

AMENDED
EXPLORATION PROJECT CONTRACT
IRVING G. IRVING AND ROBERT H. NELSON, PARTNERS
DOCKET NO. DMEA-2874

ANNEX I

The land referred to in Article 2 of the contract form consists of portions of two patented claims in Silver Bow County, Montana, as follows:

1. That part of the Plutus Lode Mining Claim, Survey No. 3018, located in sections 10 and 15, T. 3 N., R. 8 W., lying above a horizontal plane 600 feet below the collar of the Plutus shaft.

2. The Norwich Quartz Lode Mining Claim, Survey No. 2794, Lot No. 590, T. 3 N., R. 8 W., except that portion of the claim lying west of coordinate 5275E. and also above the Plutus 300 (No. 5) level (see attached Figure 1), and all existing dumps on said claim, which are excluded from the land referred to in Article 2.

- -

A one-quarter interest in the Plutus claim is owned by the Operator and the other three-quarters interest is held under a lease from Anaconda Copper Mining Company and the National Bank of Commerce of Seattle. This lease expires June 30, 1961.

The Norwich claim is owned in full by Irving and Nelson, partners.

(Article 2(a)) - The land is subject to a mortgage held by General Services Administration under its Contract GS-10P(D)-3. (Article 2(b)) - The Subordination Agreement of General Services Administration and Consents to Lien of the lessors of the Norwich and Plutus claims are waived.

AMENDED
EXPLORATION PROJECT CONTRACT
IRVING G. IRVING AND ROBERT H. NELSON, PARTNERS
DOCKET NO. DMEA-2874

ANNEX II

WITNESSETH, THAT:

The parties to this Amended Contract are also parties to Contract No. Idm-E604, Docket No. DMEA-2874, dated September 21, 1953, as amended seven times, hereinafter called the "Prior Contract."

The exploration work provided for under the Prior Contract was completed prior to December 31, 1955, and the parties desire to expand the exploration project, enlarge the area of land for the exploration project, and restate their entire agreement in this Amended Contract.

NOW, THEREFORE, it is mutually agreed that:

1. Effective as of September 21, 1953, the Prior Contract is amended and superseded by this Amended Contract, which shall govern all the rights and obligations of both parties, except that vouchers and claims for the Government's contribution to the work performed under the Prior Contract and payment therefor by the Government shall be as therein provided.

2. The Operator hereby releases and agrees to save harmless the Government from all claims and demands out of the Prior Contract, except as herein provided.

3. The General Services Administration or any other department or agency of the Government which receives ore from the property referred to in Article 2 of this Amended Contract, or which may be or become in any manner obligated to pay money to the Operator, is authorized and directed to deduct from any such money or accounts payable to the Operator, and pay to or for the account of Defense Minerals Exploration Administration, any sums that may be due to the Government on account of royalties under the Amended Exploration Contract to which this Annex is attached.

4. (a) The amount contributed by the Government under the Prior Contract is incorporated into this Amended Contract and is repayable pursuant to the royalty provisions of this Amended Contract.

(b) The Certification of Discovery or Development made under the Prior Contract is considered as having been made under this Amended Contract, and the Government's rights to royalty pursuant to Articles 6(b)(2) and 10 of the Amended Contract and its liens therefor are now, hereby, vested, the requirement for certification in Article 6(a) of the Amended Contract being hereby waived.

AMENDED
EXPLORATION PROJECT CONTRACT
DOCKET NO. DMEA-2874

EXHIBIT "A"

Description of the Work

General Provisions

The location, direction, inclination, and extent of all diamond drill holes are subject to the approval of the Government. The holes shall be not less than AX in size, and shall be reamed and cased or cemented and redrilled as necessary.

Drifts and crosscuts, driven or rehabilitated, shall be not less than 5 feet by 7 feet in cross section in the clear and shall be timbered and spiled as necessary.

In mineralized zones, sample drifts and crosscuts at 5-foot intervals and split diamond drill core. The samples and splits shall be assayed for manganese, and also for lead and zinc where warranted.

Two maps are attached to this Exhibit, as follows:

Figure 1, Plan of Plutus and Norwich claims, showing proposed rehabilitation, drifting, and crosscutting.

Figure 2, Longitudinal Section along Norwich vein.

The work completed under Prior Contract is designated as Stage I. The work to be performed is described below under Stages II and III. The Operator shall perform the work set forth under Stage II, and shall perform as much of the work set forth under Stage III as the Government approves in advance in writing.

Stage II

Install water line, electric cable, and pumping equipment to the 300 level of the Plutus shaft.

Rehabilitate the Plutus shaft from the 300- to the 410-foot level including pumping out of water, and install equipment for operation.

Rehabilitate and enlarge the 400-level station to approximately 10 feet by 10 feet by 50 feet, by blasting and removing about 3,200 cubic feet of material, and timbering as necessary.

Rehabilitate the 240 feet of 400-level crosscut between the 400-level station and the Norwich vein. As rehabilitated, the crosscut shall contain installations of 20-pound rail, 3-inch air line, 2-inch water line and an adequate ventilation line.

Drift approximately 150 feet westerly along the Norwich vein and drift 400 feet easterly to the andesite dike along the Norwich vein.

Diamond drill a flat hole southerly from the 400 level, from a point approved by the Government, to intersect the downward extension of the Plutus vein. This hole shall be approximately 420 feet in length.

Stage III

Bulldoze, with RD-7 or equivalent for not to exceed 15 hours, access roads and prepare drill sites for surface diamond drilling on the east side of the andesite dike encountered under Stage II. The diamond drill holes shall be not less than AX in size.

Hole No. 1 shall test the depth of the Tertiary flows, shall be vertical, and shall not exceed 500 feet in depth. If the underlying granites are found sufficiently close to the surface, then holes No. 2 and No. 3 shall be drilled.

Holes No. 2 and No. 3 shall dip to the north at about 60 degrees and shall not exceed 600 feet each in depth.

The total drilling for the three holes shall not exceed 1,700 feet.

The location, direction, inclination, and extent of all drilling are subject to approval by the Government.

If drilling finds indications of extensions of the Norwich or other veins to the east of the dike, then if approved in advance by the Government, the following work shall be carried out:

Extend the east drift on the Norwich vein on the 400-foot level through the dike approximately 150 feet. Then crosscut to the vein or veins indicated by drilling. On any vein or veins encountered drift easterly. The total crosscutting and drifting shall not exceed 650 feet for these three items.

Diamond drill a flat hole, from a point in the Norwich east drift approved by the Government, to intersect the downward extension of the Plutus vein.

Estimated Cost of the Project

Fixed Unit Costs

Stage I

Cost of work completed under Prior Contract (Stage I) as audited			$23,190.70

Stage II

Install facilities and pumping equipment in Plutus shaft to 300 level 1/	$2,082.00		
Rehabilitate Plutus shaft from 300 to 410 level, and install equipment 1/	3,148.00		
Estimated Total Installation and Rehabilitation, Plutus shaft		$5,230.00	
Rehabilitate and enlarge 400 station, 3,200 cubic feet of material @ $0.50/cu. ft. The unit price per cubic foot includes the cost of timbering.	$1,600.00		
Rehabilitate 240 feet of crosscut to Norwich vein @ $20.50/ft. The unit cost includes the cost of timbering.	4,920.00		
Estimated Total Rehabilitation and Enlargement of 400-level station and crosscut		6,520.00	
Drifting 550 feet @ $32.00/ft. The unit cost does not include the cost of timbering and spiling	$17,600.00		
Normal timbering, 550 feet @ $10.00/ft.	5,500.00		
Extra sets in heavy ground, 100 feet @ $8.00/ft.	800.00		
Spiling 50 feet @ $30.00/ft. 2/	1,500.00		
Estimated Total for drifting		$25,400.00	
Diamond drilling, 420 feet @ $5.00/ft.	2,100.00	2,100.00	
The unit cost includes cementing, re-drilling, reaming, and casing.			

Assaying 140 samples @ $3.50 each	$ 490.00	$ 490.00	
Estimated Total for Stage II			$39,740.00

Stage III

Bulldoze access roads and drill sites, 15 hours @ $14.00/hr.		$ 210.00	
The unit cost includes all costs of operation.			
Diamond drilling on surface, 1,700 feet @ $6.00/ft.	$10,200.00		
The unit cost does not include cementing, redrilling, reaming and casing.			
Cementing and redrilling, or reaming and casing, 300 feet @ $2.50/ft. for either	750.00		
Estimated Cost of Surface Drilling		$10,950.00	
Crosscutting and drifting, 650 feet @ $32.00/ft.	$20,800.00		
The unit cost does not include the cost of timbering and spiling.			
Normal timbering, 600 feet @ $10.00/ft.	6,000.00		
Extra sets in heavy ground, 100 feet @ $8.00/ft.	800.00		
Spiling 60 feet @ $30.00/ft. 2/	1,800.00		
Estimated Total for Crosscutting and Drifting		$29,400.00	
Diamond drilling underground, 420 feet @ $5.00/ft.	2,100.00	2,100.00	
The unit cost includes cementing, redrilling, or reaming and casing.			
Assaying 120 samples @ $3.50 each	420.00	420.00	
Estimated Total for Stage III			$43,080.00

SUMMARY

Cost of Stage I, as audited	$ 23,190.70	
Estimated Cost of Stage II	39,740.00	
Estimated Cost of Stage III	43,080.00	
Estimated Total Cost of Project		$106,010.70
Government Participation @ 75% (rounded)		$ 79,508.00

1/ The completed work constitutes the unit.
2/ Unit cost of spiling includes all costs of timbering and no unit costs of timbering are allowable in connection with spiling work.

Government's Copy

EXPLORATION PROJECT CONTRACT
IRVING G. IRVING AND ROBERT H. NELSON, PARTNERS
DOCKET NO. DMEA 2874

AMENDMENT NO. 7

It is agreed this 29th day of September, 1955, between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, and Irving G. Irving, and Robert H. Nelson, Partners, that Exploration Project Contract, Idm-E604 (Docket No. DMEA 2874), dated September 21, 1953, as amended, is further amended as follows:

1. In Article 3, the completion date of this contract is further extended from "September 21, 1955," to "December 31, 1955." *JH* *IGI*

2. The period for payment of the Government's royalty under the contract is extended from "10 years" to "11 years" from the date of the contract.

This amendment shall not be construed to increase the estimated total cost of the project, the amount of the Government's contribution, or the agreed unit cost of any item of work.

Executed in sextuplicate the day and year first above written.

THE UNITED STATES OF AMERICA

By *O P Mitchell*
Administrator, Defense Minerals
Exploration Administration

Irving G. Irving and
Robert H. Nelson

By *Irving G. Irving*

By *Robert H. Nelson*

RECEIVED
OCT 6 1955

RECEIVED
NOV 14 1955

GOVERNMENT COPY

AMENDMENT NO. 6

RECEIVED
JUN 1 8 1955

It is agreed this 25th day of May 1955, between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, and

Irving G. Irving and Robert H. Nelson, Partners

(Docket No. DMEA 2874, manganese)

each acting in consideration of the agreement of the other to the terms hereinafter set forth, that the Exploration Project Contract Idm-E 604 of September 21 1953 between the parties hereto be modified and amended as described in Exhibit "F" attached hereto, which, with any maps or drawings attached thereto, is made a part of this agreement. The effective date of this amendment shall be April 1 1954.

This amendment is made by authority granted the Executive Officer, DMEA Field Team, Region ~~XX~~ I, NW District, in Order No. 2684 by the Acting Secretary of the Interior.

This amendment shall not be construed to increase the estimated total cost of the project, the amount of the Government's contribution, or any item of allowable cost which is expressly designated "Allowable Maximum."

Executed in sextuplicate the day and year first above written.

IRVING G. IRVING AND ROBERT H. NELSON
(Operator)

By Irving G. Irving
Partner

By Robert H. Nelson
Partner

THE UNITED STATES OF AMERICA

By A. E. Weissenborn
A. E. Weissenborn, Exec. Officer
DMEA Field Team, Region ~~XX~~ I,
Northwest District

Exploration Project Contract Idm-E604
Irving G. Irving & Robert H. Nelson, Partners
Docket No. DMEA 2874 (manganese)

AMENDMENT NO. 6

Exhibit "F"

In Amendment No. 2, Exhibit "F", delete Item 1 and substitute the following:

1. On the 244 level, drift westerly on the Plutus vein for not more than 225.6 feet.

Exploration Project Contract Idm-E604
Irving G. Irving & Robert H. Nelson, Partners
Docket No. DMEA 2874 (manganese)

Justification of Amendment No. 6

Operators had previously crosscut to the Plutus vein at their expense so that there is no crosscutting required. This amendment transfers the 15 feet of crosscut to 15 feet of additional drifting for a total of 225.6 feet from the starting point on the vein in a westerly direction. This change does not alter the over-all cost.

John D. Bardill

GOVERNMENT COPY

AMENDMENT NO. 5

Defense Minerals Administration
MAY 31 1955

It is agreed this 12th day of May 1955, between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, and

Irving G. Irving and Robert H. Nelson, Partners

(Docket No. DMEA 2874, manganese)

each acting in consideration of the agreement of the other to the terms hereinafter set forth, that the Exploration Project Contract Idm-E 604 of September 21 1953 between the parties hereto be modified and amended as described in Exhibit "F" attached hereto, which, with any maps or drawings attached thereto, is made a part of this agreement. The effective date of this amendment shall be April 1 1954.

