MME Form 64
Aug. 60

ANNUAL REPORT OF CERTIFIED PROJECT
OR PROJECT UNDER ROYALTY AGREEMENT

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION

From: Field Officer
Region I

Signature: D.C. McLaren

Date: September 21, 1960

To: Director, Office of Minerals Exploration

Concerning:
Docket No. DMEA-432 E-1

Commodity Zinc

Operator Mines Management, Inc.

Property Iroquois

Location Stevens County, Wash.

Period Covered by this Report: 1/ 1/58 - 9/21/60

ORE ESTIMATES	Original DMEA or OME (From Final Report)	Revised DMEA or OME:	Found by Operator after DMEA-OME work
Analysis	4.011% Zn; 1.669% Pb		
Tons Found	188,962		
Tons Produced (Ore or Concentrate)	None		
Previously Reported	None		
This Period	None		
Tons Remaining	188,962		

Source of Information - Visit ☐ Date of Examination _____ Correspondence ☐
Other (specify) Telephone conversation with W. R. Green, President.

Current status of property - Operating ☐ Closed ☒ Abandoned ☐

Changes in ownership (describe and attach pertinent documents if not submitted before).

None

Remarks: (Include information on stockpiled ore and delinquent royalties.)
W. R. Green, president of the company, reports that Rare Metals drilled the bulldozed area mentioned in the last Semi-Annual Report (July 1 - Dec. 31, 1957). Four surface diamond drill holes, each to a depth of 200 to 250 feet, encountered some sulfide minerals but were not deep enough to penetrate completely the oxidized zone and the results, while encouraging were not conclusive.

OFFICIAL FILE COPY
O.M.
RECEIVED SEP 23 1960

DATE	INITIALS	
9-23	gad	200
"	fcg	110
		100
9/26	bcg	800
"	gla	500
		225

Submit this form (original only) to report data each year. No report is required for projects inactive during the entire year.

79363-60

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

500

August 4, 1958

MEMORANDUM:

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

From: Director, Division of Base Metals

Subject: Semi-Annual Reports of Certified projects for the period January 1, 1958 thru June 30, 1958.

The following projects were inactive during the cited period.

Docket No.	Contract No.	Name
DMEA-3112	Idm-E651	Centrida Mines, Inc.
DMEA-432	Idm-E1	Mines Management, Inc.
DMEA-81	Idm-E18	United Minerals Corporation
DMEA-1166	Idm-E76	American Zinc, Lead & Smelting Co.
DMEA-390	Idm-E63	Highland-Surprise Cons. Mining Co.
DMEA-125	Idm-E81	Bennett Mining Company
DMEA-981	Idm-E88	Idaho Mining Company
DMEA-525	Idm-E137	Spokane Mining Syndicate
DMEA-1877	Idm-E155	William Mulcahy
DMEA-652	Idm-E177	South Mt. Mining & Concentrating Co.
DMEA-1596	Idm-E184	Kabob Silver-Lead Company

DMEA-2166	Idm-E208	Farmer Mine Enterprises
DMEA-1959	Idm-E223	Wylie M. Gardner and L. R. Vance
DMEA-2123	Idm-E228	Pacific Northwest Mining Company
DMEA-1831	Idm-E242	William Soren
DMEA-1175	Idm-E251	Amador Mining Company (assignee of Kootenay Copper Mines)
DMEA-1894	Idm-E266	Buchman, Brechen and Norden
DMEA-2213	Idm-E294	Elmer Enderlin
DMEA-2388	Idm-E301	American Zinc, Lead & Smelting Co.
DMEA-2269	Idm-E308	Mines Management, Inc.
DMEA-2420	Idm-E380	Hypothesis Mining & Milling Co.
DMEA-2237	Idm-E421	Signal Mining Company
DMEA-2637	Idm-E475	Golconda Lead Mines
DMEA-2862	Idm-E482	Spokane-Idaho Mining Co.
DMEA-2612	Idm-E489	Granore Company (assignee of Index Mining Company)
DMEA-2989	Idm-E587	Grandview Mines
DMEA-3142	Idm-E644	News Sound Company
DMEA-3288	Idm-E667	Alaska Copper Mines, Inc.
DMEA-3664	Idm-E819	Highland-Surprise Cons. Mining Co.

W. R. Griswold

WRG/dl 8-4-58
cc to: Dockets (28)
Admr. R. File
Chron.

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code

March 10, 1958

Memorandum

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

From: Director, Division of Base Metals

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

The following projects were inactive during the cited period.

Docket No.	Contract No.	Name
DMEA-432	Idm-E1	Mines Management, Inc.
DMEA-2341	Idm-E436	Western States Copper Corporation
DMEA-2388	Idm-E301	American Zinc, Lead & Smelting Company
DMEA-2426	Idm-E345	Ira L. Mosely
DMEA-2612	Idm-E489	Granore Company, Assignee, (Index Mining Company)

W. R. Griswold

8623

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DMEA
JAN 27 1958
500

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

SEMI-ANNUAL REPORT OF CERTIFIED PROJECT

Reporting period: July 1 to December 31, 1957

Date of report: December 18, 1957

Operator: Mines Management, Inc.
612 Chronicle Building
Spokane, Washington

Mine name: Iroquois

County and State: Stevens County, Washington

Docket number and commodity: DMEA-432 (zinc)

Contract number: Idm-K1

Property inactive. No change in reality status since report of January 1 to June 30, 1956.

In a telephone conversation with Mr. W. R. Green, company president, he stated that in the bulldozing for assessment work a vein with a strike length of 700 feet and width of about 100 feet had been uncovered. He said lead and zinc were visible but no sampling was done because the exposures were not believed to be representative of the non-oxidized ore zone. The company hopes to diamond drill in the spring. Mr. Green believes that this new find will equal the reserves now developed underground.

Signed: Galen G. Waddell (Engineer)

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

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DMEA
RECEIVED JAN 27 1958
DATE | INITIALS | CODE
1-28 | C | 220
28 | Com | 100
| | 500

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

SEMI-ANNUAL REPORT OF CERTIFIED PROJECT

Reporting period: July 1 to December 31, 1957

Date of report: December 18, 1957

Operator: Mines Management, Inc.
612 Chronicle Building
Spokane, Washington

Mine name: Iroquois

County and State: Stevens County, Washington

Docket number and commodity: DMEA-432 (zinc)

Contract number: Idm-E1

Property inactive. No change in royalty status since report of January 1 to June 30, 1956.

In a telephone conversation with Mr. W. R. Green, company president, he stated that in the bulldozing for assessment work a vein with a strike length of 700 feet and width of about 100 feet had been uncovered. He said lead and zinc were visible but no sampling was done because the exposures were not believed to be representative of the non-oxidized ore zone. The company hopes to diamond drill in the spring. Mr. Green believes that this new find will equal the reserves now developed underground.

Signed: Galen G. Waddell (Engineer)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

SEMI-ANNUAL REPORT OF CERTIFIED PROJECT

Reporting period: January 1 to June 30, 1957 Date of exam: May 21, 1957

Operator: Mines Management, Inc., 612 Chronicle Bldg., Spokane, Wash.

Mine name: Iroquois

County and State: Stevens County, Washington

Docket number and commodity: DMEA-432 (zinc)

Contract number: Idm-E1

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DMEA
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DATE		CODE
7/11	P	220
11	Com	100

Project inactive. The status remains the same as reported for the period of January 1 to June 30, 1956.

Surface equipment and buildings were inspected and thus far they have escaped damage by vandalism. All of the buildings and the door to the adit were locked.

In a telephone conversation with Mr. W. R. Green, company president, he stated that dozing work had been planned for this summer but because of the drop in the price of lead and zinc only assessment work would be done.

Signed: Galen G. Waddell (Engineer)

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

cwd

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JAN 22 1957
D.M.E.A.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

SEMI-ANNUAL REPORT OF CERTIFIED PROJECT

Reporting period: July 1 to December 31, 1956 Date of exam: Dec. 19, 1956

Operator: Mines Management, Inc., 612 Chronicle Bldg., Spokane, Wash.

Mine name: Iroquois

County and State: Stevens County, Washington

Docket number and commodity: DMEA-432 (zinc)

Contract number: Idm-E1

Project inactive. Mr. W. R. Green, president, Mines Management, Inc. stated that only bulldozing for assessment work has been done since the date of the last inspection. The status of the project remains as reported for the period of January 1 to June 30, 1956.

Signed: M. R. Lickes (Engineer)

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

[illegible]

Date [illegible] 1956

Referred to:

1. ~~Mr. Armstrong~~
2. ~~Mr. Johnson~~
3. ~~Mr. Stephens~~
4. Docket Control Mails and Files
5. [illegible]
6. Docket Control Mails and Files

Note comments in report regarding:

1. Inactive —
2. Status [illegible]
3.
4.

and take appropriate action.

- - - - - -

Action taken by Division:

Initials

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Reporting period: January 1 to June 30, 1956 Date of exam: June 26, 1956

Operator: Mines Management, Inc., 612 Chronicle Bldg., Spokane, Wash.

Mine name: Iroquois

County and State: Stevens County, Washington

Docket number and commodity: DMEA-432 (zinc)

Contract number: Idm-E1

Date of contract: May 16, 1951

Date of certification: July 16, 1952

Expiration date of royalty payments: May 16, 1961

Total amount of contract: $24,000.00

Total expenditures under contract: $24,000.00

Amount of Government participation at 50%: $12,000.00

Royalty payments this period: none

Previous royalty payments: none

Total royalty payments to date: none

Percent Government participation repaid: none

Royalty due on production to date: none

Royalty remarks: Royalty audit by C. E. Fisher, dated July 26, 1955

Original estimate of reserves (from final Engr.-Geol. report):	188,962 tons, average grade: 4.01% zinc 1.67% lead
Increase (or decrease) of reserves by work performed subsequent to original and last Field Team estimates:	none
Revised estimate of reserves:	none
Production this period:	none
Amount of previous production (since date of contract):	none
Total DMEA production to date:	none
Percent of revised reserves mined:	none

Production remarks:

The only production from the property has been development ore which remains on the dump.

Other remarks:

There are no signs of any activity since the date of the last inspection.

Signed: M. R. Lickes (Engineer)

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

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UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

SEMI-ANNUAL REPORT OF CERTIFIED PROJECT

Period: July 1, 1955 to December 31, 1955

Docket No.: DMEA-432
Contract No.: Idm-E1

Operator: Mines Management, Inc., 612 Chronicle Bldg., Spokane, Wash.

Commodity: Zinc

Mine name: Iroquois

County: Stevens
State: Washington

Date of contract: May 16, 1951

Date of certification: July 16, 1952

Expiration date of royalty payments: May 16, 1961

Date of examination for this report: November 21, 1955

Total amount of contract: $24,000.00

Total expenditures under contract: $24,000.00

Amount of Government participation at 50%: $12,000.00

Royalty payments this period: none

Previous royalty payments: none

Total royalty payments to date: none

% Loan repayment completed: none

Amount of royalty due: none

Royalty remarks: Royalty audit by C. E. Fisher, dated July 26, 1955

Original estimate of reserves
(from final Engr.-Geol. Report): 188,962 tons, average grade 4.01% zinc and 1.67% lead

Increase (or decrease) of reserves by work performed subsequent to expiration or termination of contract: none

Revised estimate of reserves:

Production this period (ore or concentrates): none

Amount of previous production (since date of contract): none

Total DMEA production to date: none

% of revised reserves mined:

Production remarks:

The only production from the property has been development ore which remains on the dump.

Other remarks: (Investments, etc.)

