So. 157 Howard Street
Spokane 4, Washington
October 2, 1961

EXTRA COPY
O. M. E.
RECEIVED OCT 4 1961

DATE	INITIALS	CODE
		800

Memorandum

To: Chief, Division of Field Operations

From: Acting Field Officer, Region I

Subject: DMEA-432 (7 inc)
Mines Management, Inc.
Iroquois Mine
Stevens County, Washington
Contract I-DMA-E1

Your memorandum of August 14, 1961, has gone so long unanswered because of difficulty in securing accurate information.

E. A. Magill of the Bureau of Mines passed by the subject property this past summer, and although he did not make a visit, said there was no sign or rumor of any recent activity.

Many unsuccessful attempts were made to reach W. R. Green, president of the company, by phone. September 21 he returned a Request for Information form we had sent him on May 2. He states that there has been no change in ownership and that no ore has been produced since December 31, 1959. Therefore, the Annual Report we sent you September 21, 1960, is still valid without change.

D. R. MacLaren

Enclosure (in duplicate)

DEFENSE MINERALS EXPLORATION ADMINISTRATION
CONTRACT ADMINISTRATION AND AUDIT DIVISION

RECEIVED
1955

REPORT OF ROYALTY REVIEW

I have reviewed the files of the Executive Officer, DMEA Field Team, Region I, N.W. District, pertaining to Contract Idm-51, Docket No. DMA-432, with:

Mines Management, Inc.
612 Chronicle Building
Spokane 8, Washington

for the purpose of determining the amount of royalties due the U.S. Government on sales of zinc from property referred to as Iroquois Mine located in Stevens County, Washington.

The exploration contract was dated May 16, 1951; the exploration was completed in January, 1952; and certification of discovery or development was issued under date of July 16, 1952. According to audit report dated March 19, 1952, prepared by Mr. Robert M. Hull, auditor, total accepted costs under the contract amounted to $24,000.00 with the Government's participation, on a 50 percent basis, being $12,000.00.

The exploration work performed under the contract consisted to 16 diamond drill holes plus 151.5 feet of crosscutting. The Semi-Annual Report of Certified Project for the period January 1 to June 30, 1955, in connection with this project indicates there has been no production since the completion of the exploration program and no activity has been observed at the mine.

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

(1) Available evidence in the files does not indicate any production to date which would be subject to DMEA royalties, and

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

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

July 26, 1955

FINAL
AUDIT REPORT

DEFENSE MINERALS EXPLORATION ADMINISTRATION
CONTRACT ADMINISTRATION AND AUDIT DIVISION

AUDIT CERTIFICATE

I have examined the records and transactions of:

Mines Management, Inc.
Northport, Washington

pertaining to Exploration Project Contract No. E-1, for the period of May 23, 1951 to February 1, 1952.

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

The audit disclosed the following facts in regard to amount to be paid the Contractor:

Total cost as billed by Contractor	$24,000.00
Exceptions taken by the Government	None
Total accepted cost	$24,000.00

The contract calls for a 50 percent participation of exploration expenses by the United States Government. Therefore, the amount of reimbursement to be paid the Contractor by the Government is:

TWELVE THOUSAND DOLLARS
($12,000.00)

This certificate is issued on the provision that the Executive Officer, the Administrator, or other competent official accepts the project as having otherwise met the terms of the contract.

Date: March 19, 1952

Robert M. Hull
Auditor

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
APR 28 1952

I INTRODUCTION

An audit was made on March 5 and 6, 1952, of Defense Minerals Exploration Contract No. E-1, Mines Management, Inc. The records pertaining to this contract are in the temporary offices of Mines Management, Inc., at the town of Northport, Washington. The audit covered the period of May 23, 1951 through January 31, 1952, which was within the specified time limit of the contract period of nine (9) months.

The superintendent, W. R. Green, who signed the contract as president of Mines Management, Inc., the engineer, Frank M. Paparich, the sampler, Robert S. Williams, and the bookkeeper, Darrell Bogar, were all present and were consulted as the occasion demanded.

There had been a change of bookkeepers about a month prior to the audit, and the current bookkeeper was not very familiar with the operations prior to his time; therefore, it was necessary to have the superintendent on hand for most of the examination and discussion.

II EXTENT AND SCOPE OF AUDIT

1. Labor

The payrolls for the entire period under audit - May 23, 1951 through January 31, 1952 - were examined and computed for accuracy. The engineer maintained the time of the various workers and, at the end of each day, made up his report on the company's work sheet. The only other record available to check was the payroll, as the employees' time was taken from the work sheet and the payroll was based upon it. There are no time cards, labor being charged to the project based upon the

amount put down on the monthly work sheet of the engineer. It was not possible to ascertain absolutely that any man worked a given number of hours or days on the project beyond that of the word of the engineer. The rates of pay were those set forth in the contract.

2. Supervision

Supervision was based on a distribution made up by the superintendent. One third of the superintendent's time is charged to the DMEA project, as he devotes the remainder of his time to other interests. The time of other personnel in a supervisory category is based percentagewise upon the actual number of days devoted to the project. An exception to this is the case of the consulting geologist, P. E. Oscarson. His entire fee of $100.00 a month plus $25.00 per actual day worked is charged entirely to the contract. At no time did the amount paid to Mr. Oscarson approach the maximum amount provided for in the contract.

In this contract it appears that there is too much supervision for the size of the project, considering that most of the drilling work was on a subcontract; however, this is in accordance with the contract.

3. Supplies

The records covering the purchase and issue of supplies were examined. The receipted purchase invoices were all checked, the items contained thereon extended, the invoices footed and then compared with the amounts on the cancelled checks.

The quantities of the various supplies used during a given period, taken from the monthly work sheet with the unit prices taken from the purchase invoice, checked with the figures shown on the Form MF-104.

An audit of the charges for gasoline for the jeeps and trucks was made by checking the individual time book kept on each piece of equipment, showing amount of fuel used for each and the mileage. Gasoline is purchased from the Standard Oil Company in 55-gallon drums and delivered directly to the mine site at a price of $0.293 a gallon. Inquiry was made at the local filling station as to gasoline prices, and it was determined that, by buying in drum lots, the contractor was getting the gasoline at about $0.03 a gallon cheaper.

There is no formal control on the supplies of fuel oil, etc. used. When a machine needs diesel oil, the oil is withdrawn from existing supplies and the engineer advised. The same situation is true for gasoline used on the trucks and jeeps. Two-thirds of all fuel purchased for power purposes is charged against the contract.

There are no written receipts for supplies used on the project, the only record being that which the engineer reported on the monthly work sheet. There is maintained, in addition to the work sheet, a breakdown sheet listing the supplies used and the supplies received. The engineer keeps this report in pencil.

4. Transportation

Several items were noted charged against transportation for sending supplies to the mine site. A check was made with the transportation company in Spokane as to rates, and those charged to the contract are

standard for the area. Time books are kept on the transportation units and charged to the job for which used.

5. Contract Work

The subcontractor's monthly bills were examined for correctness and conformity to the contract. Discussions were held with the sampler and with members of the U. S. Geological Survey as to the quality of the work. There have been two subcontractors on the project. The first was terminated upon the insistence of the DMEA Field Team on the grounds that the geological results were not satisfactory in that insufficient and inadequate cores were being supplied. A second subcontractor was called in and satisfactory results were obtained.

The subcontracts were let at the prevalent rate for the area based upon the availability of the contractor and his past record.

By the close supervision of the Field Team it was possible to correct an otherwise rather poor job of subcontracting. The Field Team felt that the company was not getting adequate core recovery from the first subcontractor and for that reason insisted upon a change, which was made to the Field Team's satisfaction.

6. Other

Assaying charges were included, and the bills presented were examined. A check of other assaying bills on other contracts for the same type of work was made and the rates appeared to be standard. These assaying charges covered only the samples from the project.

III FINDINGS

With the exception of the payroll, the records maintained by Mines Management, Inc. were in poor condition. The work sheets were sometimes kept in pencil and sometimes in ink. They were loose in a folder and not kept in order. The engineer's control sheets were also in pencil and kept loose on his desk. The invoices and receipts were not filed in any order and were loose in their folders. By accepting the figures and rates shown on the purchase invoices and work sheets it was possible to check the amounts shown on the Form MF-104.

The operator has erroneously classified his costs in several instances; therefore, the "Approved Totals to Date" as compared to the reported "Totals to Date" on the final Form MF-104, January 1952, should be as follows:

Item		As reported by operator		As disclosed by audit
Labor		$8,748.93		$8,748.93
Supervision		861.86		861.86
Supplies:		777.09		1,236.10
Explosives	$305.17		$305.17	
Other				
Core boxes	471.92		471.92	
Fuel			459.01	
Power		1,441.19		1,001.19
Transportation		327.63		308.64
Contract work		11,598.28		11,598.28
Assaying		245.00		245.00
		$24,000.00		$24,000.00

No exceptions are taken and the costs are reasonable and proper and are within the terms of the contract.

