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

March 11, 1965

REGISTERED MAIL
RETURN RECEIPT REQUESTED

Re: DMEA-2123 (Lead-Zinc)
Pacific Northwest Mining Co.
Lucille Mine
Stevens County, Washington
Amended Contract Idm-E228

Mr. Frank Nettig
P. O. Box 343
Palm Harbor, Florida

Dear Sir:

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

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

Sincerely yours,

George C. Selfridge

George C. Selfridge, Chief
Division of Exploration Operations

OFFICIAL COPY
O. M. E.
RECEIVED
APR 2 1965

INITIALS	CODE
ama	800
	~~100~~
	~~110~~
	120
	~~120~~

MME Form 63
Revised 3-62

DMEA-2123
Idm-E228

REQUEST FOR INFORMATION ON CERTIFIED PROJECT AND PROJECT UNDER ROYALTY AGREEMENT

From November 1963 to December 14, 1964

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

From November 1963 to December 14, 1964

2. ~~XXXX~~ , has there been any production from the land subject to the contract? Yes ☐ No ☒

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

	Quantity	Value

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

Type	Quantity		Estimated Grade	Location
Ore Concentrates	3 drums	Tons	20-25% Zn	Admiral Mill
		Tons		
Other		Tons		

Have the 3 tons of zinc concentrates that were stockpiled at the pit been sold? Yes ☐ No ☒

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

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

Disposition of Material	Quantity	Value
Shipment of material would result in loss to shipper as it is unacceptable to smelter.		

Submitted by:

Name Frank J. Nettig
Address Route 1, Box 382, Durango, Col. 81301

Title Partner
Date March 30, 1965

4511

Docket

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

JUN 11 1962

Re: DMEA-2123 (Lead-Zinc)
Pacific Northwest Mining Company
Lucille Mine
Stevens County, Washington
Amended Contract Idm-E228

Pacific Northwest Mining Company
619 Fourth Street
Bremerton, Washington

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

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

Sincerely yours,

W. R. Griswold, Chief
Division of Minerals

See memo to R-I prepared 8/16/64

MME Form 63
Revised 3-62

REQUEST FOR INFORMATION ON CERTIFIED PROJECT AND PROJECT UNDER ROYALTY AGREEMENT

1. Since September 8, 1959, has there been a change in ownership, lease, or sublease? If yes, please state details of the transaction below and provide a true or signed copy of the pertinent documents, unless they have been provided before. Yes ☐ No ☐

2. Since September 8, 1959, has there been any production from the land subject to the contract? Yes ☐ No ☐

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

	Quantity	Value
_____		
_____	_____	_____

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

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

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

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

Disposition of Material	Quantity	Value
_____	_____	_____

Submitted by:

Name _____ Title _____

Address _____ Date _____

4511

OFFICIAL FILE COPY
O. M. E.
RECEIVED FEB 2 1959

DATE	INITIALS	CODE
2-2	C	220
"	[illegible]	110
"	[illegible]	800
2-4	[illegible]	500

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

SEMI-ANNUAL REPORT OF CERTIFIED PROJECT

Reporting period: July 1 to December 31, 1958

Date of report: January 8, 1959

Operator: Pacific Northwest Mining Co., 619 Fourth St., Bremerton, Wash.

Mine name: Lucile

County and State: Stevens County, Washington

Docket number and commodity: DMEA-2123 (lead-zinc)

Contract number: Idm-E228

Date of contract: December 14, 1951

Date of certification: September 24, 1955 (per Annex II of amended contract)

Expiration date of royalty payments: December 14, 1964

Total amount of contract:	$29,210.00
Total expenditures under contract:	26,346.97
Amount of Government participation @ 50%:	13,173.49
Royalty payments this period:	$37.05
Previous royalty payments:	13.89
Total royalty payments to date:	50.94
Percent Government participation repaid:	0.4%

Royalty due on production to date: none

Royalty remarks: It is reported there are about 3 tons of zinc concentrates stockpiled. Because there is a penalty on small lots sold and transportation charge on small load would be high it is doubtful the 3-ton lot will be sold until more is available for sale. The mine is presently idle.

Semi-annual royalty report
Contract No. Idm-E228
Page 2

	Tons	Analysis
Original estimate of DMEA reserves (from Field Team final report) Mines ____ Survey ____ Joint __x__	9,900	4.3 oz. Ag/ton 5.2% Pb 7.2% Zn
Revised estimate of DMEA reserves (Field Team) Mines___ Survey___ Joint ___	none	
Increase of reserves by work performed subsequent to DMEA project work:	none	

Production of DMEA ore (this period): (from an estimated 33 tons mined)

		Tons	Lbs/Pb	Lbs/Zn	Oz/Ag
Pb concentrates		4.8930	6145	1115	200.61
Zn "	stockpiled	3.0000	(est.) --	--	--
Crude (sorted)	(previous):	3.2915	2594	625	88.21
	(to date):	11.1845	8739	1740	288.82

Production of Operator's ore found subsequent to DMEA work

(this period):	none
(previous):	none
(to date):	none

Percent of revised reserves mined: none

Production remarks: none

Signed: E. G. Erickson (Engineer)

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

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

500

August 4, 1958

MEMORANDUM

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

From: Director, Division of Base Metals

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

The following projects were inactive during the cited period.

Docket No.	Contract No.	Name
DMEA-3112	Idm-E651	Centrida Mines, Inc.
DMEA-432	Idm-E1	Mines Management, Inc.
DMEA-81	Idm-E18	United Minerals Corporation
DMEA-1366	Idm-E76	American Zinc, Lead & Smelting Co.
DMEA-390	Idm-E63	Highland-Surprise Cons. Mining Co.
DMEA-125	Idm-E81	Bennett Mining Company
DMEA-981	Idm-E88	Idaho Mining Company
DMEA-525	Idm-E137	Spokane Mining Syndicate
DMEA-1877	Idm-E195	William Mulcahy
DMEA-652	Idm-E177	South Mt. Mining & Concentrating Co.
DMEA-1596	Idm-E184	Nabob Silver-Lead Company

DMEA-2166	Idm-E208	Farmer Mine Enterprises
DMEA-1959	Idm-E223	Wylie M. Gardner and L. R. Vance
DMEA-2123	Idm-E228	Pacific Northwest Mining Company
DMEA-1831	Idm-E242	William Soren
DMEA-1175	Idm-E251	Amador Mining Company (assignee of Kootenay Copper Mines)
DMEA-1894	Idm-E266	Bushman, Breeden and Nordan
DMEA-2213	Idm-E294	Elmer Enderlin
DMEA-2388	Idm-E301	American Zinc, Lead & Smelting Co.
DMEA-2269	Idm-E308	Mines Management, Inc.
DMEA-2420	Idm-E380	Hypothesis Mining and Milling Co.
DMEA-2237	Idm-E421	Signal Mining Company
DMEA-2637	Idm-E475	Galesonda Lead Mines
DMEA-2862	Idm-E482	Spokane-Idaho Mining Co.
DMEA-2612	Idm-E489	Grammre Company (assignee of Index Mining Company)
DMEA-2929	Idm-E587	Grandview Mines
DMEA-3142	Idm-E644	Moses Sound Company
DMEA-3288	Idm-E667	Alaska Copper Mines, Inc.
DMEA-3644	Idm-E819	Highland-Surprise Cons. Mining Co.

W. E. Grimwold

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

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code

January 30, 1958

Memorandum

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

From: Director, Division of Base Metals

Subject: Semi-annual reports on certified projects
Period - July 1 thru December 31, 1957

The following projects have been inactive throughout the reporting period:

DMEA No.	Contract No.	Name of Operator
2260	Idm-E246(amended)	Pohl and Hogan
2123	Idm-E228	Pacific Northwest Mining Co.
1175	Idm-E251	Amador Mining Company (assignee of Kootenay Copper Mines)
1877	Idm-E155	William Malcahy
2420	Idm-E380	Hypothesis Mining & Milling Company
2166	Idm-E208	Farmer Mine Enterprises
1959	Idm-E223	Fairway Uranium Corporation
3142	Idm-E644	Howe Sound Company

Please note that the property covered by DMEA-3142 has been abandoned and the mill and all structures removed, and the mine allowed to fill with water. It is most unlikely that this property will ever again be operated.

W. R. Griswold

WRGriswold:ms 1/30/58
Copies: Dockets as above
chron

8623

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

1201 N. Division St.
Spokane 2, Washington

January 22, 1958

DATE		
2/10	C	220
11		100
"		110
2/11		800
2/12		500

MEMORANDUM

To: DMEA Field Team, Region I

From: G. G. Waddell, Mining Engineer, U. S. Bureau of Mines

Subject: Final inspection report, Docket No. DMEA-2123 (Lead-zinc), Pacific Northwest Mining Company, Lucile Mine, Stevens County, Washington, Contract No. Idm-E228

The last inspection of the Lucile mine was made on June 25, 1957, by the author. No DMEA work has been performed since July 1956. However, the Operator is reported to have drilled some long holes on his own account during 1957.

The contract was terminated by mutual agreement, effective October 1, 1956. A pseudo-certification is incorporated in Article 3, Annex II, of the amended contract.

The requirement of a final report as described in Article 6(c) of the contract was waived by the Field Team on January 21, 1958, as authorized by the Operating Committee.

The status of the contract is as follows:

Date of original contract: December 14, 1951
Date of amended contract: September 24, 1955
Effective date of termination: October 1, 1956
Contract amount: $29,210.00
Amount spent: 26,346.97 (subject to audit)

Stage I

Work completed under Stage I was a separate actual cost contract. The work was performed between December 14, 1951 and August 1, 1953. An audit was made on Stage I work on September 7, 1955.

The work consisted of the following:

	Authorized	Completed	Audit Acceptance
Rehabilitation	$500.00	$701.62 +	$479.44
Improvements (lay 900' pipe)	$400.00 (900')	900 ft.	$464.92
500 ft. road by bulldozing	8 hrs.		29 hrs.
Stripping " "	100 hrs.		80 hrs.
Crosscutting	375 ft.	480 ft.	447 ft.
Drift	250 ft.	0	0
Stage II			
Drifts and crosscutting	300 ft.	276.7 ft.	
Consultant geologist (Amend. #2)	5 days	0	
Long hole drilling (Amend. #2)	250 ft.	223 ft.	
Sample assays for Ag, Pb, Zn	80 samples	0	
Stage III			
Raising	100 ft.	51 ft.	

The Government holds no equity in equipment used on the project.

G. G. Waddell

Distribution:
DMEA (4)
USGS (2)
USBM (AD)
Docket
Waddell
Turner

OFFICIAL FILE COPY
DMEA
RECEIVED JAN 27 1958

DATE	INITIAL	CODE
1/28	C	220
1/28	Com	100

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

SEMI-ANNUAL REPORT OF CERTIFIED PROJECT

Reporting period: July 1 to December 31, 1957

Date of report: December 20, 1957

Operator: Pacific Northwest Mining Company
619 Fourth Street
Bremerton, Washington

Mine name: Lucile

County and State: Stevens County, Washington

Docket number and commodity: DMEA-2123 (lead-zinc) G

Contract number: Idm-E228

Date of contract: December 14, 1951

Date of certification: September 24, 1955 (per Annex II of amended contract)

Expiration date of royalty payments: December 14, 1964

Total amount of contract: $29,210.00

Total expenditures under contract: $26,346.97 (subject to audit)

Amount of Government participation at 50%: $13,173.49 (subject to audit)

Royalty payments this period: none

Previous royalty payments: $13.89

Total royalty payments to date: $13.89

Percent Government participation repaid: nil

Royalty due on production to date: none

Royalty remarks: none

	Tons	Analysis
Original estimate of DMEA reserves (from Field Team final report) Mines ____ Survey____ Joint ____	Final report in preparation.	
Revised estimate of DMEA reserves (Field Team) Mines ____ Survey ___ Joint ____		
Increase of reserves by work performed subsequent to DMEA project work		
Production of DMEA ore (this period)	none	
(previous)	33 tons est.	
(to date)	33 tons est.	
Production of Operator's ore found subsequent to DMEA work (this period)	none	
(previous)	none	
(to date)	none	
Percent of revised reserves mined	____	

Production remarks: Property inactive.

Signed: Galen G. Waddell (Engineer)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

1201 N. Division St.
Spokane 2, Washington

June 27, 1957

OFFICIAL FILE COPY
DMEA
RECEIVED AUG 1 1957

DATE	INITIALS	CODE
8/1	C	220
	CGW	100
8/2	~~ARY~~	500

MEMORANDUM

To: DMEA Field Team, Region I, Northwest District

From: G. G. Waddell, Mining Engineer, Bureau of Mines

Subject: Interim inspection, Docket No. DMEA-2123 (lead-zinc), Pacific Northwest Mining Company, Lucile Mine, Stevens County, Washington, Contract No. Idm-E228

The Lucile mine was inspected on July 25, 1957. Mr. Robert Rukke, secretary of the company, was contacted in Northport, Washington. There was no one at the property and no work had been performed at the mine this year. The equipment and the mine apparently suffered no ill effects from the winter shutdown.

In an interview with Mr. Rukke, he stated his intentions to continue with the DMEA contract after he made a shipment of ore to obtain enough money to finance the project. The only broken ore at the mine was a small pile of hand-picked ore in front of the adit.

The only shipment to date is the 3.29 tons sent to Bunker Hill on July 25, 1956 for which a DMEA royalty of $13.89 was received.

The status of the contract is:

Date of contract: December 14, 1951
Termination date: August 15, 1957
Amount of contract: $29,210.00
Amount spent: 26,346.97 (thru August 1956)

Stage II	Authorized	Completed
Drifts and crosscuts	300 ft.	276.7 ft.
Consultant-geologist	5 days	0
Long hole drilling	250 ft.	223 ft.
Sample assays	80	0

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

G. G. Waddell

file

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

RECEIVED
JAN 9 1956

SEMI-ANNUAL REPORT OF CERTIFIED PROJECT

Period: July 1, 1955 to December 31, 1955

Docket No.: DMEA-2123
Contract No.: Idm-E228

Operator: Pacific Northwest Mining Co., 415 So. Cambrian Ave., Bremerton, Washington

Commodity: Lead-zinc

Mine name: Lucile

County: Stevens
State: Washington

Date of contract: December 14, 1951
Amended: September 24, 1955

Date of certification: September 24, 1955 (see Annex II of Amended Contract)

Expiration date of royalty payments: December 14, 1963

Date of examination for this report: November 22, 1955

Total amount of contract: $29,210.00

Total expenditures under contract: $18,486.47 *

Amount of Government participation at 50%: $ 9,243.23 *

*Contract is active and amounts are subject to change.

Royalty payments this period: none

Previous royalty payments: none

Total royalty payments to date: none

% Loan repayment completed: none

Amount of royalty due: none

Royalty remarks:

Original estimate of reserves
(from final Engr.-Geol. Report): Project active; no estimate made.

Increase (or decrease) of reserves
by work performed subsequent to
expiration or termination of
contract:

Revised estimate of reserves:

Production this period (ore or concentrates): none

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

Total DMEA production to date: none

% of revised reserves mined:

Production remarks:

Less than 50 tons of development ore has been piled separately from barren rock but none has been sold.

Other remarks: (Investments, etc.)

Signed: M. R. Lickes (Engr.)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
~~WASHINGTON 25, D.C.~~
So. 157 Howard Street
Spokane 4, Washington

RECEIVED
OCT - 8 1956

October 3, 1956

MEMORANDUM

To: DMEA Field Team, Region I, Northwest District

From: Donald F. Kellum, Geologist, U. S. Geological Survey

Subject: Interim inspection report, Docket No. DMEA-2123 (Lead-Zinc), Pacific Northwest Mining Company, Lucile Mine, Stevens County, Washington, Contract No. Idm-E228 (Amended).

On Thursday, September 6, 1956, M. R. Lickes, Mining Engineer, Bureau of Mines, and I made an interim inspection of accomplishments at the Lucile mine. Mr. Rukke, vice president, and others accompanied us to the property. No work was being done because the compressor lacked fan belts.

The advance completed since the last inspection was mapped, (fig. 1); this includes a short drift east in mineralized limestone, from the south drift, and a raise started from this drift east.

The bearing and inclination suggested for the raise, and laid out by the USBM in July was N. 85° E. up approximately 35°. This would direct the raise parallel to and about 20 feet below a flexure in the phyllite contact beneath which the No. 1 ore body in the upper workings, and ore in the DMEA south drift is localized (fig. 2). In this position the raise should intersect a number of ore stringers which roll downward from the contact into the limestone.