No further exploration has been done since termination of the DMEA contract.

Signed: M. R. Lickes (Engr.)

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

432

ASSION ON INTE

MAR 3 0 1956

Date

Referred to:

1. ~~Mr. Mattenkort~~
2. ~~Mr. Weinstein~~
3. Mr. Chambers
4. ~~Docket Control Mails and Files~~
5. ~~Case Attorney~~ Division
6. Docket Control Mails and Files

Note comments in report regarding:

1. Cost of mill?

2.

3.

4.

and take appropriate action.

- - - - -

Action taken by Division:

3/4/56 - Letter forwarded below to F.P.C. to obtain complete cost of this 30-ton mill.

ROBERT E. ADAMS

Initials

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

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

Operator: Mines Management, Inc.

Mine name: Iroquois

County and State: Stevens County, Washington

Docket No. and Commodity: DMEA-432 (zinc)

Contract No.: Idm-E1

Other Remarks: (Page 2)

Ore reserves remain as estimated in the final report on the project. Additional exploration-development carried on during 1952 as a continuation of the DMEA project confirmed the estimate made when this project was completed. Reserves remain in place; no mining has been done since the project.

During the summer of 1952 a 50-ton mill was built by the company near Northport, Washington, to make a trial of the flowsheet indicated by laboratory mill tests. Falling prices for lead and zinc discouraged erection of a large capacity mill, and no further work has been done.

The financial status of the Operator precludes production for the immediate future; production during the next 10 years is problematical. Although the grade and size of the deposit compare favorably with operating mines in the district, no plans are being made to exploit the Iroquois mine.

Signed: M. R. Lickes (Engr.)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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SEMI-ANNUAL REPORT OF CERTIFIED PROJECT

Period: January 1, 1955 to June 30, 1955

Docket No. DMEA 432 (zinc) Contract No. I-DMA-E1

Operator: Mines Management, Inc.
612 Chronicle Building
Spokane, Washington

Name of mine: Iroquois mine

County: Stevens State: Washington

Date certified: July 16, 1952 Date of last inspection: June 21, 1955

Inspection engineer: M. R. Lickes

Contract amount: $24,000.00

Amount spent: $24,000.00 Government participation: $12,000.00

Amount repaid to date: none

Reserves: 188,962 tons, averaging 4.01% zinc and 1.67% lead.

Remarks: There has been no production since the completion of the exploration program, and no activity has been observed at the mine. Equipment remains in place.

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

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

SEMI-ANNUAL REPORT OF CERTIFIED PROJECT

Period: July 1, 1954 to December 31, 1954

Docket No. DMEA 432 (zinc) Contract I-DMA-E1

Operator: Mines Management, Inc.
612 Chronicle Building
Spokane, Washington

Name of mine: Iroquois mine

County: Stevens County State: Washington

Date certified: July 16, 1952 Date of last inspection: See "Remarks".

Contract amount: $24,000.00

Amount spent: $24,000.00 Government participation: $12,000.00

Amount repaid to date: none

Reserves: 188,962 tons 4.01% Zn, 1.67% Pb

Remarks: The property is checked on intermittently. There has been no production since the completion of the exploration program, and no activity has been observed at the mine.

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

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

[illegible] 15[illegible] [illegible]ward Street
[illegible], [illegible]ington

Y

February [illegible], 1954

[illegible]. [illegible] [illegible]elfridge, Chairman
[illegible]ting Committee, [illegible]
Department of the Interior
[illegible]ington 25, [illegible]. [illegible].

Re: [illegible]-[illegible]al [illegible]port of
[illegible]ertified [illegible]rojects, [illegible]rion II

[illegible] [illegible]r. [illegible]elfridge:

In accordance with instructions given in [illegible] Circular [illegible], we are enclosing our Semi-Annual Report on Certified Projects as of [illegible]ember 31, 195[illegible].

Sincerely yours,

[illegible] [illegible]
For: [illegible]. [illegible]. [illegible]
[illegible]ecutive [illegible]ficer,
[illegible], [illegible]rion II

SEMI-ANNUAL REPORT

STATEMENT OF CERTIFIED PROJECTS, REGION II
PRODUCTION TO WHICH DMEA ROYALTIES ARE APPLICABLE
JULY 1, 1953, THROUGH DECEMBER 31, 1953

Docket No. DMEA-	Name of Property	Contract No. Idm-	Commodity	In Production	Amount Produced 7-1-53 to 12/31/53	Amount Produced Total to 12/31/53	Royalties Paid 7/1/53 to 12/31/53	Royalties Paid to Date	Has Operator Transferred Property
Idaho									
1959	Gardner & Vance (Hoodoo)	M223	pb-zn	No					No
1/ 1956	Nabob Silver-Lead Mng.Co.	M184	pb-zn	Yes	243.1505 T Cons.	759.8195 T Cons.	$ 479.87	$ 2,701.85	No
652	South Mtn. Mng. Co.	M177	pb-zn	Yes	917.3475 T	1241.4465 T	651.13	966.27	No
Montana									
129	Bennett Mining Co.	M81	pb-zn	No					No
1877	Mulcahy, William	M155	pb	No					No
2260	Pohl-Hogan (January Mine)	M246	pb-zn-cu	Yes	461.7585 T	1156.478 T	1,286.27	2,738.75	No
Washington									
1166	Amer. Zinc, Lead & Smelt. Co. (Grandview)	M76	pb-zn	No					No
2166	Hartbauer C. M. & M. C. (Farmer)	M208	pb-zn	No					No
432	Mines Management, Inc.	M1	pb-zn	No		25.561 T		85.10	No

1/ No formal certification of discovery or development issued; Government's right to percentage royalty preserved by language included in Mutual termination agreement dated September 17, 1953.

DEFENSE MINERALS EXPLORATION ADMINISTRATION

For the period January 1 - June 30, 1957

Base Metals Division Date February 13, 1958

Semi-Annual Report - Certified Project Date

DMEA No. 432 Operator Mines Management, Inc. Contract No. Idm-E 1

Ore Reserves

Ore Estimates	Tons	Analysis
Original (DMEA)	188,962	Zn. 4.01, Pb. 1.67
Increase (Operator)		
Total		
Decrease (Production)		
Net Available		

Investment

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

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

Facilities

Mine Plant		Mill		Roads	
Description	Cost	Description	Cost	Description	Cost

Remarks

W. R. Griswold/er

432

WASHINGTON

STEVENS COUNTY

February 1, 1952

Mines Management, Idm-E1, Zn

50-50 of $24,000.00

100 shifts

The objectives of this exploration are possible extensions of a mineralized zone above and below the present workings. The contract specifies 2,800 feet of diamond drilling.

The program is approaching completion and a final report by the operator is being prepared. The first down holes failed to find ore, necessitating solution of a fault problem and a revision of the exploration program. The operator claims that he has added 188,000 tons of ore having a weighted assay of 3.8 percent Zn, and 0.90 percent Pb to existing ore reserves of 230,000 tons, whose assay averages 3.71 percent Zn-Pb. Additional tonnage may be inferred from the supposed faulted segment of the ore zones, as deliniated by the diamond drilling program, but information on grade is scanty.

MF-104
(August 1951)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Contract No.
Idm-E 1

Name of Operator Mines Management, Inc.
Docket No. DMA 432
Total Contract Amount $ 24,000.00
Government Participation: 50 % Amount, $ 12,000.00
Distribution of Expenditures for Month of January, 1952

STRATEGIC AND CRITICAL MINERAL EXPLORATION PROGRAM
OPERATOR'S MONTHLY PROGRESS REPORT

Operators are to submit monthly reports to the designated field representative of the Defense Minerals Administration. Reports are to be submitted in quadruplicate prior to the 15th day of the month following the reporting period.

Narrative.—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered is to be furnished.

Maps.—Wherever possible, the narrative is to be illustrated with maps or sketches showing formations penetrated and location and assays of samples taken as well as advances in workings. In the case of diamond drilling or churn drilling, the location and inclination of holes is to be shown on a map; logs and assays also are to be submitted.

Cost Accounts.—All applicable parts of this form are to be filled in. This report will form the basis for payments of the Government's participating share of expenses. Audits of accounts may be made from time to time.

CERTIFICATION

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

Mines Management, Inc.
(Name of Company)

By [signature]
(Signature of Authorized Official)

February 4, 1952
(Date)

President
(Title)

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

16—64068-3

MONTHLY SUMMARY COST STATEMENT

List as Shown on Exhibits Attached to Contract

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only		
				Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
1. Fixtures and Improvements:						
(*a*) Facilities						
(*b*) Buildings						
(*c*) Fixtures						
2. Operating Equipment:						
(*a*) Purchased[1]						
(*b*) Rented[2]						
(*c*) Furnished by operator						
3. Rehabilitation and Repairs:						
(*a*) Facilities						
(*b*) Buildings						
(*c*) Installations						

MINES MANAGEMENT, INC.

Progress Report

Project - I-DMA-41

January 1 - January 31, 1952

The DMEA matching fund exploration program continued at the Iroquois Mine during the month of January. By the end of the month the funds had been exhausted.

Diamond drill hole V was completed at a depth of 143.4 ft. Diamond drill hole W was completed at 90.1 ft.; and diamond drill hole X was completed at a depth of approximately 90 ft.

During the program 16 holes were completed having a total length of 2832.5 ft., and 151.5 ft. of crosscut were driven.

In the last three holes completed sections of ore were found. These cores have not as yet been split for assaying.

Work has started on preparing a final report covering the project. This will be submitted as soon as it is completed.

Project Complete

MONTHLY SUMMARY COST STATEMENT—Continued

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(d) Fixtures						
4. Labor[3]	110.00	8638.93	8748.93			
5. Supervision	147.00	714.86	861.86			
6. Supplies						
(a) Timber						
(b) Explosives	- 0 -	305.17	305.17			
(c) Repair Parts						
(d) Other Core Boxes	28.00	443.92	471.92			
7. Power	121.29	1319.90	1441.19			
8. Transportation	49.81	277.84	327.65			
9. Insurance						
(a) Fire						
(b) Public Liability						
(c) Workmen's Compensation						
10. Contract Work	1650.50	9947.78	11598.28			
11. Other (specify)	- 0 -	245.00	245.00			
Total	2106.60	21,893.40	$24,000.00			
Deletions						
Adjusted totals						
Totals previously reported						
Totals to date	✓	✓	✓			

[1] Enter amount paid during month toward total purchase price.
[2] Payments for rental of equipment or prorated depreciation on equipment owned by contractor.
[3] Submit copy of the Social Security form filed under the Old Age Insurance system showing complete wage and salary data or furnish copy of payroll sheet giving same data.

NOTE.—Indicate that portion of supervisory, office, and engineering salaries that is chargeable to this project.

FOR GOVERNMENT USE ONLY

Checked by W R Lee
Entered by
Approved by Elmer A Magill
Amount approved for payment $105.31
Remarks
Final Payment

16—64068-3

EXPLORATION UNIT COST AND PROGRESS REPORT FOR MONTH OF January

(Supply Data Below Applicable Only to Your Operations)

Item	Costs					Progress [4]				
	Wages [1] and salaries	Equipment [2]	Supplies	Other [3]	Total	Unit	Units this month	Units previously reported	Units to date	Units authorized by contract (Exhibit A)
Drifting										
Crosscutting						Feet	-0-	151.5	151.5	150
Raising										
Shafts										
Winzes										
Drill holes	257.00		28.00	1650.50*	1935.50	Feet	300	2473	2773	2800
Overburden										
Rehabilitation and preparation										
Geology and geophysics										
Trenching										
Sampling and assaying										
Roads and trails										
Test pits										
Other (specify) Power				121.29	121.29					
Transportation				49.81	49.81					
Totals	257.00		28.00	1821.60	2106.60					

[1] Prorate supervisory, engineering, and office salaries in proportion to man-shifts of direct labor.
[2] Prorate charges for equipment that is not exclusively for one type of job (such as compressors) against authorized units of work in each category.
[3] Where entries in the "Other" column (above) are more than 25 percent of the total expenditures, a breakdown of this item should be made.
[4] Specify whether feet, cubic feet, acres, miles, etc.