IV RECOMMENDATIONS

As a result of this audit, no exceptions are taken other than to the method the operator used in maintaining his records and the erroneous classification of costs on the Form MF-104. The costs are reasonable and proper and are within the terms of the contract. Several errors had been discovered previously by the Field Team, but as these had been corrected prior to the audit no adjustment was necessary. The audit certificate prefacing this report reflects the total amount of the costs properly chargeable to this project.

March 31, 1952

Memorandum

To: Mr. C. W. Wittenberg

From: Rare Metals Division

Subject: Mines Management, Inc., Docket No. [illegible] 432, 1-[illegible]A-E1

The Mines Management, Inc., received the first approved and executed exploration contract with an effective date of May 1[illegible], 1951. The proposed work was to drill approximately 26 diamond drill holes from surface and present underground workings to intercept the possible extensions of a mineralized zone above and below the present workings. The drilling was to aggregate 2800 feet at an average cost of $8.57 per foot, inclusive cost.

We have examined the progress reports on the operation and present the following summary:

	Wages	Supplies	Contract	Other	Total	Units	Cost/unit
May 23-31	$348.59	$ 7.00	$ 241.50		$597.09	70'	$ 8.52
June	776.11	225.83	1519.15	$100.00	2621.09	445'	5.89
July	1022.75	208.32	1925.40	22.00	3178.47	557'	5.71
August	1239.50	273.09	2370.38	22.00	3904.97	560'	6.97
September	980.20	146.34	770.95	56.00	1953.49	247'	7.91
October	1364.14	324.30	1420.95		3109.39	360'	8.18
November	684.37	315.47	1033.65	45.00	2078.49	283'	7.34
December	403.53	261.89	665.80		1331.22	214'	6.22
					$16774.21	2756'	$6.81

Crosscutting and drill station

November	$1135.77	$238.34	$1374.11	59'	$23.29
December	1398.83	346.25	1745.08	92½'	18.87
			$3119.19	151½'	$20.59

The above costs indicate that the drilling has averaged considerably less than the estimated amount even though trouble was encountered on 2 holes requiring casing and reaming.

The results of the holes, as shown on assay logs submitted with form MF-104, indicates that the work has been very successful. Several holes, in addition to those listed, have shown mineralization, and the logs of a number of the holes drilled have been presented. The tabulation of six drill holes and sampling from two drifts is as follows:

	Area	Samples	High	Footage	Weighted Average, % Lead	Zinc
Hole M	0-29.5	14	23.7% Zn	29.5	-	6.31%
" Y	42.4-67.3	12	18.2% Pb	24.9	3.83	5.44%
" V	51.3-52.3	1	19.8% Zn	1.0	16.35	19.80%
" W	45.5-50.9	2	9.4% Zn	5.4	4.80	7.70%
" W	68.0-69.7	2	12.5% Pb	1.7	7.00	2.80%
" V	32.5-215.5	37	19.4% Zn	129.7	-	3.79%
Drift	0-30	6	28.3% Pb	30.0	9.78	10.04%
"	55.5-108.5	11	28.2% Pb	53.0	6.35	3.44%

The units accomplished up to the end of December indicate that the project was almost completed and while the final report of the drilling and a map indicating the location and extent are not at hand, it appears that a high grade discovery has been made. It also appears that the project has been conducted in an efficient and economical manner.

We thought you would be interested in the results of this analysis and we hope to continue this review on the other contracts in force as opportunity permits.

D. E. Moulds

D. E. Moulds

DEMoulds/meh/hmj
3-31-52
CC to: Adm. Reading File
Docket
Mr. Moulds

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

1201 N. Division St.
Spokane 2, Wash.
March 21, 1952

Chairman, Operating Committee
Defense Minerals Exploration Administration
Department of the Interior
Washington 25, D. C.

Subject: Transmittal of diamond drill logs

Dear Sir:

Enclosed for your records are two copies each of five drill hole logs for the Iroquois mine, Mines Management, Inc., Stevens County, Wash., Contract I-DMA-E1.

Sincerely yours,

M. E. Volin, Member
DMEA Field Team
Region II

Enclosures

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
MAR 24 1952

Sheet No. 1

MINES MANAGEMENT, INC.
RECORD OF SAMPLING

OPENING: D.D.H. #N
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'	9.4	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							

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								
					Core				Sludge				Remarks
From:	To:	Feet	Core	Sldg.	Pb	Zn							
51.3	52.3	1	627B		16.35	19.80							

Sheet No. 1

MINES MANAGEMENT, INC.
RECORD OF SAMPLING

OPENING: D.D.H. #8
Location: #2 XC Drill Station
Elevation of Collar:
Depth: 90.1'
Dip: Horiz.
Bearing: 54° W
Date Begun: 21 Jan. '52
Date Finished: 26 Jan. '52

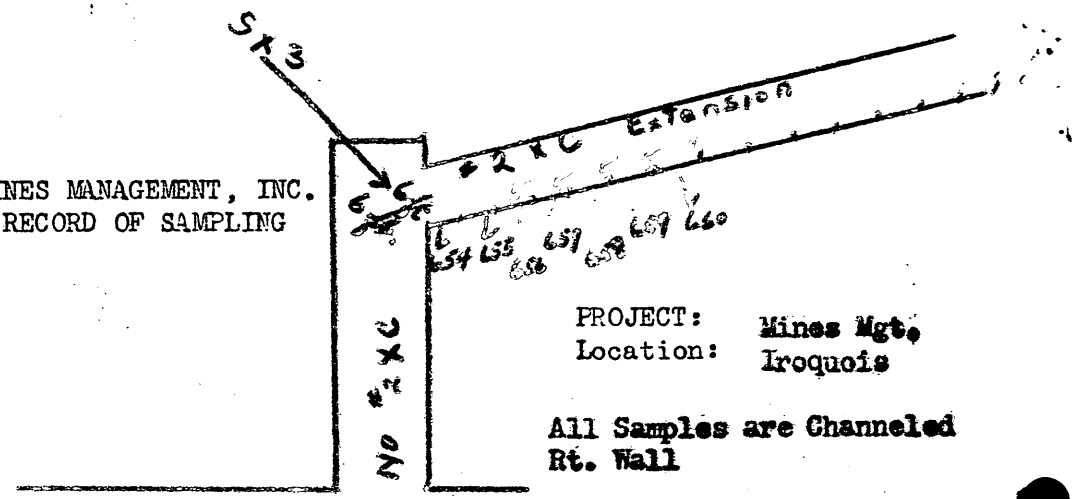
PROJECT: DMA
Location: Iroquois

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							

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							

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'	6603		.75	3.25							
60.5	65.5	5'	6618		.30	.75							
65.5	70.5	5'	6623		8.50	2.00							
70.5	75.5	5'	6638		.35	3.50							
75.5	80.5	5'	6648		2.00	1.50							
80.5	85.5	5'	6658		.40	2.35							
85.5	90.5	5'	6668		1.50	2.00							
90.5	95.5	5'	6678		.00	1.50							
95.5	100.5	5'	6688		16.70	8.50							
100.5	105.5	5'	6698		26.00	8.50							
105.5	108.5	3'	6708		9.70	6.50							

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.
(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-E1

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 99.1 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 2032.5 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.

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			458.01	458.01		
(d) Other Core Boxes	28.00	443.92	471.92			
7. Power	121.29	1319.90	1441.19	1,001.99		
8. Transportation	49.81	277.84	327.65	305.64		
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 $1053.37
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

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 132
Total Contract Amount $ 24,000.00
Government Participation: 50 % Amount, $ 12,000.00
Distribution of Expenditures for Month of December

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
FEB 4 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)

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 Clem A. Mazzill
Amount approved for payment
Remarks

1556 15

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	2000
Overburden										
Rehabilitation and preparation										
Geology and geophysics										
Trenching										
Sampling and assaying										
Roads and trails										
Test pits										
Other (specify) Power				213.84	213.84					
Transportation				48.05	48.05					
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 Nov. 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. #U
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 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. #U
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.F.A.
Location: Iroquois

Williams

Footage			Sample Nos.		Analyses								
					Core				Sludge				Remarks
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							
210.0	212.6	2.6	626B		None	1.3	This is a Dike Sample from Hole E						

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 - E1

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. #N
Location: #2 XC Face
Elevation of Collar:
Depth: 102.3
Dip: - 90°
Bearing:
Date Begun: 20 Oct. '51
Date Finished: 25 Oct. '51

PROJECT: D.M.A.
Location: Iroquois

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							
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							

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]	1820.14	5731.29	7551.43			
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						
10. Contract Work	1033.65	8248.33	9281.98			
11. Other (specify) Assaying	45.00	200.00	245.00			
Total	3452.60	15,364.50	18,817.10			
Deletions						
Adjusted totals						
Totals previously reported	15364.50	--				
Totals to date	18,817.10	15,364.50	18,817.10			

[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. Mazzoli
Amount approved for payment
Remarks

1726.80

16—64068-3

EXPLORATION UNIT COST AND PROGRESS REPORT FOR MONTH OF November

(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	1135.77		238.34			Ft	59			
Raising										
Shafts										
Winzes										
Drill holes	634.37		17.50	1033.65*	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) over				255.48	255.48					
Transportation				42.49	42.49					
Totals	1820.14		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.