This amendment is made by authority granted the Executive Officer, DMEA Field Team, Region ~~III~~ I, NW District, in Order No. 2684 by the Acting Secretary of the Interior.

This amendment shall not be construed to increase the estimated total cost of the project, the amount of the Government's contribution, or any item of allowable cost which is expressly designated "Allowable Maximum."

Executed in sextuplicate the day and year first above written.

IRVING G. IRVING AND ROBERT H. NELSON
(Operator)

By Irving G. Irving
Partner

By Robert H. Nelson
Partner

THE UNITED STATES OF AMERICA

By A. E. Weissenborn
A. E. Weissenborn, Exec. Officer
DMEA Field Team, Region ~~III~~ I,
Northwest District

Exploration Project Contract Idm-E604
Irving G. Irving & Robert H. Nelson, Partners
Docket No. DMEA 2874 (manganese)

AMENDMENT NO. 5

Exhibit "F"

In Amendment No. 2, add the following:

2. Drift 44.4 feet on the Plutus vein on the 200 level to the west.

Exploration Project Contract Idm-E604
Irving G. Irving & Robert H. Nelson, Partners
Docket No. DMEA 2874 (manganese)

Justification of Amendment No. 5

At the time Amendment No. 2 was made it was intended that the 44.4 feet of completed drift on the 200 level west should be included in the amendment. This amendment corrects the error.

John D. Bardill

Mr. Chambers - Code 800

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

APR 2 9 1955

Office of Investigations
General Accounting Office
Washington 25, D. C.

Re: Docket No. DMEA 257h - Manganese
Irving and Nelson
Plutus mine
Silver Bow County, Montana
Contract No. Idm-760h

Attention: Mr. Joseph Gregory
Room 6116
New G.A.O. Building

Dear Sir:

On April 21, 1955, Mr. Gregory requested a brief resume of the exploration project being carried out under the above referenced contract. A summary of the contract and the results obtained through March 1955 follows:

1. Operator: Irving G. Irving, 8h Harbour Bldg., Butte, Mont., and Robert H. Nelson, 512 Clark Street, Helena, Montana, Partners.

2. Operator's property rights:

Owner as to a 1/h interest in the Plutus Lode Mining Claim, Survey No. 3086, patented, located in Sections 10 and 15, T. 3 N., R. 8 W., above a horizontal plane 600 feet vertically below the collar of the Plutus shaft, and

Lessee as to a 3/h interest of the above-referenced property; Owner's Consent to Lien attached to contract.

3. Contract No. Idm-760h executed September 21, 1953, authorized the following:

270-feet drift westward on 200-feet level @ $34.00/ft.	$15,100.00
200-feet drift eastward on 200-feet level @ $34.00/ft.	6,800.00
200-feet of raising @ $35.00/ft.	7,000.00
470 feet of timbering @ $5.00/ft.	2,350.00
250 analyses @ $2.00	500.00
	$25,750.00
Government participation @ 75%	$19,372.50

4. Amendment No. 1 was executed January 6, 1954, at the Operator's request, as the next face on the 200-foot level, although started in low-grade carbonate ore, showed no mineable ore on the structure after an advance of 16.4 feet. In addition, bulldozing to the east on the surface had revealed only very lean ore.

Amendment No. 1 authorized the following:

270-foot drift westward on 200-foot level @ $34.00/ft.	$9,180.00
16.4-foot drift eastward on 200-foot level @ $34.00/ft.	557.60
Unwater and rehabilitate Platoon shaft to new 400 level, 56 feet @ $35.00/ft.	1,960.00
Cutting and timbering station-crosscut, approximately 1,300 cu. ft. @ $1.24/ft.	1,612.00
Raising 80 feet @ $35.00/ft.	2,800.00
183.6-foot drift eastward on 400 level	6,242.40
470 feet of timbering @ $5.00/ft.	2,350.00
Pumping 180 days @ $1.20/day	630.00
249 samples @ $2.00 ea.	498.00
	$25,330.00

5. Amendment No. 2, dated April 6, 1954, reallocated the work remaining on the 200-foot level (275.6 feet) to the 214-foot level.

6. Amendments Nos. 3 and 4 extended the period for completion of the exploration project.

7. Work completed through March 31, 1955.

16.4 feet drifting eastward on 200-foot level @ $34.00/ft.	$ 557.60
44.4 feet drifting westward on 200-foot level @ $34.00/ft.	1,509.60
56.3 feet timbering drifts on 200-foot level @ $5.00/ft.	281.50
77.0 feet raising on 200-foot level @ $35.00/ft.	2,520.00
36.5 feet shaft rehabilitation @ $35.00/ft.	1,277.50
Station cutting, 892.5 cu. ft. @ $1.24/cu. ft.	1,106.70
25.0 feet drifting eastward on 400-foot level @ $34.00/ft.	850.00
25.0 feet timbering drift on 400-foot level @ $5.00/ft.	125.00
132.0 feet drifting westward on 300-foot level @ $34.00/ft.	4,488.00
121.0 feet timbering drifts on 300-foot level @ $5.00/ft.	605.00
53 analyses @ $2.00 each	106.00
	$13,836.90

Comments:

The subject contract between Irving G. Irving and Robert H. Nelson, Partners, and the Government was entered into after considerable correspondence with the applicants and the Defense Materials Procurement Agency (DMPA) as the applicants were engaged in a development program on the combined Flinton-Herrich property under DMPA contract No. CF-20P (D)-3. The exploration contract was executed only after it had been determined that the DMPA development project would not benefit at the expense of the DMPA exploration project.

Later the operators requested additional exploration assistance on the Hanging-wall vein of the Herrich claim. A proposed amendment was prepared that contained, as one of the conditions for the Government's participation in the project, payment of a percentage royalty on all production from the Herrich claim in addition to that already in effect on the production from the Flinton claim for repayment of the funds advanced under the DMPA program. This was unacceptable to the operator and only that work authorized in the contract as executed is to be completed.

Progress under the exploration project has been slow as the operator is concentrating most of the work on the production of ore from the Herrich claim. This is being done in order to complete the purchase of the Herrich claim by June 30, 1954.

However while the units of work completed under the DMPA contract have been small in relation to the time consumed, the quality of work is excellent. In addition, payment of the Government's share of the exploration costs is on an agreed unit cost basis.

For your information, the enclosed copies have been prepared of the following correspondence from the subject docket.

Feb. 6, 1953	Field examination and cost estimate by McNabb
Feb. 13, 1953	Memorandum by H. D. Crittenden, Jr., Geological Survey.
Feb. 18, 1953	Memorandum by G. L. DeWolf, Jr., Bureau of Mines.
Feb. 18, 1953	Field Team letter.
Mar. 24, 1953	Field Team letter enclosing report dated March 22 by J. S. Hilliard, Jr., Bureau of Mines.
Apr. 21, 1953	Memorandum by Iron and Ferro-Alloys Division, DMPA
May 8, 1953	Letter from Irving & Nelson
May 26, 1953	Reconnaissance Geological Report dated November 24, 1952 by Irving.

Any further information that we have on the subject is, of course, at your disposal.

Sincerely yours,

C. O. Mittendorf

Administrator

Enclosures

Filed:Acknowledgment
cc to: Docket
Code 400
Adm. Pending File
Mr. NEEL, I - RADIST.
Mr. Chambers - Code 800

Government Copy

DEPARTMENT OF THE INTERIOR
Minerals Administration
RECEIVED
DEC 2 1954

(Amendment to Change Starting and/or Completion Dates)

AMENDMENT NO. 4

It is agreed this 23d day of November 1954, between the United States of America, acting through the Department of the Interior, Defense Minerals Administration and Irving G. Irving and Robert H. Nelson, Partners

each acting in consideration of the agreement to the other to the terms hereinafter set forth, that the Exploration Project Contract Idm-E604 dated September 21, 1953 between the parties hereto be further modified and/amended to change ~~the starting date from~~ _____ ~~to~~ (~~No. of days~~) ~~within~~ _____ (~~No. of days~~) ~~of the date of the contract and~~ the completion period from 14 (No. of months) to 24 (No of months) from the date of the contract. The effective date of this amendment shall be September 21, 1953.

This amendment is made by authority granted the Executive Officer, DMEA Field Team, Region II, in Order No. 2684 by the Acting Secretary of the Interior.

This amendment shall not be construed to increase the estimated total cost of the project, the amount of the Government's contribution, or any item of allowable cost which is expressly designated "Allowable Maximum".

Executed in sextuplicate the day and year first above written.

IRVING G. IRVING AND
ROBERT H. NELSON, PARTNERS
(Operator)

By Irving G. Irving partner

By Robert H. Nelson, partner

THE UNITED STATES OF AMERICA

By A. E. Weissenborn
A. E. Weissenborn
Executive Officer
DMEA Field Team, Region II

Bureau Minerals Administration
RECEIVED
DEC 2 1954

Exploration Project Contract No. Idm-E604
Irving G. Irving and Robert H. Nelson, Partners
Docket No. DMEA-2874 (manganese)

Justification of Amendment No. 4

This amendment has been prepared to allow the Operator time to complete work authorized in the contract. Owing to the weak financial position of the Operator in past months, it has been necessary for him to concentrate most of his efforts in bringing the Norwich Footwall vein into full scale production. This has now been accomplished, and the Operator has given assurance that authorized work remaining in the contract will be performed in an assiduous manner.

J. J. Quinlan

Government Copy

(Amendment to Change Starting and/or Completion Dates)

AMENDMENT NO. 3

It is agreed this 2nd day of August 1954, between the United States of America, acting through the Department of the Interior, Defense Minerals Administration and Irving G. Irving and Robert H. Nelson, Partners

each acting in consideration of the agreement to the other to the terms hereinafter set forth, that the Exploration Project Contract Idm-E604 dated September 21 1953 between the parties hereto be modified and amended to change ~~the starting date from~~ (No. of days) ~~to within~~ (No. of days) ~~of the date of the contract and~~ the completion period from 8 months (No. of months) to 14 months (No of months) from the date of the contract. The effective date of this amendment shall be September 21, 1953.

This amendment is made by authority granted the Executive Officer, DMEA Field Team, Region II, in Order No. 2684 by the Acting Secretary of the Interior.

This amendment shall not be construed to increase the estimated total cost of the project, the amount of the Government's contribution, or any item of allowable cost which is expressly designated "Allowable Maximum".

Executed in sextuplicate the day and year first above written.

Irving G. Irving & Robert H. Nelson
(Operator)

By Irving G. Irving

THE UNITED STATES OF AMERICA

By A. E. Weissenborn
A. E. Weissenborn
Executive Officer
DMEA Field Team, Region II

EXPLORATION PROJECT CONTRACT No. Idm-E604
IRVING G. IRVING AND ROBERT H. NELSON, PARTNERS
DOCKET No. DMEA 2874 (Manganese)

Justification of Amendment No. 3

This amendment has been prepared to allow the operator time to complete work authorized in the contract. Owing to the weak financial position of the operator in recent months, it has been necessary to employ the mine crew on production and preparation of stopes along the Norwich footwall vein in order to meet some of the more pressing obligations. The Norwich footwall vein is almost ready for full-scale production. When it comes into full-scale production, the operator should be in a position to finish the work outlined in the contract.

J. J. Quinlan

Government's Copy

AMENDMENT NO. 2 Docket DMEA-2874 (manganese)

It is agreed this 6th day of April 1954, between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, and Irving G. Irving and Robert H. Nelson, Partners (Plutus mine, Silver Bow County, Montana) each acting in consideration of the agreement of the other to the terms hereinafter set forth, that the Exploration Project Contract Idm-E 604 of September 21 1953 between the parties hereto be modified and amended as described in Exhibit "F" attached hereto, which, with any maps or drawings attached thereto, is made a part of this agreement. The effective date of this amendment shall be April 1 1954.

This amendment is made by authority granted the Executive Officer, DMEA Field Team, Region II, in Order No. 2684 by the Acting Secretary of the Interior.

This amendment shall not be construed to increase the estimated total cost of the project, the amount of the Government's contribution, or any item of allowable cost which is expressly designated "Allowable Maximum."

Executed in sextuplicate the day and year first above written.

IRVING G. IRVING AND ROBERT H. NELSON
(Operator)

By Irving G. Irving, Partner

By Robert H. Nelson, Partner

THE UNITED STATES OF AMERICA

By A. E. Weissenborn
A. E. Weissenborn, Exec. Officer
DMEA Field Team, Region II

Exploration Project Contract
Irving G. Irving & Robert H. Nelson, Partners
Docket No. DMEA-2874

Exhibit "F"

Amendment No. 2

In Amendment No. 1, Exhibit "A" under Description of the Work, delete Item 1 and substitute the following:

1. Crosscut in a southerly direction for not more than 15 feet to expose the entire vein from the present face of the west crosscut on the 244 level and then drift in a westerly direction on the vein, for not more than 210.6 feet, as illustrated in Fig. 3 attached to this amendment and made a part hereof.

Docket No. 2874
Irving and Nelson
Plutus Mine
Contract Idm-E604

Justification for Amendment No. 2

The operators requested on April 3, 1954, an amendment to allow the balance of 225.6 feet of drifting in a westerly direction on the 200 level, to be transferred to explore the Plutus vein from the face of the west crosscut on the 244 level by crosscutting 15 feet to the south to explore the width of the vein zone and by drifting 210.6 feet in a westerly direction to explore the Plutus vein.

The change of the drifting program to a lower level is justified because low-grade oxidized manganese was encountered about 15 feet above the back of the west 200 level drift.