16—64068-3 U. S. GOVERNMENT PRINTING OFFICE

*For Contract Diamond Drilling

Sheet No. 1

MINES MANAGEMENT, INC.
RECORD OF SAMPLING

OPENING: D.D.H. #1
Location: Face #2 XC
Elevation of Collar:
Depth: 102.3'
Dip: - 90°
Bearing:
Date Begun:
Date Finished:

PROJECT: DMA
Location: Iroquois

Williams 13 Feb. '52

Footage			Sample Nos.		Analyses								Remarks
					Core				Sludge				
From:	To:	Feet	Core	Sldg.	Pb	Zn							
0'	4'	4.0	580B		0	4.6							
4'	7'	3.	634B		1.85	3.12							
7'	9½'	2.4	635B		0.32	1.02							
9.4	11.0	1.6	581B		Tr	10.2							
11'	14'	3.0	636B		1.12	3.10							
14'	17'	3.0	582B		0.9	23.7							
17'	18.6	1.6	583B		Tr	7.0							
18.6	19.9	1.3	584B		8.0	13.5							
19.9	20.8	0.9	637B		0.50	1.25							
20.8	23.4	2.6	638B		0.33	0.95							
23.4	25.0	1.6	639B		0.30	1.04							
25.0	27.0	2.0	640B		9.80	1.25							
27.0	28.1	1.1	641B		2.03	2.25							
28.1	29.5	1.4	585B		Tr	14.5							
29.5	34.0	4.5	586B		0	0.4							
34.0	35.1	1.1	587B		0	Tr							
42.8	44.1	1.3	588B		0	0.6							

Sheet No. 1

MINES MANAGEMENT, INC.
RECORD OF SAMPLING

OPENING: D.D.H. Y
Location: #10 XC
Elevation of Collar:
Depth:
Dip: 0°
Bearing: Direction #10 XC
Date Begun:
Date Finished:

PROJECT: Mines Management
Location: Iroquois

Williams

Footage			Sample Nos.		Analyses								Remarks
					Core				Sludge				
From:	To:	Feet	Core	Sldg.	Pb	Zn							
42.4	44.2	1.8	642B		0.80	3.75							
44.2	47.2	3.0	643B		0.33	0.78							
47.2	49.4	2.2	644B		1.06	5.04							
49.4	51.9	2.5	645B		0.45	1.05							
51.9	53.6	1.7	646B		5.95	6.30							
53.6	55.9	2.3	647B		1.20	3.20							
55.9	57.3	1.4	648B		1.15	4.55							
57.3	58.8	1.5	649B		6.55	8.45							
58.8	60.6	1.8	650B		5.80	12.75							
60.6	62.7	2.1	651B		18.20	9.50							
62.7	64.4	1.7	652B		3.80	8.50							
64.4	67.3	2.9	653B		3.50	6.25							

Weighted average 42.4 to 67.3 24.9' 5.44% Zn 3.83 % Pb.

Sheet No. 1

MINES MANAGEMENT, INC.
RECORD OF SAMPLING

OPENING: D.D.H. #V
Location: #2 XC Drill Station
Elevation of Collar:
Depth: 143°
Dip: -45°
Bearing:
Date Begun: 3 Jan. '52
Date Finished: 19 Jan. '52

PROJECT: DMA
Location: Iroquois

Williams

Footage			Sample Nos.		Analyses								Remarks
					Core				Sludge				
From:	To:	Feet	Core	Sldg.	Pb	Zn							Good Zn
51.3	52.3	1	627B		16.35	19.80							

Sheet No. 1

MINES MANAGEMENT, INC.
RECORD OF SAMPLING

OPENING: D.D.H. #W
Location: #2 XC Drill Station
Elevation of Collar:
Depth: 90.2'
Dip: Horiz.
Bearing: 54° W
Date Begun: 21 Jan. '52
Date Finished: 26 Jan. '52

PROJECT: DMA
Location: Iroquois

Williams

Footage			Sample Nos.		Analyses								
					Core				Sludge				Remarks
From:	To:	Feet	Core	Sldg.	Pb	Zn							
45.5	48.9	3.4	628B		6.21	9.40							
48.9	50.9	2.0	629B		2.40	4.75							
68.0	68.7	0.7	630B		12.50	4.85							
68.7	69.7	1.0	631B		3.16	1.50							
77.0	78.5	1.5	632B		0.38	1.30							
87.8	89.1	1.3	633B		0.60	1.22							
		9.9			3.95	3.04							

5 x 3

Sheet No. 1

MINES MANAGEMENT, INC.
RECORD OF SAMPLING

OPENING: #2 XC Extension
Location: Iroquois
Elevation of Collar:
Depth:
Dip:
Bearing:
Date Begun: 13 Feb. '52
Date Finished: 13 Feb. '52

PROJECT: Mines Mgt.
Location: Iroquois

All Samples are Channeled
Rt. Wall

Channel Samples — South Lateral — Williams-Barry

Footage			Sample Nos.		Analyses								
					Core				Sludge				Remarks
From:	To:	Feet	Core	Sldg.	Pb	Zn							
0'	5'	5'	654B		8.50	6.70							
5'	10'	5'	655B		3.25	7.60							
10'	15'	5'	656B		28.35	19.25							
15'	20'	5'	657B		6.50	10.46							
20'	25'	5'	658B		1.58	3.60							
25'	30'	5'	659B		10.50	12.65							
					9.78	10.04							

Sheet No. 1

MINES MANAGEMENT, INC.
RECORD OF SAMPLING

OPENING: SE Lateral Extension
Location:
Elevation of Collar:
Depth:
Dip:
Bearing: S 55 E
Date Begun: 19 Feb. '52
Date Finished: 19 Feb. '52

PROJECT: Mines Management
Location: Iroquois

Williams

Footage			Sample Nos.		Analyses								Remarks
					Core				Sludge				
From:	To:	Feet	Core	Sldg.	Pb	Zn							
55.5	60.5	5'	660B		.75	3.25							
60.5	65.5	5'	661B		.30	.75							
65.5	70.5	5'	662B		8.50	2.80							
70.5	75.5	5'	663B		.85	1.10							
75.5	80.5	5'	664B		2.16	1.02							
80.5	85.5	5'	665B		.40	1.15							
85.5	90.5	5'	666B		1.50	2.80							
90.5	95.5	5'	667B		.80	1.50							
95.5	100.5	5'	668B		16.70	8.50							
100.5	105.5	5'	669B		28.20	8.50							
105.5	108.5	3'	670B		9.70	6.50							
					6.35	3.88							

Mines Management

Docket # 432

Amount of Contract — $24.000 00

Gov. 50 % — $12.000 00

Amount Expended — $24,000 00

Cost:-	Total	Cost/foot
2832.5' D.D. Hole	$20,669.45	$7.2972
151.5' Xcut -	3330.45	$21.98
Labor & Supervision	—	15.04
Explos.	—	2.01
Supplies	—	1.69
Power, etc	—	3.24

MF-104
(August 1951)

Budget Bureau No. 42-R[illegible]2.
Approval Expires 6-30-52.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Contract No.
Idm-E 1

Name of Operator Mines Management, Inc.
Docket No. DMA 432
Total Contract Amount $ 24,000.00
Government Participation: 50 % Amount, $ 12,000.00
Distribution of Expenditures for Month of December 1951

STRATEGIC AND CRITICAL MINERAL EXPLORATION PROGRAM
OPERATOR'S MONTHLY PROGRESS REPORT

Operators are to submit monthly reports to the designated field representative of the Defense Minerals Administration. Reports are to be submitted in quadruplicate prior to the 15th day of the month following the reporting period.

Narrative.—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered is to be furnished.

Maps.—Wherever possible, the narrative is to be illustrated with maps or sketches showing formations penetrated and location and assays of samples taken as well as advances in workings. In the case of diamond drilling or churn drilling, the location and inclination of holes is to be shown on a map; logs and assays also are to be submitted.

Cost Accounts.—All applicable parts of this form are to be filled in. This report will form the basis for payments of the Government's participating share of expenses. Audits of accounts may be made from time to time.

CERTIFICATION

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

MINES MANAGEMENT, INC.
(Name of Company)

By [signature]
(Signature of Authorized Official)

January 10, 1952
(Date)

President
(Title)

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

16—64068-3

MONTHLY SUMMARY COST STATEMENT

List as Shown on Exhibits Attached to Contract

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only		
				Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
1. Fixtures and Improvements:						
(*a*) Facilities						
(*b*) Buildings						
(*c*) Fixtures						
2. Operating Equipment:						
(*a*) Purchased[1]						
(*b*) Rented[2]						
(*c*) Furnished by operator						
3. Rehabilitation and Repairs:						
(*a*) Facilities						
(*b*) Buildings						
(*c*) Installations						

MONTHLY SUMMARY COST STATEMENT—Continued

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only: Approved Monthly Total	Approved Totals Previously-Reported	Approved Totals To Date
(d) Fixtures						
4. Labor[3]	1087.50	7551.43	8638.93			
5. Supervision	714.86	- 0 -	714.86			
6. Supplies						
(a) Timber						
(b) Explosives	305.17	- 0 -	305.17			
(c) Repair Parts						
(d) Other	41.08	402.84	443.92			
7. Power	213.84	1106.06	1319.90			
8. Transportation	48.05	229.79	277.84			
9. Insurance						
(a) Fire						
(b) Public Liability						
(c) Workmen's Compensation						
10. Contract Work	665.80	9281.98	9947.78			
11. Other (specify) Assaying	- 0 -	245.00	245.00			
Total	3076.30	18,817.10	21,893.40			
Deletions						
Adjusted totals						
Totals previously reported						
Totals to date						

[1] Enter amount paid during month toward total purchase price.
[2] Payments for rental of equipment or prorated depreciation on equipment owned by contractor.
[3] Submit copy of the Social Security form filed under the Old Age Insurance system showing complete wage and salary data or furnish copy of payroll sheet giving same data.

NOTE.—Indicate that portion of supervisory, office, and engineering salaries that is chargeable to this project.

FOR GOVERNMENT USE ONLY

Checked by
Entered by
Approved by Chas A Magill
Amount approved for payment
Remarks

16—64068-3

EXPLORATION UNIT COST AND PROGRESS REPORT FOR MONTH OF December

(Supply Data Below Applicable Only to Your Operations)

Item	Costs					Progress [4]				
	Wages [1] and salaries	Equipment [2]	Supplies	Other [3]	Total	Unit	Units this month	Units previously reported	Units to date	Units authorized by contract (Exhibit A)
Drifting										
Crosscutting	1398.83		322.67		1721.50	feet	92.5	59*	151.5	150*
Raising										
Shafts										
Winzes										
Drill holes	403.53		23.58	665.80**	1092.91	feet	214	2259	2473	2800
Overburden										
Rehabilitation and preparation										
Geology and geophysics										
Trenching										
Sampling and assaying										
Roads and trails										
Test pits										
Other (specify) Power				213.04	213.04					
Transportation				68.05	68.05					
Totals	1802.36		346.25	927.69	3076.30					

[1] Prorate supervisory, engineering, and office salaries in proportion to man-shifts of direct labor.
[2] Prorate charges for equipment that is not exclusively for one type of job (such as compressors) against authorized units of work in each category.
[3] Where entries in the "Other" column (above) are more than 25 percent of the total expenditures, a breakdown of this item should be made.
[4] Specify whether feet, cubic feet, acres, miles, etc.