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

*For contract diamond drilling

MF-104
(April 1951)

Budget Bureau No. 42-R1036.
Approval expires 6-30-51.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAY 13 1952

DMA-E1
5/16/51
612 Chronicle Bldg.
Spokane 8, Washington

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

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

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

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

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

CERTIFICATION

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

MINES MANAGEMENT, INC.
(Name of Company)

By [signature]
(Signature of Authorized Official)

November 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—64068-1

U. S. BUREAU OF MINES
RECEIVED
NOV 8 1951
ALBANY, OREGON

MONTHLY SUMMARY COST STATEMENT

Name of operator: Mines Management, Inc.
Project No. DMA: I - DMA - E 1
Total contract amount: $24,000.00
Government participation percent: 50%

Distribution of Expenditures for Month of October

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals to Date
Wages and salaries	1364.14	4367.15	5731.29			
Equipment purchase [1]						
Equipment rental [2]						
Buildings						
Explosives						
Repair parts						
Other supplies (Core Boxes)	24.50	122.50	147.00			
Power	255.85	594.73	850.58			
Transportation	43.95	143.35	187.30			
Withholding taxes	Included in Wages Above					
Compensation insurance						
Other insurance						
Contract work	1420.95	6827.38	8248.33			
Other (specify)	-0-	200.00	200.00			
Total	3109.39	12255.11	15364.50			
Totals previously reported	12255.11	--	--			
Totals to date	15364.50	12255.11	15364.50	3109.39	12,255.11	15,364.50

FOR GOVERNMENT USE ONLY

Checked by: W R Lee
Entered by:
Approved by: Glenn C Reed
Amount approved for payment: $1554.69
Remarks:

[1] Enter total purchase price in month purchase is made.
[2] Payments for rental of equipment or prorated depreciation on equipment owned by contractor.

16—64068-1

[redacted]

DISTRIBUTION OF WAGES AND SALARIES FOR MONTH OF October

Name of operator Mines Management, Inc.
Project No. DMA I - DMA - E 1
Total contract amount $24,000.00
Government participation percent 50%

Type	Number	Man-Shifts	Rate	Total
Miners	2	6 (48 hrs)	$ 12.60	$ 75.60
Muckers				
Trammers				
Timbermen				
Pumpmen				
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				
Superintendent	1	- -	- -	166.00
Engineers		9 (72 hrs)	15.00	135.00
Geologists	1	- -	- -	368.34
Bookkeeper	1	1 (8 hrs)	11.20	11.20
Foreman				
Clerks	1	1 (8 hrs)	11.00	11.00
Stenographers				
Other				
Total	8	69 Shifts	- -	$1364.14

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

FOR GOVERNMENT USE ONLY

Checked by
Entered by
Approved by Glenn A. Reed
Remarks

16—64068-1

EXPLORATION UNIT COST AND PROGRESS REPORT FOR MONTH OF October

Name of operator: Mines Management, Inc.
Project No. DMA: I - DMA - E 1
Total contract amount: $24,000.00
Government participation, percent: 50%

Item	Costs					Progress				
	Wages [1] and salaries	Equipment [2]	Supplies	Other [3]	Total	Unit	Units this month	Units previously reported	Units to date	Units authorized by contract
Drifting										
Crosscutting										
Raising										
Shafts										
Winzes										
Drill holes	1364.14		24.50	1420.95	*2809.59	Feet	380	1879	2259	2800
Overburden										
Rehabilitation and preparation										
Geology and geophysics										
Trenching										
Sampling and assaying										
Roads and trails										
Test pits										
Other (specify) Power				255.85	255.85					
Transportation				43.95	43.95					
Totals	1364.14		24.50	1720.75	3109.39					

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

16—64068-1 U. S. GOVERNMENT PRINTING OFFICE

* For contract diamond drilling - including 9 feet of reaming @ $2.00 per foot.

FOR GOVERNMENT USE ONLY

Checked by
Entered by
Approved by Glenn A. Reed
Remarks

U. S. BUREAU OF MINES
RECEIVED
NOV 8 1951
ALBANY, OREGON

MINES MANAGEMENT, INC.

Progress Report

Project - I - DMA - E1

October 1 - October 31, 1951

During the month Hole S was drilled to a depth of 573 feet. No ore has as yet been encountered.

Hole E was extended from 212.4 feet to 300 feet, at which point the hole was stopped without encountering the ore zone.

Hole N was started near the face of the #2 crosscut, was drilled vertically down to 102.3 feet, at which point the hole was stopped. Good zinc and some lead was found from the collar of the hole to a depth of 50 feet. Mineralization was not continuous but was in bands. The core has not as yet been split for sampling.

U. S. BUREAU OF MINES
RECEIVED
NOV 8 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

COPY

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-El

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 Mr-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-El Date 5/16/51, Req. No. _____ Date _____ Invoice Rec'd _____
Amended 7/19/51

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 $_____ / Cash, $_____, on _____, 19____, Payee_____ } on Treasurer of the United States in favor of payee named above.
(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.

16—22900a-1

Per _____
Title _____

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.

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.

Department of the Interior
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.

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 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 2 @ 3.50			
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 September

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
Foreman				
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

9.16.75

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.

KING MANGANESE, INC.

Progress Report

Project - 1 - UM - 52

September 1 - September 30, 1951

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

On September 19 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 11 1951

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. 1-31, 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-61 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.

DEPARTMENT OF THE INTERIOR
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 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						

16—64068-3

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				
Pumpmen				
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	V	V	V	V
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 _____

_____

_____

1952

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 - E1

August 1 - August 31, 1951

During the month Holes M, Q and R were completed, and Holes R, S and E 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 E 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 E 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-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

MF-104
(August 1951)

EXTRA COPY

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Contract No.
Idm-E

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 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
1. Fixtures and Improvements:		~~ITEMS~~				
(a) Facilities		Wages and salaries		1022.75	1124.70	2147.45
		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	3304.81	- - -	
Totals to date	6483.28	3218.18	

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 _____

_____

_____

16—64068-3

1589.23

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.

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

* FOR CONTRACT DIAMOND DRILLING - $1925.40

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 $_____ / Cash, $_____, on _____, 19____, Payee _____ } on Treasurer of the United States in favor of payee named above.

(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)

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

1.

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: 50 % Amount, $ /
Distribution of Expenditures for ~~Month~~ Period 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.

DEPARTMENT OF THE INTERIOR
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 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						

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		

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	25 days month		246.00
Engineers	1	8½ (68 hrs)	15.00	127.50
Geologists	1	9	16.00	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

1609.09

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.

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.

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

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
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 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.

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 - 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.

MONTHLY SUMMARY COST STATEMENT

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

Item	Above Period ~~Month~~ 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	4	20.00	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

298.55

Ed

EXPLORATION UNIT COST AND PROGRESS REPORT FOR 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

OCT 1 0 1961

Mines Management, Inc.
c/o Mr. L. R. Green, President
[illegible] Euclid Avenue
Spokane, Washington

Re: [illegible]-432 (Xing)
Mines Management, Inc.
Iroquois Mine
Stevens County, Washington
Contract [illegible]-[illegible]-[illegible]

Gentlemen:

By the terms of the subject Exploration Project Contract, as amended, and the establishment of discovery or development, dated July 16, 1958, all minerals mined or produced from May 16, 1951, to May 16, 1961, were subject to the Government's percentage royalty as set forth in said contract.

As the period during which production was subject to royalty has now expired, the Government consents to the present release of its claim or lien against the property subject to the contract or any future production therefrom. We, therefore, are closing our books and records on this contract. Your attention, however, is called to the provisions of the contract which require the Operator to keep and preserve certain records for the periods indicated.

Sincerely yours,

George Fumich, Jr.

Director

cc to: Mr. Eugene Wolff
Martinport, Washington

GLault/s
10-5-61

cc to: Director's Reading File
GAMA Division
Region I (X)
Bochet
Code 500

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

CERTIFICATION BY THE UNITED STATES OF AMERICA OF A DISCOVERY OR DEVELOPMENT UNDER AN EXPLORATION PROJECT CONTRACT

To: Mines Management, Inc.
612 Chronicle Building
Spokane 8, Washington

Pursuant to the provisions of Exploration Project Contract No. I-DMA-81, dated May 16, 1951, (Docket No. DMA-432), hereinafter called the "contract", between you and the United States of America, hereinafter called the "Government"; to establish and fix the Government's percentage royalty on production and its lien thereon and on the mineral deposit which is the subject of the exploration project, the Government considers and therefore certifies that a discovery or development has resulted from the work from which commercial production of ore may be made, in or upon that certain property situated in the State of Washington, County of Stevens, described as follows:

Those certain mining claims known and described as "Progress", "Prosperity", "Columbia", "Black Bear", and "Brown Bear" in the Northport Mining District.