On August 21, after finishing 25 feet of raise, the Operator phoned the Spokane office to request that the raise be steepened in order that mucking would be easier. To help this situation, authorization was given to steepen the raise to not more than 40°. Any greater steepening would probably intersect the contact before the allowed 100 feet of raising could be completed. It was also suggested that the bearing of the raise be corrected to N. 85° E. as the Operator had veered northerly from the desired direction.

On this interim inspection it was found that the raise had been advanced, in a roundabout way, approximately 51 feet. The lower 35 feet of the raise had a bearing of N. 75° E., the remaining

portion had been pulled considerably to the right and trended about S. 56° E. An attempt to sluice muck out of the raise was notably unsuccessful and succeeded only in covering all but the last 10 feet of raise walls with a heavy coat of sludge. Several feet of broken rock still remain along the raise sill. It was suggested to Mr. Rukke that the raise be straightened by dropping back several rounds and continuing on the correct bearing.

Lead-zinc replacement occurs along the contact and as ore-rolls that dip southward from the contact into the limestone. Most of the ore-grade material has occurred within 20 feet of the contact north of an east-striking dike, and a large part of the Operator's 6-7 ton shipment of hand picked ore came from near the intersection of the south and east drifts. Sub-ore grade concentrations of lead-zinc minerals occur in several narrow zones at and south of the dike intersected by the east and south drifts and the raise. Nothing definite could be determined concerning either the attitude of quantity of ore intersected north of the dike in the lower part of the raise because of the condition of the walls.

Enclosures 2

Distribution:
DMEA (Orig. & 3)
USBM (2)
USBM (AD)
Docket
Kellum

DOCKET NO. DMEA 2123

RECEIVED
OCT - 8 1956

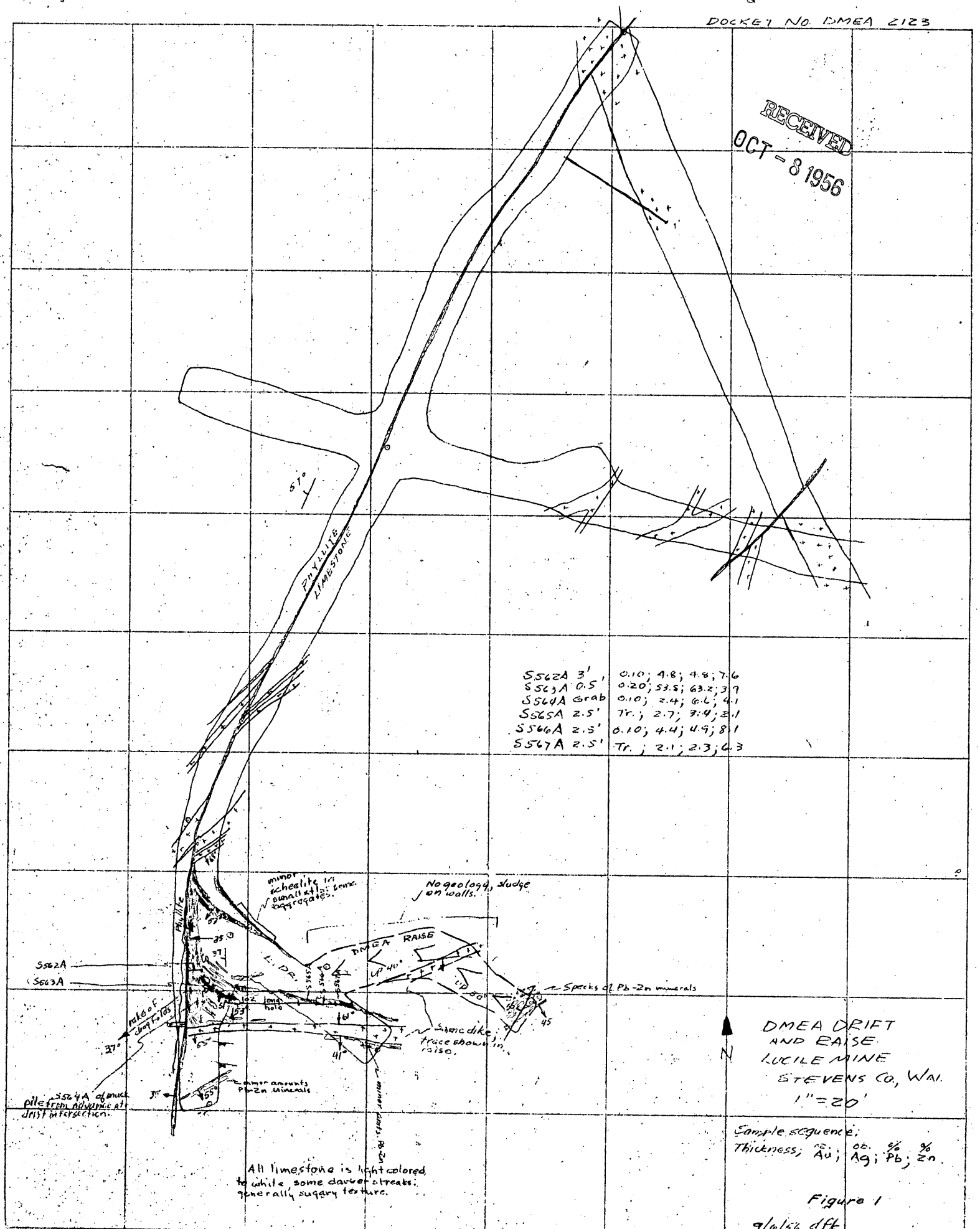


Figure 1

9/6/56 dft

"ALBANENE" NO. 185M K&E CO., N.Y.
REG. U.S. PAT. OFF

DOCKET NO. DMEA 2123

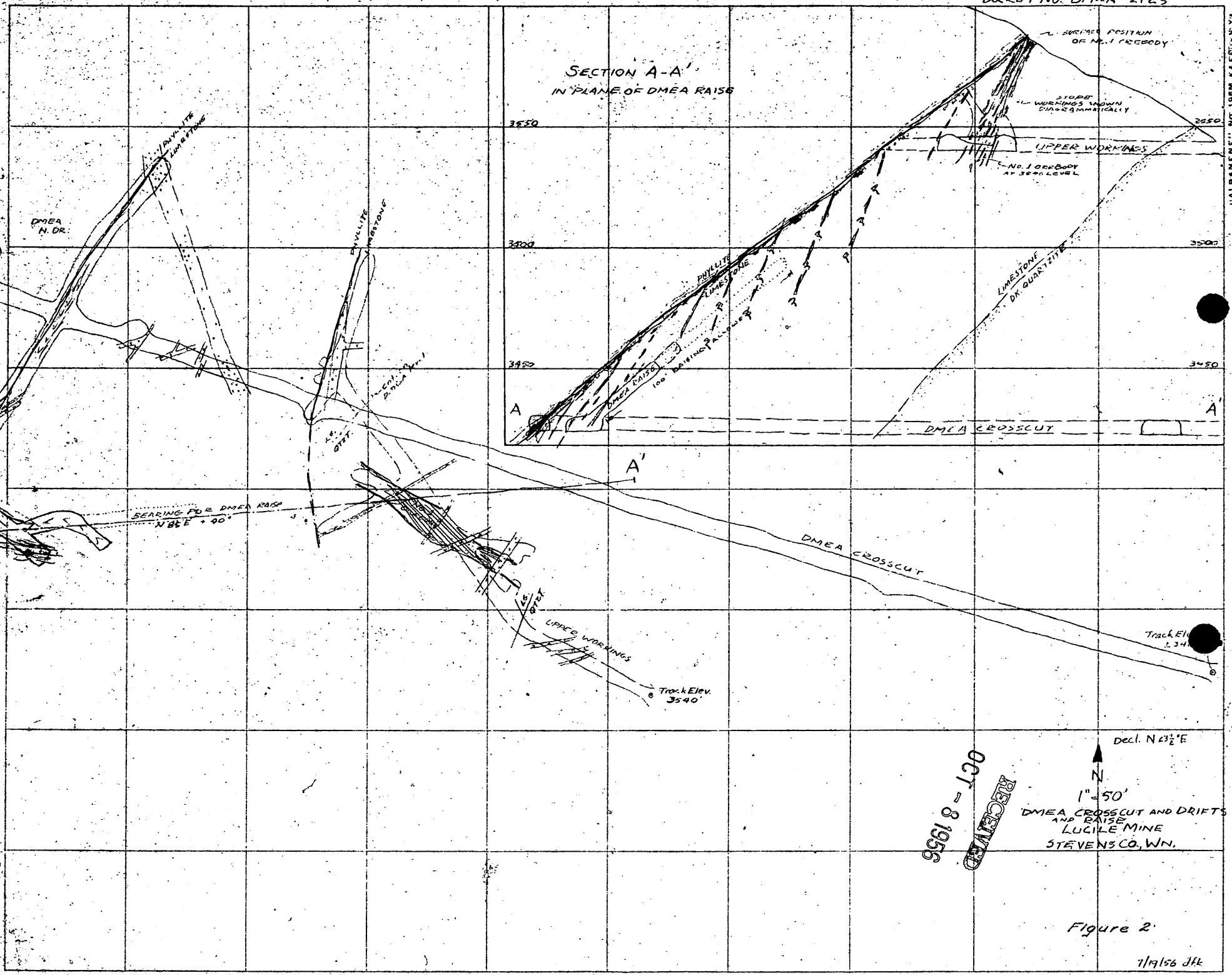


Figure 2

7/19/56 JFK

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

~~WASHINGTON 25, D.C.~~

1201 N. Division St.
Spokane 2, Washington
September 10, 1956

RECEIVED
SEP 21 1956

MEMORANDUM

To: DMEA Field Team, Region I, Northwest District

From: M. R. Lickes, Mining Engineer, Bureau of Mines

Subject: Interim inspection, Docket No. DMEA-2123 (lead-zinc), Pacific Northwest Mining Co., Stevens County, Washington, Contract No. Idm-E228

The Lucile mine was visited on September 6, 1956, accompanied by Donald F. Kellum, geologist, U. S. Geological Survey. Mr. Robert Rukke, secretary of the company, and Mr. Wm. Koski, drift contractor, were contacted in Northport, Washington, and Mr. Rukke accompanied us on an inspection of the mine.

The company had renewed the contractor's footage allowance for an additional 25 feet of raise and 6 rounds had been advanced since the previous inspection for a total of 51 feet of raise. No further drifting or crosscutting has been done. The mine was again inactive awaiting a further renewal of Mr. Koski's contract.

The raise from the east drift had been steepened and pulled to the east in excess of what was intended. The last round was at $\angle 56^\circ$ or following the dip of the bedding. The Operator was advised to slab the west side of the raise beginning 3 rounds back and continue the raise on that bearing and in no case to drive it steeper than the bedding. Mineralization in the west side of the raise at the face showed an increase in the proportion of zinc over lead than at the drift level.

Assay results of a grab sample of muck from the raise taken near the present face will be reported when received.

The present status of the contract is:

	Authorized	Completed	Remaining
Stage I			
Drift and crosscut	480 ft.	480 ft.	none
Stage II			
Drift and crosscut	300 ft.	276.7 ft.	23.3 ft.
Longhole	250 ft.	225 ft.	25 ft.
Stage III			
Raise	100 ft.	51 ft.	49 ft.

Contract date: Original contract: 12/14/51
Amended " : 9/24/55
Expiration date : 3/15/57

Amount of contract: $29,210.00
" spent: 25,436.97 (end of July)

M. R. Lickes
M. R. Lickes

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

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

Budget Bureau No. 42-R1036.5

RECEIVED
SEP 24 1956

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

Month of August 1956 Docket No. DMEA 2123 Contract No. I-Sa-2228
Operator's Name Pacific Northwest Mining Company Minerals Zinc
Address 415 So. Cambrian Ave., Bremerton, Washington
Contract Amount, $9,210.00 Government Participation: 50 % Amount, $ 14,605.00

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling Long Holes		223.00	223.00	10/4/56	223.00	223.00
Bulldozing		1,647.75	1,647.75		1647.75	1647.75
Crosscutting		7,345.00	7,345.00		7345.00	7345.00
Drifting		747.50	1,657.50		747.50	1657.50
Raising	910.00			910.00		
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify): Work Completed Under Stage I		15,473.72	15,473.72		15473.72	15473.72
TOTALS	910.00	25,436.97	26,346.97	910.00	25436.97	26346.97

I certify that the above bill is correct and just and that payment therefor has not been received.
Date Sept. 12, 1956 *Payee Pacific Northwest Mining Company
Per R. R. Walker Title Sec'y-Treas.

*When a voucher is signed or receipted in the name of a company or corporation, the name of the person writing the company or corporate name, as well as the capacity in which he signs, must appear. For example: "John Doe Company, per John Smith, Secretary," or "Treasurer," as the case may be.

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

(Instructions on reverse)

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

$ 455.00

Signature M. D. P.
(Authorized Certifying Officer)

Date 9-18-56 Vou. No. 1871
(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. E228 in accordance with the terms of the contract.

Signature /S/ M. R. Ricker Title Mining Engr Date 9/13/56

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature /S/ A. E. Weissenborn Title Executive Officer Date 9/17/56

MONTHLY REPORT OF OPERATOR

The Operator (Contractor) of an exploration project is required to make a monthly report to the Government through the Regional Executive Officer. This report consists of three parts as follows:

(a) *Form MF-104—Operator's Monthly Report and Voucher.*—This form details expenditures and constitutes a voucher for reimbursing the Operator for the Government's share of costs;

(b) *Form MF-104A—Operator's Unit Cost and Progress Report.*—This is a statistical report of expenditures which shows costs for the various types of operation; and

(c) *Narrative.*—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered must be furnished as an attachment to this Report and Voucher. Wherever possible, the narrative is to be illustrated with maps or sketches showing formations penetrated and location and assays of samples taken as well as advances in workings. In the case of diamond drilling or churn drilling, the location and inclination of holes is to be shown on a map; logs and assays also are to be submitted.

The Monthly Report of Operator should be prepared in an original and four copies all of which must be sent to the Executive Officer of the Region not later than the 15th of the month following.

Preparation of Form MF-104—Operator's Monthly Report and Voucher.—All the applicable spaces in Form MF-104 should be filled in by the Operator, and the Operator or his agent should sign the certification in the lower left corner of the form.

The items of costs are arranged in the order they appear in Article 6 (a) of Form MF-200 (Revised February 1952), however, this form is readily adaptable for use in reporting activities under other contract forms.

Under Item (1) delete words "Short Form" if the contract is a sub-contract under Form MF-200; and delete word "Independent" if the contract reported is on Form MF-200 (A). Also, report work paid for on a unit basis under contract Form MF-200 as though it were performed under an independent contract.

Under Item (2) include labor, supervision and technical services incurred for the exploratory operations. Do not include labor, supervision and technical services used for work performed under items (5) and (6).

Under Item (3) include the costs of material and supplies used in the project other than that used under items (5) and (6).

Under Item (4) appear the three types of operating equipment expenditures, that is, rental, purchase and depreciation. The expenditures made for renting equipment belonging to a third party will be reported under "Rental". The amount paid or duly obligated for payment for the purchase of equipment will be reported under "Purchase". The amount of expenditures due the Operator to reimburse him for depreciation of equipment owned will be reported under "Depreciation".

Item (5) comprises costs of labor, supervision, technical services, materials, etc., which are used in the initial rehabilitation and repair of existing buildings, installations, fixtures, and equipment. These costs, therefore, should not be reported under items (2) and (3).

Item (6) includes the labor, supervision, technical services, materials, etc., used in the installation or construction of new buildings, fixed improvements, etc., necessary for the project. These costs, therefore, should not be reported under items (2) and (3).

Item (7) covers miscellaneous types of expenditure such as payroll taxes, liability insurance, workmen's compensation insurance, repairs to equipment and sampling and analysis. Only that part of payroll taxes, liability insurance and workmen's compensation which are paid by the operator should be reported under item (7). The share paid by the employee as a payroll deduction is to be included under item (2) as labor costs.

Item (8) includes any unforeseen costs not included in the other seven categories.

The original of Form MF-104 when submitted for reimbursable expenses incurred under contract Form MF-200 must be supported by original documentation or by certified copies of purchase orders, payrolls or transcripts of payrolls, unless such documentation has been waived by the Regional Executive Officer. This certification may be stated thus, "Certified True Copy (or Transcript)", followed by appropriate signature. If the Executive Officer of the Region determines that a contract under Form MF-200 should have an "on-site" audit, that is, a Government auditor should make an audit of the Operator's books and records of account, the Operator need not support his monthly voucher with original or certified documents except in cases of equipment purchases whose individual costs exceed $50.00. In these cases the original or a certified copy of the purchase order or invoice should be attached to the Monthly Voucher. N. B.—Only the *original* of Form MF-104 is required to be documented. The four copies of Form MF-104 are not to be thus supported.