16—64068-3 U. S. GOVERNMENT PRINTING OFFICE

* 59' of crosscutting should have been shown on our Dev. report.

** For contract diamond drilling.

MINES MANAGEMENT, INC.

Progress Report

Project - I-DMA-E1

December 1 - December 31, 1951

The D.M.E.A. matching fund exploration program continued at the Iroquois Mine during the month of December. Hole "U" was completed at a depth of 220.3 ft.

No. 2 crosscut was driven from 59 to 151.5 ft., at which point it was completed, and the station was cut in the last 13 ft. of the crosscut to be used as a diamond drill station.

Hole "U" encountered mineralization at 32 ft. and this continued to 201 ft.

The core has been logged and assay sheets are attached.

Sheet No. 1

MINES MANAGEMENT, INC.
RECORD OF SAMPLING

OPENING: D.D.H. 60
Location: End of South Lateral
Elevation of Collar:
Depth: 220.5
Dip: + 25°
Bearing: S 57½ W
Date Begun: 20 Nov. '51
Date Finished: 14 Dec. '51

PROJECT: D.M.R.
Location: Iroquois

Williams Jan. 8, '52

Footage			Sample Nos.		Analyses								Remarks
					Core				Sludge				
From:	To:	Feet	Core	Sldg.	Pb	Zn							
32.5	33.8	1.3	589B		0.1	2.0							
33.8	36.5	2.8	590B		None	0.7							
45.0	49.0	4.0	591B		0.1	0.9							
54.0	56.0	2.0	592B		0.1	1.4							
85.0	88.0	3.0	593B		0.1	7.2							
88.0	93.0	5.0	594B		0.1	2.3							
96.0	100.5	4.5	595B		None	2.2							
100.5	103.2	3.7	596B		0.1	19.4							
103.2	105.6	2.4	597B		0.1	9.1							
105.6	108.8	3.2	598B		None	2.6							
108.8	110.5	1.7	599B		None	1.7							
110.5	115.5	5.0	600B		None	4.1							
115.5	118.5	3.0	601B		None	1.1							
118.5	121.4	2.9	602B		None	1.3							
121.4	127.4	3.6	603B		0.2	8.0							
127.4	132.1	5.7	604B		None	3.7							
132.1	137.1	5.0	605B		None	3.0							
141.0	144.0	3.0	606B		None	4.0							
144.0	146.0	2.0	607B		None	0.4							
146.0	149.5	3.5	608B		None	0.5							
149.5	154.0	4.5	609B		None	3.1							
154.0	158.3	4.3	610B		None	2.3							
158.3	159.7	1.4	611B		None	1.2							
159.7	164.0	4.3	612B		None	0.6							
164.0	169.0	5.0	613B		None	2.9							
169.0	170.8	1.8	614B		None	1.0							

Sheet No. 2

MINES MANAGEMENT, INC.
RECORD OF SAMPLING

OPENING: D.D.H. 60
Location: End of South Lateral
Elevation of Collar:
Depth: 220.5
Dip: + 25°
Bearing: S 57½ W
Date Begun: 20 Nov. '51
Date Finished: 14 Dec. '51

PROJECT: D.M.A.
Location: Iroquois

Williams

Footage			Sample Nos.		Analyses								Remarks
					Core				Sludge				
From:	To:	Feet	Core	Sldg.	Pb	Zn							
170.8	172.2	1.4	615B		0.1	5.7							
172.2	177.2	5.0	616B		0.1	8.5							
177.2	182.2	5.0	617B		None	3.2							
182.2	186.4	4.2	618B		None	4.2							
186.4	190.3	3.9	619B		None	1.6							
190.3	195.1	4.8	620B		0.2	9.6							
195.1	197.9	2.8	621B		None	1.6							
201.4	203.5	2.1	622B		None	1.6							
203.5	208.0	4.5	623B		None	3.2							
208.0	212.6	4.6	624B		None	0.5							
212.6	215.5	2.9	625B		0.1	7.0							
		289.9				0.289							
210.0	212.6	2.6	626B		None	1.3	This is a Dike Sample from Hole E						

49.05

MF-104
(August 1951)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Contract No.
Idm-E I-DMA-E1

Name of Operator Mines Management, Inc.
Docket No. DMA I - DMA - E 1
Total Contract Amount $ 24,000.00
Government Participation: 50% % Amount, $ 12,000.00
Distribution of Expenditures for Month of November

STRATEGIC AND CRITICAL MINERAL EXPLORATION PROGRAM
OPERATOR'S MONTHLY PROGRESS REPORT

Operators are to submit monthly reports to the designated field representative of the Defense Minerals Administration. Reports are to be submitted in ~~quadruplicate~~ prior to the 15th day of the month following the reporting period.

Narrative.—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered is to be furnished.

Maps.—Wherever possible, the narrative is to be illustrated with maps or sketches showing formations penetrated and location and assays of samples taken as well as advances in workings. In the case of diamond drilling or churn drilling, the location and inclination of holes is to be shown on a map; logs and assays also are to be submitted.

Cost Accounts.—All applicable parts of this form are to be filled in. This report will form the basis for payments of the Government's participating share of expenses. Audits of accounts may be made from time to time.

CERTIFICATION

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

Mines Management, Inc.
(Name of Company)

By [signature]
(Signature of Authorized Official)

December 10, 1951
(Date)

President
(Title)

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

16—64068-3

MONTHLY SUMMARY COST STATEMENT

List as Shown on Exhibits Attached to Contract

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only		
				Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
1. Fixtures and Improvements:						
(*a*) Facilities						
(*b*) Buildings						
(*c*) Fixtures						
2. Operating Equipment:						
(*a*) Purchased[1]						
(*b*) Rented[2]						
(*c*) Furnished by operator						
3. Rehabilitation and Repairs:						
(*a*) Facilities						
(*b*) Buildings						
(*c*) Installations						

Mines MANAGEMENT, INC.
SUITE 612 CHRONICLE BUILDING • MAIL ADDRESS BOX 178
SPOKANE, WASHINGTON

Power:

822	Gal. Diesel Fuel Oil	@ 16½¢	$135.63
228	" Stove Oil	@ 18 ¢	41.04
6½	" Compressor Oil	@ 82½¢	5.36
15	" Anti-Freeze	@ 23¢	35.10
(25	" R.P.M. Delo.	@ 80¢	20.00
(3	" R.P.M. Motor Oil	@ 80¢	2.40
3	Qts. Rislone	@ 1.50	4.50
4	Oil Filters	@ 90¢	3.60
5	Cans Radiator flush	@ 1.25	6.25
2	Qts. Radiator Rust Inhibator	@ 80¢	1.60
			255.48

Other Supplies:

5	Core Boxes	@ 3.50	17.50
17	Boxes Powder	@ 8.75	148.75
3800	ft. fuse	@ 1 1/3 ft.	50.66
183	Bits	@ 18.00 per 100	32.94
350	Caps	@ 17.10 per 1000	5.99
			255.84

MINES MANAGEMENT, INC.

Progress Report

Project - I - DMA - M1

November 1 - November 30, 1951

The D.M.A. Matching Fund exploration program was continued at the Iroquois Mine during the month of November. Diamond Drill Hole "S" was completed at 600 ft., and Hole "T" at 200 ft.

Thirteen holes have now been completed on this program for a total length of 2378.6 ft.

Hole "U" was started November 28th and to the end of the month had been driven 56 ft. Mineralization was encountered in Hole "U" at 32 ft., and at the end of the month was still within the mineralized zone.

The No. 2 crosscut which was started in a S. 27 degrees W. direction has been advanced 59 ft. This crosscut will be continued for 150 ft. where a station will be cut to permit drilling of the ore zone below the level.

During the month assays taken from the samples in Hole "N" were received. The assay results are attached.

Sheet No. 1

MINES MANAGEMENT, INC.
RECORD OF SAMPLING

OPENING: D.D.H. #3
Location: #2 IC Pace
Elevation of Collar:
Depth: 102.3
Dip: - 90°
Bearing:
Date Begun: 20 Oct. '51
Date Finished: 25 Oct. '51

PROJECT: D.E.A.
Location:

Williams

Footage			Sample Nos.		Analyses								Remarks
					Core				Sludge				
From:	To:	Feet	Core	Sldg.	Pb	Zn							
0'	4'	4.0	580B		0	4.6							
9.4	11.0	1.6	581B		Tr	10.2							
14.0	17.0	3.0	582B		0.9	23.7							
17.0	18.6	1.6	583B		Tr	7.0							
18.6	19.9	1.3	584B		8.0	13.5							
25.1	29.5	4.4	585B		Tr	14.5	20.1	7.70					
29.5	34.0	4.5	586B		0	0.4							
34.0	35.1	1.1	587B		0	Tr.							
42.8	44.1	1.3	588B		0	0.6							

MONTHLY SUMMARY COST STATEMENT—Continued

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(d) Fixtures						
	1820.14	5731.29	7551.43			
4. Labor [3]						
5. Supervision						
6. Supplies						
(a) Timber						
(b) Explosives						
(c) Repair Parts	255.84	147.00	402.84			
(d) Other	255.48	850.58	1106.06			
7. Power	42.49	187.30	229.79			
8. Transportation						
9. Insurance						
(a) Fire						
(b) Public Liability						
(c) Workmen's Compensation						
	1033.65	8248.33	9281.98			
10. Contract Work Assaying	45.00	200.00	245.00			
11. Other (specify)						
Total	3452.60	15,364.50	18,817.10			
Deletions						
Adjusted totals	15364.50	--				
Totals previously reported	18,817.10	15,364.50	18,817.10			
Totals to date						

[1] Enter amount paid during month toward total purchase price.
[2] Payments for rental of equipment or prorated depreciation on equipment owned by contractor.
[3] Submit copy of the Social Security form filed under the Old Age Insurance system showing complete wage and salary data or furnish copy of payroll sheet giving same data.

NOTE.—Indicate that portion of supervisory, office, and engineering salaries that is chargeable to this project.

FOR GOVERNMENT USE ONLY

Checked by
Entered by
Approved by Elmer A. Mazell
Amount approved for payment
Remarks

16—64008-3

EXPLORATION UNIT COST AND PROGRESS REPORT FOR MONTH OF [redacted]

(Supply Data Below Applicable Only to Your Operations)

Item	Costs					Progress [4]				
	Wages [1] and salaries	Equipment [2]	Supplies	Other [3]	Total	Unit	Units this month	Units previously reported	Units to date	Units authorized by contract (Exhibit A)
Drifting										
Crosscutting	2135.77		238.34			Ft	59			
Raising										
Shafts										
Winzes										
Drill holes	644.37		12.50	1033.05*	3109.63	Foot	283	2259	2542	2800
Overburden										
Rehabilitation and preparation										
Geology and geophysics										
Trenching										
Sampling and assaying				45.00	45.00					
Roads and trails										
Test pits										
Other (specify) [redacted]				255.40	255.40					
[redacted]				42.19	42.19					
Totals	2820.34		255.84	1376.62	3452.60					

[1] Prorate supervisory, engineering, and office salaries in proportion to man-shifts of direct labor.
[2] Prorate charges for equipment that is not exclusively for one type of job (such as compressors) against authorized units of work in each category.
[3] Where entries in the "Other" column (above) are more than 25 percent of the total expenditures, a breakdown of this item should be made.
[4] Specify whether feet, cubic feet, acres, miles, etc.