Also a tract of land described as follows: Commencing at the corner of Sections 19, 20, 29 and 30, Twp. 40 N., R. 42 E.W.M.; thence N. 89° 47' E. 523 feet along the line between said sections 20 and 29, thence N. 34° 49' W. 601 feet; thence S. 37° 38' W. 1565.2 feet; thence S. 34° 49' E. 224 feet; thence S. 51° 41' W. 631 feet to south line of NE¼ of NE¼ of Sec. 30, said Township and Range; thence East 1145 feet along said South boundary line to line between said Sections 29 and 30 and the southeast corner of said NE¼ of NE¼, thence North along said Section line 1320 feet to point of beginning.

Also the SE¼ of SE¼ Sec. 19, Twp. 40 N., R 42.

The Government's estimate of said discovery or development is particularly described and delimited as follows: Lead-zinc ore containing minor amounts of cadmium and other valuable metals has

been found as a result of the work done under the terms of Contract I-DMA-E1. The ore bodies occur as replacements and disseminations in limestone or dolomite.

Dated: JUL 16 1952

THE UNITED STATES OF AMERICA

By Frank E. Johnson
Acting Administrator, Defense
Minerals Exploration Administration

HFKeller/bjl (7/10/52)

Copy to: Contract Adm. & Audit Div.
Field Team (2)
Finance Office
Base Metals Division
Docket
Mr. Jess Larson, DMPA
Admr. R. File
Operating Committee
Mr. F. E. Johnson
Mr. Murkland
Mr. Thayer, Rm. 5216 GSA
Mr. Hedges, Rm. 4604

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

JUL 1 7 1952

Mr. W. R. Green, President
Mines Management, Inc.
612 Chronicle Building
Spokane 8, Washington

Re: Docket No. DMA-432 (Lead-Zinc)
Contract No. I-DMA-21
Iroquois Mine, Stevens County, Wash.

Dear Mr. Green:

Transmitted herewith is Certification of Discovery under Contract No. I-DMA-21 on the Iroquois Mine in Stevens County, Washington.

By the terms of the Exploration Project Contract and of the Certification, all lead, zinc, and other valuable metals from the aforesaid mine from the date of the Exploration Project Contract, are subject to the Government's percentage royalty as set forth in the contract until the sum of $12,000.00 is paid or until May 16, 1961, whichever occurs first.

Payments should be made to Mr. A. E. Weissenborn, Executive Officer, DMEA Field Team, Region II, South 157 Howard Street, Spokane 4, Washington. Checks should be payable to the Treasurer of the United States. The purchaser should be advised to deduct the royalties from the amount due on each shipment and forward check direct to the Executive Officer.

Royality payments to the Government should be accompanied by suitable evidence, such as copies of settlement sheets, showing quantity and grade of the mineral sold, the name of the purchaser, and the price and charges, certified to be correct by the purchaser.

You are requested to notify Mr. Weissenborn of any changes in ownership or production rights that might have any effect on the Government's right to its percentage royalty. Also, if production ceases at any time for any extended period, please notify Mr. Weissenborn at six-month intervals that no production has been made, when that is the case.

Sincerely yours,

(signed) FRANK E. JOHNSON

Acting Administrator

Enclosure

HFKeller/mb/mcf 6/26/52
cc to: Contract Adm. Audit
Region IV(2)
Mr. Keller
Mr. Hedges
Adm. R. File
Docket
Mr. McKnight
Mr. Thayer
Op. Committee
Mr. Johnson
Mr. Bishop

500

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

Mr. Jess Larson, Administrator
Defense Materials Procurement Agency
GSA Building
Washington 25, D. C.

Re: Docket No. DMA-432 (Lead-Zinc)
Mines Management, Inc.
Iroquois Mine, Stevens County,
Washington, Exploration Project
Contract No. L-DMA-E1

Dear Mr. Larson:

I am enclosing a copy of a "Certification of Discovery" on the above referenced property.

The contract was signed May 16, 1951, the Government participating to the extent of 50% in an exploration project estimated to cost $24,000.00, Government's share $12,000.00, all of which was expended. No salvage funds from the disposal of equipment, materials, and supplies will be recovered.

The contract allowed for 26 diamond core drill holes not to exceed 2800 feet in aggregate length. The contract was amended to allow for a crosscut 151 feet in length. The exploration project was started May 23, 1951 and was completed in January 1952. A total of 18 holes were drilled having a total length of 3056 feet, and a crosscut 151 feet in length was driven to provide a station from which to diamond drill. Of the 18 holes that were drilled, 17 furnished data for calculating ore reserves.

The final report of the Operator indicates that a considerable tonnage of low grade lead-zinc ore was discovered and delineated by the diamond drilling completed under this exploration project. From the data obtained by this diamond drilling and from the sampling of the main level of the mine prior to the contract, it was possible to estimate the following ore reserves which are shown on the enclosed photostat of a map prepared by the Operator and entitled "Tonnage Estimate Map, Iroquois Mine":

Classification	Tonnage	Grade Combined Lead-Zinc
Indicated Ore	502,000	3.88
Inferred Ore	454,000	4.52

Note: Approximate ratio of zinc to lead is 3 to 1.

The final report and estimate of ore reserves by the Field Team is not yet available, but their preliminary calculations verify the magnitude of the discovery. We shall send you a copy of the aforementioned report on its receipt by this Agency.

Sincerely yours,

Acting Administrator

Enclosure

HFKeller/mef/mb
6/26/52
cc To: Contract Adm Audit Div.
Region IV (2)
Mr. Keller
Docket File
Adm R. File
Op. Comm.
Mr. Hedges
Mr. Thayer
Mr. Johnson
Mr. Markland
Mr. Bishop
Mr. McKnight
Extra
Chron

Dmea-432

AMENDMENT NO. 2

It is agreed this 20th day of September, 1951, between the United States of America, acting through the Department of the Interior, Defense Minerals Administration and Mines Management, Inc., 612 Chronicle Bldg., Spokane 8, Wash.

each acting in consideration of the agreement of the other to the terms hereinafter set forth, that the Exploration Project Contract Idm-E1 of May 16, 1951 between the parties hereto be modified and amended as described in Exhibit "F", attached hereto, which, with any maps or drawings attached thereto, is made a part of this agreement. The effective date of this amendment shall be May 16, 1951.

This amendment is made by authority granted the Executive Officer, DMA Field Team, Region II in Order No. 2653 by the Acting Secretary of the Interior.

This amendment shall not be construed to increase the estimated total cost of the project, the aggregate total amount which the Government may be obligated to pay, or the percentage of costs which the Government may be obligated to pay, under the provisions of Article 13 of the contract form.

Executed in sextuplicate the day and year first above written.

MINES MANAGEMENT, INC.
(Operator)

By [signature]

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAR 28 1952

The United States of America

By A. E. Weissenborn

A. E. Weissenborn, Exec. Officer
DMEA Field Team, Region II

MINES MANAGEMENT, INC.
Exploration Project Contract Idm-E1

Amendment No. 2

EXHIBIT "F"

Changes and modifications

1. In paragraph 3, line 5, delete "100 shifts" and substitute "9 months."

Contract adm., Credit Div.

AMENDMENT NO. 1

It is agreed this 13 day of November, 1951, between the United States of America, acting through the Department of the Interior, Defense Minerals Administration and Mines Management Inc., 612 Chronicle Building, Spokane 8, Washington

each acting in consideration of the agreement of the other to the terms hereinafter set forth, that the Exploration Project Contract I-DMA E1 of May 16, 1951 between the parties hereto be modified and amended as described in Exhibit "F", attached hereto, which, with any maps or drawings attached thereto, is made a part of this agreement. The effective date of this amendment shall be November 13, 1951.

This amendment is made by authority granted the Executive Officer, DMA Field Team, Region II in Order No. 2653 by the Acting Secretary of the Interior.

This amendment shall not be construed to increase the estimated total cost of the project, the aggregate total amount which the Government may be obligated to pay, or the percentage of costs which the Government may be obligated to pay, under the provisions of Article 13 of the contract form.

Executed in sextuplicate the day and year first above written.

(Operator)

By [signature]
Mines Management Inc.

The United States of America

By Glenn A. Reed
Glenn Reed
For: M. E. Volin,
Acting Executive Officer, DMA Field Team, Region II

DMA 432
I-DMA-E1

EXHIBIT "F"

Amendment No. 1

Beginning 10 feet back from the face of the present No. 2 crosscut, a crosscut is to be driven S. 27° W., for a distance of 150 feet. A diamond drill station is to be cut at the face of this crosscut from which two inclined diamond drill holes will be drilled to intersect the southwestern extension of the ore zone now exposed near the face of No. 2 crosscut. These holes will intersect the ore zone approximately 100 feet below the No. 2 crosscut level.