Howard B. Nickelson

Government's Copy

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JAN 18 1954

EXPLORATION PROJECT CONTRACT
IRVING G. IRVING AND ROBERT H. NELSON, PARTNERS
DOCKET NO. DMEA-2874

AMENDMENT NO. 1

It is agreed this 6th day of January, 1954, between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, and Irving G. Irving and Robert H. Nelson, that Contract Idm-E604, Docket No. DMEA-2874, dated September 21, 1953, is amended effective September 21, 1953, as follows:

Exhibit "A" is deleted and a new Exhibit "A" is substituted, reading as follows:

EXHIBIT "A"

Description of the Work

The project work, which is outlined in part on attached map, Fig. 2, entitled "Vertical Longitudinal Section A-A', Plutus Mine, Silver Bow Co., Montana," consists of the following:

1. Drift westerly approximately 270 feet along the Plutus vein from a face 21 feet west of USBM tag No. 255 on the 200-foot level of the Plutus shaft, as indicated on Fig. 2.

2. Drift easterly 16.4 feet along the Plutus vein from a face 3 feet east of USBM tag No. 256, as indicated on Fig. 2.

3. Unwater and rehabilitate the Plutus shaft to a new level not less than 25 feet nor more than 56 feet below the present 244-foot level. Rehabilitation includes all necessary retimbering, rearrangement of dividers, and installation of skip guides.

4. At the new level, cut and timber a station-crosscut from the Plutus shaft southeasterly to the Plutus vein. The station-crosscut shall be approximately 15 feet long. Approximately the first 10 feet shall be approximately 11 feet wide

and 9 feet high. The remaining footage shall be approximately 7 feet wide and 9 feet high. The total excavation for the station-crosscut shall approximate 1,300 cubic feet.

5. On the new level, drive easterly on the Plutus vein not more than 183.6 feet from the face of the station-crosscut.

6. Dependent upon the results of the above drifting, the Operator, with the prior written approval of the Government, may perform not to exceed 80 feet of raising.

7. The Operator, from the time work is started on the new level, shall keep that level pumped dry until all work on that level is completed. Should it become necessary for the Operator to replace the pump presently operating, with equipment of greater pumping capacity, a pump capable of pumping 200 gallons per minute against a 400-foot hydraulic head shall be installed.

8. Where warranted, not in excess of 249 samples shall be taken at 5-foot intervals and assayed for silver and manganese.

All drifts and raises shall be timbered as necessary. The location, direction, and extent of all work is subject to the approval of the Government.

Agreed Unit Costs 1/

Drifting 470 feet @ $34.00/ft.	$15,980.00
Timbering 470 feet of drifts @ $5.00/ft.	2,350.00
Raising 80 feet @ $35.00/ft.	2,800.00
Unwatering and rehabilitating shaft, 56 feet @ $35.00/ft.	1,960.00
Cutting and timbering station-crosscut, approximately 1,300 cu. ft. @ $1.24/cu.ft.	1,612.00

1/ The unit costs include all costs whatsoever incidental to the completion of the work.

Pumping 150 days @ $4.20/da. 2/	$630.00	
Assaying 249 samples @ $2.00/ea.	498.00	
Estimated Total Agreed Unit Costs		$25,830.00
Government Participation @ 75%		$19,372.50

This amendment shall not be construed to increase the estimated total cost of the project, the aggregate total amount which the Government may be required to contribute, nor the agreed unit cost of any item of work.

Executed in sextuplicate the day and year first above written.

THE UNITED STATES OF AMERICA

By C P Mitkendorf
Administrator, Defense
Minerals Exploration
Administration

Irving B. Irving
Irving B. Irving (Partner)

Robert H. Nelson
Robert H. Nelson (Partner)

2/ This cost is allowable only in the event that the Operator replaces the presently operating pump with a pump of greater capacity, as described in item 7 above.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

October 6, 1953

Mr. Orrin C. Bradeen, Regional Director
Region 10, General Services Administration
Federal Office Building
909 First Avenue
Seattle 4, Washington

Re: Docket No. DMEA 2874 (manganese)
Irving G. Irving & Robert E. Nelson
Plutus Mine, Silver Bow Co., Mont.
Contract Idm-E604

DMEA

Dear Mr. Bradeen:

As you are aware, the Defense Minerals Exploration Administration has recently entered into an exploration contract with Irving and Nelson to explore the Plutus vein. In connection with this, we have received copies of memoranda between Mr. Ford, Mr. Brussolo and yourself concerning the need to see that the DMEA Plutus project and the existing DMPA project (Contract GS-1GP(D)-3) on the Norwich vein are conducted independently of one another. As you will note from the attached qualid copy of a letter from Mr. Irving dated October 3, 1953, the DMEA and the DMPA projects are being carried on from separate levels and, therefore, are physically separated except for the fact that they are of necessity being operated through a common shaft.

The Defense Minerals Exploration Administration has also a contract with the Taylor-Knapp Company, which company has made quite a number of shipments to the GSA manganese buying depot. Normally, on shipments of ore to a smelter which are susceptible to DMEA royalty, the smelter makes the deduction and mails to the Executive Officer a check made out to the Treasurer of the United States for the amount of the royalty. However, in the case of the Taylor-Knapp Company, which is shipping manganese ore to the GSA buying depot, Taylor-Knapp is figuring the deduction itself and sending a check to us drawn on its account, because the GSA, as you will recall, has not cared to assume the responsibility of making the royalty deduction and preparing the necessary check in payment thereof.

In the case of the Irving & Nelson contract, we note that Annex II provides as follows: "The Defense Materials Procurement Agency, the General Services Administration, or any other department or agency of the Government which may receive ore from the property

described in Article 2 of the contract form, or which may be or become in any manner obligated to pay money to the Operator, is authorized and directed to deduct from any such money or accounts payable to the Operator, and pay to or for the account of Defense Minerals Exploration Administration, any sums that may be due to the Government on account of royalties under the exploration contract to which this annex is attached." We had assumed that any shipments made by Irving & Nelson of ore on which royalty is due would also be handled by direct payment from the operator as is done in the case of the Taylor-Kunze Company. However, in view of the provisions of this part of Annex II of the contract, we infer that it may be possible for the DMA to make the deduction and we wonder if you have any information on this matter. We would appreciate it if you could inform us of this at your earliest convenience as Mr. Irving has told us that he expects to make a shipment of exploration ore in the near future, and he has asked us for advice as to how the royalty should be paid.

Sincerely yours,

A. E. Weissenborn
Executive Officer, DMEA
Field Team, Region II

Enclosure

cc: DMEM (2)
DMEA (2)

Hindman
Nickelson

Docket No. DMEA - 2874

Commodity Manganese

DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

Proposed amendment voided

STRATEGIC AND CRITICAL MINERALS EXPLORATION PROGRAM

TO: Chief, Finance Section, Budget and Finance Branch, Bureau of Mines

Please enter on the records of the Defense Minerals Exploration Administration under the Strategic and Critical Minerals Exploration Program, the following contract, or amendment to contract.

Contract No. Idm-E 604

Date of Contract ~~xxxxxxxxxxx~~ Sept. 21, 1953

Name and Address of Operator:
Irving O. Irving
84 Hirbur Bldg. Butte, Montana

Amount of Government participation $ 19,372.50

Percent of Government participation 75 %

Region: 1 State: Montana

Note: This document establishes the obligation shown above and cancels the previous amount of $ 35,535.50 Advice per Iron and Ferro- Alloys Division

E. L. Talbert
(Name)
for J. L. Chambers
Chief, Contract Administration and Audit Division
(Title)

Date Delivered to Bureau of Mines, Washington. 7/15/55

54458

Docket No. ~~2874~~

Commodity ~~Manganese~~

DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

AMENDMENT

STRATEGIC AND CRITICAL MINERALS EXPLORATION PROGRAM

TO: Chief, Finance Section, Budget and Finance Branch, Bureau of Mines

Please enter on the records of the Defense Minerals Exploration Administration under the Strategic and Critical Minerals Exploration Program, the following contract, or amendment to contract.

Contract No. Idm-E 604

Date of Contract ~~or Amendment~~ September 21, 1953

Name and Address of Operator:
Irving G. Irving
84 Mirbur Bldg., Butte, Montana and
Robert H. Nelson
512 Clark St., Helen, Montana

Amount of Government participation $ 35,535.00

Percent of Government participation 75 %

Region: 11 State: Montana

Note: This document establishes the obligation shown above and cancels the previous obligation of $ 19,372.50

E R Talbert
(Name)
for J. L. Chambers
Chief, Contract Administration and Audit Division

(Title)

Date Delivered to Bureau of Mines, Washington.

5/24/54

54458

Doc[illegible] No. 2874

Commodity Manganese

DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

STRATEGIC AND CRITICAL MINERALS EXPLORATION PROGRAM

TO: Chief, Finance Section, Budget and Finance Branch, Bureau of Mines

Please enter on the records of the Defense Minerals Exploration Administration, under the Strategic and Critical Minerals Exploration Program, the following contract, or amendment to contract.

Contract No. Idm-E 604

Date of Contract ~~or Amendment~~: September 21, 1953

Name and Address of Operator:

Irving G. Irving
84 Hirbour Building, Butte, Montana and
Robert H. Nelson
512 Clark Street, Helena, Montana

Amount of Government participation $ 19,372.50

Percent of Government participation 75 %

Region: II State: Montana

(Name)

J. L. Chambers, Chief, Contract Administration and Audit Division

(Title)

Date Delivered to Bureau of Mines, Washington. September 21, 1953

MF-200 (A)
(February 1952)

DOCKET NO. DEA - 2874

COMMODITY Manganese

Government's Copy

Idm-E 604

UNITED STATES OF AMERICA
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

EXPLORATION PROJECT CONTRACT[1]

(Short Form)

IT IS AGREED this 21st day of September, 1953, between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, hereinafter called the "Government," and[2] Irving G. Irving, 84 Hirbour Building, Butte, Montana, and Robert H. Nelson, 512 Clark Street, Helena, Montana - Partners

hereinafter called the "Operator," as follows: and as set forth in Annexes I and II attached hereto and made a part hereof

ARTICLE 1. *Authority for contract.*—This agreement is entered into under the authority of the Defense Production Act of 1950, as amended, pursuant to DMEA Order 1 entitled "Government Aid in Defense Exploration Projects."

ARTICLE 2. *Operator's property rights.*—With respect to that certain land situated in the State of Montana, County of Silver Bow, described as follows:[3] Plutus Lode Mining Claim, Survey No. 3018, patented, located in Sections 10 and 15, T. 3 N., R. 8 W., above a horizontal plane 600 feet vertically below the collar of the Plutus shaft,

the Operator represents and undertakes:[4]

(*a*) That the Operator is the owner, in possession and entitled to possession as to a 1/4 interest and that the property is subject only to the following claims, liens, or encumbrances as to each of which the subordination agreement of the holder is attached:

Mortgage to General Services Administration under its Contract GS-10P(D)-3.

(*b*) That the Operator is a lessee, in possession and entitled to possession as to a 3/4 interest and the Owner's Consent to Lien is attached. 6/

The Operator shall devote the land and all existing improvements, facilities, buildings, installations, and appurtenances to the purposes of the exploration project without any allowance for the use, rental value, depreciation, depletion, or other cost of acquiring, owning, or holding possession thereof.

ARTICLE 3. *Exploration project.*—The Operator, within 30 days from the date of this contract shall commence work on a project of exploration for[5] Manganese

in or upon the described land; and shall bring the project to completion within a period of 8 months from the date of this contract. The work to be performed is more fully described in Exhibit "A" attached hereto, which, with any maps or drawings thereto attached, are made a part of this contract. The Government will contribute to the cost of this work as hereafter provided. The work shall be performed by the Operator or by independent contractor or contractors efficiently, expertly, in a workmanlike manner, in accordance with good mining standards and State regulations for health and safety and for workmen's compensation and employers' liability insurance, with suitable and adequate equipment, materials, and labor, to bring the project to completion within the time fixed. The Government shall have the right to enter and observe and inspect the work at all reasonable times, and the Operator shall provide the Government with all available means for doing so. The Government may consult with and advise the Operator on all phases of the work.

ARTICLE 4. *Costs of the project.*—The agreed, estimated costs of performing the work, expressed in terms of units of work to be performed (per foot of drifting, per foot of drilling, per cubic yard of material to be moved, etc.) are set forth in Exhibit "A," attached hereto. The Government will pay 75 percent of these agreed, estimated costs, as they accrue, for units of work actually performed that conform with the description or specifications for the work set forth in this contract, in an aggregate total amount not in excess of $19,372.50, which is 75 percent of $25,830.00 the agreed, estimated total cost of the project in which the Government will participate: *Provided,* That until the Operator's final report and final accounting have been rendered to the Government and any final check or auditing required by the Government has been made, and a final settlement of the contract has been made, the Government may withhold from the last voucher or vouchers such sums as it sees fit not in excess of ten (10) percent of the maximum total which the Government might have been called upon to pay under the terms of the contract. The Government may, as it sees fit, make payments direct to the Operator's independent contractors, if any, for the account of the Operator, rather than to the Operator.