*For contract diamond drilling

16—64068-3 U. S. GOVERNMENT PRINTING OFFICE

Standard Form No. 1034a—Rev.
Form approved by
Comptroller General, U. S.
May 26, 1938
(Amended August 15, 1941)

COPY

PUBLIC VOUCHER FOR PURCHASES AND SERVICES OTHER THAN PERSONAL

D. O. Vou. No. _____
Bu. Vou. No. DMA-22

GENERAL ACCOUNTING OFFICE PREAUDIT
Certified for payment in the sum of $_____
Comptroller General of the United States
By _____

U. S. Dept. of the Interior, Bureau of Mines,
(Department, bureau, or establishment)

Voucher prepared at Albany, Oregon 10/11/51
(Give place and date)

THE UNITED STATES, Dr.,

To Mines Management, Inc.
(Payee)

Address 612 Chronicle Bldg., Spokane 8, Washington

Payee's Account No. I-Dma-E1

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 general supply schedule, and other information deemed necessary) Terms _____% Discount Cash _____ days	Quantity	UNIT PRICE Cost	UNIT PRICE Per	AMOUNT Dollars	AMOUNT Cts.
		Brought forward from continuation sheet(s)					
	9/1-30/51	Certified form MF-104, dated 10/8/51				976	75

Shipped from _____ to _____ Weight _____ Government B/L No. _____ Total 976 75

(Payee must NOT use this space)
Differences _____
Account verified; correct for 976 75
(Signature or initials) _____

Contract No. I-Dma-E1 Date 5/16/51, Amended 7/19/51 Req. No. _____ Date _____ Invoice Rec'd _____

976.75

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	976.75	976.75

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 in the blank space below "Approved for $_____", and over his official title.

Per _____
Title _____

16—22900a-1

METHOD OF OR ABSENCE OF ADVERTISING

(Section 3709 of the Revised Statutes)

1. After advertising in newspapers.

2. (*a*) After advertising by circular letters sent to _____ dealers.

   (*b*) And by notices posted in public places.

   (If notices were not posted in addition to advertising by circular letters sent to dealers, explanation of such omission must be made. The notation on the certificate on the face of the voucher must be "2(*a*) (*b*)" or "2(*a*)", depending on whether or not notices were posted.)

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, Supplement No. 6, General Accounting Office, Aug. 20, 1930.)

U. S. GOVERNMENT PRINTING OFFICE: 1946 O-88934

16—22900-1

MF-104
(August 1951)

22

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

April

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Contract No.
Idm-E

Name of Operator Mines Management, Inc.
Docket No. DMA I-DMA-E1
Total Contract Amount $ 24,000.00
Government Participation: 50 % Amount, $
Distribution of Expenditures for Month of September

STRATEGIC AND CRITICAL MINERAL EXPLORATION PROGRAM
OPERATOR'S MONTHLY PROGRESS REPORT

Operators are to submit monthly reports to the designated field representative of the Defense Minerals Administration. Reports are to be submitted in quadruplicate prior to the 15th day of the month following the reporting period.

Narrative.—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered is to be furnished.

Maps.—Wherever possible, the narrative is to be illustrated with maps or sketches showing formations penetrated and location and assays of samples taken as well as advances in workings. In the case of diamond drilling or churn drilling, the location and inclination of holes is to be shown on a map; logs and assays also are to be submitted.

Cost Accounts.—All applicable parts of this form are to be filled in. This report will form the basis for payments of the Government's participating share of expenses. Audits of accounts may be made from time to time.

Defense Minerals Administration
RECEIVED
MAR 10 1952

CERTIFICATION

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

Mines Managmenet, Inc.
(Name of Company)

By /s/ W. R. Green
(Signature of Authorized Official)

October 8, 1951
(Date)

President
(Title)

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

16—64068-3

MONTHLY SUMMARY COST STATEMENT

List as Shown on Exhibits Attached to Contract

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only		
				Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
1. Fixtures and Improvements:						
(*a*) Facilities						
(*b*) Buildings						
(*c*) Fixtures						
2. Operating Equipment:						
(*a*) Purchased[1]						
(*b*) Rented[2]						
(*c*) Furnished by operator						
3. Rehabilitation and Repairs:						
(*a*) Facilities						
(*b*) Buildings						
(*c*) Installations						

MONTHLY SUBSIDIARY COST STATEMENT

Distribution of Expenditures for Month of September

Item	Monthly Total	Totals Previously Reported	Totals to Date
Wages and salaries	980.20	3,386.95	4,367.15
Equipment purchase			
Equipment rental			
Buildings			
Explosives			
Repair parts			
Other supplies (Core boxes)	7.00	115.50	122.50
Power	124.69	470.04	594.73
Transportation	14.65	128.70	143.35
Withholding taxes	Included in Wages Above		
Compensation insurance			
Other insurance			
Contract work	770.95	6,056.43	6,827.38
Other (specify) Assaying	56.00	144.00	200.00
TOTAL	1,953.49	10,301.62	12,255.11
Totals previously reported	10,301.62	- -	- -
Totals to date	12,255.11	10,301.62	12,255.11

DISTRIBUTION OF WAGES AND SALARIES FOR MONTH OF _____

Type	Number	Man-Shifts	Rate	Total
Miners				
Muckers				
Trammers				
Timbermen				
Pumpmen				
Hoistmen				
Surface				
Samplers	1	25 (200) hrs.	12.00	$300.00
Assayers				
Shift bosses				
Mechanics	1	22 (176)	11.00	242.00
Electricians				
Blacksmiths				
Carpenters				
Drill runners				
Drill helpers				
Teamsters				
Manager				
Superintendent	1	--	--	166.00
Engineers	1	10 (80 hrs)	15.00	150.00
Geologists	1	--	--	100.00
Bookkeeper	1	1 (8 hrs)	11.20	11.20
Foremen				
Clerks	1	1 (8 hrs)	11.00	11.00
Stenographers				
Other				
TOTAL	7	59 Shifts		$980.20

MONTHLY SUMMARY COST STATEMENT—Continued

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only		
				Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(*d*) Fixtures						
4. Labor [3]						
5. Supervision						
6. Supplies						
(*a*) Timber						
(*b*) Explosives						
(*c*) Repair Parts						
(*d*) Other						
7. Power						
8. Transportation						
9. Insurance						
(*a*) Fire						
(*b*) Public Liability						
(*c*) Workmen's Compensation						
10. Contract Work						
11. Other (specify)						
Total						
Deletions						
Adjusted totals						
Totals previously reported						
Totals to date						

[1] Enter amount paid during month toward total purchase price.
[2] Payments for rental of equipment or prorated depreciation on equipment owned by contractor.
[3] Submit copy of the Social Security form filed under the Old Age Insurance system showing complete wage and salary data or furnish copy of payroll sheet giving same data.

Note.—Indicate that portion of supervisory, office, and engineering salaries that is chargeable to this project.

FOR GOVERNMENT USE ONLY

Checked by .....

Entered by .....

Approved by .....

Amount approved for payment .....

Remarks .....

.....

.....

16—64068-3

EXPLORATION UNIT COST AND PROGRESS REPORT FOR MONTH OF September

(Supply Data Below Applicable Only to Your Operations)

Item	Costs					Progress [4]				
	Wages [1] and salaries	Equipment [2]	Supplies	Other [3]	Total	Unit	Units this month	Units previously reported	Units to date	Units authorized by contract (Exhibit A)
Drifting										
Crosscutting										
Raising										
Shafts										
Winzes										
Drill holes	980.20		7.00	770.95*	1758.15	feet	247	1632	1879	2800
Overburden										
Rehabilitation and preparation										
Geology and geophysics										
Trenching										
Sampling and assaying				56.00	56.00					
Roads and trails										
Test pits										
Other (specify) Power				124.69	124.69					
Transportation				14.65	14.65					
Totals	980.20		7.00	966.29	1953.49	feet	247	1632	1879	2800

[1] Prorate supervisory, engineering, and office salaries in proportion to man-shifts of direct labor.
[2] Prorate charges for equipment that is not exclusively for one type of job (such as compressors) against authorized units of work in each category.
[3] Where entries in the "Other" column (above) are more than 25 percent of the total expenditures, a breakdown of this item should be made.
[4] Specify whether feet, cubic feet, acres, miles, etc.

16—64068-3 U. S. GOVERNMENT PRINTING OFFICE

* For contracts Diamond Drilling - including 56 feet of reaming @ $2.80 per foot.

[illegible] MANAGEMENT, INC.

Progress Report

Project - 1 - DMA - E1

September 1 - September 30, 1951

During the month Hole 5 was reamed and casing was cut at 201 feet, from which point drilling was continued but has not as yet encountered the ore zone.

On September 10 a bearing in the compressor burned out and all work was stopped until repair had been made. This was accomplished on September 20.

The diamond drill contractor has encountered trouble in obtaining sufficient crews to keep two drills running, with the result that only one machine is operating one shift.

U. S. BUREAU OF MINES
RECEIVED
OCT 1 1 1951
ALBANY, OREGON

Standard Form No. 1034a—Rev.
Form approved by
Comptroller General, U. S.
May 26, 1938
(Amended August 15, 1941)

PUBLIC VOUCHER FOR PURCHASES AND SERVICES OTHER THAN PERSONAL

D. O. Vou. No. _____
Bu. Vou. No. DMA-6

GENERAL ACCOUNTING OFFICE PREAUDIT
Certified for payment in the sum of $_____
Comptroller General of the United States
By _____

U. S. Interior, Mines
(Department, bureau, or establishment)
Voucher prepared at Albany, Oregon, Sept. 12, 1951
(Give place and date)
THE UNITED STATES, Dr.,
To Mines Management, Inc.
(Payee)
Address 612 Chronicle Bldg., Spokane, 8, Washington
Payee's Account No. _____

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 general supply schedule, and other information deemed necessary) Terms _____% Discount Cash _____ days	Quantity	UNIT PRICE Cost	UNIT PRICE Per	AMOUNT Dollars	AMOUNT Cts.
		Brought forward from continuation sheet(s)					
	Aug. 31, 1951	Certified Form MF-104, dated 9/4/51 attached				1,952	48

Shipped from _____ to _____ Weight _____ Government B/L No. _____ Total 1,952 48

(Payee must NOT use this space)
Differences _____
Account verified; correct for 1,952 48
(Signature or initials) _____

Contract No. I-DMA-E1 Date 5/16/51 Req. No. _____ Date _____ Invoice Rec'd _____
amended 7/19/51

1,952.48

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		1,952.48

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)

Per _____
Title _____

* 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 in the blank space below "Approved for $_____", and over his official title.

16—22900a-1

METHOD OF OR ABSENCE OF ADVERTISING

(Section 3709 of the Revised Statutes)

1. After advertising in newspapers.
2. (*a*) After advertising by circular letters sent to _____ dealers.

   (*b*) And by notices posted in public places.

   (If notices were not posted in addition to advertising by circular letters sent to dealers, explanation of such omission must be made. The notation on the certificate on the face of the voucher must be "2(*a*)(*b*)" or "2(*a*)", depending on whether or not notices were posted.)

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, Supplement No. 6, General Accounting Office, Aug. 20, 1930.)