150 ft. crosscutting at $25/ft.	$3750.00
Cutting diamond drill station	200.00
300 ft. diamond drilling	2250.00
	$6200.00

One hole is to be diamond-drilled from No. 10 crosscut with vertical angle -27° in the same vertical plane as pre-existing diamond drill hole No. 19. This is to explore downward extension of ore intersected in DDH. 19.

200 ft. diamond drilling at $7.50/ft. $1500.00

Labor and Supervision Job Classification	Maximum number on project
Miners	2

Labor for the project may be paid at shift rates or unit contracts at the discretion of the Company but rates are not to exceed standards of like work in this district. Contract rates for crosscutting are $8.00 per foot; wage rates for miners are $1.735 per hour.

Docket DMA-432
Contract No. Idm-E1
Mines Management, Inc. (Iroquois)
Stevens County, Washington

JUSTIFICATION FOR AMENDMENT NO. 1

The original contract allows only for diamond drilling. As a result of a negatively inclined vertical hole near the face of the No. 2 crosscut, it was found that a promising ore zone occurred here, dipping nearly 60 degrees toward the face of the crosscut. Inasmuch as there were no available locations in the mine workings from where to drill to intersect this zone at a favorable angle at different places along the strike, it was decided to drive a crosscut in such a direction that a drill station could be cut in it and from which the newly discovered ore zone could be penetrated with drill holes at a favorable angle. Information gained by drilling from this new drill station would accrue to the benefit of both the Government and the Operator as added evidence can be gained concerning the thickness, grade, and bearing of the newly discovered ore zone.

Contracts & Audits
Dr. 4/32
Lead, Zinc Chromite

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JAN 2 - 1952

APPROVAL

Contract dated December 5 19 51, between Mines Management, Inc., 612 Chronicle Bldg., Spokane, Wash.

and Havlick Diamond Drilling Co., Spokane, Wash.

for carrying out certain specified work under the provisions of Exploration Project Contract I-DMA-E1 between the United States of America and Mines Management, Inc.

is hereby approved.

This approval shall not be construed to increase the estimated total cost of the project, the aggregate total amount that the Government may pay, or the percentage of the costs that the Government may pay, under the provisions of Article 13 of the Contract form.

Dated January 7 19 52.

The United States of America

By A. E. Weissenborn

A. E. Weissenborn
Executive Officer
~~DMEA Field Team, Region II~~

COPY

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JAN 2 1 1952

AGREEMENT

THIS AGREEMENT made and entered into this 5th day of December 19 51 by and between MINE MANAGEMENT, INC. of CHRONICLE BLDG., SPOKANE, WASHINGTON hereinafter referred to as "THE COMPANY" and HAVLICK DIAMOND DRILLING CO., INC., diamond drilling contractors, whose address is ~~1509 West Second Ave.~~ 2703 No. Pittsburg St., Spokane, Wash., hereinafter referred to as "THE CONTRACTOR".

In consideration of certain payments hereby agreed to be made by the Company, the Contractor agrees to drill Fifteen Hundred lineal feet at or near NORTHPORT, WASHINGTON and more especially known as the Iroquois Mine at drill sites to be selected by the Company, subject to the terms and conditions hereinafter set forth, provided this agreement is accepted within fifteen days of the above date.

1. LABOR AND MACHINERY: The Contractor undertakes to supply all the necessary diamonds, diamond drill machinery and men skilled in the operation thereof.

2. SIZE OR CORE AND RECOVERY: All holes under this agreement shall be drilled with standard size E.X.H. double tube core-barrel producing a core about 7/8 inches in diameter, the drill crew shall exercise every care and precaution to recover as high a percentage of core as the core-barrels used and the nature of the ground drilled will permit, and to deliver all such core to the person or persons designated by the Company, the Company shall determine the depth and angle of each hole, make provisions for the safe keeping of all cores recovered and keep such records as it may deem advisable in respect to them.

3. DEPTH OF MEASUREMENT OF HOLES AND COMPLETION THEREOF:

(a) No one hole shall exceed a depth of 300 feet; the Contractor shall use his best endeavors to complete all holes according to the wishes of the Company, but should cavaties or loose and caving material be encountered of such a nature as to prevent successful completion of any hole, the Contractor does not guarantee to drill to any certain depth, but shall drill as far as practicable under the conditions and shall be paid for such hole or holes at the rate herein specified for all footage completed.

(b) All measurements of holes shall be from the floor, the top of the casing or collar of holes.

4. DRILLING UNDER EXTRAORDINARY CONDITIONS: In the event that deeper drilling be found necessary, or drilling of concrete, drilling of extra large holes or drilling of holes not provided for in this agreement, it shall be performed at a special rate to be agreed upon between the parties hereto,

5. COMMENCEMENT AND EXECUTION OF WORK: Work under this agreement shall commence on or about the 15th day of December 19 51, with one drill~~s~~, with minimum of two shifts and shall continue with all due diligence until completed, provided always the Contractor shall not be liable for any loss or damage suffered by the Company by reason of strikes, accidents, acts of God, war, or action of the elements.

6. RATES FOR DRILLING: The Company agrees to pay for all drilling according to the following base drilling price schedules: This schedule is for any angle holes where the Mining Company supplies compressed air power.

From a depth of	0	feet to a depth of	300	feet	$5.00	per foot.
From a depth of		feet to a depth of		feet		per foot.
From a depth of		feet to a depth of		feet		per foot.
From a depth of		feet to a depth of		feet		per foot.
From a depth of		feet to a depth of		feet		per foot.
From a depth of		feet to a depth of		feet		per foot.
From a depth of		feet to a depth of		feet		per foot.
From a depth of		feet to a depth of		feet		per foot.
From a depth of		feet to a depth of		feet		per foot.
From a depth of		feet to a depth of		feet		per foot.

7. STANDPIPING, CASING AND CEMENTING OF HOLES: In the event of driving standpipe through overburden or casing being found necessary or advisable, or should cementing of any hole be deemed advisable, the Contractor shall be paid additional to the above base drilling price, in Clause Six, for such work as performed at the following schedule:

(a) STANDPIPING to be priced from a depth of xxxx to xxxxx feet xxxxxx per foot.
STANDPIPING to be priced from a depth of xxxx to xxxxx feet xxxxxx per foot.
STANDPIPING to be priced from a depth of xxxx to xxxxx feet xxxxxx per foot.

(b) CASING HOLES: When it becomes necessary to put casing in any hole, the price per lineal ft. for reaming the hole shall be at the following rates:

$ 1.50 per ft. for E.X. Casing — $ 2.00 per ft. for B.X. Casing
$ 1.75 per ft. for A.X. Casing — $ 2.25 per ft. for N.X. Casing

plus a charge of $ .25 per lineal ft. for inserting and removing each line or size of casing. Casing irrecoverable or left in the hole at the Company's request, will be priced at cost - plus 10%.

(c) The price of cementing holes shall be $7.00 per hour for delayed time putting in cement and for drilling out cement and furnishing cement.

8. DELAYS: Delays for which the Company is responsible, the Company shall pay the Contractor $6.00 per hour, except where the Company gives the Contractor 24 hours written notice, in which event there will be no delayed-time charges.

9. SET-UPS AND WATER: The Company agrees to prepare set-ups and supply sufficient water and sufficient compressed air at the drill and to prepare necessary space to pull five feet of rods where holes do not exceed 100 feet in depth, and where holes exceed a depth of 100 feet, shall prepare enough space to pull 10 feet of rods.

10. PAYMENT: The Company hereby agrees to make payments at the rates and according to the terms hereinbefore specified, on or before the fifteenth day of each month for all footage drilled between the first and thirty-first days of the preceding month. On accounts unpaid thirty days from invoice date, interest will be charged at the rate of 10% per annum.

11. The Contractor agrees to take care of all Compensation, Taxes and Insurance on all men employed on the above work.

12. ~~The Company agrees to transport the drilling equipment from the nearest freight terminal to the mine and return to the freight terminal on completion of the contract.~~

13. ~~The Company will endeavor to provide meals and accommodations for the drill crew at prevailing rates.~~

14. ~~The Company shall furnish satisfactory evidence of ability to pay for all work completed under this agreement or the Company agrees to place in escrow a copy of this agreement with the Washington Trust Company, Spokane, Washington together with sufficient funds to cover cost of drilling under this agreement. The Contractor is to be paid for the drilling completed each month from these escrow funds upon presentation of invoices for the month, approved by the Company's official in charge of the operations.~~

SPECIAL CLAUSES

NOTICE: Any notice to be given hereunder shall be properly given if delivered in writing to the:

COMPANY'S ADDRESS AS FOLLOWS:

MINES MANAGEMENT, INC.

612 CHRONICLE BLDG., SPOKANE, WASH.

CONTRACTOR'S ADDRESS AS FOLLOWS:

HAVLICK DIAMOND DRILLING CO., INC.

2703 No. Pittsburg St.

~~1509 West Second Avenue~~

Spokane, ~~Wa~~ Washington

26

IN WITNESS WHEREOF these presents have been executed by the parties hereto the day and year first above written.