Form MF-104 submitted for reimbursement under fixed price contracts on Form MF-200 (A), however, are not required to be supported by documentation of any kind. The Operator will submit his claim under item (1) of Form MF-104 by deleting as stated above the word "Independent" and by showing the number of feet or other units immediately after the appropriate descriptive word, such as, drilling, bulldozing, crosscutting, drifting, etc., and giving the "Monthly Total" amount due. "Totals Previously Reported", and "Totals to Date" columns should also be filled in.

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

RECEIVED
SEP 24 1956

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of August 1956 Docket No. DMEA 2123 Contract No. Ida-5228
Operator's Name Pacific Northwest Mining Company Minerals Lead-Zinc
Address 415 So. Cambrian Ave., Bremerton, Washington

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT	
							Units	Unit Costs
Drifting				7,345.00	226.0	32.50		
Crosscutting				1,647.75	50.7	32.50	300	32.50
Raising		910.00	28	1,657.50	51.0	32.50	100	32.50
Shafts								
Winzes								
Drilling: ~~Core~~ Long Holes				223.00	223.0	1.00	250	1.00
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		910.00		10,873.25				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc. Cost Under Stage I				15,473.72				
TOTAL COSTS		910.00		26,346.97				29,210.00

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

Date Sept. 12, 1956 Operator Pacific Northwest Mining Co.

Per R. E. Walker Title Secty-Treas.

REMARKS:

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

(Instructions on reverse)

(For Government use only)

/s/ M. R. Ricks

INSTRUCTIONS

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

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

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

GPO 872894

RECEIVED
SEP 24 1956

Bremerton, Washington
September 12, 1956

U. S. Department of the Interior
Defense Minerals Exploration Administration
1201 N. Division Street
Spokane 2, Washington

Re: Docket No. DMEA-2123
Contract No. Idm-2228
Monthly operating reports

Gentlemen:

During the month of August, the raise was extended twenty-eight feet. The total footage of the raise is now fifty-one feet.

It is reported that the ore showing in the raise is of low grade but would probably make a mill feed. Several dikes have been encountered through out the raise.

Work was curtailed due to the breaking of the fan belts on the compressor motor and replacement belts were not available.

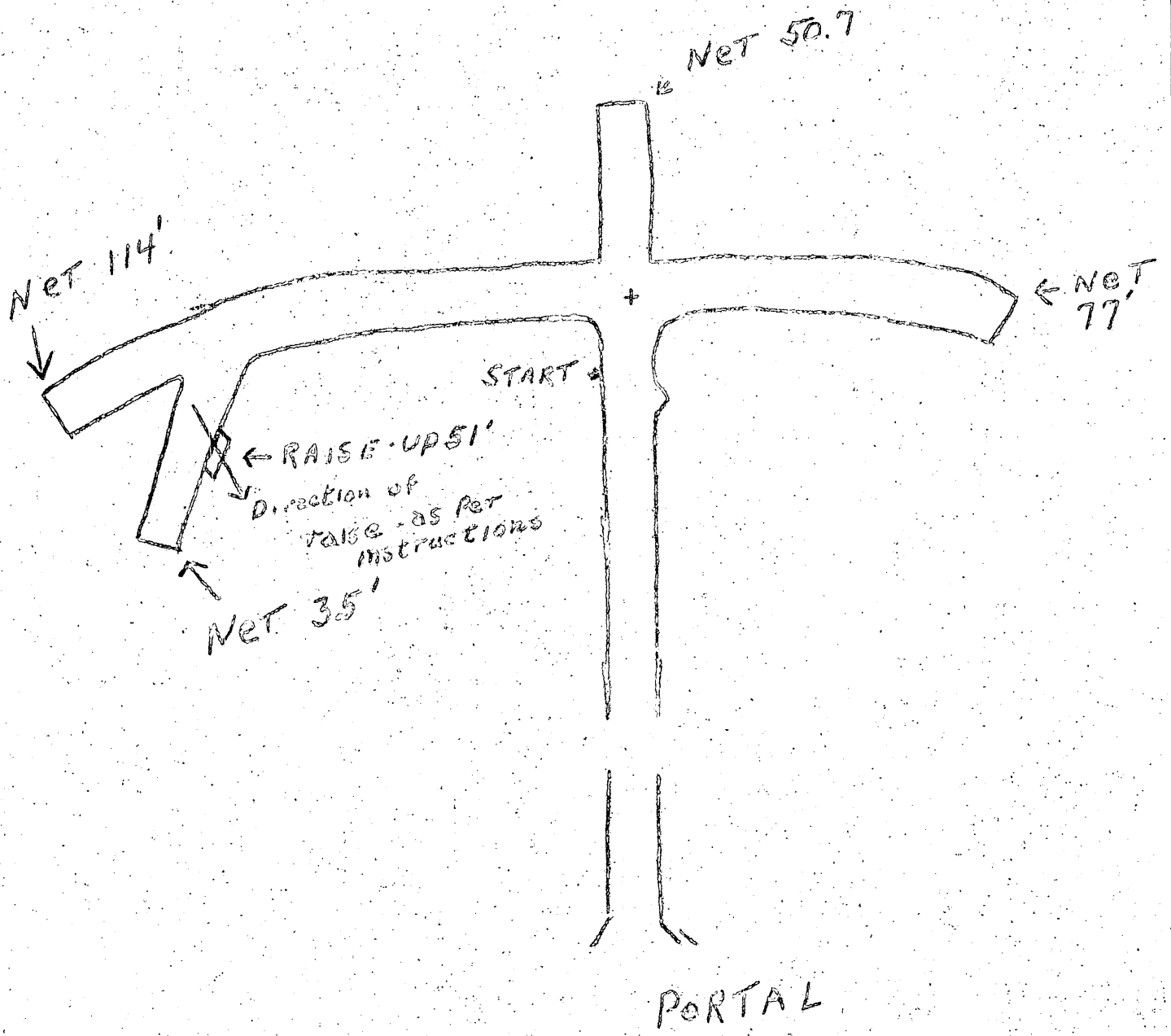
Very truly yours,

Pacific Northwest Mining Company

P. R. Walker

P. R. Walker
Sec'y-Treas.

Rough map showing present tunnel directions and distances on LUCILLE MINE



xxxxxxxxxxxxxxxxxx
1201 N. Division St.
Spokane 2, Washington

Treasurer
~~Registered~~
Bty

August 21, 1956

Pacific Northwest Mining Co.
415 So. Cambrian Ave.,
Bremerton, Washington

Re: Docket No. DMEA 2123
Contract No. Idm-R298
Monthly operating report
for July 1956

Gentlemen:

The attached copy of a memorandum to the Field Team from the Certifying Officer explains the deletion made from the amount claimed for raising in the subject voucher.

By Field Team, Region I, NW Dist.

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

cc: DMEA (2)
USGS (2)
AD

Thomas E. Howard, Acting Member
U. S. Bureau of Mines

DMEA Field Team, Region I, NW Dist. August 21, 1956

Certifying Officer, Region I

Contract Idu-2228, Pacific Northwest Mining Co.
Monthly operating report for July 1956.

The subject operating report has been received and processed for payment.

The footage claimed by the Operator for raise during the reporting period is 4 feet in excess of the measurement reported by the examining engineer. Therefore, a disallowance of $130.00 has been made from the costs claimed by the Operator to cover this item.

Myrtle Purdy

cc: Operator

DMEA (2)
USGS (2)

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

~~WASHINGTON 25, D.C.~~

1201 N. Division St.
Spokane 2, Washington
August 10, 1956

RECEIVED
SEP 21 1956

MEMORANDUM

To: DMEA Field Team, Region I, Northwest District

From: M. R. Lickes, Mining Engineer, Bureau of Mines

Subject: Interim inspection, Docket No. DMEA-2123 (lead-zinc), Pacific Northwest Mining Co., Stevens County, Washington, Contract No. Idm-E228

The Lucile mine was visited on August 8, 1956. No one was at the mine at the time of the inspection. Mr. Robert Rukke was contacted in Northport.

The raise spotted at the time of the last inspection had been advanced 23 feet. It was being driven at an angle of 32-33° as set, but the flatness of the angle made mucking a problem. A small 2-drum slusher that is available probably will be installed when the raise is advanced further. It was deemed advisable to start the raise in a more northerly direction than staked, and turn it to the east. It has been turned some from the direction of the first rounds, to approximately N. 77° E. The Operator was advised to turn further to the east in subsequent rounds.

Two long-holes from the east drift, authorized at the time of the last inspection, had been completed. The Operator reported that an 8-foot hole drilled southeasterly from the south corner of the east drift face had penetrated 2 inches of high-grade ore in the first foot of drilling, then 2 feet of only minor mineralization, then another 2 inches of high grade material. The remainder of this hole and all of a 10-foot hole drilled south from the south wall of the east drift, 10 feet back from the face, showed only traces of mineralization. He was advised to advance the east drift one round further and to spend the remaining drift footage in extending the north drift past the dike in the face.

Mr. Rukke advised that the contract between Pacific Northwest Mining Co. and the Koski Development Co., who have been doing the work at the mine, has been completed and that further work by the latter will depend upon renewal of the contract with the company. Mr. Koski was not available because he had gone to the mine (he would have arrived after I left) to complete picking up around the mine to prepare for the

possibility that their contract would not be renewed for further work. Doors have been mounted at the adit portal but were open at the time of the inspection.

Mr. Rukke talked about plans, that were evidently rather indefinite, for "a deal" with another mining company for joint development and exploitation of the mine. Goldfield Development Co., whose Sierra mill is in the same district, is reported to be threatened with forced closing of the mine because of a smelter contract that specifies that a percentage of the concentrates shipped by them must be lead whereas their mine produces less than the specified amount. It seems that a mutually advantageous agreement could be made with Goldfield, but Mr. Rukke discussed other possibilities. One was to build a mill jointly with Thomas Consolidated at the foot of the mountain on land controlled by a friend whom he thought would make it available to them. About 200-250 tons of milling ore have been separated from the waste and piled separately on the hillside below the adit portal.

Mr. Rukke further stated that the raise shows about 18 inches of material containing tungsten; tungsten was visible in the ore at the juncture of the south and east drifts.

M. R. Lickes

M. R. Lickes

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

Form DF-194 (Rev.)
(April 1952)

Budget Bureau No. 42-R1036.5

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

Month of July, 1956 Docket No. DMEA 2123 Contract No. Idm-E228
Operator's Name Pacific Northwest Mining Company Minerals Lead-Zinc
Address 415 So. Cambrian Ave., Bremerton, Washington
Contract Amount, $ 29,210.00 Government Participation: 50 % Amount, $ 14,605.00

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:				10/4/56. WPK.		
Drilling Long Holes	16.00	207.00	223.00	16.00	207.00	223.00
Bulldozing						
Crosscutting		1,647.75	1,647.75		1647.75	1647.75
Drifting	975.00	6,370.00	7,345.00	975.00	6370.00	7345.00
Raising	877.50	-	877.50	747.50	-0-	747.50
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify): Work Completed Under Stage I		15,473.72	15,473.72		15473.72	15473.72
TOTALS	1,868.50	23,698.47	25,566.97	1738.50	23698.47	25436.97

I certify that the above bill is correct and just and that payment therefor has not been received.
Date August 14, 1956 *Payee Pacific Northwest Mining Company
Per R. L. Walker Title Sec'y-Treas.

*When a voucher is signed or receipted in the name of a company or corporation, the name of the person writing the company or corporate name, as well as the capacity in which he signs, must appear. For example: "John Doe Company, per John Smith, Secretary," or "Treasurer," as the case may be.

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

(Instructions on reverse)

RECEIVED
AUG 27 1956

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

$ 869.25

Signature M. P.
(Authorized Certifying Officer)

Date 8-20-56 Vou. No. 1839
(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. 6228 in accordance with the terms of the contract.

Signature /S/ M P Pickles Title Mining Engr Date 8-20-56

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature /S/ Wing G Agnew Title Acting Exec Date 8-20-56

MONTHLY REPORT OF OPERATOR

The Operator (Contractor) of an exploration project is required to make a monthly report to the Government through the Regional Executive Officer. This report consists of three parts as follows:

(a) *Form MF-104—Operator's Monthly Report and Voucher.*—This form details expenditures and constitutes a voucher for reimbursing the Operator for the Government's share of costs;

(b) *Form MF-104A—Operator's Unit Cost and Progress Report.*—This is a statistical report of expenditures which shows costs for the various types of operation; and

(c) *Narrative.*—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered must be furnished as an attachment to this Report and Voucher. Wherever possible, the narrative is to be illustrated with maps or sketches showing formations penetrated and location and assays of samples taken as well as advances in workings. In the case of diamond drilling or churn drilling, the location and inclination of holes is to be shown on a map; logs and assays also are to be submitted.

The Monthly Report of Operator should be prepared in an original and four copies all of which must be sent to the Executive Officer of the Region not later than the 15th of the month following.

Preparation of Form MF-104—Operator's Monthly Report and Voucher.—All the applicable spaces in Form MF-104 should be filled in by the Operator, and the Operator or his agent should sign the certification in the lower left corner of the form.

The items of costs are arranged in the order they appear in Article 6 (a) of Form MF-200 (Revised February 1952), however, this form is readily adaptable for use in reporting activities under other contract forms.

Under Item (1) delete words "Short Form" if the contract is a sub-contract under Form MF-200; and delete word "Independent" if the contract reported is on Form MF-200 (A). Also, report work paid for on a unit basis under contract Form MF-200 as though it were performed under an independent contract.

Under Item (2) include labor, supervision and technical services incurred for the exploratory operations. Do not include labor, supervision and technical services used for work performed under items (5) and (6).

Under Item (3) include the costs of material and supplies used in the project other than that used under items (5) and (6).

Under Item (4) appear the three types of operating equipment expenditures, that is, rental, purchase and depreciation. The expenditures made for renting equipment belonging to a third party will be reported under "Rental". The amount paid or duly obligated for payment for the purchase of equipment will be reported under "Purchase". The amount of expenditures due the Operator to reimburse him for depreciation of equipment owned will be reported under "Depreciation".

Item (5) comprises costs of labor, supervision, technical services, materials, etc., which are used in the initial rehabilitation and repair of existing buildings, installations, fixtures, and equipment. These costs, therefore, should not be reported under items (2) and (3).

Item (6) includes the labor, supervision, technical services, materials, etc., used in the installation or construction of new buildings, fixed improvements, etc., necessary for the project. These costs, therefore, should not be reported under items (2) and (3).

Item (7) covers miscellaneous types of expenditure such as payroll taxes, liability insurance, workmen's compensation insurance, repairs to equipment and sampling and analysis. Only that part of payroll taxes, liability insurance and workmen's compensation which are paid by the operator should be reported under item (7). The share paid by the employee as a payroll deduction is to be included under item (2) as labor costs.

Item (8) includes any unforeseen costs not included in the other seven categories.

The original of Form MF-104 when submitted for reimbursable expenses incurred under contract Form MF-200 must be supported by original documentation or by certified copies of purchase orders, payrolls or transcripts of payrolls, unless such documentation has been waived by the Regional Executive Officer. This certification may be stated thus, "Certified True Copy (or Transcript)", followed by appropriate signature. If the Executive Officer of the Region determines that a contract under Form MF-200 should have an "on-site" audit, that is, a Government auditor should make an audit of the Operator's books and records of account, the Operator need not support his monthly voucher with original or certified documents except in cases of equipment purchases whose individual costs exceed $50.00. In these cases the original or a certified copy of the purchase order or invoice should be attached to the Monthly Voucher. N. B.—Only the *original* of Form MF-104 is required to be documented. The four copies of Form MF-104 are not to be thus supported.

Form MF-104 submitted for reimbursement under fixed price contracts on Form MF-200 (A), however, are not required to be supported by documentation of any kind. The Operator will submit his claim under item (1) of Form MF-104 by deleting as stated above the word "Independent" and by showing the number of feet or other units immediately after the appropriate descriptive word, such as, drilling, bulldozing, crosscutting, drifting, etc., and giving the "Monthly Total" amount due. "Totals Previously Reported", and "Totals to Date" columns should also be filled in.