U. S. GOVERNMENT PRINTING OFFICE: 1946 O-88934

16—22900-1

MF-104
(August 1951)
April

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Contract No.
Idm-E

Name of Operator Mines Management, Inc.
Docket No. DMA I-DMA-E1
Total Contract Amount $ 24,000.00
Government Participation: 50 % Amount, $
Distribution of Expenditures for Month of August

STRATEGIC AND CRITICAL MINERAL EXPLORATION PROGRAM
OPERATOR'S MONTHLY PROGRESS REPORT

Operators are to submit monthly reports to the designated field representative of the Defense Minerals Administration. Reports are to be submitted in quadruplicate prior to the 15th day of the month following the reporting period.

Narrative.—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered is to be furnished.

Maps.—Wherever possible, the narrative is to be illustrated with maps or sketches showing formations penetrated and location and assays of samples taken as well as advances in workings. In the case of diamond drilling or churn drilling, the location and inclination of holes is to be shown on a map; logs and assays also are to be submitted.

Cost Accounts.—All applicable parts of this form are to be filled in. This report will form the basis for payments of the Government's participating share of expenses. Audits of accounts may be made from time to time.

DEFENSE MINERALS ADMINISTRATION WASHINGTON, D.C.
MAR 10 9 00 AM '52

CERTIFICATION

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

MINES MANAGEMENT, INC.
(Name of Company)

By /S/ W. R. Green
(Signature of Authorized Official)

September 4, 1951
(Date)

President
(Title)

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

16—64068-3

MONTHLY SUMMARY COST STATEMENT

List as Shown on Exhibits Attached to Contract

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
1. Fixtures and Improvements:						
(a) Facilities	ITEM					
	Wages and salaries			1239.50	2147.45	3386.95
	Other supplies (Core Boxes)			28.00	87.50	115.50
	Power			199.09	270.95	470.04
(b) Buildings	Transportation			46.00	82.70	128.70
	Contract work			2370.38	3686.05	6056.43
	Other (Assaying)			22.00	122.00	144.00
			TOTAL	$3904.97	6396.65	10,301.62
(c) Fixtures						
		TOTALS TO DATE		$3904.97	6396.65	10,301.62
2. Operating Equipment:						
(a) Purchased[1]						
(b) Rented[2]						
(c) Furnished by operator						
3. Rehabilitation and Repairs:						
(a) Facilities						
(b) Buildings						
(c) Installations						

MONTHLY SUMMARY COST STATEMENT

Distribution of Expenditures for Month of August, 1951

Item	Monthly Total	Totals Previously Reported	Totals to Date
Wages and salaries	1239.50	2147.45	3386.95
Equipment purchase			
Equipment rental			
Buildings			
Explosives			
Repair parts			
Other supplies (Core Boxes)	28.00	87.50	115.50
Power	199.09	270.95	470.04
Transportation	46.00	82.70	128.70
Withholding taxes	Included in Wages Above		
Compensation insurance			
Other insurance			
Contract work	2370.38	3686.05	6056.43
Other (specify) (Assaying)	22.00	122.00	144.00
TOTAL	3904.97	6396.65	10301.62
Totals previously reported	6396.65	- - -	- - -
Totals to date	10301.62	6396.65	10301.62

DISTRIBUTION OF WAGES AND SALARIES FOR MONTH OF August, 1951

Type	Number	Man-Shifts	Rate	Total
Miners				
Muckers				
Trammers				
Timbermen				
Pumpman				
Hoistmen				
Surface				
Samplers	1	25 (200 hrs)	12.00	300.00
Assayers				
Shift bosses				
Mechanics	1	27 (216 hrs)	11.00	297.00
Electricians				
Blacksmiths				
Carpenters				
Drill runners				
Drill helpers				
Teamsters				
Manager	1			166.00
Superintendent	1	13 (104 hrs)	15.00	195.00
Engineers	1			259.30
Geologists	1	1 (8 hrs)	11.20	11.20
Bookkeeper				
Foreman	1	1 (8 hrs)	11.00	11.00
Clerks				
Stenographers				
Other				
TOTAL	7	67 shifts		1239.50

MONTHLY SUMMARY COST STATEMENT—Continued

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only		
				Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(d) Fixtures						
4. Labor [3]						
5. Supervision						
6. Supplies						
(a) Timber						
(b) Explosives						
(c) Repair Parts						
(d) Other						
7. Power						
8. Transportation						
9. Insurance						
(a) Fire						
(b) Public Liability						
(c) Workmen's Compensation						
10. Contract Work						
11. Other (specify)						
Total						
Deletions						
Adjusted totals						
Totals previously reported						
Totals to date						

[1] Enter amount paid during month toward total purchase price.
[2] Payments for rental of equipment or prorated depreciation on equipment owned by contractor.
[3] Submit copy of the Social Security form filed under the Old Age Insurance system showing complete wage and salary data or furnish copy of payroll sheet giving same data.

Note.—Indicate that portion of supervisory, office, and engineering salaries that is chargeable to this project.

FOR GOVERNMENT USE ONLY

Checked by _____

Entered by _____

Approved by _____

Amount approved for payment _____

Remarks _____

_____

_____

16—64068-3

EXPLORATION UNIT COST AND PROGRESS REPORT FOR MONTH OF August, 1951

(Supply Data Below Applicable Only to Your Operations)

Item	Costs					Progress [4]				
	Wages [1] and salaries	Equipment [2]	Supplies	Other [3]	Total	Unit	Units this month	Units previously reported	Units to date	Units authorized by contract (Exhibit A)
Drifting										
Crosscutting										
Raising										
Shafts										
Winzes										
Drill holes	1239.50		28.00	2370.38*	3637.88	feet	560'	1072	1632	2800
Overburden										
Rehabilitation and preparation										
Geology and geophysics										
Trenching										
Sampling and assaying				22.00	22.00					
Roads and trails										
Test pits										
Other (specify) Power				199.09	199.09					
Transportation				46.00	46.00					
Totals	1239.50		28.00	2637.47	3904.97	feet	560	1072	1632	2800

[1] Prorate supervisory, engineering, and office salaries in proportion to man-shifts of direct labor.
[2] Prorate charges for equipment that is not exclusively for one type of job (such as compressors) against authorized units of work in each category.
[3] Where entries in the "Other" column (above) are more than 25 percent of the total expenditures, a breakdown of this item should be made.
[4] Specify whether feet, cubic feet, acres, miles, etc.

16—64068-3 U. S. GOVERNMENT PRINTING OFFICE

* For contract Diamond Drilling - including 219 feet of reaming at $2.00 per foot.

MINES MANAGEMENT, INC.

Progress Report

Project - I - DMA - X1

August 1 - August 31, 1951

During the month Holes M, Q and R were completed, and Holes R, S and X were started. Hole R encountered mineralization from 6.5' to 48.5'. A fault at 48.5' cut off the mineralization. The sample records of this section of ore are attached.

Both Holes X and S encountered bad ground which stuck the drill rods, which necessitated reaming. One drill crew quit during the month, and at the present time only one machine is being operated. This machine is reaming in Hole S, and it is expected that the reaming will be finished about the 6th of September at which time drilling in that hole will be resumed.

Neither Holes S nor X have as yet encountered the ore zone.

Standard Form No. 1034a—Rev.
Form approved by
Comptroller General, U. S.
May 26, 1938
(Amended August 15, 1941)

PUBLIC VOUCHER FOR PURCHASES AND SERVICES OTHER THAN PERSONAL

D. O. Vou. No. _____
Bu. Vou. No. DMA-1

GENERAL ACCOUNTING OFFICE PREAUDIT
Certified for payment in the sum of $_____
Comptroller General of the United States
By _____

U. S. Dept. of the Interior, Bureau of Mines
(Department, bureau, or establishment)

Voucher prepared at Albany, Oregon, Aug. 10, 1951
(Give place and date)

THE UNITED STATES, Dr.,

To Mines Management, Inc.
(Payee)

Address 612 Chronical Bldg., Spokane 8, Washington

Payee's Account No. _____

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 general supply schedule, and other information deemed necessary) Terms _____% Discount Cash _____ days	Quantity	Unit Price Cost	Unit Price Per	Amount Dollars	Amount Cts.
		Brought forward from continuation sheet(s)					
	May 23 to June 30, 1951 inclusive	Certified Form MF-104, dated July 6,	1951			3,218	18

Shipped from _____ to _____ Weight _____ Government B/L No. _____ Total 3,218 18

(Payee must NOT use this space)

Differences Operator's participation - 50% 1,609 09

Account verified; correct for 1,609 09

(Signature or initials) 1,609 09

Contract No. I-DMA-E1 Date 5/16/51 Req. No. _____ Date _____ Invoice Rec'd _____

Amended 7/19/51

1,609.09

MEMORANDUM

W. Rulon Lee,
Authorized Certifying Officer

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		1,609.09

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 in the blank space below "Approved for $_____", and over his official title.

Per _____
Title _____

16—22900a-1

METHOD OF OR ABSENCE OF ADVERTISING

(Section 3709 of the Revised Statutes)

1. After advertising in newspapers.
2. (*a*) After advertising by circular letters sent to _____ dealers.

   (*b*) And by notices posted in public places.

   (If notices were not posted in addition to advertising by circular letters sent to dealers, explanation of such omission must be made. The notation on the certificate on the face of the voucher must be "2(*a*)(*b*)" or "2(*a*)", depending on whether or not notices were posted.)

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, Supplement No. 6, General Accounting Office, Aug. 20, 1930.)

U. S. GOVERNMENT PRINTING OFFICE: 1946 O-88934

16—22900-1

MF-104
(August 1951)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Contract No.
Idm-E _____

Name of Operator Mines Management, Inc.
Docket No. DMA 432 Contract I-DMA-E1
Total Contract Amount $ 24,000.00
Government Participation: Period 50 % Amount, $
Distribution of Expenditures for ~~Month~~ of May 23 to June 30, 1951 incl.

STRATEGIC AND CRITICAL MINERAL EXPLORATION PROGRAM
OPERATOR'S MONTHLY PROGRESS REPORT

Operators are to submit monthly reports to the designated field representative of the Defense Minerals Administration. Reports are to be submitted in quadruplicate prior to the 15th day of the month following the reporting period.

Narrative.—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered is to be furnished.

Maps.—Wherever possible, the narrative is to be illustrated with maps or sketches showing formations penetrated and location and assays of samples taken as well as advances in workings. In the case of diamond drilling or churn drilling, the location and inclination of holes is to be shown on a map; logs and assays also are to be submitted.

Cost Accounts.—All applicable parts of this form are to be filled in. This report will form the basis for payments of the Government's participating share of expenses. Audits of accounts may be made from time to time.

MAR 10 8 00 AM '52
DEFENSE MINERALS ADMINISTRATION WASHINGTON, D.C.