COMPANY _____

WITNESS _____

CONTRACTOR J. L. Havlick

WITNESS M. E. Eklund

MF-200
(A[illegible])

Index [illegible]
No. Card
Card
Reviewed NC

6/7/51

RECEIVED
MAY 18 1951
G. A. O.

920 Idm-E-1

Docket No. DMA 4-3021
Commodity Zinc
~~I-DMA-E1~~

UNITED STATES OF AMERICA
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

EXPLORATION PROJECT CONTRACT [1]

It is agreed this 16 day of May, 1951, between the United States of America, acting through the Department of the Interior, Defense Minerals Administration, hereinafter called the "Government" and

Mines Management, Inc.
612 Chronical Building
Spokane 8, Washington

hereinafter called the "Operator," as follows:

RECEIVED
CONTRACT SERV. SEC.
G. A. O.

1. *Authority for contract.* This agreement is entered into under the authority of the Defense Production Act of 1950, pursuant to Mineral Order 5, entitled "Regulations Governing Government Aid in Defense Exploration Projects."

2. *Operator's property rights.* The exploration project shall be conducted on that certain property situated in the State of Washington, County of Stevens described as follows: [3]

Those certain mining claims known and described as "Progress", "Prosperity", "Columbia", "Black Bear", and "Brown Bear" in the Northport Mining District

with respect to which the Operator represents and undertakes:

(*a*) That he is ~~[illegible]~~, in possession and entitled to possession, and that the property is subject only to the following claims, liens, or encumbrances as to each of which the subordination agreement of the holder is attached:
$10,000 balance of purchase price due, $5,000 due May 15, 1951 and $5,000 due November 15, 1951 on five claims; other claims free and clear.

(*b*) That he is a lessee, in possession and entitled to possession, and the subordination agreement of the lessor is attached.

3. *Exploration project.* The Operator, within ten days from the date of this contract shall commence work on a project of exploration for [5] zinc, lead and cadmium; shall prosecute the work efficiently, expertly, in a workmanlike manner, in accordance with good mining standards, with suitable and adequate equipment, materials, and labor, all properly designed to bring the project to completion within a period of [6] 100 shifts * from the date of this contract. The exploration project and the work to be performed are more fully described on Exhibit "A" attached hereto, which, with any maps or drawings thereto attached, is made a part of this contract.

4. *Performance of the work.* The work shall be performed by the Operator, under his sole direction and control: *Provided,* That with the consent of the Government and its written approval of the contract or contracts, all or any part of the work may be performed by the Operator through contract or contracts with independent contractors. The Government shall have the right to enter and observe and inspect the work at all reasonable times, and the Operator shall provide the Government with all available means for doing so. The Government may consult with and advise the Operator on all phases of the work.

5. *Fixtures and improvements.* The Operator shall devote the land and all existing improvements, facilities, buildings, installations, and appurtenances to the purposes of the exploration project without any allowance for the use, rental value, depreciation, depletion, or other cost of acquiring, owning, or holding possession thereof. Attached hereto, marked "Exhibit 'B'," is a detailed list of additional facilities, buildings, and fixtures, to be purchased, installed, or erected by the Operator, with the estimated cost of each, to which the Government will contribute its agreed pro-rata share of the cost. The difference between the cost of such additional facilities, buildings, or fixtures, and the salvage value thereof at the conclusion of the work, shall be charged as a cost of the project to which the Government has contributed its pro-rata share.

6. *Operating equipment.* Attached hereto, marked "Exhibit 'C'," is a detailed list of operating equipment divided into categories of items to be rented, purchased, or furnished by the Operator, with the allowable rental, purchase price, or rental value, as the case may be, annexed to each. As to equipment purchased for the project, the Government will contribute its agreed pro-rata share of the cost thereof, and the difference between the cost and the salvage value at the conclusion of the work shall be charged to cost of the project to which the Government has contributed its pro-rata share.

[1] If sufficient space is not provided in any blank, use an extra sheet of paper and refer to it in the blank.
[2] State name, address, and nature of organization if any.
[3] Give legal description or enough to identify the property.
[4] Strike out the provision not applicable.
[5] Name of mineral.
[6] Not in excess of 2 years.

* If skilled help is available the work will be carried out on a 3 shift basis.

16—64066-1

7. *Title to and disposition of property.* All facilities, buildings, fixtures, equipment, or other items costing more than [illegible] each, paid for or purchased with funds contributed jointly by the Operator and the Government, shall belong to the Operator and the Government jointly, in proportion to their respective contributions, and upon the termination of the contract, if they have any salvage value, shall be disposed of for their joint account unless the Government, in writing, waives its interest in any such items. The Government may require the dismantling, severance from land, and removal of any such items in order to realize its interest in the salvage value thereof, and the cost of any such removal and of the disposal of the items shall be for the joint account of the parties in proportion to their respective interests.

8. *Labor and supervision.* Attached hereto, marked "Exhibit 'D'," is an itemized schedule of labor, by numbers and classes (miners, muckers, millmen, etc.), and of supervisors, by numbers and positions, with the maximum wages or salaries that may be paid to each as an allowable cost of the project.

9. *Rehabilitation and repairs.* Attached hereto, marked "Exhibit 'E'," is a detailed schedule of existing facilities, buildings, installations, and fixtures, with a statement of the cost of any necessary rehabilitation or repairs to put into useful and operable condition, which cost shall be allowed as a cost of the project.

10. *Allowable costs of the project.* The allowable costs of the project in which the Government will participate are limited to the necessary, reasonable, direct costs of performing the exploration work, including the costs of materials, supplies, engineering, power, water, and utilities, including items of equipment costing less than $50 each; and the costs referred to in Articles 5, 6, 8, and 9, and the exhibits annexed to and referred to in the contract. Although the Government may pay part of the cost of new or additional facilities, structures, buildings, and equipment, only the depreciation on such items, computed as indicated in Articles 5 and 6, will be charged as a cost of the project. No items of general overhead, corporate management, interest, or any other indirect costs not expressly allowed by these regulations, or work performed or costs incurred before the date of this contract, shall be allowed as costs of the project in which the Government will participate.

11. *Participation by the Government.* At the end of the first full calendar month after the Operator has commenced work under the project, and at the end of each succeeding calendar month, the Operator shall submit to the Government a voucher for payment with a detailed statement of work done and allowable costs (as defined in Article 10 of this agreement) incurred, in a form and with supporting data acceptable to the Government. After approving the voucher, the Government shall pay to the Operator 50 percent of the sum of such costs incurred; *Provided,* That the aggregate total of all sums paid by the Government under this agreement shall not exceed $12,000, which is 50 percent of the agreed estimated total cost of this project, $24,000.

12. *Accounts and audits.* The Operator shall keep suitable records and accounts of operations, which the Government may inspect and audit at any time. The Government may at any time require an audit of the Operator's records and accounts by a certified public accountant, the cost thereof to be treated as a cost of the project. The Operator shall keep and preserve said records and accounts for at least 3 years after the completion of the project or the termination of this contract.

13. *Progress reports.* The Operator shall provide the Government with monthly reports of progress in form and content satisfactory to the Government, and upon the completion of the project or termination of the contract shall provide the Government with a comprehensive geologic and engineering report, including an estimate of ore reserves, to the best of his ability. Four copies of all reports shall be furnished to the Government.

14. *Repayment by Operator.* If, upon the completion of the exploration project or termination of the contract, the Government considers that a discovery or development has resulted from the work from which commercial production of ore may be made, the Government, within 6 months thereafter shall so certify to the Operator, particularly describing and delimiting its estimate of the discovery or the development. Thereafter, if and as ore is produced as a result of such discovery or development, the Operator and his successor in interest shall be and become obligated to pay to the Government a percentage royalty on the net smelter returns or other net proceeds realized from such ore, concentrates, or metal produced within ten (10) years from the date of this contract, until the total amount contributed by the Government, without interest, is fully repaid or said 10 years have elapsed, whichever occurs first, as follows:

Of net smelter returns or other net proceeds not in excess of eight dollars ($8.00) per ton of ore: One and one-half (1½) percent.

Of net smelter returns or other net proceeds in excess of eight dollars ($8.00) per ton of ore: One and one-half (1½) percent, plus one-half (½) percent additional for each full fifty cents ($0.50) in excess of eight dollars ($8.00) per ton of ore, but not in excess of a maximum of five (5) percent.

This obligation to repay from net returns or proceeds shall be and remain a claim and lien upon the property which is the subject of the exploration project and upon any production resulting from such discovery or development, in favor of the Government, until fully paid, or until said 10-year period has elapsed; and this claim and lien and the Government's right to repayment shall survive any termination of the contract, whether by completion of the exploration project or otherwise. This article is not to be construed as imposing any obligation on the Operator or his successor in interest to produce ore from any such discovery or development.

15. *No assignment of contract.* Without the written consent of the Government, the Operator shall not assign or otherwise transfer or hypothecate this contract or any rights thereunder.