ARTICLE 5. *Reports, accounts, audits.*—(*a*) *Progress reports.* The Operator shall provide the Government with monthly reports of units of work performed under the contract, in quintuplicate (five copies), upon forms provided by the Government. These progress reports shall be certified by the Operator, and shall constitute both the Operator's invoice of units of work performed on the project during the period covered by the report and his voucher for repayment by the Government, unless the Government requires the use of a standard voucher form with invoice attached. Progress reports shall include surface and/or underground engineering-geological maps or sketches showing the progress of the exploration, with assay-reports on samples taken concurrently with the advance in mineralized ground.

[1] If sufficient space is not provided in any blank, use an extra sheet of paper and refer to it in the blank.
[2] State name, address, and nature of organization if any.
[3] Give legal description or enough to identify the property, particularly excluding any land or interest therein to which the Government's lien is not to attach or the production from which is not to be subject to the Government's percentage royalty.
[4] Strike out the provision not applicable.
[5] Name of mineral or minerals.

16—66329-1

6/ See Guaranty attached.

(*b*) *Final report.*—Upon completion of the exploration work or termination of the contract the Operator shall provide the Government with an adequate geological and engineering report, in quintuplicate (five copies), including an estimate of ore reserves resulting from the exploration work.

(*c*) *Compliance with requirements.*—If, in the opinion of the Government, any of the Operator's reports are insufficient or incomplete, the Government may procure the making or completion of such reports and attachments as an expense of the exploration work; and the Government may withhold approval and payment of any vouchers depending upon insufficient or incomplete reports.

(*d*) *Accounts and audits.*—The Operator shall keep suitable records and accounts of the units of work performed, which the Government may inspect and audit at any time. The Government may at any time require a check of the work performed and an audit of the Operator's records and accounts, by a certified public accountant or otherwise, the cost thereof to be treated as a cost of the project. The Operator shall keep and preserve said records and accounts for at least 3 years after the completion of the project or the termination of this contract. Upon the completion of the project or termination of the contract the Operator shall render a final account and statement of work performed to accompany his final report.

ARTICLE 6. *Repayment by Operator.*—(*a*) If, at any time, the Government considers that a discovery or a development from which production may be made has resulted from the exploration work, the Government, at any time not later than 6 months after the Operator has rendered the required final report and final account, may so certify in writing to the Operator. The certification shall describe broadly or indicate the nature of the discovery or development. In the event of such certification, any minerals mined or produced from the land described in Article 2 within 10 years from the date of this contract, including any mined or produced before the certification, shall be subject to a percentage royalty which the Operator or his successor in interest shall pay to the Government, upon the net smelter returns, the net concentrator returns, or other net amounts realized from the sale or other disposition of any such production, in whatever form disposed of, including ore, concentrates, or metal, until the total amount contributed by the Government, without interest, is fully repaid, or said 10 years have elapsed, whichever occurs first, as follows: See Annex I, substituted for that part of 6(a) preceding the colon:

(1) One and one-half (1½) percent of any such net amounts not in excess of eight dollars ($8.00) per ton.

(2) One and one-half (1½) percent of any such net amounts, plus one-half (½) percent of such net amounts for each additional full fifty cents ($0.50) by which such net amounts exceed eight dollars ($8.00) per ton, but not in excess of five (5) percent of such net amounts.

(For instance: The percentage royalty on a net amount of five dollars ($5.00) per ton, would be one and one-half (1½) percent; on a net amount of ten dollars ($10.00) per ton, three and one-half (3½) percent.)

(*b*) As here used, "net smelter returns," "net concentrator returns," and "other net amounts realized from the sale or other disposition," mean gross revenue from sales, or if not sold, the market value of the material after it is mined in the form in which and the place where it is held. In the case of integrated operations in which the material is not disposed of as such, these terms mean what is or would be the gross income from mining operations for percentage depletion purposes in income-tax determination.

(*c*) To secure the payment of its percentage royalty, the Government shall have and is hereby granted a lien upon the land described in Article 2 and upon any production of minerals therefrom, until the royalty claim is extinguished by lapse of time or is fully paid.

(*d*) This article is not to be construed as imposing any obligation on the Operator or the Operator's successor in interest to engage in any mining or production operations.

ARTICLE 7. *Assignment, transfer, or loss of Operator's interest.*—Without the written consent of the Government, the Operator shall not assign or otherwise transfer or hypothecate this contract or any rights thereunder. The Operator shall not make any voluntary nor permit any involuntary transfer or conveyance of the Operator's rights in the land described in Article 2, without making suitable provision for the preservation of the Government's right to a percentage royalty on production and lien for the payment thereof; *Provided*, that mere failure by the Operator to maintain the Operator's rights in the land, without any consideration running to the Operator other than relief from the cost of maintaining such rights (as by surrender of a leasehold, failure to perform assessment work, or failure to exercise an option), coupled with complete abandonment by the Operator of all interest in or operations on the land for a period of 10 years from the date of this contract, shall not constitute such a transfer or conveyance. Should the Operator make or permit any transfer or conveyance in violation of this provision, the Operator shall be and remain liable for payment to the Government of the same amounts, at the same times, as would have been paid under the terms of the percentage royalty on production. If for any reason the net smelter returns, net concentrator returns, or other net amounts realized from the sale or other disposition of such production are not available as a means of measuring the amount of the Operator's liability, the amount thereof shall be estimated as well as may be, and in the event of dispute as to such estimates, the determination thereof by the Administrator of Defense Minerals Exploration Administration or by his successor shall be final and binding upon the Operator.

ARTICLE 8. *Termination and completion.*—The Government may, at any time, by written notice to the Operator, terminate this contract: (*a*) If the Operator fails to provide his share of the money necessary to prosecute operations pursuant to the terms of the contract; (*b*) if the Operator, in the opinion of the Government, fails to prosecute operations pursuant to the terms of the contract; or (*c*) if, in the opinion of the Government, operations up to the time of the notice have not indicated the probability of making any worth while discovery and in the opinion of the Government further operations are not justified.

ARTICLE 9. *Changes and added provisions* In Article 7, delete that part of the second sentence which follows the semicolon.

October 1, 1953

Executed in sextuplicate the day and year first above written.

THE UNITED STATES OF AMERICA

Irving G. Irving (Partner)

By Robert H. Nelson (Partner)

ACTING By Frank E. Johnson
Administrator, Defense Minerals Exploration Administration

I, , certify that I am the secretary of the corporation named as Operator herein; that , who signed this contract on behalf of the Operator, was then of said corporation; that said contract was duly signed for and in behalf of said corporation by authority of its governing body, and is within the scope of its corporate powers.

[CORPORATE SEAL]

U. S. GOVERNMENT PRINTING OFFICE 16—66329-1

EXPLORATION PROJECT CONTRACT
IRVING G. IRVING and ROBERT H. NELSON, PARTNERS
DOCKET NO. DMEA-2874

ANNEX I

The following provisions are in lieu of all of paragraph (a) of Article 6 which precedes the colon:

If the Government considers that a discovery or development from which production may be made has resulted from the exploration work, the Government, at any time not later than six months after a sufficient, complete, final report and final account referred to in the contract has been rendered, may so certify in writing to the Operator. Such certification shall describe broadly or indicate the nature of the discovery or development, The Operator, or his successor in interest, shall pay to the Government a royalty on all minerals mined or produced from the land described in Article 2, as follows: (1) Regardless of any certification of discovery or development, from the date of the contract until the lapse of the time within which the Government may make such certification of discovery or development, or until the total net amount contributed by the Government, without interest, is fully repaid, whichever occurs first, unless the Government waives its right to a royalty; or (2) if the Government makes a certification of discovery or development, for a period of ten years from the date of the contract, or until the total net amount contributed by the Government, without interest, is fully repaid, whichever occurs first. Said royalty shall be a percentage of the net smelter returns, the net concentrator returns, or other net amounts realized from the sale or other disposition of any such production (including any bonuses), in whatever form disposed of, including ore, concentrates, or metal, as follows:

EXPLORATION PROJECT CONTRACT
IRVING G. IRVING AND ROBERT H. NELSON, PARTNERS
DOCKET NO. DMEA-2874

ANNEX II

The Operator is a party to a contract with the Government, acting through Defense Materials Procurement Agency, Contract No. GS-10P(D)-3, under the provisions of which the Government has made certain advances to the Operator to finance certain mining and production operations on the Plutus claim, which is the subject of this Exploration Project Contract, and also on the adjoining Norwich claim, which is excluded from this Exploration Project Contract.

The work provided for in this Exploration Project Contract depends upon and could be performed only by virtue of certain of the mining operations which are being financed by the Government under said Defense Materials Procurement Agency contract, but the exploration work is not directly beneficial or in any way necessary to said mining and production operations.

Inasmuch as the authority of Defense Minerals Exploration Administration is limited to contribution to the cost of exploration and related development, this statement is made in explanation of why the Exploration Project Contract is limited to the Plutus claim and does not include the Norwich claim; i.e., any liability for royalty on production to reimburse the Government for its contribution to the exploration work under this Exploration Project Contract will be limited to production from the Plutus claim.

The Defense Materials Procurement Agency, the General Services Administration, or any other department or agency of the Government which may receive ore from the property described in Article 2 of the contract form, or which may be or become in any manner obligated to pay money to the Operator, is authorized and directed to deduct from any such money or accounts payable to the Operator, and pay to or for the account of Defense Minerals Exploration Administration, any sums that may be due to the Government on account of royalties under the exploration contract to which this annex is attached.

EXPLORATION PROJECT CONTRACT
IRVING G. IRVING and ROBERT H. NELSON, PARTNERS
DOCKET NO. DMEA-2874

G U A R A N T Y

In consideration of the waiver by the United States of America of the requirement of the Owner's Consent to Lien, as set forth in paragraph 2(b) of the attached Exploration Project Contract, the undersigned jointly and severally hereby guarantee payment to the United States of America of any royalties, as specified in said Contract and any future amendment thereof, upon any and all ore which is mined within ten years of the date of said Contract from the land described in Article 2 thereof, regardless of whether the undersigned have any interest in the property covered by the said Contract, or any part in the mining operations at the time said ore is mined. If for any reason the net smelter returns or other net amounts, from operations that would be subject, under the said Contract and any amendment thereof, to such payments to the United States of America, are not available as a means of measuring the amount of such payment, then the undersigned agree and undertake jointly and severally to make such payment according to the best estimates of the amount that can reasonably be made, and in the event of dispute as to such estimate, the undersigned agree jointly and severally that the determination thereof by either the Administrator of Defense Minerals Exploration Administration, or his designee, shall be final and binding upon the undersigned.

Dated October 1, 1953

Irving G. Irving (Seal)
Irving G. Irving

Robert H. Nelson (Seal)
Robert H. Nelson

EXPLORATION PROJECT CONTRACT
IRVING G. IRVING and ROBERT H. NELSON, PARTNERS
DOCKET NO. DMEA-2874

EXHIBIT "A"

Description of the Work

The project consists of drifting westerly approximately 270 feet and easterly approximately 200 feet along the Plutus vein from the present faces on the 200 foot level of the Plutus shaft, as indicated on attached map entitled "Longitudinal Section of the Plutus Vein."

Dependent on the results of the above drifting, 200 feet of raising is specified at locations to be selected by the Operator with the approval of the Field Team.

Where warranted, not in excess of 250 samples shall be taken at 5-foot intervals and assayed for silver and manganese.

Agreed Unit Costs 1/

Drifting 470 feet @ $34.00/ft.	$15,980.00	
Timbering 470 feet @ $5.00/ft.	2,350.00	
Raising 200 feet @ $35.00/ft.	7,000.00	
Assaying for silver and manganese - 250 samples @ $2.00/ea.	500.00	
Total Agreed Unit Costs		$25,830.00
Government Participation @ 75%		$19,372.50

1/ The above unit costs shall cover all costs whatsoever incidental to the completion of the work.

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

October 6, 1953

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

Re: Docket No. DMEA-2874 (Manganese)
Irving G. Irving & Robert N. Nelson
Plutus Mine
Silver Bow County, Montana
Contract No. Idm-2604

Dear Mr. Selfridge:

Enclosed are the original and two copies of the referenced contract, which have been signed by the Operator. A signed copy of the contract has been retained by the Operator, one for the files of this office, and one for the files of the Certifying Officer.

Also enclosed are four copies of a letter from Mr. Irving G. Irving that is referenced to a Field Team request to Mr. Irving to present a clear description of DMPA work that he was conducting as versus the proposed DMEA project work. Perusal of this letter will show that DMPA and DMEA work is being done on separate levels and that DMEA work will be driven from an already existing crosscut to the Plutus vein. A copy of Mr. Irving's letter is being forwarded to the local GSA office in Seattle for their information.

The Operator has informed us that their lease on the Plutus property has been extended to June 30, 1959, and that a copy of this extension has been forwarded to the Washington DMEA office.

Sincerely yours,

Thor H. Kiilsgaard
For: A. E. Weissenborn
Executive Officer, DMEA
Field Team, Region II

Enclosures
cc: USBM (2)
Nicholson

SEP 21 1953

Mr. A. E. Weissenborn
Executive Officer, Region II
DMEA Field Team
South 157 Howard Street
Spokane 4, Washington

E-604

Re: Docket No. DMEA-2874 (Manganese)
Irving G. Irving and
Robert H. Nelson, Partners
Plutus Lode Mining Claim
Silver Bow County, Montana

Dear Mr. Weissenborn:

Attached hereto is a memorandum for DMEA files by the Chief Counsel which will be useful for future reference in ascertaining the status of the subject contract and the reasons for the present actions concerning it.

Also attached hereto are the original and five copies of the contract. Attached to the contract for execution by the Operators is a "Guaranty" to be signed by them in lieu of procuring the landlord's consent to lien.