CERTIFICATION

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

Mines Management, Inc.
(Name of Company)

By /S/ W. Randolph Green
(Signature of Authorized Official)

July 6, 1951
(Date)

President
(Title)

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

16—64068-3

MONTHLY SUMMARY COST STATEMENT

List as Shown on Exhibits Attached to Contract

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only		
				Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
1. Fixtures and Improvements:						
(*a*) Facilities						
(*b*) Buildings						
(*c*) Fixtures						
2. Operating Equipment:						
(*a*) Purchased[1]						
(*b*) Rented[2]						
(*c*) Furnished by operator						
3. Rehabilitation and Repairs:						
(*a*) Facilities						
(*b*) Buildings						
(*c*) Installations						

MONTHLY SUMMARY COST STATEMENT

Distribution of Expenditures for ~~Month~~ of May thru June, 1951 incl.
23d 30th

Item	Monthly Total	Totals Previously Reported	Totals to Date
Wages and salaries	$1,124.70		
Equipment purchase			
Equipment rental			
Buildings			
Explosives			
Repair parts			
Other supplies (Core Boxes)	38.50		
Power	142.40		
Transportation	51.93		
Withholding taxes	Included in Wages		
Compensation insurance	Included in Wages		
Other insurance			
Contract work	1,760.65		
Other (specify) (Assaying)	100.00		
TOTAL	$3,218.18		
Totals previously reported	-------		
Totals to date	$3,218.18		

DISTRIBUTION OF WAGES AND SALARIES FOR MONTH OF _____

Type	Number	Man-Shifts (8 hours)	Rate	Total
Miners				
Muckers				
Trammers				
Timbermen				
Pumpmen				
Hoistmen				
Surface	2	12-3/4 (102 hrs)	11.00	140.25
Samplers	1	14-7/8 (119 hrs)	12.00	178.50
Assayers				
Shift bosses				
Mechanics	1	21-7/8 (175 hrs)	11.00	240.62
Electricians				
Blacksmiths				
Carpenters				
Drill runners				
Drill helpers				
Teamsters				
Manager				
Superintendent	1			246.00
Engineers	1	8½ (68 hrs)	15.00	127.50
Geologists	1			147.23
Bookkeeper	1	3 (24 hrs)	11.20	33.60
Foreman				
Clerks	1	1 (8 hrs)	11.00	11.00
Stenographers				
Other				
TOTAL	9	62 - Shifts		$1,124.70

MONTHLY SUMMARY COST STATEMENT—Continued

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only		
				Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(*d*) Fixtures						
4. Labor[3]						
5. Supervision						
6. Supplies						
(*a*) Timber						
(*b*) Explosives						
(*c*) Repair Parts						
(*d*) Other						
7. Power						
8. Transportation						
9. Insurance						
(*a*) Fire						
(*b*) Public Liability						
(*c*) Workmen's Compensation						
10. Contract Work						
11. Other (specify)						
Total						
Deletions						
Adjusted totals						
Totals previously reported						
Totals to date						

[1] Enter amount paid during month toward total purchase price.
[2] Payments for rental of equipment or prorated depreciation on equipment owned by contractor.
[3] Submit copy of the Social Security form filed under the Old Age Insurance system showing complete wage and salary data or furnish copy of payroll sheet giving same data.

Note.—Indicate that portion of supervisory, office, and engineering salaries that is chargeable to this project.

FOR GOVERNMENT USE ONLY

Checked by .....

Entered by .....

Approved by .....

Amount approved for payment .....

Remarks .....

.....

.....

16—64068-3

EXPLORATION UNIT COST AND PROGRESS REPORT FOR ~~MONTH~~ Period OF May 23 thru June 30, 1951

(Supply Data Below Applicable Only to Your Operations)

Item	Costs					Progress [4]				
	Wages [1] and salaries	Equipment [2]	Supplies	Other [3]	Total	Unit	Units this month	Units previously reported	Units to date	Units authorized by contract (Exhibit A)
Drifting										
Crosscutting										
Raising										
Shafts										
Winzes										
Drill holes	$1,124.70		$38.50	$1,760.65*	$2,923.85	Ft.	515	None	515	2800
Overburden										
Rehabilitation and preparation										
Geology and geophysics										
Trenching										
Sampling and assaying				100.00	100.00					
Roads and trails										
Test pits										
Other (specify) Power				142.40	142.40					
Transportation				51.93	51.93					
Totals	$1,124.70		$38.50	$2,054.98	$3,218.18	Ft.	515	None	515	2800

[1] Prorate supervisory, engineering, and office salaries in proportion to man-shifts of direct labor.
[2] Prorate charges for equipment that is not exclusively for one type of job (such as compressors) against authorized units of work in each category.
[3] Where entries in the "Other" column (above) are more than 25 percent of the total expenditures, a breakdown of this item should be made.
[4] Specify whether feet, cubic feet, acres, miles, etc.

16—64068-3 U. S. GOVERNMENT PRINTING OFFICE

* $1,760.65 for Contract Diamond Drilling.

MINES MANAGEMENT, INC.

Progress Report

Project - DMA 432

May 23 - June 30, 1951

The project got under way on May 23, 1951. Drilling was started on Hole G as set up by the D.M.A. field team. To the end of the month 70 ft. of hole had been completed. During June Hole G was completed at a depth of 100 ft. Mineralization was encountered in Hole G at 8 ft. and extended through to 69.8 ft. 11 samples were cut in this section, and the sample record together with assay results is attached.

Hole D was started during June and drilled to a depth of 100 ft. Mineralization was encountered at 5 ft. from the collar, and visible mineralization continued to 91 ft. 33 samples were cut in this section, and the sample record with assay results is attached.

Hole A was started during June and completed at a depth of 113 ft. The hole cut badly leached oxidized material in the area where the ore zone was expected. This hole has not yet been logged nor marked for sampling.

On June 20th a second drill was added, and holes I and C are now being drilled. To the end of the month Hole I was at a depth of 183 ft. and had not as yet encountered the ore zone; and Hole C was at a depth of 19 ft. and had not as yet encountered the ore zone.

Sheet No. 1

MINES MANAGEMENT, INC.
RECORD OF SAMPLING

OPENING: D.D.H. "D" & XC
Location: Iroquois Mine
Elevation of Collar:
Depth: 100'
Dip: + 90°
Bearing:
Date Begun: 6 June '51
Date Finished: 18 June '51

PROJECT: D.M.A.
Location: Northport
21 June '51

Footage			Sample Nos.		Analyses			
					Core		Sludge	Remarks
From:	To:	Feet	Core	Sldg.	Pb	Zn		
5'	10'	5'	519B		0.0	0.95		
10'	14'	4'	520B		0.0	0.3		
14'	17'	3'	521B		0.0	3.4		
17'	22'	5'	522B		0.0	2.7		
22'	24'	2'	523B		0.0	2.15		
24'	25.5'	1.5'	524B		0.0	3.6		
25.5'	30.0'	4.5'	525B		0.0	2.6		
30'	33'	3'	526B		0.0	0.4		
33'	34'	1'	527B		0.0	1.95		
34'	36'	2'	528B		0.0	0.5		
36'	38'	2'	529B		0.0	0.9		
38'	43'	5'	530B		0.0	1.7		
43'	46'	3'	531B		0.0	0.85		
46'	48'	2'	532B		0.0	1.0		
48'	51'	3'	533B		0.0	5.2		
51'	55'	4'	534B		0.0	3.0		
55'	56'	1'	535B		0.0	3.4		
56'	58'	2'	536B		0.0	6.5		
58'	60'	2'	537B		0.0	2.75		
60'	62'	2'	538B		0.0	0.4		
62'	63.5'	1.5'	539B		0.0	0.2		
63.5'	66.5'	3'	540B		0.0	3.6		
66.5'	68.5'	2'	541B		0.0	0.8		
68.5'	70'	1.5'	542B		0.0	0.1		
70'	72'	2'	543B		0.0	Tr.		
72'	73.5'	1.5	544B		0.0	Tr.		

Sheet No. 2

MINES MANAGEMENT, INC.
RECORD OF SAMPLING

OPENING: D.D.H. "D" 8 XC
Location: Iroquois Mine
Elevation of Collar:
Depth: 100'
Dip: + 90°
Bearing:
Date Begun: 6 June '51
Date Finished: 18 June '51

PROJECT: D.M.A.
Location: Northport
21 June '51

Footage			Sample Nos.		Analyses			
					Core		Sludge	Remarks
From:	To:	Feet	Core	Sldg.	Pb	Zn		
72.5'	75'	1.5'	545B		0.0	0.2		
75'	79'	4'	546B		0.0	0.25		
79'	83'	4'	547B		0.0	2.0		
83'	85'	2'	548B		0.0	0.0		
85'	88'	3'	549B		0.0	0.0		
88'	89'	1'	550B		0.0	0.0		
89'	91'	2'	551B		0.0	0.0		

Standard Form No. 1034a—Rev.
Form approved by
Comptroller General, U. S.
May 26, 1938
(Amended August 15, 1941)

PUBLIC VOUCHER FOR PURCHASES AND SERVICES OTHER THAN PERSONAL

D. O. Vou. No. _____
Bu. Vou. No. DMA-4

GENERAL ACCOUNTING OFFICE PREAUDIT
Certified for payment in the sum of $_____
Comptroller General of the United States
By _____

U. S. Dept. of the Interior, Bureau of Mines
(Department, bureau, or establishment)

Voucher prepared at Albany, Oregon, August 24, 1951
(Give place and date)

THE UNITED STATES, Dr.,

To Mines Management, Inc.
(Payee)

Address 612 Chronical Bldg., Spokane, 8, Washington

Payee's Account No. _____

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 general supply schedule, and other information deemed necessary) Terms _____% Discount Cash _____ days	Quantity	UNIT PRICE Cost	UNIT PRICE Per	AMOUNT Dollars	AMOUNT Cts.
		Brought forward from continuation sheet(s)					
	July 1-31, 1951	Per attached certified Form MF-104, dated August 6, 1951				1,589	23

Shipped from _____ to _____ Weight _____ Government B/L No. _____ Total 1,589 23

(Payee must NOT use this space)
Differences _____
Account verified; correct for 1,589 23
(Signature or initials) W.R.L.

Contract No. I-DMA-E1 Date 5/16/51 Req. No. _____ Date _____ Invoice Rec'd _____
and Amendment 7/19/51

1,589.23

MEMORANDUM

W. Rulon Lee,
Authorized Certifying Officer

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		1,589.23

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)

Per _____
Title _____

* 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 in the blank space below "Approved for $_____", and over his official title.

16—22900a-1

METHOD OF OR ABSENCE OF ADVERTISING

(Section 3709 of the Revised Statutes)

1. After advertising in newspapers.

2. (*a*) After advertising by circular letters sent to _____ dealers.

   (*b*) And by notices posted in public places.

   (If notices were not posted in addition to advertising by circular letters sent to dealers, explanation of such omission must be made. The notation on the certificate on the face of the voucher must be "2(*a*)(*b*)" or "2(*a*)", depending on whether or not notices were posted.)

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, Supplement No. 6, General Accounting Office, Aug. 20, 1930.)

U. S. GOVERNMENT PRINTING OFFICE: 1946 O-88934 16—22900-1

4

MF-104
(August 1951)

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

April

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Contract No.
Idm-E

Name of Operator Mines Management, Inc.
Docket No. DMA 432
Total Contract Amount $ 24,000.00
Government Participation: 50% Amount, $
Distribution of Expenditures for ~~Month~~ Period of May 23 thru May 31, 1951

STRATEGIC AND CRITICAL MINERAL EXPLORATION PROGRAM
OPERATOR'S MONTHLY PROGRESS REPORT

Operators are to submit monthly reports to the designated field representative of the Defense Minerals Administration. Reports are to be submitted in quadruplicate prior to the 15th day of the month following the reporting period.

Narrative.—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered is to be furnished.

Maps.—Wherever possible, the narrative is to be illustrated with maps or sketches showing formations penetrated and location and assays of samples taken as well as advances in workings. In the case of diamond drilling or churn drilling, the location and inclination of holes is to be shown on a map; logs and assays also are to be submitted.

Cost Accounts.—All applicable parts of this form are to be filled in. This report will form the basis for payments of the Government's participating share of expenses. Audits of accounts may be made from time to time.