16. *Termination and completion.* The Government may, at any time, by written notice to the Operator, terminate this contract: (*a*) If the Operator fails to provide his share of the money necessary to prosecute operations pursuant to the terms of the contract; (*b*) if the Operator, in the opinion of the Government, fails to prosecute operations pursuant to the terms of the contract; or (*c*) if in the opinion of the Government, operations up to the time of the notice have not indicated the probability of making any worthwhile discovery and in the opinion of the Government further operations are not justified. Upon the completion of the project or any termination of the contract the Operator shall render to the Government a full and final accounting of his operations under the contract and his expenditures of money; shall dispose of any unused materials, supplies, and equipment for the joint account of the Operator and the Government in the proportion of their respective interests; and shall pay to the Government its pro-rata share of any money remaining.

Executed in triplicate the day and year first above written.

MINES MANAGEMENT, INC.
(Operator)

By [signature]
President

THE UNITED STATES OF AMERICA

By [signature]
Administrator, Defense Minerals Administrat

U. S. GOVERNMENT PRINTING OFFICE 16—64000-1

Also a tract of land described as follows: Commencing at the corner of Sections 19, 20, 29 and 30, Twp. 40 N., R. 42 E.W.M.; thence N. 89° 47' E. 523 feet along the line between said sections 20 and 29, thence N. 34° 49' W. 601 feet; thence S. 37° 38' W. 1565.2 feet; thence S. 34° 49' E. 224 feet; thence S. 51° 41' W. 631 feet to south line of NE$\frac{1}{4}$ of NE$\frac{1}{4}$ of Sec. 30, said Township and Range; thence East 1145 feet along said South boundary line to line between said Sections 29 and 30 and the southeast corner of said NE$\frac{1}{4}$ of NE$\frac{1}{4}$; thence North along said Section line 1320 feet to point of beginning.

Also the SE$\frac{1}{4}$ of SE$\frac{1}{4}$ Sec. 19, Twp. 40 N., R. 42.

Docket No. DMA-432
Commodity - Zinc

EXPLORATION PROJECT CONTRACT

EXHIBIT "A"

Exploration Project:

Drill approximately 26 Diamond Drill holes from surface and present underground workings to intercept the possible extensions of a mineralized zone above and below the present workings. (See attached map).

Approximately 2,800 feet of Diamond Drilling at an average cost of approximately $8.57 per foot (including supervision, labor, engineering, fuel, other supplies, sampling, assaying, etc.). - $24,000.00

EXHIBIT "B"

Fixtures and Improvements:

Any additional facilities, buildings and fixtures to be purchased, installed or erected by the Operator shall not be charged as a cost of the project.

EXHIBIT "C"

Operating Equipment:

Equipment rented, purchased or owned and furnished by the Operator, shall not be charged as a cost of the project.

EXHIBIT "D"

Labor and Supervision:

Labor

No.	Class	Maximum wage rate Per 8 hr. shift
1 to 3	Mechanic	$ 12.00
1 to 3	Sampler	12.00

Supervisor

No.	Class	Maximum Salary Per Month
1	Engineer	$ 375.00
1	Geologist	400.00
1	Superintendent	500.00
		1275.00

EXHIBIT "E"

Rehabilitation and Repairs:

The cost of any rehabilitation and repairs to put existing facilities, buildings, installations and fixtures, into useful and operable condition shall not be charged as a cost of the project.

MF-202

LANDLORD'S SUBORDINATION AGREEMENT

KNOW ALL MEN BY THESE PRESENTS:

WHEREAS, the undersigned is the owner in fee simple of that certain parcel of ground in the county of Stevens, State of Washington, described in a certain Exploration Project Contract dated May 16, 1951, between Mines Management, Inc.,

the Lessee of said property, and the United States of America;

NOW, THEREFORE, the undersigned, as Lessor of said property under lease dated May 15, 1948, does by these presents subordinate all of his right, title, and interest under the provisions of said lease to the right, title, and interest of the United States of America under the provisions of said Exploration Project Contract, and agrees that the lien and claim of the United States of America under the provisions of said contract shall be prior to the undersigned's rights to rentals or royalties under the terms of said lease; and

The undersigned further agrees that if said leasehold interest should be surrendered or if said lease should terminate at any time prior to the expiration of the rights of the United States of America under said Exploration Project Contract, the undersigned shall assume and does hereby assume all of the obligations of the Lessee under said Exploration Project Contract to make repayment to the United States of America according to the terms of said contract; and

The undersigned agrees to commit no act, nor assert any claim under judicial process or otherwise that may contravene or conflict with the prior lien and claim of the United States of America under the provisions of said Exploration Project Contract.

This undertaking and covenant shall be binding upon the heirs, successors, and assigns of the undersigned.

Dated this 1st day of May, 1951.

Magnus [illegible]

U. S. GOVERNMENT PRINTING OFFICE 940768

A S S I G N M E N T

KNOW ALL MEN BY THESE PRESENTS that W. RANDOLPH GREEN and JACQUELINE R. GREEN, husband and wife, for and in consideration of the sum of Ten ($10.00) Dollars and other valuable considerations, the receipt whereof is hereby acknowledged, have SOLD, ASSIGNED, TRANSFERRED and SET OVER and by these presents do hereby sell, assign, transfer and set over unto the MINES MANAGEMENT INC., a corporation qualified to do business in the State of Washington, its successors and assigns

> all our right, title and interest in and to the attached Lease and Option dated the 15th day of May, 1948 for the purchase of certain mining claims and property from Grace C. Wells, a widow, and Magnus Wulff, a widower, therein called Lessors, and W. Randolph Green, one of the parties hereto

and we do hereby give the said MINES MANAGEMENT INC., a corporation, its successors and assigns, full power and authority for its use and benefit but at its cost, to take all legal measures which may be proper for the complete recovery, use and enjoyment of said assigned property rights, and in our name or otherwise to prosecute and defend any and all suits in law or in equity required to enjoy the full use of all rights therein and thereto as provided in the assigned contract.

IN WITNESS WHEREOF we have hereunto set our hands and seals this 7th day of September, 1948.

W. Randolph Green (SEAL)

Jacqueline R. Green (SEAL)

STATE OF WASHINGTON)
) ss
County of Spokane)

I, Jerome C. Barline, a Notary Public in and for said county and state, do hereby certify that on this 7th day of September, 1948 personally appeared before W. RANDOLPH GREEN and JACQUELINE R. GREEN, husband and wife, and known to me to

LEASE AND OPTION

THIS LEASE AND OPTION Made this 15th day of May, 1948 by and between Grace C. Wells, a widow and Magnus Wulff, a widower, as parties of the first part hereinafter called the Lessors and W. Randolph Green, as party of the second part, hereinafter called the Lessee,

WITNESSETH:

That the Lessors, for and in consideration of the sum of One Dollar, and in consideration of the covenants herein contained, and the rentals hereinafter reserved by the Lessors, do hereby lease unto the Lessee for the term of one year from and after the date hereof, subject to the conditions herein contained, the following described premises, situate in Stevens County, Washington, to-wit:

Those certain mining claims known and described as "Progress", "Prosperity", "Columbia", "Black Bear", and "Brown Bear" in the Northport Mining District

Also a tract of land described as follows: Commencing at the corner of Sections 19, 20, 29 and 30, Twp. 40 N., R. 42 EWM; thence N. 89° 47' E. 523 feet along the line between said sections 20 and 29, thence N. 34° 49' W. 601 feet; thence S. 37°38' W. 1565.2 feet; thence S. 34° 49' E. 224 feet; thence S. 51° 41' W. 631 feet to south line of NE$\frac{1}{4}$ of NE$\frac{1}{4}$ of Sec. 30, said Township and Range; thence East 1145 feet along said South boundary line to line between said Sections 29 and 30 and the southeast corner of said NE$\frac{1}{4}$ of NE$\frac{1}{4}$; thence North along said Section line 1320 feet to point of beginning.

Also the SE$\frac{1}{4}$ of SE$\frac{1}{4}$ Sec. 19, Twp. 40 N., R. 42

and do grant and give to the Lessee during the term of this lease and no longer the first right, option and privilege of purchasing said property upon the terms and conditions hereinafter set forth.

And the Lessee does hereby agree to lease the said premises for said period, and upon the execution of this agreement, the Lessee shall have the right to enter upon said premises and property, prospect and explore for and develop the ores and minerals found thereon and therein, and to ship, sell and market all minerals and ores and metals found thereon and to erect, construct, install and operate and maintain such tunnels, drifts, stopes, mining developments and excavations, buildings, and such plants and equipment as may be useful in the development and mining of such ores and minerals, and the extracting, mining, milling and shipment thereof, and to take from said premises and use thereon such timber as may be necessary for mining operations on said premises.