You will observe that the last paragraph of Annex II authorizes Defense Materials Procurement Agency or GSA to deduct the Government's percentage royalty from any moneys that may come into their hands.

As indicated in the memorandum for the files of the Chief Counsel, it will be necessary for the Operators to procure from their landlords either a new lease for a term ending not later than December 31, 1958, or a written agreement from their landlords that the present lease may be extended for a period ending not later than December 31, 1958. With such an instrument in hand, the exploration contract may be entered into.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee

Enclosures

Approved:

J. H. Hedges
Member, Bureau of Mines

A. R. Kinkel, Jr.
Member, Geological Survey

JLHoffLund:ep 9-15-53

Copy to: Mails & Files
Adm. Reading File
Oper. Comm.
Chron.
Pending
Mr. Gilbert DeHuff, B/M, Rm. 3523
Mrs. Martha S. Carr, USGS, RM B-242-B, GSA
Mr. Chambers
Mr. Martin (2)
Mr. Hoffland

~~Not Indexed~~

September 14, 1953

Memorandum

To: DMEA Files

E-604

From: Chief Counsel

Subject: Irving G. Irving and Robert H. Nelson, Partners
Docket No. DMEA-287 (Manganese)

The Operator's application and the proposed Exploration Project Contract relate to one mining claim, the "Plutus." The Operator had previously entered into a contract with the Defense Materials Procurement Agency (now GSA), dated November 13, 1952, as amended by Amendment No. 1, dated March 2, 1953 (Contract No. GS-10P(D)-3), which involves both the Plutus claim and a second claim known as the "Norwich." The contract with GSA is for the delivery to the Government of between 30,000 and 60,000 tons of manganese ore from both claims, and GSA makes certain advances for financing this production. As security for its advances, GSA (according to the contract and the letter from the Administrator of GSA to the Administrator of DMEA dated August 31, 1953) takes an assignment of two leases covering the two claims, and also a chattel mortgage on all mining equipment. The letter states that GSA's advances now amount to $89,900, which may be increased to $106,000, and that production from the Norwich claim is not apt to be sufficient to liquidate these advances.

Part of GSA's advances of money is to be used for rehabilitation of the Plutus shaft as a means of removing ore from the Norwich claim. The proposed exploration work, although unrelated to the production operations, is to be made from the Plutus shaft and to that extent depends upon the production operations. Of course, any discovery resulting from the exploration will be beneficial to GSA's prospects of getting its advances repaid.

GSA probably has failed to realize that subordination of its interests would not be in any manner detrimental to it, inasmuch as DMEA is not entitled to any royalty or repayment except from production. The subordination would be beneficial to DMEA, merely because it would give some assurance that of such money as is repaid to the Government some part of it would come to the Government through DMEA

as a channel. As far as the Government is concerned, it is not important through which channel (DMEA or GSA) money is repaid. Therefore, failure of GSA to subordinate is hardly a sufficient reason for refusing to enter into the proposed exploration contract. It would be different if GSA were a private party holding a mortgage.

The real obstacles to entering into the proposed exploration contract are the fact that the property is already heavily loaded with debt, and that the Operator's leasehold interest is for less than three years. The Operator's lease on the Plutus claim expressly recites that Irving G. Irving (one of the partner Operators) owns a 1/4 interest and that Anaconda Copper Mining Company owns 1/4 and The National Bank of Commerce of Seattle owns 1/2. GSA's contract makes no point of the fact that Irving owns 1/4 and leases 3/4, all in his own name, and that the Operator partnership has no interest in the property except such as might arise from the fact that both partners have signed the agreement with GSA.

The Operator represents that it is unable to obtain a subordination agreement from the lessors of the 3/4 interest. Inasmuch as the lease expires June 30, 1956, and there is no right of renewal, and as the exploration work is estimated at 8 months, this would allow probably less than 2 years for production operations from which DMEA might be repaid. This is deemed to be too short even for this manganese operation, and it has been determined administratively to require the Operator to procure from the lessors a right of possession running at least to December 31, 1958. The subordination agreement covering the 3/4 leasehold interest will be waived and the Operator's written undertaking accepted in lieu thereof.

J. L. Hofflund
Chief Counsel

JLHofflund:ep

Copy to: Mails & Files
Administrator
Admr. Reading File
Mr. Chambers
Mr. Martin
Mr. Hofflund
DMEA Field Team /Reg. II (2)
Chron.

AUG 2 6 1953

Hon. Edmund F. Mansure
Administrator
General Services Administration
Washington 25, D. C.

E-604

Re: Docket No. DMEA-2674
(Manganese)
Irving G. Irving and
Robert H. Nelson, Partners
Plutus Lode Mining Claim
Silver Bow County, Mont.

Dear Mr. Mansure:

Enclosed herewith are five copies of a draft of a proposed exploration project contract to be entered into with Irving G. Irving and Robert H. Nelson, partners, relating to the Plutus lode mining claim in the county of Silver Bow, Montana. These partners, we are advised, have a contract with the General Services Administration (GS-10P(D)-3), under which they have received an advance from you on production both from the Plutus claim and from the adjoining Marwich claim. It is our understanding that the interests of the partners in both claims and on the production therefrom are subject to a mortgage to you to secure the repayment of your advances on production.

The partners represent that they own an undivided one-fourth interest in the Plutus claim and are lessees as to the remaining undivided three-fourths interest. The lease expires on June 30, 1956, leaving an unexpired term of something less than three years, far short of the ten years ordinarily required by this agency. Nevertheless, in view of the probable character of the production and the probability that it can be realized upon within the remaining short term; and in view of the reasonable prospect of making a valuable discovery, development, and ultimate production of manganese, this agency is inclined to enter into the proposed exploration contract. However, it is plain that whatever prospect there may be for reimbursement of the Government for its contribution under the exploration project contract, would be very scant if your mortgage on the production from the Plutus claim were to remain prior to the claim for a percentage

royalty under the exploration contract. It is therefore proposed that your mortgage on any production from the Plutus claim be subordinated to the claim of the Government for a percentage royalty on production from that claim under the exploration project contract.

Without copies of your contract with these operators and of your mortgage or other claim against the production, it is difficult for this agency to draw a satisfactory subordination agreement, assuming that you will be willing to execute one. In this connection, reference is made to your contract with the United States Tin Corporation under No. GS-OOP-(D)-520, and to our exploration project contract with that corporation under our docket No. DMEA-2228. In that case, we submitted our proposed exploration project contract to you, and you executed an approval and subordination agreement to enable us to enter into it. I think that your approval and subordination in this case could be much more simple, as the matter here is not nearly so complex; but it seems necessary to ask you to draft it, unless you would prefer to furnish us with copies of the necessary documents.

You may be aware that these operators are in financial straits, and if the proposed exploration contract is to be of any use to them, it probably is necessary that it be executed very shortly.

If you are willing and able to draft and execute the necessary approval and subordination agreement, please do so, and return four executed copies attached to four of the copies transmitted herewith, retaining one of the copies for your files.

Sincerely yours,

C. O. Mittendorf

Administrator

Enclosures 5

JLHofflund:ep 8-24-53

Copy to: Mails & Files
Admr. R. File
Oper. Comm.
DMEA Field Team, Reg.II (2)
Mr. Irving G. Irving
Mr. Martin (2)
Mr. Chambers
Mr. Hofflund
Mr. Kane
Chron.
Pending

August 21, 1953

E-604

Memorandum

To: The Administrator
Through: Mr. W. S. Martin

From: Chief Counsel

Subject: Irving G. Irving and Robert H. Nelson, Partners
Docket No. DMEA-2874 (Manganese), Plutus lode
mining claim, Silver Bow County, Montana

Attached hereto is a redraft of the subject contract, which was submitted to you with my memorandum dated August 14, signed by Albert E. Kane for myself.

After a review of the lengthy docket, I found it necessary to redraft the contract and to prepare for your signature a submission of it to the Administrator of General Services for his approval before it can be entered into.

One of the operators, Irving G. Irving, owns a one-fourth interest in the property which is the subject of the contract, and a lease on the remaining undivided three-fourths. In view of the fact that these interests are specifically described in the proposed exploration contract, I deem it unnecessary to require Irving G. Irving to transfer his interest in the property to the partnership of Irving and Nelson.

The lease expires June 30, 1956, the remaining term being something less than three years. Ordinarily, this short term would not be acceptable to DMEA, particularly in the absence of an owner's consent to lien, which these operators are unable to obtain. However, it is my understanding that, in view of the character of these mineral deposits (manganese) and the probability that production can be completed within the short term of the lease, DMEA is willing to accept this short term even without an owner's consent to lien with respect to the undivided three-fourths interest. However, for whatever it is worth, the operator should be required to execute a guaranty of payment of the percentage royalty on any production from the land within a period of

ten years. Such guaranty will be attached to the contract for execution by the operator. (There is such a guaranty now in the docket file, but it is insufficient in its provisions in that it relates to an old-form contract.)

Various letters in the docket indicate that the project as a whole involves both the Plutus and the Norwich claims (See letter of Feb. 18, 1953, DeNuff to Selfridge; the operator's answer to Question 4 on Form MF-100; letter of May 19, 1953, the operator to the Administrator; and letter of May 23, 1953, the operator to Crittenden), and in fact the operator at one point proposed that the exploration project be amended to include both claims. Under these circumstances, ordinarily, DMEA would require that both claims be included in the description of the land so that the Government's royalty on production would relate to the entire project. Annex II is attached to the exploration contract to explain and justify limiting the exploration project to the one claim.

There appears in the docket file a memorandum dated May 26 from the Chief of the Iron and Ferroalloys Division to the Chief Counsel and the Chief of Contract Administration and Audit Division, pointing to the necessity for prompt action looking toward entering into the contract on account of the financial straits of the operators, and suggesting that it would be well to investigate the legal and auditing aspects of the matter in advance. Pursuant to this suggestion, a draft of a letter was prepared from DMEA to DMPA with respect to the latter's approval of the proposed exploration contract and subordination of its mortgage claims. This letter was not used, but in place thereof, the Administrator wrote to the operator under date of June 4, indicating that the operator's application would not be acted upon "until the 225-foot level of the Plutus mine could be reopened and the Plutus vein exposed and sampled." In view of the slow rate of progress that was then being made on the Plutus shaft, and the impossibility of making any presentation to DMPA without a proposed contract attached, nothing further was done on the matter by this office until the recent submission to it of a contract for drafting.

The foregoing is set forth in detail because the docket file is voluminous and it is difficult to understand the requirements of the case without reading everything in the file.

J. L. Hofflund
Chief Counsel

Attachments

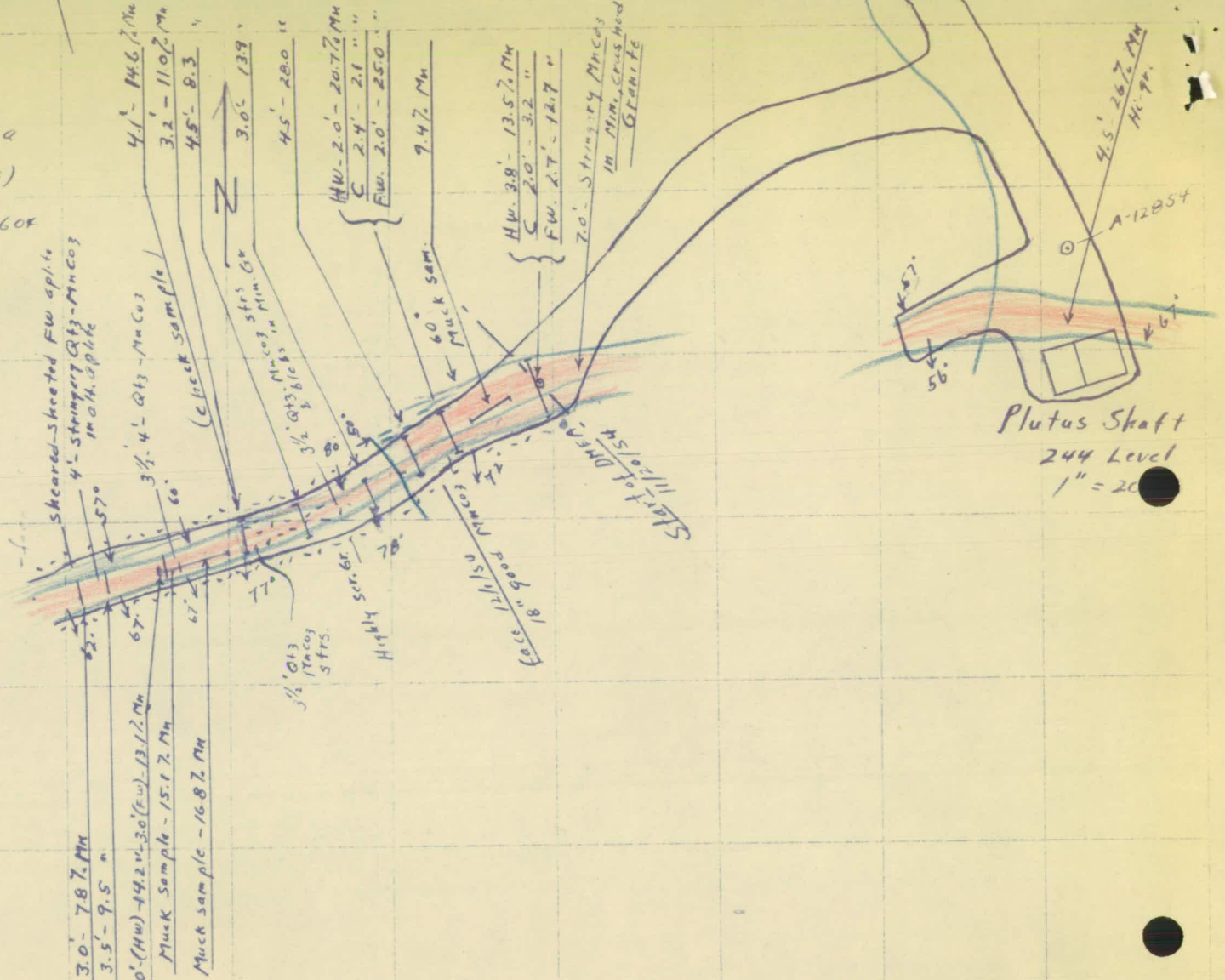
Copy to: Mr. Hofflund
Mails & Files
Mr. Kane
Adm. R. File
Chron.
Mr. Martin
Mr. Chambers