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of July 1956 Docket No. DMEA 2123 Contract No. Idm-R228
Operator's Name Pacific Northwest Mining Company Minerals Lead-Zinc
Address 415 So. Cambrian Ave., Bremerton, Washington

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT	
							Units	Unit Costs
Drifting		975.00	✓ 30	7,345.00	226.0	32.50		
Crosscutting				1,647.75	50.7	32.50	300	32.50
Raising		877.50	✓ 27	877.50	27.0	32.50	100	32.50
Shafts								
Winzes								
Drilling: ~~Core~~ Long Holes		16.00	✓ 16	223.00	223.0	1.00	250	1.00
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		1,868.50		10,093.25				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
Cost Under Stage I				15,473.72				
TOTAL COSTS		1,868.50		25,566.97				$29,210.00

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

Date August 14, 1956 Operator Pacific Northwest Mining Co.

Per R H Walker Title Sec'y-Treas.

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

REMARKS:

(Instructions on reverse)

(For Government use only)

Isl M R Riches

RECEIVED
AUG 2 1956

INSTRUCTIONS

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

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

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

GPO 872894

Cashmere, Washington
August 1, 1950

U. S. Department of the Interior
Defense Minerals Exploration Administration
2201 E. Division Street
Spokane 2, Washington

Re: Docket No. [illegible]-2123
Contract No. [illegible]
Monthly operating reports

Gentlemen:

During the month of July, twenty-seven feet of raising was completed. Two holes were drilled out in the S. E. drift as it was called to explore ahead of the drifting in that direction. One encountered ore in the end of the drift. About two inches of ore was hit first and about two feet further on another inch or two was hit. One was lead-zinc of low grade. The other hole was black.

The raise has been in ore all the time. Several water courses have been encountered and the raise has now reached a corner of the dike that showed up in the S. E. drift. The ore in the raise appears to be of a low grade mill feed but drilling will be required to determine its value. Drilling has been difficult due to the broken up rock from the water course and dikes that have been encountered.

Very truly yours,

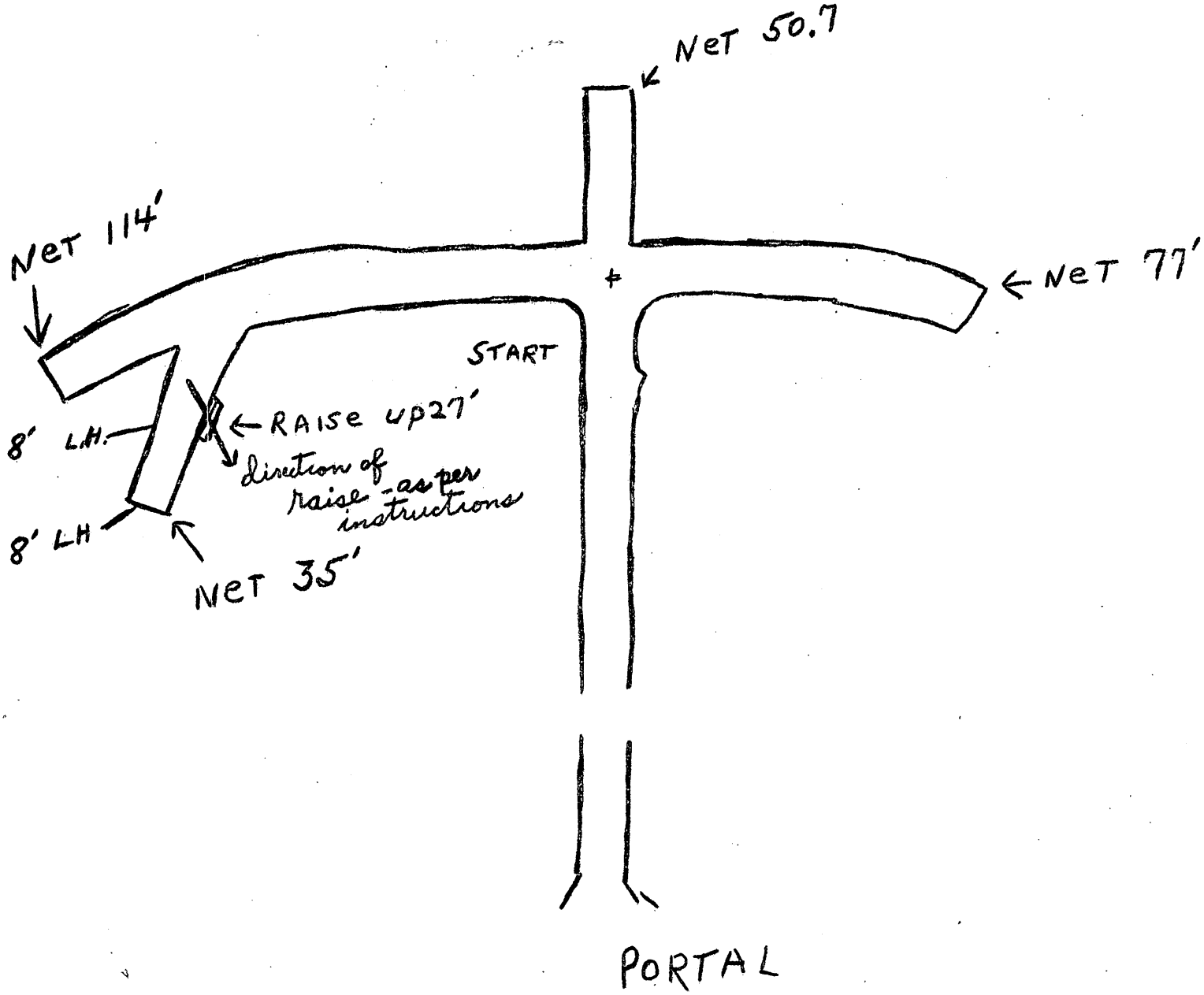
Pacific Northwest Mining Co.

P. R. Walker

P. R. Walker
Sec'y-Treas.

Rough map showing present tunnel directions and distances on Lucille Mine

Map drawn 8/3/56



DMEA Field Team, Region I, NW Dist. August 21, 1956

Certifying Officer, Region I

Contract Idm-R228, Pacific Northwest Mining Co.
Monthly operating report for July 1956.

The subject operating report has been received and processed for payment.

The footage claimed by the Operator for raise during the reporting period is 4 feet in excess of the measurement reported by the examining engineer. Therefore, a disallowance of $130.00 has been made from the costs claimed by the Operator to cover this item.

Myrtle Purdy

cc: Operator

DMEA (2)
USGS (2)
Wash. 2 ✓
MRL
AD

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
~~WASHINGTON 25, D.C.~~
1201 N. Division St.
Spokane 2, Washington

RECEIVED
AUG - 6 1956

July 27, 1956

MEMORANDUM

To: DMEA Field Team, Region I, Northwest District

From: M. R. Lickes, Mining Engineer, Bureau of Mines

Subject: Interim inspection, Docket No. DMEA-2123 (lead-zinc), Pacific Northwest Mining Co., Lucile Mine, Stevens County, Washington, Contract No. Idm-E228.

The Lucile mine was visited on July 25, 1956. No one was at the property at the time of the inspection. Mr. Robert Rukke secretary of Pacific Northwest, was contacted in Northport, Washington.

A shipment of crude ore, the first since the contract has been in effect, has been made since the last inspection. Mr. Rukke estimated that 6-7 tons comprised the load and told me that they had advised The Bunker Hill Company to deduct and send directly to DMEA 5 percent of the net smelter return.

Total length of the south drift is 114 feet, of the north drift 77 feet. Long hole drilling showed that the ore along the contact from 75 to 85 feet in the south drift extended to the east and a drift east in this ore has been advanced 35 feet at S. 43° E. I advised Mr. Rukke that the 23.3 feet remaining in Stage II of the contract should be expended in advancing the north drift through and beyond the dike in the north face.

A request, made by the company for authorization to start Stage III, 100 feet of raising, was granted by the Field Team. Accordingly, 20 feet east of the south drift, carbide lines were marked on the north and south drift walls and will enable the drift contractors to start a raise at N. 85° E., +30°-35 toward the No. 1 ore body on the upper level.

An altered dike cut at 96'-97' in the south drift can be followed through the east drift and occupies a portion of the north half of the east drift face. In the east face, above and behind this dike, is a 1-foot-thick zone of limestone replete with small, narrow gashes

containing predominately sphalerite. The Operator's request to explore this zone by two 10-foot longholes was authorized.

Status of the contract is:

Item		Authorized	Completed	Remaining
Stage I	Drifting and Crosscutting	480 ft.	480 ft.	None
Stage II	Drifting and Crosscutting	300 ft.	276.7 ft.	23.3 ft.
	Longholing	250 ft.	207 ft.	43 ft.
Stage III	Raising	100 ft.	None	100 ft.

M. R. Lickes

M. R. Lickes

Orig. & 3 cys - Wash.
USGS (2)

Form MF-134 (Rev.)
(April 1952)

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Budget Bureau No. 42-R1036.5

RECEIVED
JUL 30 1956

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of June, 1956 Docket No. DMEA 2123 Contract No. Idn-E228
Operator's Name Pacific Northwest Mining Company Minerals Lead-Zinc
Address 415 So. Cambrian Ave., Bremerton, Washington
Contract Amount, $ 29,210.00 Government Participation: 50 % Amount, $ 14,605.00

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling				8/1/56		
Bulldozing						
Crosscutting		1,647.75	1,647.75		1647.75	1647.75
Drifting	715.00	5,655.00	6,370.00	715.00	5655.00	6370.00
Long Holeing	207.00	-	207.00	207.00	-0-	207.00
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify): Work Completed Under Stage I		15,473.72	15,473.72		15473.72	15473.72
TOTALS	922.00	22,776.47	23,698.47	922.00	22776.47	23698.47

I certify that the above bill is correct and just and that payment therefor has not been received.
Date July 14, 1956 *Payee Pacific Northwest Mining Company
Per R. L. Walker Title Sec'y-Treas.

*When a voucher is signed or receipted in the name of a company or corporation, the name of the person writing the company or corporate name, as well as the capacity in which he signs, must appear. For example: "John Doe Company, per John Smith, Secretary," or "Treasurer," as the case may be.

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

(Instructions on reverse)

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

$ 461.00

Signature M&P
(Authorized Certifying Officer)

Date 7-26-56 Vou. No. 1831
(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. 6228 in accordance with the terms of the contract.

Signature /S/ M R Ricker Title Mining Engr Date 7-23-56

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature /S/ A. E. Weissenborn Title Exec Officer Date 7-25-56

MONTHLY REPORT OF OPERATOR

The Operator (Contractor) of an exploration project is required to make a monthly report to the Government through the Regional Executive Officer. This report consists of three parts as follows:

(a) *Form MF-104—Operator's Monthly Report and Voucher.*—This form details expenditures and constitutes a voucher for reimbursing the Operator for the Government's share of costs;

(b) *Form MF-104A—Operator's Unit Cost and Progress Report.*—This is a statistical report of expenditures which shows costs for the various types of operation; and

(c) *Narrative.*—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered must be furnished as an attachment to this Report and Voucher. Wherever possible, the narrative is to be illustrated with maps or sketches showing formations penetrated and location and assays of samples taken as well as advances in workings. In the case of diamond drilling or churn drilling, the location and inclination of holes is to be shown on a map; logs and assays also are to be submitted.

The Monthly Report of Operator should be prepared in an original and four copies all of which must be sent to the Executive Officer of the Region not later than the 15th of the month following.

Preparation of Form MF-104—Operator's Monthly Report and Voucher.—All the applicable spaces in Form MF-104 should be filled in by the Operator, and the Operator or his agent should sign the certification in the lower left corner of the form.

The items of costs are arranged in the order they appear in Article 6 (a) of Form MF-200 (Revised February 1952), however, this form is readily adaptable for use in reporting activities under other contract forms.

Under Item (1) delete words "Short Form" if the contract is a sub-contract under Form MF-200; and delete word "Independent" if the contract reported is on Form MF-200 (A). Also, report work paid for on a unit basis under contract Form MF-200 as though it were performed under an independent contract.

Under Item (2) include labor, supervision and technical services incurred for the exploratory operations. Do not include labor, supervision and technical services used for work performed under items (5) and (6).

Under Item (3) include the costs of material and supplies used in the project other than that used under items (5) and (6).

Under Item (4) appear the three types of operating equipment expenditures, that is, rental, purchase and depreciation. The expenditures made for renting equipment belonging to a third party will be reported under "Rental". The amount paid or duly obligated for payment for the purchase of equipment will be reported under "Purchase". The amount of expenditures due the Operator to reimburse him for depreciation of equipment owned will be reported under "Depreciation".

Item (5) comprises costs of labor, supervision, technical services, materials, etc., which are used in the initial rehabilitation and repair of existing buildings, installations, fixtures, and equipment. These costs, therefore, should not be reported under items (2) and (3).

Item (6) includes the labor, supervision, technical services, materials, etc., used in the installation or construction of new buildings, fixed improvements, etc., necessary for the project. These costs, therefore, should not be reported under items (2) and (3).

Item (7) covers miscellaneous types of expenditure such as payroll taxes, liability insurance, workmen's compensation insurance, repairs to equipment and sampling and analysis. Only that part of payroll taxes, liability insurance and workmen's compensation which are paid by the operator should be reported under item (7). The share paid by the employee as a payroll deduction is to be included under item (2) as labor costs.

Item (8) includes any unforeseen costs not included in the other seven categories.

The original of Form MF-104 when submitted for reimbursable expenses incurred under contract Form MF-200 must be supported by original documentation or by certified copies of purchase orders, payrolls or transcripts of payrolls, unless such documentation has been waived by the Regional Executive Officer. This certification may be stated thus, "Certified True Copy (or Transcript)", followed by appropriate signature. If the Executive Officer of the Region determines that a contract under Form MF-200 should have an "on-site" audit, that is, a Government auditor should make an audit of the Operator's books and records of account, the Operator need not support his monthly voucher with original or certified documents except in cases of equipment purchases whose individual costs exceed $50.00. In these cases the original or a certified copy of the purchase order or invoice should be attached to the Monthly Voucher. N. B.—Only the *original* of Form MF-104 is required to be documented. The four copies of Form MF-104 are not to be thus supported.

Form MF-104 submitted for reimbursement under fixed price contracts on Form MF-200 (A), however, are not required to be supported by documentation of any kind. The Operator will submit his claim under item (1) of Form MF-104 by deleting as stated above the word "Independent" and by showing the number of feet or other units immediately after the appropriate descriptive word, such as, drilling, bulldozing, crosscutting, drifting, etc., and giving the "Monthly Total" amount due. "Totals Previously Reported", and "Totals to Date" columns should also be filled in.

Form MM-104A
(April 1952)

Budget Bureau No. 42-R1151.2

RECEIVED
JUL 30 1953

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of June 1956 Docket No. DMEA 2129 Contract No. [illegible]-210

Operator's Name Pacific Northwest Mining Company Minerals Lead-Zinc

Address 415 So. Cedarian Ave., Spokane, Washington

OPERATION	Unit	Costs This Month	Units This Month	Costs to Date	Units to Date	Unit Costs to Date	Authorized by Contract: Units	Authorized by Contract: Unit Costs
Drifting		715.00	22	6,370.00	196.0	32.50		
Crosscutting				1,647.75	50.7	32.50	300	32.50
Raising								
Shafts								
Winzes								
Drilling: Cor Long Holes		207.00	207	207.00	207.0	1.00	250	1.00
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Total Distributed Costs		922.00		8,224.75			Total Costs Authorized by Contract	
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
Cost Under Stage X				15,473.72				
Total Costs		922.00		23,698.47			10,000.00	

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

Date July 11, 1956 Operator Pacific Northwest Mining Co.

Per D R Walker Title Sec'y-Treas.

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

Remarks:

(Instructions on reverse)

(For Government use only)

/s/ M. R. Ricker

INSTRUCTIONS

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

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

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

GPO 872894

RECEIVED
JUL 30 1956

Bremerton, Washington
July 14, 1956

U. S. Department of the Interior
Defense Minerals Exploration Administration
1201 N. Division Street
Spokane 2, Washington

Re: Docket No. DMEA-2123
Contract No. Idm-2228
Monthly operating reports

Gentlemen:

Work this past month has been a lot slower than usual due to several delays in getting certain supplies, especially an earlier order for powder. The past three weeks on the drilling of long holes was especially slow due to breakdowns of equipment and receiving wrong shipments on bits that were ordered.

The roads are in very bad shape due to several cloud-burst with a lot of trees now in the road which will necessitate the removal before any supplies can be moved in.

A new shipment of powder is on hand at the mine plus needed supplies at this time so that progress, barring any breakdowns in equipment, should go fairly well from now on. The new drift off to the southeasterly direction from the south drift is moving along very well and we expect the ore encountered in the long holes to be showing up any day now in the face of the drift.