MAR 10 9 00 AM '52
DEFENSE MINERALS ADMINISTRATION WASHINGTON, D.C.

CERTIFICATION

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

MINES MANAGEMENT, INC.
(Name of Company)

By /s/ W. R. Green
(Signature of Authorized Official)

June 5, 1951
(Date)

President
(Title)

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

16—64068-3

MONTHLY SUMMARY COST STATEMENT

List as Shown on Exhibits Attached to Contract

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only		
				Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
1. Fixtures and Improvements:						
(*a*) Facilities						
(*b*) Buildings						
(*c*) Fixtures						
2. Operating Equipment:						
(*a*) Purchased[1]						
(*b*) Rented[2]						
(*c*) Furnished by operator						
3. Rehabilitation and Repairs:						
(*a*) Facilities						
(*b*) Buildings						
(*c*) Installations						

MONTHLY SUMMARY COST STATEMENT

Distribution of Expenditures for ~~MONTH~~ Period of May 23 thru May 31, 1951

Item	Above Period ~~MONTHLY~~ Total	Totals Previously Reported	Totals to Date
Wages and salaries	348.59	0	
Equipment purchase			
Equipment rental			
Buildings			
Explosives			
Repair parts			
Other supplies (Core boxes)	7.00	0	
Power			
Transportation			
Withholding taxes	Included in wage total		
Compensation insurance			
Other insurance			
Contract work	241.50	0	
Other (specify)			
TOTAL	597.09	0	
Totals previously reported	None	First Report	
Totals to date			

DISTRIBUTION OF WAGES AND SALARIES FOR ~~MONTH~~ Period OF May 23 thru May 31, 1951

Type	Number	Man-Shifts	Rate	Total
Miners				
Muckers				
Trammers				
Timbermen				
Pumpmen				
Hoistmen				
Surface	2	3	11.00	33.00
Samplers	1	3½	12.00	42.00
Assayers				
Shift bosses				
Mechanics	1	4½ plus ½ hr	11.00	50.19
Electricians				
Blacksmiths				
Carpenters				
Drill runners				
Drill helpers				
Teamsters				
Manager				
Superintendent	1			80.00
Engineers	1	4	15.00	60.00
Geologists	1			50.00
Bookkeeper	1	2	11.20	22.40
Foreman				
Clerks	1	1	11.00	11.00
Stenographers				
Other				
TOTAL	9	18 - 1/2 hr.		348.59

MONTHLY SUMMARY COST STATEMENT—Continued

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only		
				Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(*d*) Fixtures						
4. Labor [3]						
5. Supervision						
6. Supplies						
(*a*) Timber						
(*b*) Explosives						
(*c*) Repair Parts						
(*d*) Other						
7. Power						
8. Transportation						
9. Insurance						
(*a*) Fire						
(*b*) Public Liability						
(*c*) Workmen's Compensation						
10. Contract Work						
11. Other (specify)						
Total						
Deletions						
Adjusted totals						
Totals previously reported						
Totals to date						

[1] Enter amount paid during month toward total purchase price.
[2] Payments for rental of equipment or prorated depreciation on equipment owned by contractor.
[3] Submit copy of the Social Security form filed under the Old Age Insurance system showing complete wage and salary data or furnish copy of payroll sheet giving same data.

Note.—Indicate that portion of supervisory, office, and engineering salaries that is chargeable to this project.

FOR GOVERNMENT USE ONLY

Checked by _____

Entered by _____

Approved by _____

Amount approved for payment _____

Remarks _____

_____

_____

16—64068-3

EXPLORATION UNIT COST AND PROGRESS REPORT FOR ~~MONTH~~ PERIOD OF May 23 thru May 31, 1951

(Supply Data Below Applicable Only to Your Operations)

Item	Costs					Progress [4]				
	Wages [1] and salaries	Equipment [2]	Supplies	Other [3]	Total	Unit	Units this month	Units previously reported	Units to date	Units authorized by contract (Exhibit A)
Drifting										
Crosscutting										
Raising										
Shafts										
Winzes										
Drill holes	348.59		7.00	241.50	597.09	Feet	70	---	70	2800
Overburden										
Rehabilitation and preparation										
Geology and geophysics										
Trenching										
Sampling and assaying										
Roads and trails										
Test pits										
Other (specify)										
Totals	348.59		7.00	241.50	597.09	Feet	70	---	70	2800

[1] Prorate supervisory, engineering, and office salaries in proportion to man-shifts of direct labor.
[2] Prorate charges for equipment that is not exclusively for one type of job (such as compressors) against authorized units of work in each category.
[3] Where entries in the "Other" column (above) are more than 25 percent of the total expenditures, a breakdown of this item should be made.
[4] Specify whether feet, cubic feet, acres, miles, etc.

16—64068-3 U. S. GOVERNMENT PRINTING OFFICE

MF-104
(August 1951)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Contract No.
Idm-E _____

Name of Operator MINES MANAGEMENT, INC.
Docket No. DMA 432
Total Contract Amount $24,000.00
Government Participation: 50 % Amount, $ 12,000.00
Distribution of Expenditures for Month of JULY, 1951

STRATEGIC AND CRITICAL MINERAL EXPLORATION PROGRAM
OPERATOR'S MONTHLY PROGRESS REPORT

Operators are to submit monthly reports to the designated field representative of the Defense Minerals Administration. Reports are to be submitted in quadruplicate prior to the 15th day of the month following the reporting period.

Narrative.—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered is to be furnished.

Maps.—Wherever possible, the narrative is to be illustrated with maps or sketches showing formations penetrated and location and assays of samples taken as well as advances in workings. In the case of diamond drilling or churn drilling, the location and inclination of holes is to be shown on a map; logs and assays also are to be submitted.

Cost Accounts.—All applicable parts of this form are to be filled in. This report will form the basis for payments of the Government's participating share of expenses. Audits of accounts may be made from time to time.

CERTIFICATION

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

MINES MANAGEMENT, INC.
(Name of Company)

By /S/ W. R. Green
(Signature of Authorized Official)

AUGUST 6, 1951
(Date)

PRESIDENT
(Title)

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

16—64068-3

MONTHLY SUMMARY COST STATEMENT

List as Shown on Exhibits Attached to Contract

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
		ITEMS				
1. Fixtures and Improvements:		Wages and salaries		1022.75	1124.70	2147.45
(a) Facilities		Other supplies (core bxs)		49.00	38.50	87.50
		Power		128.55	142.40	270.95
		Transportation		30.77	51.93	82.70
		Contract work		1925.40	1760.65	3686.05
(b) Buildings		Other (Assaying)		22.00	100.00	122.00
		TOTAL		3178.47	3218.18	6396.65
		Totals previously rept.		--	--	--
(c) Fixtures		Totals to date		3178.47	3218.18	6396.65
2. Operating Equipment:						
(a) Purchased[1]						
(b) Rented[2]						
(c) Furnished by operator						
3. Rehabilitation and Repairs:						
(a) Facilities						
(b) Buildings						
(c) Installations						

16—64068-3

MONTHLY SUMMARY COST STATEMENT

Distribution of Expenditures for Month of JULY

Item	Monthly Total	Totals Previously Reported	Totals to Date
Wages and salaries	1022.75 ✓	1124.70	2147.45
Equipment purchase			
Equipment rental			
Buildings			
Explosives			
Repair parts			
Other supplies (CORE BOXES)	49.00	38.50	87.50
Power	128.55	142.40	270.95
Transportation	30.77	51.93	82.70
Withholding taxes	INCLUDED IN WAGES ABOVE		
Compensation insurance			
Other insurance			
Contract work	1925.40	1760.65	3686.05
Other (specify) (Assaying)	22.00	100.00	122.00
TOTAL	3178.47	3218.18	6396.65
Totals previously reported	~~3391.63~~ 3218.18	- - -	
Totals to date	~~6603.20~~ 6396.65	~~3218.18~~	6396.65

DISTRIBUTION OF WAGES AND SALARIES FOR MONTH OF JULY

Type	Number	Man-Shifts	Rate	Total
Miners				
Muckers				
Trammers				
Timbermen				
Pumpmen				
Hoistmen				
Surface				
Samplers	1	25 (200 hrs)	12.00	300.00
Assayers				
Shift bosses				
Mechanics	1	21 (168 hrs)	11.00	231.00
Electricians				
Blacksmiths				
Carpenters				
Drill runners				
Drill helpers				
Teamsters				
Manager				
Superintendent	1			166.00
Engineers	1	8½ (68 hrs)	15.00	127.50
Geologists	1			176.05
Bookkeeper	1	1 (8 hrs)	11.20	11.20
Foreman				
Clerks	1	1 (8 hrs)	11.00	11.00
Stenographers				
Other				
TOTAL	7	56½ shifts		1022.75

MONTHLY SUMMARY COST STATEMENT—Continued

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only		
				Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(*d*) Fixtures						
4. Labor [3]						
5. Supervision						
6. Supplies						
(*a*) Timber						
(*b*) Explosives						
(*c*) Repair Parts						
(*d*) Other						
7. Power						
8. Transportation						
9. Insurance						
(*a*) Fire						
(*b*) Public Liability						
(*c*) Workmen's Compensation						
10. Contract Work						
11. Other (specify)						
Total						
Deletions						
Adjusted totals						
Totals previously reported						
Totals to date						

[1] Enter amount paid during month toward total purchase price.
[2] Payments for rental of equipment or prorated depreciation on equipment owned by contractor.
[3] Submit copy of the Social Security form filed under the Old Age Insurance system showing complete wage and salary data or furnish copy of payroll sheet giving same data.

Note.—Indicate that portion of supervisory, office, and engineering salaries that is chargeable to this project.

FOR GOVERNMENT USE ONLY

Checked by .....

Entered by .....

Approved by .....

Amount approved for payment .....

Remarks .....

.....

.....

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EXPLORATION UNIT COST AND PROGRESS REPORT FOR MONTH OF JULY, 1951

(Supply Data Below Applicable Only to Your Operations)

Item	Costs					Progress [4]				
	Wages [1] and salaries	Equipment [2]	Supplies	Other [3]	Total	Unit	Units this month	Units previously reported	Units to date	Units authorized by contract (Exhibit A)
Drifting										
Crosscutting										
Raising										
Shafts										
Winzes										
Drill holes	1022.75		49.00	1925.40*	2997.15	feet	557	515	1072	2800
Overburden										
Rehabilitation and preparation										
Geology and geophysics										
Trenching										
Sampling and assaying				22.00	22.00					
Roads and trails										
~~Test pits~~				128.55	128.55					
Other (specify)				30.77	30.77					
Totals	1022.75		49.00	2106.72	3178.47	feet	557	515	1072	2800

[1] Prorate supervisory, engineering, and office salaries in proportion to man-shifts of direct labor.
[2] Prorate charges for equipment that is not exclusively for one type of job (such as compressors) against authorized units of work in each category.
[3] Where entries in the "Other" column (above) are more than 25 percent of the total expenditures, a breakdown of this item should be made.
[4] Specify whether feet, cubic feet, acres, miles, etc.

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* FOR CONTRACT DIAMOND DRILLING - $1925.40

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IRON MANAGEMENT, INC.

Progress Report

Project - DMA 432

May 23 - 31, 1951

The project got underway on May 23, 1951. The drilling was started on Hole "G" as set up by the DMA field team. To the end of the month 70 feet of hole had been completed. So far only one shift on one drill is operating on this project, but as soon as the hole the Company is drilling on their own account is completed a second drill will be put on. The drill contractor is attempting to find additional crews so that each drill can be operated on a two shift basis.