JLHofflund:ep

Plutus Mine
(Manganese
Butte, Silver Bow Co, Montana
(Showing 244 Level Drift west)

DMEA - 2874 - Contract - Idm - F 60x
1" = 20'

I. G. Irving & R. H. Nelson



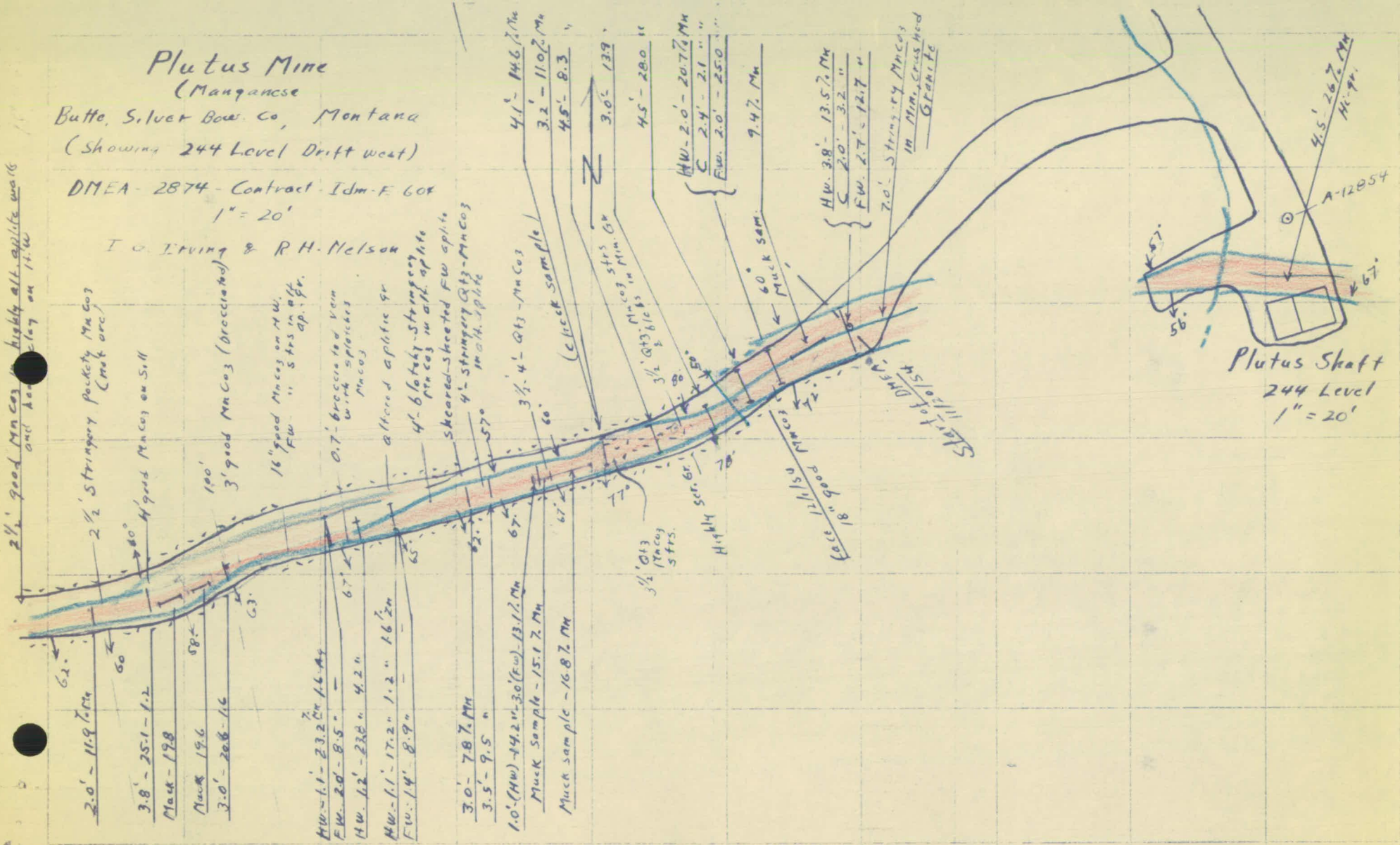
A
Shipment of
41.1 LDT - 16.0% Mn
resolted from
advance from
38' to 61'

DEPARTMENT OF THE INTERIOR
Juneau, Alaska Administration
RECEIVED
FEB 27 1955

Plutus Mine
(Manganese
Butte, Silver Bow Co, Montana
(Showing 244 Level Drift west)

DMEA - 2874 - Contract - Idm-F 60x
1" = 20'

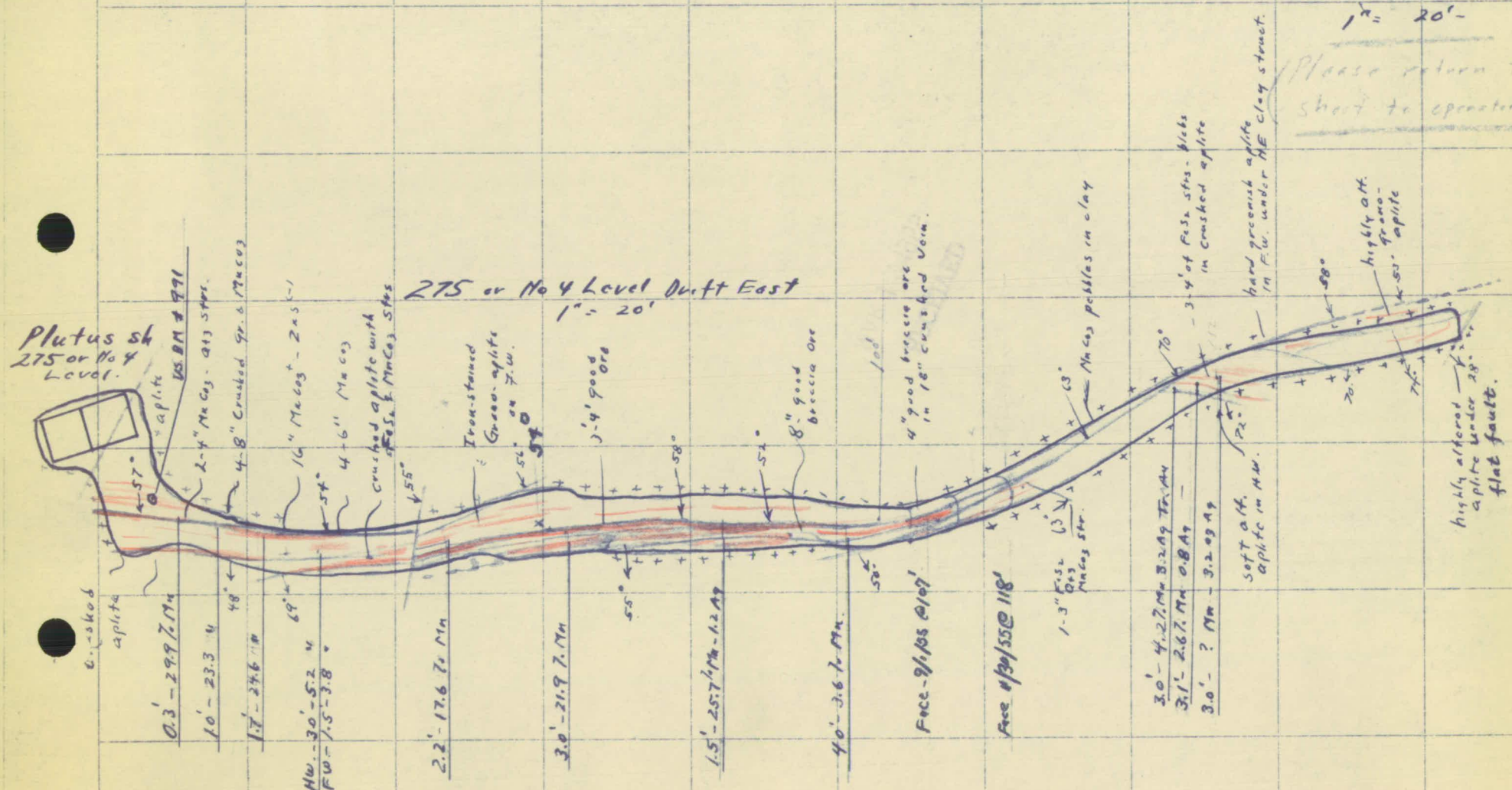
I. O. Irving & R. H. Nelson



A
Shipment of
41-1 LOT - 16.0% Mn
resulted from
advance from
38' to 61'

Plutus Mine
DMEA - 2874
Contract - Idm - E-604
I. G Irving & R H Nelson
43 Hargrove Bldg. Butte, Mont.
1" = 20'

(Please return this sheet to operators)



RECEIVED
MAR 12 1956

NORWICH MINE

(D.M.E.A. 2874) I.D.M. [illegible]

400 FT. LEVEL

(395' BELOW COLLAR)

RED = VEIN

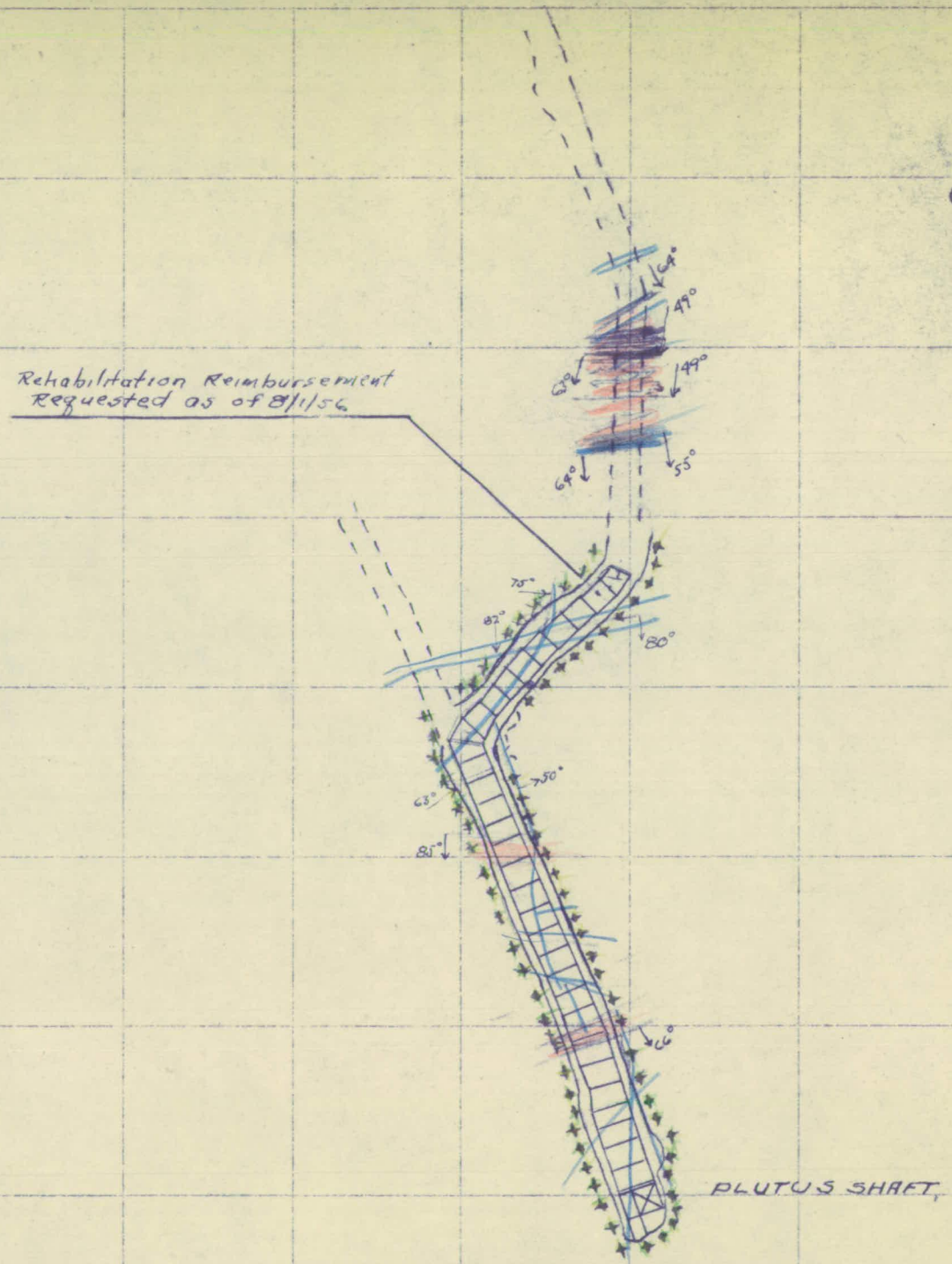
BLUE = FAULT

DOTTED - OLD WORKINGS 4'x6'