Progress claimed for the month of June is twenty-two feet of drifting and two hundred seven feet of long holes.

Very truly yours,

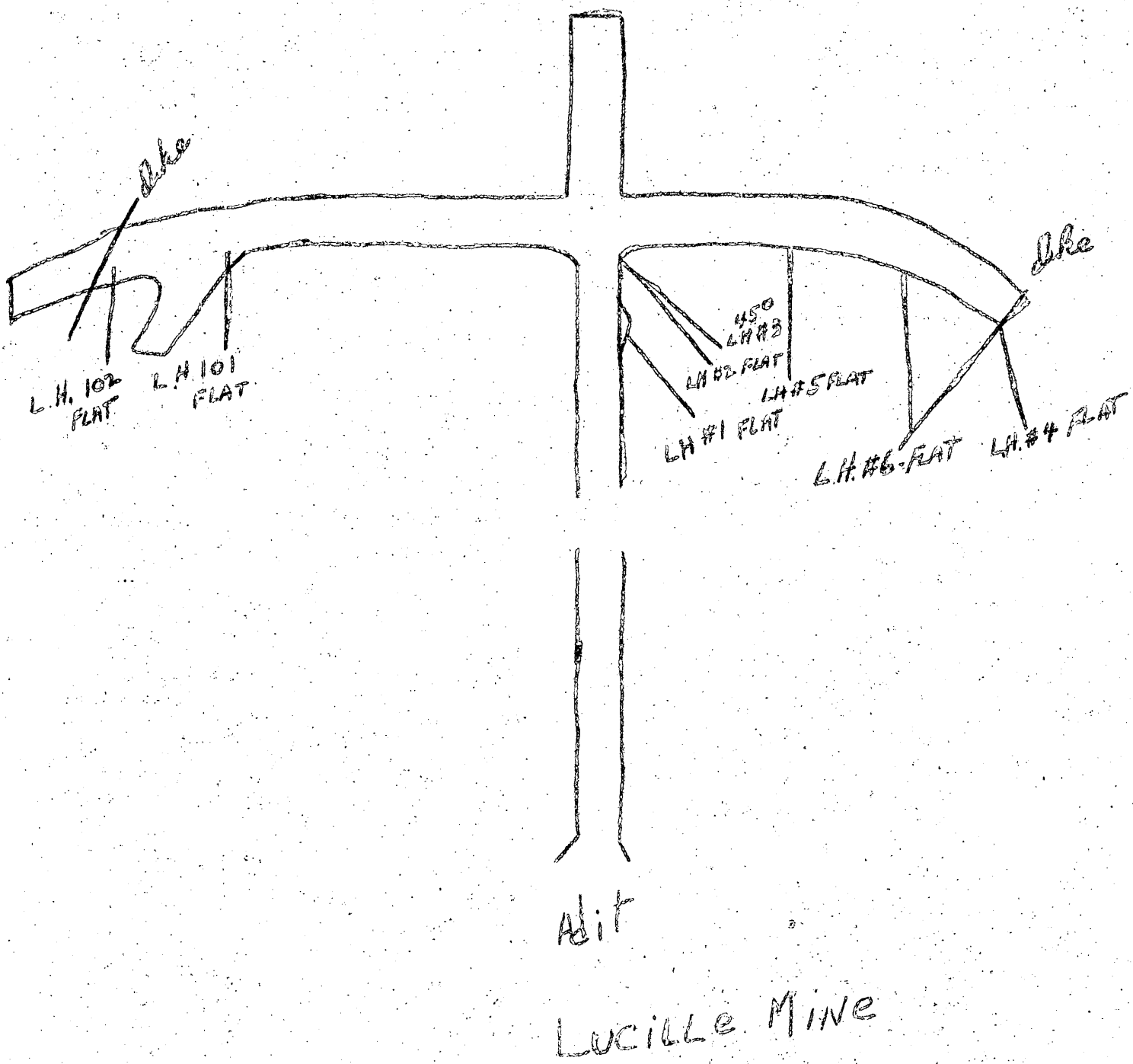
Pacific Northwest Mining Co.

P R Walker

P. R. Walker
Sec'y-Treas.

Rough Sketch of Tunnel progress
and long hole Work
July 10, 1956

RECEIVED
JUL 30 1956



Lucille Mine

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
~~WASHINGTON 25, D. C.~~
So. 157 Howard Street
Spokane 4, Washington

RECEIVED
JUL 19 1956

June 27, 1956

MEMORANDUM

To: DMEA Field Team, Region I, Northwest District

From: Donald F. Kellum, Geologist, U. S. Geological Survey

Subject: Routine inspection report, Docket No. DMEA-2123 (Lead-Zinc), Pacific Northwest Mining Company, Lucile Mine, Stevens County, Washington, Contract No. Idm-E228 (amended).

On May 15, and again on June 23, 1956, I made routine inspections at the Lucile. No one was at the property on either of the visits. The current advance was mapped (see accompanying map).

This work has explored along the basal portion of a gradational contact between phyllite and underlying limestone. A bedding plane fault having normal movement on the order of several feet occurs at or very near the base of the lowermost phyllite laminae. This fault forms the hanging wall of some small pods of galena and sphalerite which apparently have a southwest rake similar to the plunge in drag folds in the overlying phyllite. No ore occurs in the phyllite. A small replacement body consisting mostly of thin bands of sphalerite in limestone occurs at the drift-crosscut intersection and is associated with a hanging wall shoot of galena and sphalerite beneath the contact fault.

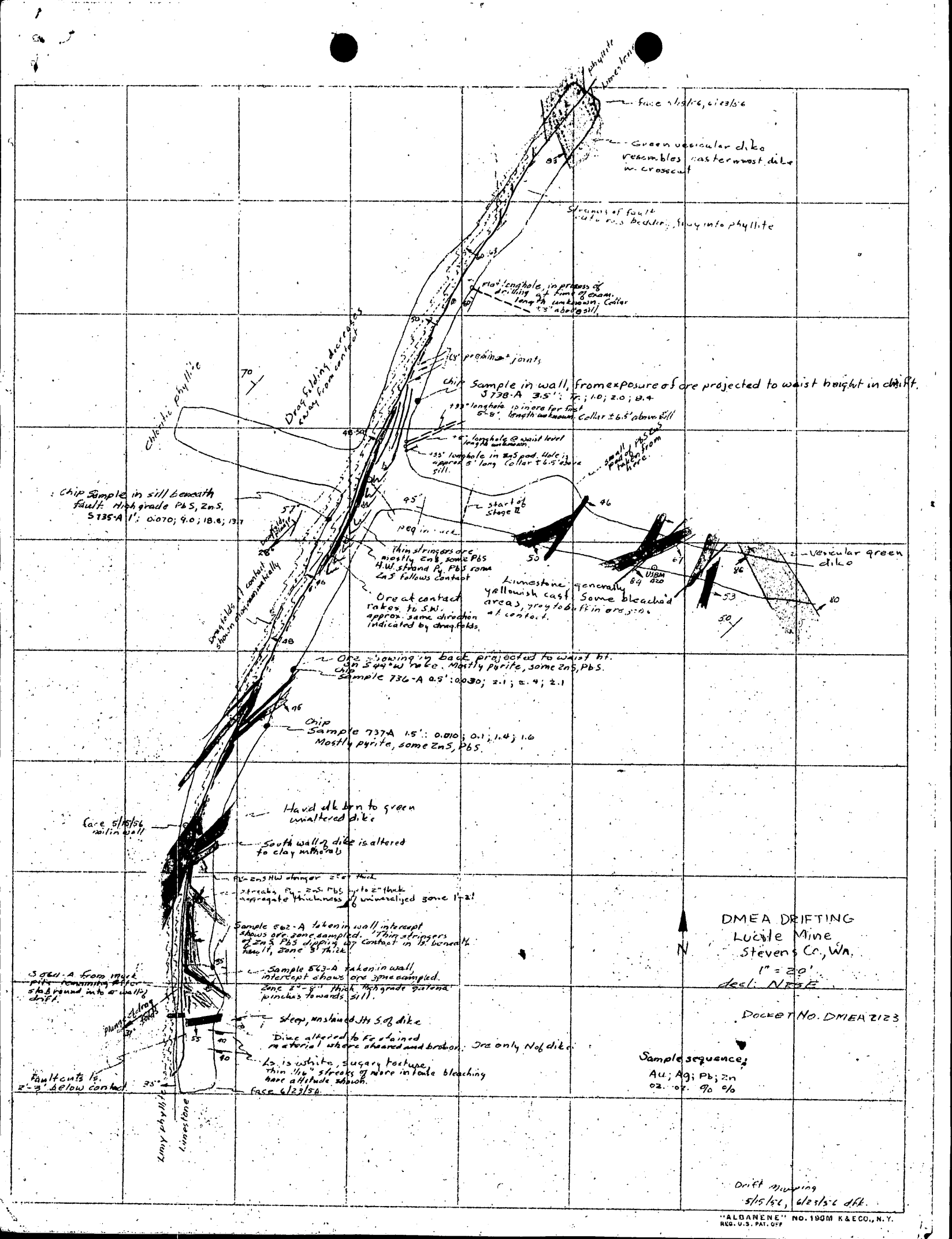
Near the face of the south drift, between two altered dikes, is a replacement zone of high-grade lead and zinc. This probably represents an extension of the South, or No. 1 Lucile, ore body which is the primary target of this drifting. As indicated on the map, this ore zone occurs at the flexure in the contact along which the No. 1 ore body in the upper level rakes. Part of the ore zone consists of thin stringers of sphalerite, galena and pyrite comprising an aggregate ranging from 1 to 3 feet in thickness (sample 562-A) which dips 35° W. parallel to bedding and the hanging wall fault near or at the contact. Sample 563-A was taken across a high-grade galena shoot which dips 51° SW. and trends southeastward at an acute angle to the contact. This shoot and a

similarly oriented aggregate of sphalerite-pyrite-galena veinlets about 20 feet to the south flatten and merge with the ore occurring along the contact. On the upper level the main portion of the No. 1 ore body occurs within the limestone away from the contact.

Assays taken during the May 15 examination are shown on the map; assays taken of the high-grade ore zone in the south drift during the June 23 examination will be submitted with the next report. The amount and complete results of long-hole drilling by the operator could not be determined on the last examination and this information will also be given in the next report.

Attachment 1

Distribution:
DMEA (Orig. & 3)
USBM (2)
USBM (AD)
Docket
Kellum



"ALBANENE" NO. 190M K&E CO., N.Y.
REG. U.S. PAT. OFF

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

~~WASHINGTON 25, D.C.~~

1201 N. Division St.
Spokane 2, Washington
June 18, 1956

RECEIVED
JUL 2 - 1956

MEMORANDUM

To: DMEA Field Team, Region I, Northwest District

From: M. R. Lickes, Mining Engineer, Bureau of Mines

Subject: Interim inspection, Docket No. DMEA-2123 (lead-zinc), Pacific Northwest Mining Co., Lucile Mine, Stevens County, Washington, Contract No. Idm-E228

The Lucile mine was visited on June 14, 1956. Mr. William Steyer, president of Pacific Northwest Mining Co., and Mr. Robert Rukke accompanied me on an inspection of the mine.

The north drift has been advanced 5 feet to a total length of 75 feet. All of the face except the northeast fourth was in a dike, the remainder showing limestone beyond the dike.

The south drift has been advanced to 110 feet for an advance since the last inspection of 46 feet. The south drift encountered a 2-in. seam of ore 75 feet from the crosscut, and at 85 feet a 4-in. band of ore stringers beyond which several pods and gash veins of high grade lead-zinc-silver ore extend sporadically to an 18-in. dike that cuts the drift at 100 feet. There has been no apparent movement along this dike, but beyond it there are only thin mineralized stringers of ore along the contact.

The Operator was advised to start long hole drilling. If the results of this drilling warrant, the south drift will be turned east to explore what is believed to be the 100-level portion of the No. 1 ore body. If such drifting warrants, Stage III, 100 feet of raising, is recommended. Extension of the north drift beyond the dike will await results of the long hole drilling.

The Operator was also advised that DMEA cannot contribute to the cost of slab rounds necessary to turn the drift.

Status of the contract:

		Authorized	Completed	Remaining
Stage I	Drifting and crosscutting	480 ft.	480 ft.	none
II	" " "	300 "	235.7 "	64.3 ft.
III	Raising	100 "	none	100 ft.

Orig. & 3 cys - Wash.
USGS (2)
DMEA--M/D
AD--MRL/he

M. R. Lickes

M. R. Lickes

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

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S MONTHLY REPORT AND VOUCHER

RECEIVED
JUN 25 1956

Month of May, 1956 Docket No. DMEA 2123 Contract No. Idm-E228
Operator's Name Pacific Northwest Mining Company Minerals Lead-Zinc
Address 415 So. Cambrian Ave., Bremerton, Washington
Contract Amount, $29,210.00 Government Participation: 50% Amount, $14,605.00

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling				7/12/56		
Bulldozing						
Crosscutting		1,647.75	1,647.75		1647.75	1647.75
Drifting	1,950.00	3,705.00	5,655.00	1950.00	3705.00	5655.00
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify): Work Completed Under Stage I		15,473.72	15,473.72		15473.72	15473.72
TOTALS	1,950.00	20,826.47	22,776.47	1950.00	20826.47	22776.47

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

Date June 12, 1956 *Payee Pacific Northwest Mining Company

Per O. R. Walker Title Sec-y-Treas.

*When a voucher is signed or receipted in the name of a company or corporation, the name of the person writing the company or corporate name, as well as the capacity in which he signs, must appear. For example: "John Doe Company, per John Smith, Secretary," or "Treasurer," as the case may be.

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

(Instructions on reverse)

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

$975.00

Signature M. LP
(Authorized Certifying Officer)

Date 6-21-56 Vou. No. 1800
(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. E228 in accordance with the terms of the contract.

Signature /s/ M. R. Dickes Title Mining Engr. Date 6-14-56

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature /s/ Wing G. Agnew Title Acting Exec. officer Date 6-18-56

MONTHLY REPORT OF OPERATOR

The Operator (Contractor) of an exploration project is required to make a monthly report to the Government through the Regional Executive Officer. This report consists of three parts as follows:

(a) *Form MF-104—Operator's Monthly Report and Voucher.*—This form details expenditures and constitutes a voucher for reimbursing the Operator for the Government's share of costs;

(b) *Form MF-104A—Operator's Unit Cost and Progress Report.*—This is a statistical report of expenditures which shows costs for the various types of operation; and

(c) *Narrative.*—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered must be furnished as an attachment to this Report and Voucher. Wherever possible, the narrative is to be illustrated with maps or sketches showing formations penetrated and location and assays of samples taken as well as advances in workings. In the case of diamond drilling or churn drilling, the location and inclination of holes is to be shown on a map; logs and assays also are to be submitted.

The Monthly Report of Operator should be prepared in an original and four copies all of which must be sent to the Executive Officer of the Region not later than the 15th of the month following.

Preparation of Form MF-104—Operator's Monthly Report and Voucher.—All the applicable spaces in Form MF-104 should be filled in by the Operator, and the Operator or his agent should sign the certification in the lower left corner of the form.

The items of costs are arranged in the order they appear in Article 6 (a) of Form MF-200 (Revised February 1952), however, this form is readily adaptable for use in reporting activities under other contract forms.

Under Item (1) delete words "Short Form" if the contract is a sub-contract under Form MF-200; and delete word "Independent" if the contract reported is on Form MF-200 (A). Also, report work paid for on a unit basis under contract Form MF-200 as though it were performed under an independent contract.

Under Item (2) include labor, supervision and technical services incurred for the exploratory operations. Do not include labor, supervision and technical services used for work performed under items (5) and (6).

Under Item (3) include the costs of material and supplies used in the project other than that used under items (5) and (6).

Under Item (4) appear the three types of operating equipment expenditures, that is, rental, purchase and depreciation. The expenditures made for renting equipment belonging to a third party will be reported under "Rental". The amount paid or duly obligated for payment for the purchase of equipment will be reported under "Purchase". The amount of expenditures due the Operator to reimburse him for depreciation of equipment owned will be reported under "Depreciation".

Item (5) comprises costs of labor, supervision, technical services, materials, etc., which are used in the initial rehabilitation and repair of existing buildings, installations, fixtures, and equipment. These costs, therefore, should not be reported under items (2) and (3).

Item (6) includes the labor, supervision, technical services, materials, etc., used in the installation or construction of new buildings, fixed improvements, etc., necessary for the project. These costs, therefore, should not be reported under items (2) and (3).