And as rental for said premises, the Lessee agrees that he will pay to the Lessors ten per cent of the net smelter returns from all ores, metals, minerals and concentrates shipped from said premises during the term of this lease, such royalty of ten per cent is to be paid direct by the smelter or other purchaser of such ores, metals, minerals and concentrates direct to the Guaranty State Bank

mail to the Lessor, Magnus Wulff at Northport, Washington, or his last known address, to the Lessor Grace C. Wells at 1035 Burwell Apt. 3, Bremerton, Washington, or her last known address; and in case of such exercise of said option the purchase price of said premises shall be the sum of $30,000.00, payable as follows:

$5000.00 at the time of the exercise of said option by giving the notice aforesaid.

$5000.00 every six months thereafter until the full purchase price of $30,000.00 is paid.

And in the event of the exercise of said option and until the purchase price of said property is fully paid, the Lessee shall and he does so agree to pay to the Lessors, as royalties on all ores, minerals, metals and concentrates mined and shipped and sold from said property a royalty of ten per cent of all net smelter returns as hereinbefore defined. All royalty payments as and when received by the Lessors shall be credited to and applied by the Lessors upon the payments to be made by Lessee upon the purchase price of said property and the installments thereon to be paid as herein provided and in the order of their maturity, and all sums paid as rental prior to the exercise of said option shall be so credited on the purchase price of said property.

And it is hereby further agreed that as and when shipments of ores, minerals, metals or concentrates are made by the Lessees from said premises or sales thereof made by Lessees, a statement shall be made and furnished to the Lessors showing the amount thereof, dates shipped and sold, the consignee or purchaser, and his or its address, and the price received, and such payments of royalties hereunder shall be paid direct by the smelter or purchaser to said Bank for Lessors and be accompanied by a duplicate statement of such smelter or purchaser containing the information herein specified. This contract shall be authority to such smelter or purchaser to make such payments. All smelter returns are to be treated confidentially by parties of first part.

All payments and royalties specified herein to be paid by Lessees shall be paid to the Guaranty State Bank at Colville, Washington for the said Lessors.

And it is agreed that the Lessee shall keep true and correct books and accounts showing production, shipments, dates and receipts and that the Lessors shall have the right to inspect same at any and all reasonable times and such books and accounts shall be kept available for such purpose.

And it is further agreed that the Lessors or their representatives shall have the right of entering on and inspecting the said mining property and the operations thereon at reasonable intervals.

Lessee agrees that he will at all times keep the property properly posted stating that employees and persons furnishing materials, equipment, machinery, etc. must look to the Lessee for payment of all accounts, and that the owners of the property are not responsible for wages or any other accounts. The Lessee shall pay all labor at least once in each thirty days, and also shall pay accounts for supplies, materials, etc. promptly when due.

And the Lessee agrees to pay the State of Washington, as and when due, all

premises and place the same in escrow with said Bank, to be delivered by it to Lessee upon full payment of the purchase price, in the manner and within the time herein limited and specified, and when said purchase price has been fully paid, the Lessors shall furnish an abstract of title showing good title in the Lessors, free of encumbrances. A copy of this agreement shall likewise be deposited in said Bank with said deed. The Lessors may at their own expense draw an abstract at this time, may deduct the cost from the next due payment.

In the event of the failure of the Lessee to comply with the terms and conditions hereof, and make payment of said purchase price as herein provided, all escrow papers shall be returned to Lessors.

And it is agreed between the parties that any machinery and equipment installed by Lessee on the property, which is not permanently affixed thereto, may be removed by the Lessee should this agreement be forfeited or terminated, but that all buildings and permanent improvements are to remain upon the property and the title thereto be vested in the Lessors, and that the Lessee may have the period of sixty days after such termination to remove his property removable hereunder.

Time is of the essence of this agreement, and in the event of the failure of the Lessee to comply with the terms of this lease, or in the event of the exercise of the option to purchase, the failure to comply with the terms of said option, and to make the payments within the time and in the manner herein specified, then the Lessors, at their option may terminate this contract, lease and option by notice thereof directed to the Lessee at his address at West 2324 Dalton Ave., Spokane, Washington, or his last known address, said notice to be given by registered mail, and to specify the defaults of Lessee and thereafter the Lessee shall have the period of 30 days to cure and correct such defaults, and in the event he fails so to do, then this lease and option shall be deemed cancelled and terminated without further notice, and all rights of Lessee thereunder terminated, and in the event of such termination and forfeiture, the Lessors shall keep and retain all sums theretofore paid, and all buildings and other permanent improvements, as rental and as damages hereby liquidated for the failure of the Lessee to comply with the terms hereof. In like manner the Lessees may relinquish this option without cost to them by giving notice in writing to the above named owners.

And it is agreed that in the event of default by Lessee in any of the terms and conditions hereof and in making payments as herein specified the remedy of the Lessors shall be forfeiture and termination of this lease and option, and they shall have no personal action against the Lessee.

The option to purchase herein granted shall be in force and effect and must be exercised as herein specified and within the term of this lease, to-wit, within one year from the date hereof.

The terms of this agreement shall extend to and inure to the benefit of the parties, their heirs, executors, administrators and assigns.

Any notices required to be given hereunder by the parties, the one to the other shall be addressed to the parties as follows:

To Lessors: Magnus Wulff, Northport, Wash.
Grace C. Wells, 1035 Burwell Apt. 3, Bremerton, Wash.

STATE OF WASHINGTON)
) ss
County of Stevens)

I, J. H. Guenther, a Notary Public for said County and State do hereby certify that on this 4th day of May, 1948, personally appeared before me MAGNUS WULFF, to me known to be the individual described in and who executed the above and foregoing instrument and he acknowledged that he signed and sealed the same as his free and voluntary act and deed for the uses and purposes therein mentioned.

Witness my hand and official seal this 4th day of May, 1948.

J. H. Guenther
Notary Public in and for the
State of Washington, residing (SEAL)
at Northport.

STATE OF WASHINGTON)
) ss
County of Kitsap)

I, Corinne Rosvold, a Notary Public for said County and State do hereby certify that on this 7th day of May, 1948, personally appeared before me GRACE C. WELLS, to me known to be the individual described in and who executed the above and foregoing instrument, and she acknowledged that she signed and sealed the same as her free and voluntary act and deed for the uses and purposes therein mentioned.

Witness my hand and official seal this 7th day of May, 1948.

Corinne Rosvold
Notary Public in and for the
State of Washington, residing (SEAL)
at Bremerton.

RECEIVED
MAY 18 1951
G. A. O.

May 17, 1951

Mines Management, Inc.,
612 Chronical Building
Spokane 8, Washington

Re: Docket No. 432 (Zinc)
Exploration Project Contract

Gentlemen:

There is enclosed executed Exploration Project Contract No. I-DMA-21, dated May 16, 1951 with attached Exhibits "A", "B", "C", "D" and "E", and maps.

If you have any questions in connection with the project as approved, it is suggested that you contact Mr. A. E. Weisenborn, Executive Officer, DMA Field Team, Region II, South 157 Howard Street, Spokane, Washington. In any case, please notify Mr. Weisenborn when you plan to start work on the project.

Sincerely yours,

C. O. Mittendorf, Director
Production Expansion Division

Enclosures

FEJohnson/bih

cc to: Messrs. Field Team-Region II
Mittendorf
Olmsd
Strobel
Lyons
Rowe
Moon
G.A.O.
Finance Sec. Bureau of Mines
FEJohnson
F I L E S

MINES MANAGEMENT, INC.

Northport, Wash.

Docket DMA No. 432, Contract No. I-DMA-E1LANDON F. STUCKEL

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUL 16 1951
LANDON F. STUCKEL
Executive Secretary

Addendum - Exhibit "D"

The following wage rates omitted from Contract No. ~~I-DMA-E1,~~ Exhibit "D" shall be considered a lawful retroactive addition to the subject contract.

Class	Maximum wage rate Per 8-hour shift
Surface labor	$11.00
Bookkeeper	11.20
Clerk	11.00

This addendum herewith is accepted by the authorized official of Mines Management, Inc., and the United States of America.

By _____
Signature of authorized official

THE UNITED STATES OF AMERICA

July 19, 1951
(Date)

By _____
Administrator, Defense Minerals Administration

Cont. Serv. Sec.
Change Order
Noted
Reviewed

JUL 24 1951
CONTRACT SERVICES

Form 109a **MINES MANAGEMENT, INC.**

Idm-E-1
~~I-DMA-E1~~

DATE 19		QUANTITY OR PERIOD	EARNED	DEDUCTED		PAID OR COLLECTED	SUSPENDED OR DIS.	VOUCHER	MONTH 19	DISBURSING OFFICER
		Comptroller General's Decision B 45106, dated 6/27/51, changes contract symbol								
		(Ent. 7/6/51 bta)								
	Supplement No. _____, dated 7-19-51 Attached 8-13-51 S.M.L.									

DATE 19		QUANTITY OR PERIOD	EARNED	DEDUCTED		PAID OR COLLECTED	SUSPENDED OR DIS.	VOUCHER	MONTH 19	DISBURSING OFFICER

U. S. GOVERNMENT PRINTING OFFICE 16—40567-1