SOLID - NEW and REOPENED

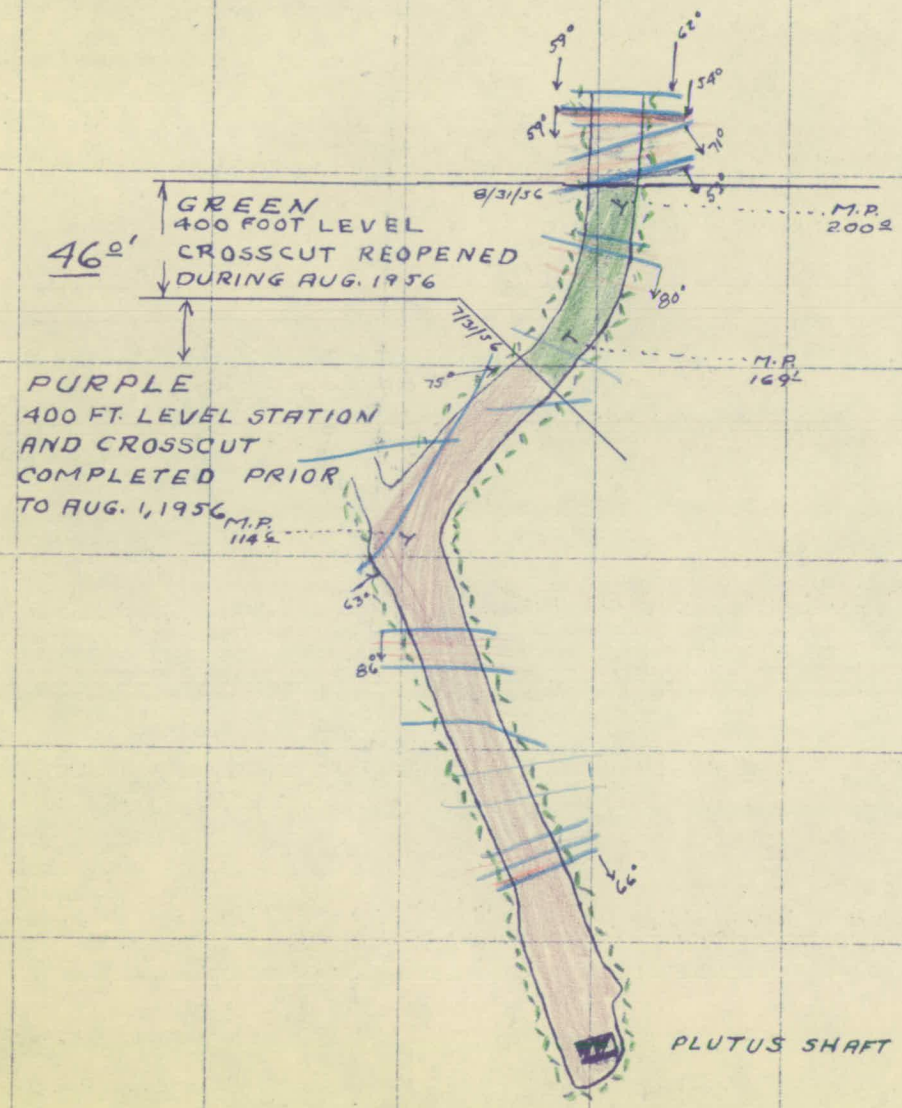
1" = 40'

PROGRESS AS OF 8/1/[illegible]



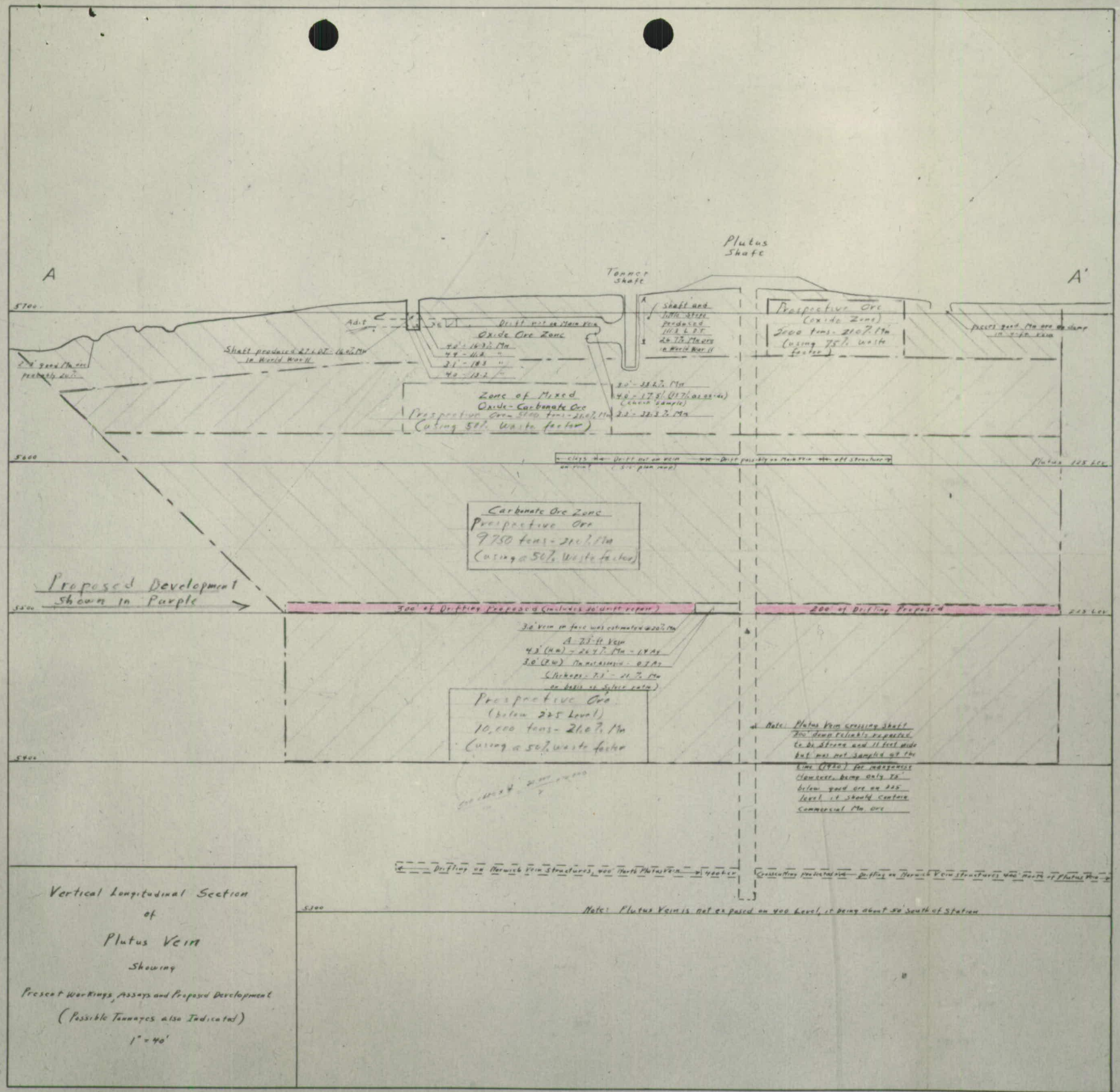
RECEIVED
OCT 22 1956

RECEIVED
OCT 22 1956



N

400 FT. LEVEL
NORWICH MINE
1" = 40'
D.M.E.A. Docket #2874 Contract IDM-E-604
I.G. IRVING & ROBERT H. NELSON



Vertical Longitudinal Section of Plutus Vein Showing Present Workings, Assays and Proposed Development (Possible Tonnages also Indicated) 1" = 40'

Fig. 2
Vertical Longitudinal Section
A-A'

Plutus Mine

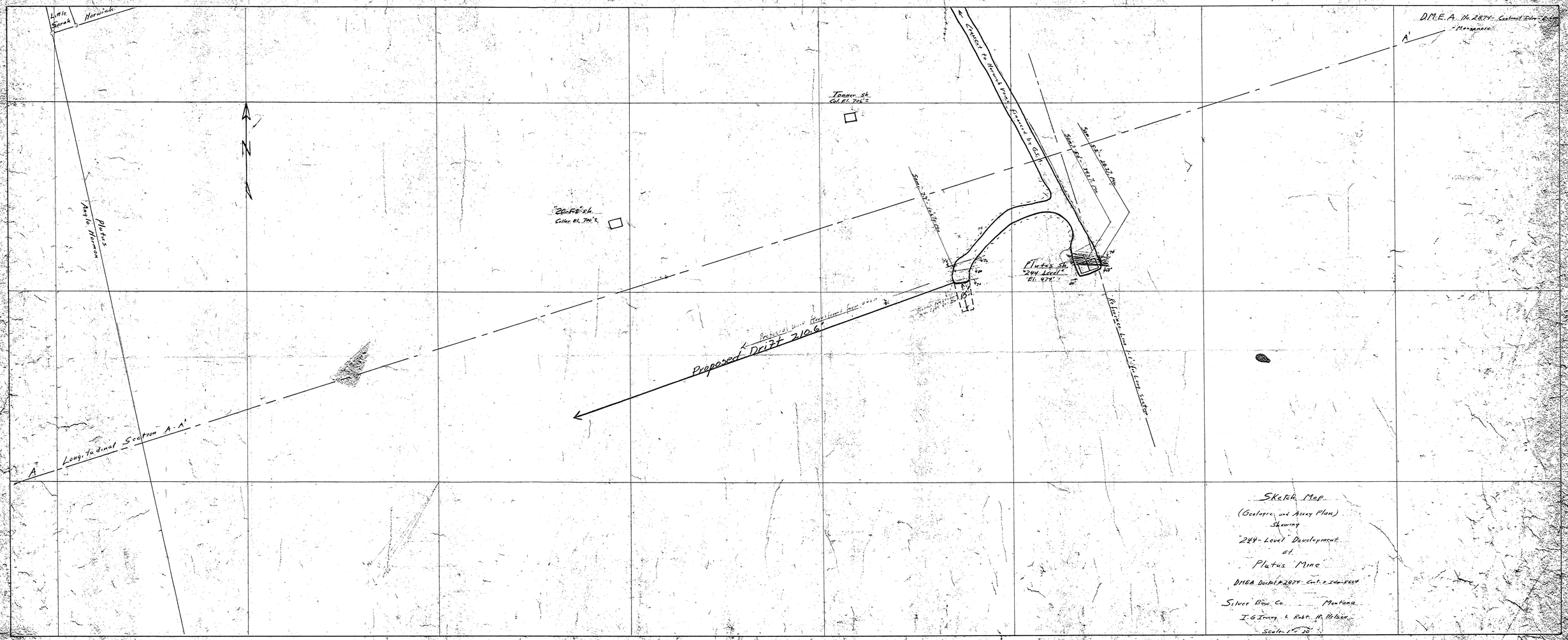
Silver Bow Co. Montana

1" = 20'