Item (7) covers miscellaneous types of expenditure such as payroll taxes, liability insurance, workmen's compensation insurance, repairs to equipment and sampling and analysis. Only that part of payroll taxes, liability insurance and workmen's compensation which are paid by the operator should be reported under item (7). The share paid by the employee as a payroll deduction is to be included under item (2) as labor costs.

Item (8) includes any unforeseen costs not included in the other seven categories.

The original of Form MF-104 when submitted for reimbursable expenses incurred under contract Form MF-200 must be supported by original documentation or by certified copies of purchase orders, payrolls or transcripts of payrolls, unless such documentation has been waived by the Regional Executive Officer. This certification may be stated thus, "Certified True Copy (or Transcript)", followed by appropriate signature. If the Executive Officer of the Region determines that a contract under Form MF-200 should have an "on-site" audit, that is, a Government auditor should make an audit of the Operator's books and records of account, the Operator need not support his monthly voucher with original or certified documents except in cases of equipment purchases whose individual costs exceed $50.00. In these cases the original or a certified copy of the purchase order or invoice should be attached to the Monthly Voucher. N. B.—Only the *original* of Form MF-104 is required to be documented. The four copies of Form MF-104 are not to be thus supported.

Form MF-104 submitted for reimbursement under fixed price contracts on Form MF-200 (A), however, are not required to be supported by documentation of any kind. The Operator will submit his claim under item (1) of Form MF-104 by deleting as stated above the word "Independent" and by showing the number of feet or other units immediately after the appropriate descriptive word, such as, drilling, bulldozing, crosscutting, drifting, etc., and giving the "Monthly Total" amount due. "Totals Previously Reported", and "Totals to Date" columns should also be filled in.

GPO 83-38476

Form MF-104A
(April 1952)

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

RECEIVED
JUN 25 1956

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of May 1956 Docket No. DMEA 2123 Contract No. Idm-E228
Operator's Name Pacific Northwest Mining Company Minerals Lead-Zinc
Address 415 So. Cambrian Ave., Bremerton, Washington

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting		1,950.00	60	5,655.00	174.0	32.50		
Crosscutting				1,647.75	50.7	32.50	300	32.50
Raising								
Shafts								
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		1,950.00		7,302.75				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
Cost under Stage I				15,473.72				
TOTAL COSTS		1,950.00		22,776.47				~~29,210.00~~

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

REMARKS:

Date June 12, 1956 Operator Pacific Northwest Mining Co.

Per P. R. Walker Title Sec-y--Treas.

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

(Instructions on reverse)

(For Government use only)

/s/ M. R. Rickes

INSTRUCTIONS

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

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

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

GPO 83-38475

RECEIVED
JUN 25 1956

Bremerton, Washington
June 12, 1956

U. S. Department of the Interior
Defense Minerals Exploration Administration
1201 N. Division Street
Spokane 2, Washington

Re: Docket No. DMEA-2123
Contract No. Idm-E228
Monthly operating reports

Gentlemen:

Work has been carried on under the present contract and as of June 8th the total footage in the drift to the right was 77 feet. No further drifting has been done in this direction for a period of about two weeks. The footage to the left, as of June 8th, was 105 feet, 9 inches.

On the last twenty feet in the left drift, the ore widened out to a considerable width. There was a showing of two high grade stringers of an average of approximately four inches all across the face diagonally and smaller stringers through the face over approximately five feet. The ore, in this case, as it widened out also took off to the left as both stringers of high grade headed toward the limestone. A nine foot drill hole was made in this direction and the ore showed about twelve feet in width, including the drift round.

The last round on the face was a complete blank as the drill bit had barely touched a dike of a softer material that had cut the ore off very sharply and almost square across. A nine foot hole was drilled through this dike and it was found to have a depth of about eighteen inches with a showing of lower grade ore on the other side. The drill may have gone through a low grade part of the ore or the ore may have shifted a few feet.

The equipment continues to operate in a satisfactory manner. The road to the mine is in a bad state of repair due to a tremendous rain, with a lot of hail, that occurred last week. Anyone from your office visiting the property will need a four wheel drive due to the condition of the road.

Very truly yours,

Pacific Northwest Mining Co.

P. R. Walker
Secy-Treas.

RECEIVED
JUN 2 5 1953

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

1201 N. Division St.
Spokane 2, Washington
May 9, 1956

RECEIVED
MAY 21 1956

MEMORANDUM

To: DMEA Field Team, Region I, Northwest District

From: M. R. Lickes, Mining Engineer, Bureau of Mines

Subject: Interim inspection, Docket No. DMEA-2123 (lead-zinc), Pacific Northwest Mining Co., Lucile Mine, Stevens County, Washington, Contract No. Idm-E228

The Lucile mine of the Pacific Northwest Mining Co. was visited on May 8, 1956. Mr. Robert Rukke, vice-president of the company, Mr. Wm. Koski, drift contractor, and Phil Crane, miner, were working at the property at the time of my visit.

The north drift had been advanced to a total length of 70 feet, the first 30 feet of which were at N. 16° E., the northernmost 40 feet at N. 32° E., for an advance of 46 feet since work commenced this spring. The south drift had a total length of 64 feet at S. 27° W. for an advance this season of 46 feet.

Beginning 38 feet from the crosscut to a point 58 feet from the crosscut the south drift carried an ore zone up to 18" wide that dipped approximately 50° to the west. One sample 14" wide was taken from the ore-bearing material in the west side of the drift. Results of the assays will be reported when received.

A 5-hole "box" burned cut is being used and rounds broken average 5 to 5.5 feet. I was advised that 85 lbs. of 40 percent Atlas powder is used on the average per round.

Status of the contract is:

		Authorized Feet	Completed Feet	Remaining Feet
Stage I	(original contract) Drifting and crosscutting	480	480	none
Stage II	(amended contract) Drifting and crosscutting	300	184.7	115.3
Stage III	(amended contract) Raising	100	none	100

Orig. & 3 cys - Wash.
USGS (2)
DMEA
M/D--AD--MRL/he

M. R. Lickes
M. R. Lickes

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

PUBLIC VOUCHER FOR PURCHASES AND SERVICES OTHER THAN PERSONAL

D. O. Vou. No. 4

Bu. Vou. No. 1773

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

Voucher prepared at Spokane 5/15/56
(Give place and date)

THE UNITED STATES, Dr., Payee's Account No. Idm-E228

To Pacific Northwest Mining Company
(Payee)

415 So. Cambridge Avenue, Bremerton, Washington
(Address) (State)

PAID BY

(For use of Paying Office)

No. and Date of Order	Date of Delivery or Service	ARTICLES OR SERVICES (Enter description, item number of contract or Federal supply schedule, and other information deemed necessary) Discount Terms	QUANTITY	UNIT PRICE Cost	UNIT PRICE Per	AMOUNT Dollars	AMOUNT Cts.
	Nov. 1955	Amount withheld when payment was made under Voucher No. 1672, 12/19/55				100.00	
	April 1956	As per attached certified form MF-104 dated 5/10/56				1,170.00	

PAYMENT:
Complete ☐
Partial ☐
Final ☐

Use continuation sheet(s) if necessary

Shipped from to Weight Government B/L No. Total

(Payee must NOT use this space) 1,270.00

Differences

Account verified; correct for 1,270.00

(Signature or initials) M.P.

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

1,270.00

MEMORANDUM

RECEIVED
MAY 21 1956

ACCOUNTING CLASSIFICATION (For completion by Administrative Office)

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

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

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

16—22900a-2

METHOD OF OR ABSENCE OF ADVERTISING

METHOD OF ADVERTISING

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

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

ABSENCE OF ADVERTISING

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

.....

.....

.....

.....

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

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

☆ U. S. GOVERNMENT PRINTING OFFICE : 1950 O—75805

16—22900a-2

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

RECEIVED
MAY 21 1956

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of April, 1956 Docket No. DMEA 2123 Contract No. Idm-8228
Operator's Name Pacific Northwest Mining Company Minerals Lead-Zinc
Address 415 So. Cambrian Ave., Bremerton, Washington
Contract Amount, $29,210.00 Government Participation: 50 % Amount, $14,605.00

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling				5/29/56	WPK	
Bulldozing						
Crosscutting		1,647.75	1,647.75		1647.75	1647.75
Drifting	2,340.00	1,365.00	3,705.00	2340.00	1365.00	3705.00
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
Work completed under Stage I		15,473.72	15,473.72		15473.72	15473.72
TOTALS	2,340.00	18,486.47	20,826.47	2340.00	18486.47	20826.47

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

Date May 10, 1956 *Payee Pacific Northwest Mining Company

Per [signature] Title President

*When a voucher is signed or receipted in the name of a company or corporation, the name of the person writing the company or corporate name, as well as the capacity in which he signs, must appear. For example: "John Doe Company, per John Smith, Secretary," or "Treasurer," as the case may be.

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

(Instructions on reverse)

Pursuant to authority vested in me, I certify that this account is correct and proper for payment in the amount of:
1170 00

$ 1170 00

Signature [signature]
(Authorized Certifying Officer)

Date 5/15/56 Vou. No. 1773
(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. E 228 in accordance with the terms of the contract.

Signature /S/ M. R. Lickes Title Mining Engr Date 5/11/56

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature /S/ Wing G. Agnew Title acting Exec Officer Date May 14-56

MONTHLY REPORT OF OPERATOR

The Operator (Contractor) of an exploration project is required to make a monthly report to the Government through the Regional Executive Officer. This report consists of three parts as follows:

(a) *Form MF-104—Operator's Monthly Report and Voucher.*—This form details expenditures and constitutes a voucher for reimbursing the Operator for the Government's share of costs;

(b) *Form MF-104A—Operator's Unit Cost and Progress Report.*—This is a statistical report of expenditures which shows costs for the various types of operation; and

(c) *Narrative.*—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered must be furnished as an attachment to this Report and Voucher. Wherever possible, the narrative is to be illustrated with maps or sketches showing formations penetrated and location and assays of samples taken as well as advances in workings. In the case of diamond drilling or churn drilling, the location and inclination of holes is to be shown on a map; logs and assays also are to be submitted.

The Monthly Report of Operator should be prepared in an original and four copies all of which must be sent to the Executive Officer of the Region not later than the 15th of the month following.

Preparation of Form MF-104—Operator's Monthly Report and Voucher.—All the applicable spaces in Form MF-104 should be filled in by the Operator, and the Operator or his agent should sign the certification in the lower left corner of the form.

The items of costs are arranged in the order they appear in Article 6 (a) of Form MF-200 (Revised February 1952), however, this form is readily adaptable for use in reporting activities under other contract forms.

Under Item (1) delete words "Short Form" if the contract is a sub-contract under Form MF-200; and delete word "Independent" if the contract reported is on Form MF-200 (A). Also, report work paid for on a unit basis under contract Form MF-200 as though it were performed under an independent contract.

Under Item (2) include labor, supervision and technical services incurred for the exploratory operations. Do not include labor, supervision and technical services used for work performed under items (5) and (6).

Under Item (3) include the costs of material and supplies used in the project other than that used under items (5) and (6).

Under Item (4) appear the three types of operating equipment expenditures, that is, rental, purchase and depreciation. The expenditures made for renting equipment belonging to a third party will be reported under "Rental". The amount paid or duly obligated for payment for the purchase of equipment will be reported under "Purchase". The amount of expenditures due the Operator to reimburse him for depreciation of equipment owned will be reported under "Depreciation".

Item (5) comprises costs of labor, supervision, technical services, materials, etc., which are used in the initial rehabilitation and repair of existing buildings, installations, fixtures, and equipment. These costs, therefore, should not be reported under items (2) and (3).

Item (6) includes the labor, supervision, technical services, materials, etc., used in the installation or construction of new buildings, fixed improvements, etc., necessary for the project. These costs, therefore, should not be reported under items (2) and (3).

Item (7) covers miscellaneous types of expenditure such as payroll taxes, liability insurance, workmen's compensation insurance, repairs to equipment and sampling and analysis. Only that part of payroll taxes, liability insurance and workmen's compensation which are paid by the operator should be reported under item (7). The share paid by the employee as a payroll deduction is to be included under item (2) as labor costs.

Item (8) includes any unforeseen costs not included in the other seven categories.

The original of Form MF-104 when submitted for reimbursable expenses incurred under contract Form MF-200 must be supported by original documentation or by certified copies of purchase orders, payrolls or transcripts of payrolls, unless such documentation has been waived by the Regional Executive Officer. This certification may be stated thus, "Certified True Copy (or Transcript)", followed by appropriate signature. If the Executive Officer of the Region determines that a contract under Form MF-200 should have an "on-site" audit, that is, a Government auditor should make an audit of the Operator's books and records of account, the Operator need not support his monthly voucher with original or certified documents except in cases of equipment purchases whose individual costs exceed $50.00. In these cases the original or a certified copy of the purchase order or invoice should be attached to the Monthly Voucher. N. B.—Only the *original* of Form MF-104 is required to be documented. The four copies of Form MF-104 are not to be thus supported.

Form MF-104 submitted for reimbursement under fixed price contracts on Form MF-200 (A), however, are not required to be supported by documentation of any kind. The Operator will submit his claim under item (1) of Form MF-104 by deleting as stated above the word "Independent" and by showing the number of feet or other units immediately after the appropriate descriptive word, such as, drilling, bulldozing, crosscutting, drifting, etc., and giving the "Monthly Total" amount due. "Totals Previously Reported", and "Totals to Date" columns should also be filled in.

GPO 83-38476

Form MF-104A
(April 1952)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

RECEIVED
MAY 21 1956

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of April 1956 Docket No. DMEA 2123 Contract No. Idu-1228
Operator's Name Pacific Northwest Mining Company Minerals Lead-Zinc
Address 415 So. Cambrian Ave., Bremerton, Washington

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting		2,340.00	72	3,705.00	114.0	32.50		
Crosscutting				1,647.75	50.7	32.50	300	32.50
Raising								
Shafts								
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		2,340.00		5,352.75				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
Cost under Stage I				15,473.72				
TOTAL COSTS		2,340.00		20,826.47				29,210.00

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

Date May 10, 1956 Operator Pacific Northwest Mining Co.

Per Wm. R. Stagner Title President

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

(Instructions on reverse)

REMARKS:

(For Government use only)

/s/ M. R. Ricks

INSTRUCTIONS

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

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

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

GPO 83-38475

RECEIVED
MAY 21 1956

Bremerton, Washington
May 9, 1956

U. S. Department of the Interior
Defense Minerals Exploration Administration
1201 N. Sycamore Street
Spokane 2, Washington

Re: Project No. DMA-222
Contract No. DA-223
Monthly operating reports

Gentlemen:

This is a report of the work done at the Mozille Mine since work was resumed.

First work done was opening of the road on March 19th. Equipment and supplies on hand at the Red Top were moved to the immediate vicinity of the Mozille Mine. The cabins at the Mozille were rehabilitated and fixed up for living in first class shape. Tunnel was opened there filled with snow and ice. Machinery and tools were all varied over and the compressor on hand put in running order. New valves were ground and valve inserts were added. New heads on compressor were installed and a new pipe system to draw carbon monoxide gas away from compressor intake was installed. This had been a handicap for the workers and caused many headaches and sickness until corrected.

Actual drilling commenced on April 5th. Alternate rounds were drilled to the left and right of the main tunnel following the contact zone. The contact zone continues the curve shown on the last mapping of last November's report. Ore was hit in the left drift about 16-18 inches in width. This ore was of a mill grade at this time and may be the beginning of the ore body on the left that is the object of the drifting. Survey of all points was made under the supervision of Mrs. Hicks during the past month.

Machinery is all in good working order except the compressor which has been giving some trouble.