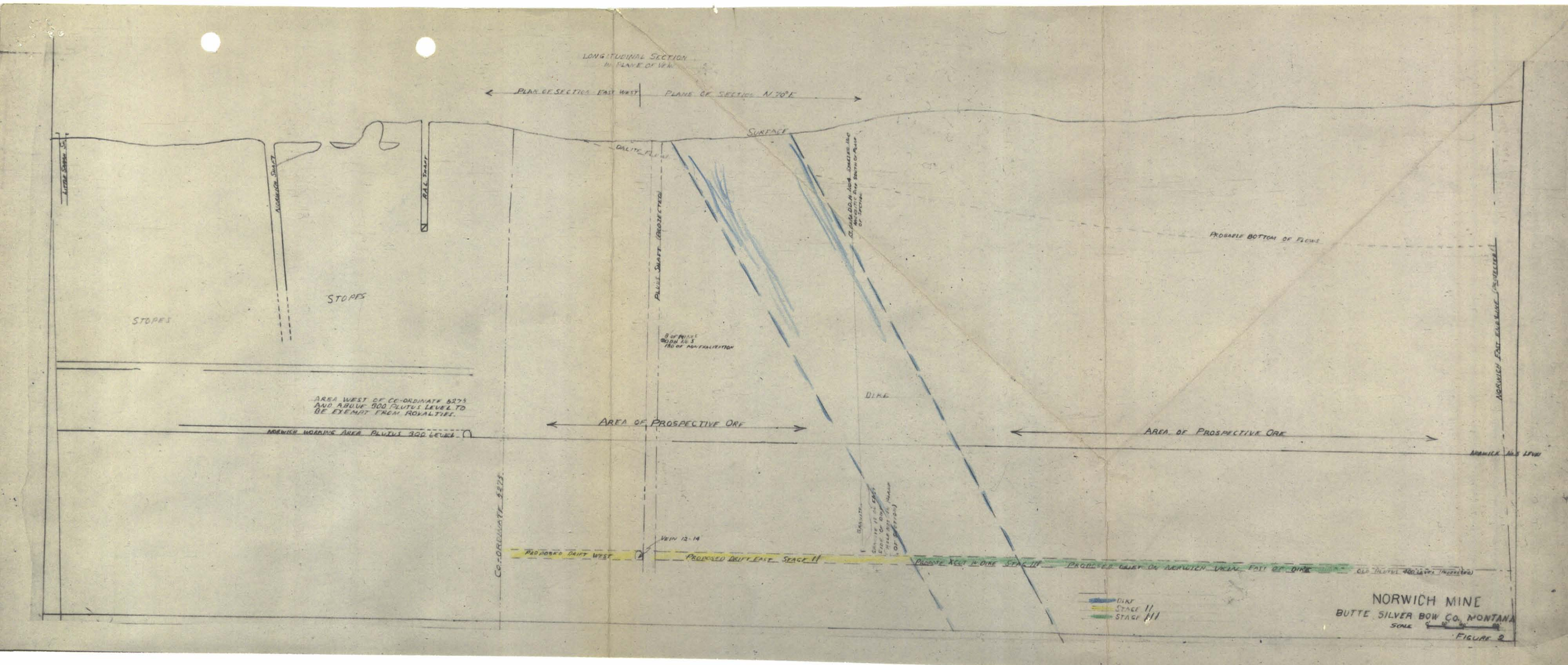
DMEA Docket No. 2874

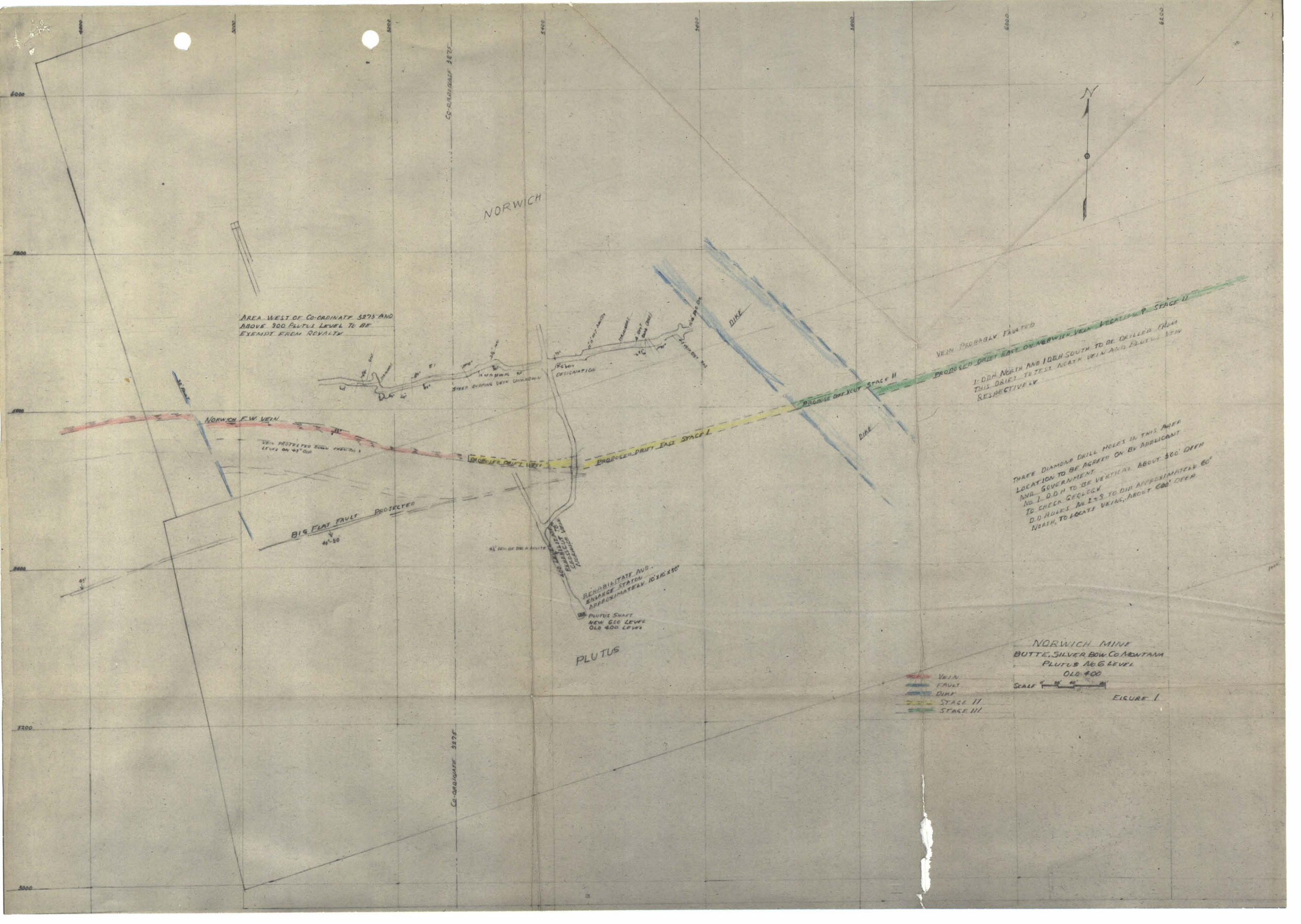
Contract - Idm - E-604

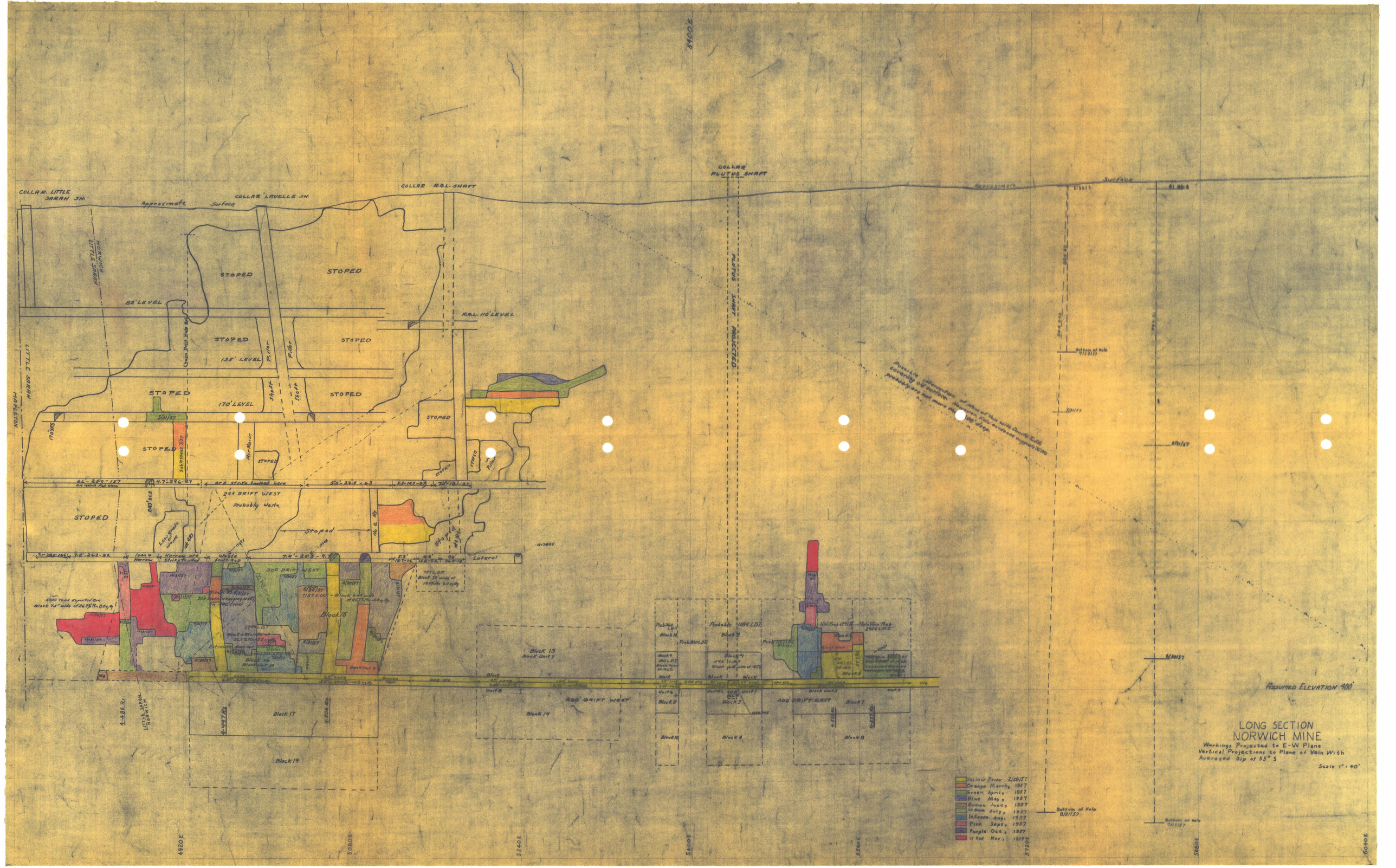
I. G. Irving & Robt. M. Nelson
43 Hirbour Bldg. Butte, Montana



Sketch Map
(Geologic and Assay Plan)
Showing
"244-Level" Development
of
Plutus Mine
DMEA Docket # 2874- Cont. # 24-5604
Silver Bow Co. Montana
I. G. Irving & Robt. M. Nelson
Scale: 1" = 20'


LONGITUDINAL SECTION
IN PLANE OF VEIN
PLANE OF SECTION EAST WEST
PLANE OF SECTION N 70° E
SURFACE
DACITE FLOW
NORWICH SHAFT
RAL SHAFT
PLUTUS SHAFT (PROJECTED)
STOPES
STOPES
PROBABLE BOTTOM OF FLOWS
DIKE
AREA WEST OF CO-ORDINATE 5273
AND ABOVE 900 PLUTUS LEVEL TO
BE EXEMPT FROM ROYALTIES.
NORWICH WORKING AREA PLUTUS 900 LEVEL
AREA OF PROSPECTIVE ORE
AREA OF PROSPECTIVE ORE
NORWICH NO 5 LEVEL
CO-ORDINATE 5273
VEIN 12-14
PROPOSED DRIFT WEST
PROPOSED DRIFT EAST STAGE II
PROPOSED XCUT IN DIKE STAGE III
PROPOSED DRIFT ON NORWICH VEIN EAST OF DIKE
DIKE
STAGE II
STAGE III
NORWICH
BUTTE SILVER BOW CO. MONTANA
SCALE
FIGURE 2


NORWICH
AREA WEST OF CO-ORDINATE 5275 AND ABOVE 300 PLUTUS LEVEL TO BE EXEMPT FROM ROYALTY
NORWICH F.W. VEIN
VEIN PROJECTED DOWN FROM 3 LEVEL ON 45° DIP
BIG FLAT FAULT PROJECTED
45°-50°
PROPOSED DRIFT WEST
PROPOSED DRIFT EAST STAGE I
PROPOSE DRIFT XCUT STAGE II
PROPOSED DRIFT EAST ON NORWICH VEIN LOCATION & STAGE II
VEIN PROBABLY FAULTED
1-DDH NORTH AND 1 DDH SOUTH TO BE DRILLED FROM THIS DRIFT TO TEST NORTH VEIN AND PLUTUS VEIN RESPECTIVELY
DIKE
DIKE
STEEP DIPPING VEIN UNKNOWN
ROYALTY DESIGNATION
REHABILITATE AND ENLARGE STATION APPROXIMATELY 10'X10'X50'
PLUTUS SHAFT
NEW 600 LEVEL
OLD 400 LEVEL
PLUTUS
CO-ORDINATE 5275
THREE DIAMOND DRILL HOLES IN THIS AREA LOCATION TO BE AGREED ON BY APPLICANT AND GOVERNMENT.
NO. 1 D.D.H TO BE VERTICAL ABOUT 500' DEEP TO CHECK GEOLOGY
D.D HOLES No. 2 & 3 TO DIP APPROXIMATELY 60° NORTH, TO LOCATE VEINS, ABOUT 600' DEEP
NORWICH MINE
BUTTE, SILVER BOW CO. MONTANA
PLUTUS No. 6 LEVEL
OLD 400
VEIN
FAULT
DIKE
STAGE II
STAGE III
SCALE
FIGURE 1


LONG SECTION
NORWICH MINE
Workings Projected to E-W Plane
Vertical Projections to Plane of Vein With
Averaged Dip of 55° S
Scale 1" = 40'
Resulted Elevation 400'
COLLAR LITTLE SARAH SH.
COLLAR LAVELLE SH.
COLLAR R.R.L. SHAFT
COLLAR PLUTUS SHAFT
Approximate Surface
NORWICH LITTLE SARAH
LITTLE SARAH
PLUTUS SHAFT PROJECTED
88' LEVEL
135' LEVEL
170' LEVEL
R.R.L. 110' LEVEL
STOPED
244 DRIFT WEST
Probably Waste
300 DRIFT WEST
400 DRIFT WEST
400 DRIFT EAST
Lateral
Block 13
Block 14
Block 15
Block 16
Block 17
Block 19
Block 8
Block 9
Block 11
Block 12
Block 18
Yellow Prior 2/28/57
Orange March, 1957
Green April, 1957
Blue May, 1957
Brown June, 1957
Lt Blue July, 1957
Lt Green Aug, 1957
Pink Sept, 1957
Purple Oct, 1957
Lt Red Nov, 1957
4920E
5080E
5240E
5400E
5560E
5720E
5880E
6040E