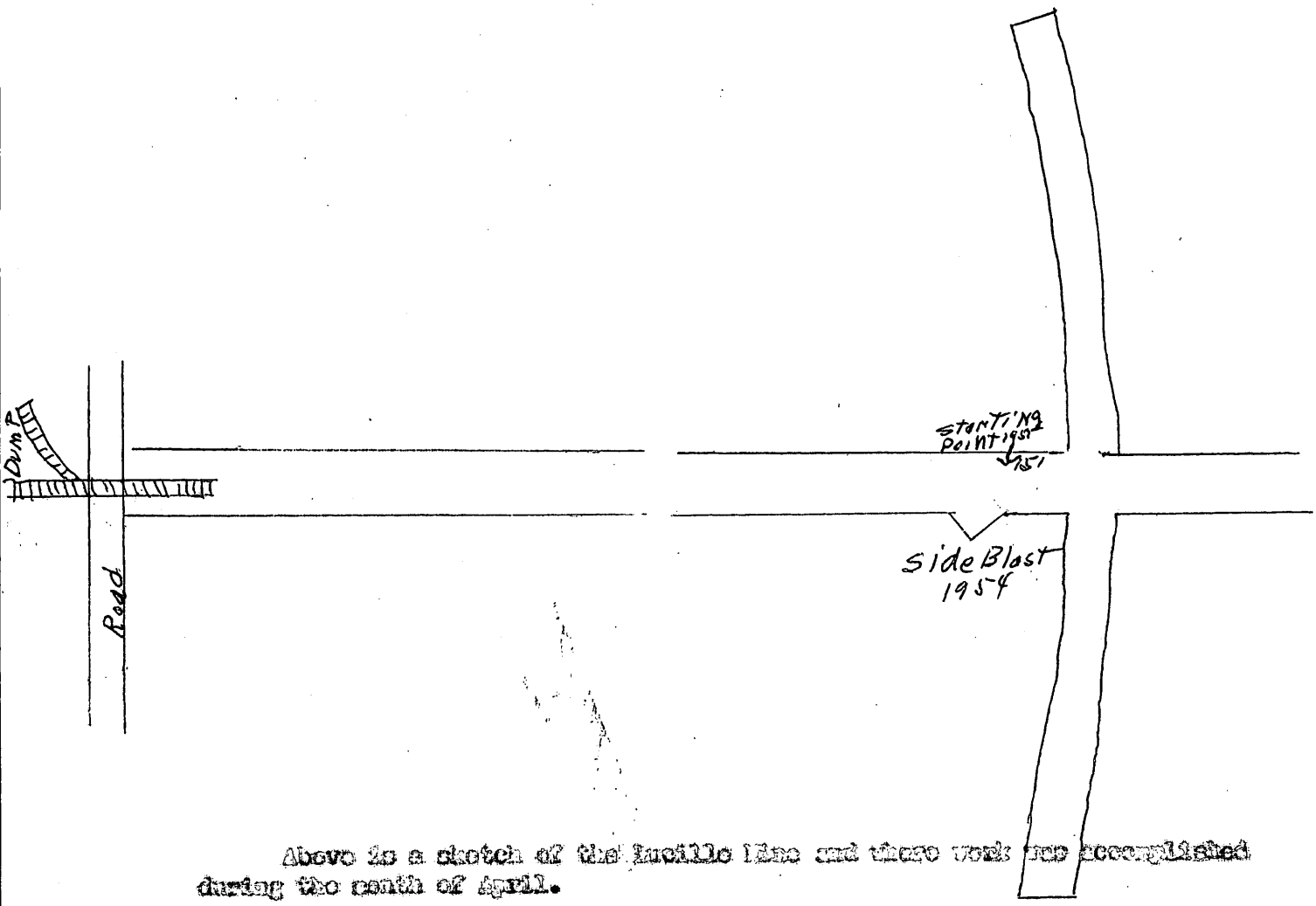
Progress on drifting for the month of April was seventy two feet.

Very truly yours,

Pacific Northwest Mining Co.

Wm. R. Steyer

Wm. R. Steyer
President



Above is a sketch of the Lucille Mine and there work was accomplished during the month of April.

Both drifts were extended and total drifting completed was seventy two feet.

Very truly yours,

Pacific Northwest Mining Co.

Wm. R. Steyer

Wm. R. Steyer
President

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

1201 N. Division Street
Spokane 2, Washington
April 19, 1956

MEMORANDUM

To: DMEA Field Team, Region I, Northwest District

From: M. R. Lickes, Mining Engineer, Bureau of Mines

Subject: Interim inspection, Docket No. DMEA 2123 (lead-zinc), Pacific Northwest Mining Co., Lucile Mine, Stevens County, Washington, Contract No. Idm-E228

The Lucile mine was visited on April 17, 1956. Mr. Robert Rukke, secretary of the company, Wm. Koski, drift contractor, and Phil Crane were present at the time of my visit. They were working on the compressor motor to pipe the exhaust fumes farther away from the compressor intake; the miners had been made ill because of fumes in the compressed air. They advised me that before resuming work at the Lucile an overhaul of the compressor, including 2 new heads and head gaskets, 3 new valves, valve grinding, carburetor repair, and a new fuel pump and diaphragm, had been completed.

A transit-stadia survey was made to determine the relationship of the drifts being run to the ore bodies known on higher levels. Results of the survey indicate that drifting to both the north and south should be continued.

The face of the north drift showed a barren 4-foot-wide shear zone that dips 60° westerly. Along the footwall of the zone there is 2 inches of gouge. Mineralization in the south drift face, showings of sulfides of lead, zinc, and iron, occurs in a zone that averages 2 feet wide and dips 50° to the west.

Orig. & 3 cys - Wash.
USGS (2)
DMEA
M/D
AD
MRL/he

M. R. Lickes

M. R. Lickes

RECEIVED
MAY 4 - 1956

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

W

Budget Bureau No. 42-R1036.5

RECEIVED
DEC 27 1955

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

Month of November, 1955 Docket No. DMEA 2123 Contract No. Idn-1228
Operator's Name Pacific Northwest Mining Co. Minerals Lead-Zinc
Address 415 So. Cambrian Ave., Bremerton, Washington
Contract Amount, $ 29,210.00 Government Participation: 50% Amount, $ 14,605.00

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						Approved ~~[illegible]~~
Drilling				12/30/55	DPK	Betty
Bulldozing						
Crosscutting		1647.75	1647.75		1647.75	1647.75
Drifting	1313.00	292.50	1605.50	1072.50	292.50	1365.00
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify): Work completed under Stage I		15473.72	15473.72		15473.72	15473.72
TOTALS	1313.00	17413.97	18726.97	1072.50	17413.97	18486.47

I certify that the above bill is correct and just and that payment therefor has not been received.
Date Dec. 14, 1955 *Payee Pacific Northwest Mining Co.

Per Wm R. Steyer Title President

*When a voucher is signed or receipted in the name of a company or corporation, the name of the person writing the company or corporate name, as well as the capacity in which he signs, must appear. For example: "John Doe Company, per John Smith, Secretary," or "Treasurer," as the case may be.

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

(Instructions on reverse)

withheld 536.25
100.00
436.25

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

$ 436.25

Signature MDP
(Authorized Certifying Officer)

Date 12-19-55 Vou. No. 1672
(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. E228 in accordance with the terms of the contract.

Signature /s/ M. R. Rickles Title Mining Engr. Date 12-16-55

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature /s/ Stephen W Zoldok Title Mining Engr. Date 12-19-55

MONTHLY REPORT OF OPERATOR

The Operator (Contractor) of an exploration project is required to make a monthly report to the Government through the Regional Executive Officer. This report consists of three parts as follows:

(a) *Form MF-104—Operator's Monthly Report and Voucher.*—This form details expenditures and constitutes a voucher for reimbursing the Operator for the Government's share of costs;

(b) *Form MF-104A—Operator's Unit Cost and Progress Report.*—This is a statistical report of expenditures which shows costs for the various types of operation; and

(c) *Narrative.*—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered must be furnished as an attachment to this Report and Voucher. Wherever possible, the narrative is to be illustrated with maps or sketches showing formations penetrated and location and assays of samples taken as well as advances in workings. In the case of diamond drilling or churn drilling, the location and inclination of holes is to be shown on a map; logs and assays also are to be submitted.

The Monthly Report of Operator should be prepared in an original and four copies all of which must be sent to the Executive Officer of the Region not later than the 15th of the month following.

Preparation of Form MF-104—Operator's Monthly Report and Voucher.—All the applicable spaces in Form MF-104 should be filled in by the Operator, and the Operator or his agent should sign the certification in the lower left corner of the form.

The items of costs are arranged in the order they appear in Article 6 (a) of Form MF-200 (Revised February 1952), however, this form is readily adaptable for use in reporting activities under other contract forms.

Under Item (1) delete words "Short Form" if the contract is a sub-contract under Form MF-200; and delete word "Independent" if the contract reported is on Form MF-200 (A). Also, report work paid for on a unit basis under contract Form MF-200 as though it were performed under an independent contract.

Under Item (2) include labor, supervision and technical services incurred for the exploratory operations. Do not include labor, supervision and technical services used for work performed under items (5) and (6).

Under Item (3) include the costs of material and supplies used in the project other than that used under items (5) and (6).

Under Item (4) appear the three types of operating equipment expenditures, that is, rental, purchase and depreciation. The expenditures made for renting equipment belonging to a third party will be reported under "Rental". The amount paid or duly obligated for payment for the purchase of equipment will be reported under "Purchase". The amount of expenditures due the Operator to reimburse him for depreciation of equipment owned will be reported under "Depreciation".

Item (5) comprises costs of labor, supervision, technical services, materials, etc., which are used in the initial rehabilitation and repair of existing buildings, installations, fixtures, and equipment. These costs, therefore, should not be reported under items (2) and (3).

Item (6) includes the labor, supervision, technical services, materials, etc., used in the installation or construction of new buildings, fixed improvements, etc., necessary for the project. These costs, therefore, should not be reported under items (2) and (3).

Item (7) covers miscellaneous types of expenditure such as payroll taxes, liability insurance, workmen's compensation insurance, repairs to equipment and sampling and analysis. Only that part of payroll taxes, liability insurance and workmen's compensation which are paid by the operator should be reported under item (7). The share paid by the employee as a payroll deduction is to be included under item (2) as labor costs.

Item (8) includes any unforeseen costs not included in the other seven categories.

The original of Form MF-104 when submitted for reimbursable expenses incurred under contract Form MF-200 must be supported by original documentation or by certified copies of purchase orders, payrolls or transcripts of payrolls, unless such documentation has been waived by the Regional Executive Officer. This certification may be stated thus, "Certified True Copy (or Transcript)", followed by appropriate signature. If the Executive Officer of the Region determines that a contract under Form MF-200 should have an "on-site" audit, that is, a Government auditor should make an audit of the Operator's books and records of account, the Operator need not support his monthly voucher with original or certified documents except in cases of equipment purchases whose individual costs exceed $50.00. In these cases the original or a certified copy of the purchase order or invoice should be attached to the Monthly Voucher. N. B.—Only the *original* of Form MF-104 is required to be documented. The four copies of Form MF-104 are not to be thus supported.

Form MF-104 submitted for reimbursement under fixed price contracts on Form MF-200 (A), however, are not required to be supported by documentation of any kind. The Operator will submit his claim under item (1) of Form MF-104 by deleting as stated above the word "Independent" and by showing the number of feet or other units immediately after the appropriate descriptive word, such as, drilling, bulldozing, crosscutting, drifting, etc., and giving the "Monthly Total" amount due. "Totals Previously Reported", and "Totals to Date" columns should also be filled in.

GPO 872893

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of November 1955 Docket No. DMEA 2123 Contract No. Idm-E228

Operator's Name Pacific Northwest Mining Co. Minerals Lead-Zinc

Address 415 So. Cambrian Ave., Bremerton, Washington

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting		1072.50 ~~1313.00~~	33 ~~40.4~~	1365.00 ~~1605.50~~	42 ~~49.4~~	32.50		
Crosscutting				1647.75	50.7	32.50	300 FT	32.50
Raising								
Shafts								
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		1072.50 ~~1313.00~~		3012.75 ~~3253.25~~				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc. Cost under Stage I				15473.72				
TOTAL COSTS		~~2313.00~~ 1072.50		~~18736.97~~ 18486.47				29,210.00

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

REMARKS:

Date Dec. 14, 1955 Operator Pacific Northwest Mining Co.

Per [signature] Title President

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

(Instructions on reverse)

(For Government use only)

/s/ M. R. Ricks

INSTRUCTIONS

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

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

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

GPO 872894

Bremerton, Washington
December 14, 1955

United States Bureau of Mines
1201 N. Division Street,
Spokane 2, Washington

RE: Narrative
Docket No. DMEA-2123
Contract No. Idm-E228

Gentlemen:

The following is a narrative on work accomplished during the month of November 1955.

At the beginning of the month, the muck that had been blasted out on starting the drift to the right and to the left of the cross-cut, was mucked out. Then it was necessary to install two switches in order to follow the contact ore.

Drifting was continued both to the right and to the left until November 12 at which time the severe cold weather set in.

From November 12 until November 20, no work was accomplished as the contractor and his crew were in Northport waiting for the weather to break.

On November 20, the crew battled their way back up the mountain. Upon arriving at camp, they found their water system all frozen. It was necessary to use snow water for drinking and cooking purposes.

On November 21, a heavy snow storm was still in progress. Because of the early heavy snow and the difficulty in starting the compressor due to the extreme cold, the contractor decided it would be advisable to cease work until spring.

The contractor reported that the vein material narrowed some to the left but continued approximately the same width to the right. The grade of ore in both directions was not as strong to lead as at the first encounter. Zinc and iron continued about the same.

Yours very truly,

Pacific Northwest Mining Co.

Wm. R. Steyer

Wm. R. Steyer, Pres.

RECEIVED

DEC 27 1955

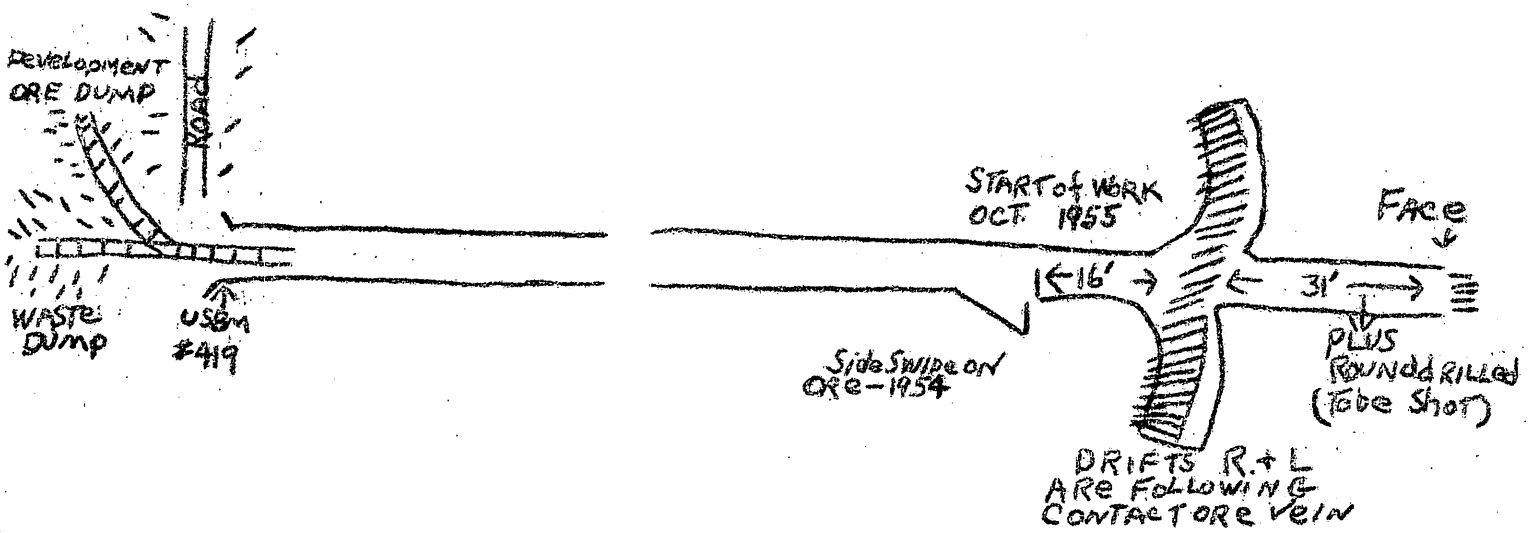
Bremerton, Washington
December 14, 1955

United States Bureau of Mines
1201 N. Division Street
Spokane 2, Washington

RE: Lucille Mine
Docket No. DMEA-2123
Contract No. Idm-E228

Gentlemen:

Following is a sketch of the Lucille Mine and work carried on since start of contract work this fall:



Due to unseasonable cold weather and early continued snows of depth, it was necessary to terminate this work until early in spring. Contractor doing the work plans on getting back in sometime in early or middle March of the coming year and bringing contract to a successful conclusion. Materials and equipment for carrying on the contract are all on hand and ready to go.

Yours very truly,

Pacific Northwest Mining Company

Wm. R. Steyer

Wm. R. Steyer, Pres.

RECEIVED
DEC 27 1955

DMEA Field Team, Region I, NW District

December 19, 1955

Myrtle Purdy, DMEA Certifying Officer, Region I

Monthly operating report for November 1955, Pacific Northwest Mining Co., Contract Idm-2228.

The subject operating report has been received and processed for payment.

The footage reported by the operator for the period exceeds that measured by the USBM engineer on November 22, 1955 by 7.4 feet. Therefore, a deletion of $240.50 has been made. This footage may be reclaimed by the operator if it has been accomplished when the next inspection is made by the USBM engineer.

As the project is inactive at present because of severe winter weather, $100.00 is being withheld until work is resumed. This is standard procedure for all inactive contracts.

Myrtle Purdy

cc: Operator
DMEA (2)
USGS (2)
Wash. (2)
AD
Lickes

Form MF-194 (Rev.)
(April 1952)

Budget Bureau No. 42-R1036.5

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

RECEIVED 1955

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

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling				12/28/55		
Bulldozing						
Crosscutting	[illegible]	0	[illegible]	1647.75	-0-	1647.75
Drifting	[illegible]	0	[illegible]	292.50	-0-	292.50
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
[illegible]						
[illegible]		[illegible]	[illegible]		15473.72	15473.72
TOTALS	[illegible]	[illegible]	[illegible]	1940.25	15473.72	17413.97

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

Date [illegible] *Payee [illegible]

Per [illegible] Title [illegible]

*When a voucher is signed or receipted in the name of a company or corporation, the name of the person writing the company or corporate name, as well as the capacity in which he signs, must appear. For example: "John Doe Company, per John Smith, Secretary," or "Treasurer," as the case may be.

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

(Instructions on reverse)

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

$ 970.13

Signature [illegible]
(Authorized Certifying Officer)

Date 11-16-55 Vou. No. 1647

(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. E228 in accordance with the terms of the contract.

Signature /S/ M. R. Rickles Title Mining Engr. Date 11-14-55

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature /S/ Stephen W. Zoldok Title Mining Engr. Date 11-14-55

MONTHLY REPORT OF OPERATOR

The Operator (Contractor) of an exploration project is required to make a monthly report to the Government through the Regional Executive Officer. This report consists of three parts as follows:

(a) *Form MF-104—Operator's Monthly Report and Voucher.*—This form details expenditures and constitutes a voucher for reimbursing the Operator for the Government's share of costs;

(b) *Form MF-104A—Operator's Unit Cost and Progress Report.*—This is a statistical report of expenditures which shows costs for the various types of operation; and

(c) *Narrative.*—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered must be furnished as an attachment to this Report and Voucher. Wherever possible, the narrative is to be illustrated with maps or sketches showing formations penetrated and location and assays of samples taken as well as advances in workings. In the case of diamond drilling or churn drilling, the location and inclination of holes is to be shown on a map; logs and assays also are to be submitted.

The Monthly Report of Operator should be prepared in an original and four copies all of which must be sent to the Executive Officer of the Region not later than the 15th of the month following.

Preparation of Form MF-104—Operator's Monthly Report and Voucher.—All the applicable spaces in Form MF-104 should be filled in by the Operator, and the Operator or his agent should sign the certification in the lower left corner of the form.

The items of costs are arranged in the order they appear in Article 6 (a) of Form MF-200 (Revised February 1952), however, this form is readily adaptable for use in reporting activities under other contract forms.

Under Item (1) delete words "Short Form" if the contract is a sub-contract under Form MF-200; and delete word "Independent" if the contract reported is on Form MF-200 (A). Also, report work paid for on a unit basis under contract Form MF-200 as though it were performed under an independent contract.

Under Item (2) include labor, supervision and technical services incurred for the exploratory operations. Do not include labor, supervision and technical services used for work performed under items (5) and (6).

Under Item (3) include the costs of material and supplies used in the project other than that used under items (5) and (6).

Under Item (4) appear the three types of operating equipment expenditures, that is, rental, purchase and depreciation. The expenditures made for renting equipment belonging to a third party will be reported under "Rental". The amount paid or duly obligated for payment for the purchase of equipment will be reported under "Purchase". The amount of expenditures due the Operator to reimburse him for depreciation of equipment owned will be reported under "Depreciation".

Item (5) comprises costs of labor, supervision, technical services, materials, etc., which are used in the initial rehabilitation and repair of existing buildings, installations, fixtures, and equipment. These costs, therefore, should not be reported under items (2) and (3).

Item (6) includes the labor, supervision, technical services, materials, etc., used in the installation or construction of new buildings, fixed improvements, etc., necessary for the project. These costs, therefore, should not be reported under items (2) and (3).

Item (7) covers miscellaneous types of expenditure such as payroll taxes, liability insurance, workmen's compensation insurance, repairs to equipment and sampling and analysis. Only that part of payroll taxes, liability insurance and workmen's compensation which are paid by the operator should be reported under item (7). The share paid by the employee as a payroll deduction is to be included under item (2) as labor costs.

Item (8) includes any unforeseen costs not included in the other seven categories.

The original of Form MF-104 when submitted for reimbursable expenses incurred under contract Form MF-200 must be supported by original documentation or by certified copies of purchase orders, payrolls or transcripts of payrolls, unless such documentation has been waived by the Regional Executive Officer. This certification may be stated thus, "Certified True Copy (or Transcript)", followed by appropriate signature. If the Executive Officer of the Region determines that a contract under Form MF-200 should have an "on-site" audit, that is, a Government auditor should make an audit of the Operator's books and records of account, the Operator need not support his monthly voucher with original or certified documents except in cases of equipment purchases whose individual costs exceed $50.00. In these cases the original or a certified copy of the purchase order or invoice should be attached to the Monthly Voucher. N. B.—Only the *original* of Form MF-104 is required to be documented. The four copies of Form MF-104 are not to be thus supported.

Form MF-104 submitted for reimbursement under fixed price contracts on Form MF-200 (A), however, are not required to be supported by documentation of any kind. The Operator will submit his claim under item (1) of Form MF-104 by deleting as stated above the word "Independent" and by showing the number of feet or other units immediately after the appropriate descriptive word, such as, drilling, bulldozing, crosscutting, drifting, etc., and giving the "Monthly Total" amount due. "Totals Previously Reported", and "Totals to Date" columns should also be filled in.

Form MF-104A
(April 1952)

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

RECEIVED
NOV 21 1955

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

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

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT	
							Units	Unit Costs
Drifting								
Crosscutting								
Raising								
Shafts								
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
								TOTAL COSTS AUTHORIZED BY CONTRACT
TOTAL DISTRIBUTED COSTS								
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS								

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

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

Per Wm R. Steyer Title .....

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

REMARKS: .....

(Instructions on reverse)

(For Government use only)

/S/
Margaret R Ricker

INSTRUCTIONS

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

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

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

GPO 83-38475

RECEIVED
NOV 21 1955

[illegible]
[illegible]

[illegible]
Bureau of Mines
Defense Minerals Exploration Adm.
[illegible] Division Street
Spokane 2, Washington

[illegible]
[illegible] 223-Contract [illegible]-[illegible]

Gentlemen:

The following is a general narrative of the work under the above-[illegible] contract since our last [illegible].

After a week of rain delay in [illegible] and rehabilitating of equipment the first round was drilled on Monday Oct. 8th. Work since then has been carried forward as fast as possible. Repairs of pneumatic, rail-[illegible], [illegible] and steel lines all been made in sufficient supplies, with the possible exception of power are now on hand at the [illegible], where the three man crew is headquartered and at the [illegible] to complete the initial contract given to Mr. [illegible] of Portland. Indicating [illegible] are [illegible] and [illegible] of the [illegible].

Shortly after start of drilling a vein of ore nearly over 4 feet in [illegible] and drilling continued forward for an [illegible] 30 odd feet, past the ore. At the time a [illegible] bottom of [illegible] office agreement was of the opinion should be the contact zone and the ore ran thru. Under this [illegible] were [illegible] to come back to the ore and drift each way on the vein keeping the contact until an hour longing until. If the ore should continue to show, we were to continue the [illegible] drift as well as the right, by [illegible] [illegible] were left to not pull over 3 rounds in a [illegible] time.

The first two blasts, one in each direction [illegible] the ore to improve in both directions and today this [illegible] was completely mined out and [illegible] for getting in the [illegible] and [illegible].

Conditions for operating the development are that has been about [illegible] which may be about more [illegible] on the drift. In other words we are [illegible] the development as this time for a later [illegible] if so desired.

Weather has been rainy and snowy, with four inches of snow at the Bunkie portal on Sunday October 30th. Roads are fair but at times quite muddy and slick.

A new compressor was put into use the first day of drilling and has been in use continuously since. While [illegible] other repairs for the last compressor. Two hoists are on hand for this larger compressor and when final repairs are completed in [illegible], the work may be speeded up or what is we are slightly hindered for air at times. [illegible] to the drill [illegible] the [illegible] present.

[illegible] from the office we at the mine today and for [illegible] on the advancement are to stand in the [illegible] bar [illegible]. 50.7 feet of green ore and 9' of drift on the ore.

Yours very truly,

[illegible], Contractor [signature]
Robert [illegible], [illegible] [signature]

RECEIVED
NOV 3 1 1955

[illegible]
[illegible]

[illegible]
[illegible]
[illegible]

[illegible]
[illegible]

Gentlemen:

[illegible]

1954

N

[illegible]

[illegible]

[illegible]

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

~~WASHINGTON 25, D.C.~~
So. 157 Howard Street
Spokane 4, Washington

RECEIVED
NOV 28 1955

November 25, 1955

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

Re: Docket No. DMEA-2123 (lead-zinc)
Pacific Northwest Mining Company
Lucile Mine
Stevens County, Washington
Contract No. Idm-E228

Dear Mr. Selfridge:

Enclosed is a memorandum by Donald F. Kellum reporting two assays that should be added to the map accompanying his inspection report of October 28, 1955.

Sincerely yours,

Verne C. Fryklund, Jr.

Verne C. Fryklund, Jr.
For: A. E. Weissenborn
Executive Officer, DMEA
Field Team, Region I, NW Dist.

Enclosure

cc: USBM (2)
USBM (AD)
Kellum

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
~~WASHINGTON 25, D.C.~~
So. 157 Howard Street
Spokane 4, Washington

RECEIVED
NOV 28 1955

November 25, 1955

MEMORANDUM

To: DMEA Field Team, Region I, Northwest District

From: Donald F. Kellum, Geologist, U. S. Geological Survey

Subject: Interim Inspection Report of October 28, 1955, Docket No. DMEA-2123 (lead-zinc), Pacific Northwest Mining Co., Lucile Mine, Stevens Co., Washington, Contract No. Idm-E228.

Listed below are assay results of sampling of the lead-zinc showing at the phyllite contact on the 3414 level (see map submitted with above inspection report):

	Au	Oz. Ag	% Pb	% Zn	
1) N. side crosscut 4.5' vein width	Tr	1.3	2.7	7.4	//
2) S. side crosscut 3' vein width	Tr	3.9	8.6	8.6	//

Distribution:

DMEA (orig. & 3)
USBM (2)
USBM (AD)
Docket
Kellum

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

1201 N. Division St.
Spokane 2, Washington
November 23, 1955

RECEIVED
DEC - 5 1955

MEMORANDUM

To: DMEA Field Team, Region I, Northwest District

From: M. R. Lickes, Mining Engineer, Bureau of Mines

Subject: Interim inspection, Docket No. DMEA-2123 (lead-zinc), Lucile Mine, Pacific Northwest Mining Company, Stevens County, Washington, Contract No. Idm-E228 (Amended)

The Lucile mine was inspected on November 22. Mr. S. W. Zoldok, Mining Engineer, Bureau of Mines, and Wm. Koski, mining contractor, accompanied me on the inspection. Because of heavy, early snow the road to the mine was inaccessible by a jeep station wagon with chains, and the last 2½ miles were traversed on foot.

Mr. Koski and Mr. Robert Rukke, vice-president of the Pacific Northwest Mining Company, were contacted in Northport on Monday evening, the 21st. They had brought to town the rented compressor they had been using at the mine and advised us that the company's compressor has been repaired and will be used when work is resumed. Work will not be resumed until the weather moderates, and if present weather and road conditions persist through the winter a recess until spring will be advisable.

The north drift has been advanced 19.5 feet for a total length of 24 feet; the south drift has been advanced 13.5 feet for a total length of 18 feet. The marble-phyllite contact is in the center of both drifts, but the strong lead-zinc mineralization that was found at the intersection of the adit crosscut with the drifts does not persist and only minor mineralization was seen in the faces.

Mr. Koski was advised to concentrate all efforts on the south drift and in the event that further drifting to the south along the contact does not encounter ore, it is possible that further exploration should be done starting at a point 30 feet east of the contact where a pod of ore was intersected by the crosscut. This mineralization might be the downward extension of the No. 2 or north ore shoot exposed on the surface.

M. R. Lickes

M. R. Lickes

Orig. & 3 cys - Wash.
USGS (2)
DMEA
M/D
AD
MRL/he

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

RECEIVED
NOV 8 1955

1201 N. Division St.
Spokane 2, Washington
November 2, 1955

MEMORANDUM

To: DMEA Field Team, Region I, Northwest District

From: M. R. Lickes, Mining Engineer, Bureau of Mines

Subject: Interim inspection, Docket No. DMEA-2123 (lead-zinc), Lucile Mine, Pacific Northwest Mining Co., Stevens County, Washington, Contract No. Idm-E228 (Amended)

An inspection of the Lucile mine was made on November 1, 1955. Mr. Robert Rukke and Mr. William Clark were present during the inspection. Mr. Wm. Koski, subcontractor who is driving the drift, was visiting the property but was unable to work because he is recovering from injuries sustained in a recent automobile accident.

The face of the adit crosscut is at USBM 420 + 87 for an advance under the Amended Contract of 50.7 feet. At USBM 420 + 47 drifts north and south along the contact have been started by slabbing, each drift being 4.5 feet in from the crosscut. No timber has been set nor is any deemed necessary in the footage completed.

A 6-inch sheet of lead, silver, and zinc mineralization is present on the westernmost side of both drifts, and thin seams containing predominantly sphalerite occupy an area immediately east, making a total thickness of ore averaging 4.5 feet. The north drift was sampled, the rock from the 6-inch sheet being collected separately from that of the remainder of the face.

Mr. Rukke reported that officials of the Goldfield Consolidated Mines Co. mill, 17 miles south of the Lucile, had visited the mine and would like to mill the ore. No basis on which to do this has been agreed upon. Mr. Rukke was advised that, in the event the ore is sold to Goldfield Consolidated, the latter should be advised to deduct DMEA royalty and make payment directly to DMEA, accompanied by settlement sheets showing how its value was ascertained.

M. R. Lickes
M. R. Lickes

ORIG. & 3 cys - Wash.
USGS (2)
DMEA
M/D
AD
MRL/he

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
~~WASHINGTON 25, D.C.~~
So. 157 Howard Street
Spokane 4, Washington

RECEIVED NOV - 8 1955

October 28, 1955

MEMORANDUM

To: DMEA Field Team, Region I, Northwest District

From: Donald F. Kellum, Geologist, U. S. Geological Survey

Subject: Interim Inspection Report, Docket No. DMEA-2123 (lead-zinc), Pacific Northwest Mining Company, Lucile Mine, Stevens County, Washington, Amended Contract No. Idm-E228.

On Tuesday afternoon and Wednesday morning, October 25 and 26, 1955, I made an inspection of the Lucile mine. Mr. Robert Rukke, vice president of the company, and Messrs. William Koski and William Clark, miners contracting for the exploration, were at the property. Work under Stage II of the amended contract has advanced the crosscut a distance of 54 feet and the phyllite-marble contact known to be a mineralized horizon, has been intersected. The last two feet of the final round were bootlegged, and it is likely that the advance for the crosscut will be 56 feet if the remainder of this round is pulled. The present face is at a distance of 534 feet from the portal.

The phyllite member was first intersected at a distance of 501 feet from the portal and is a gradational zone of interbanded marble and phyllite. The basal portion of the contact consists predominantly of drag-folded marble and thin interbeds of phyllite grading to a drag-folded chloritic phyllite containing numerous 1/16 inch to 1 inch marble bands and noticeable amounts of disseminated pyrite at the present face. The strike and dip of the contact are N. 21° E. and 44° W. respectively. An ore zone ranging in thickness from 3 feet to 4.5 feet and roughly parallel to the contact but not extending completely to the back of the crosscut for its full thickness occurs in the marble at the base of the lowest crumpled interbeds of phyllite. The hanging wall of the ore is a bedding plane fault containing about 2 inches of gouge, brecciated marble and phyllite immediately beneath which occurs 1 to 2 inches of fine-grained galena and coarser-grained sphalerite associated with minor amounts of pyrite. This stringer of ore extends completely from back to sill on both sides of the crosscut. The footwall portion of the ore zone

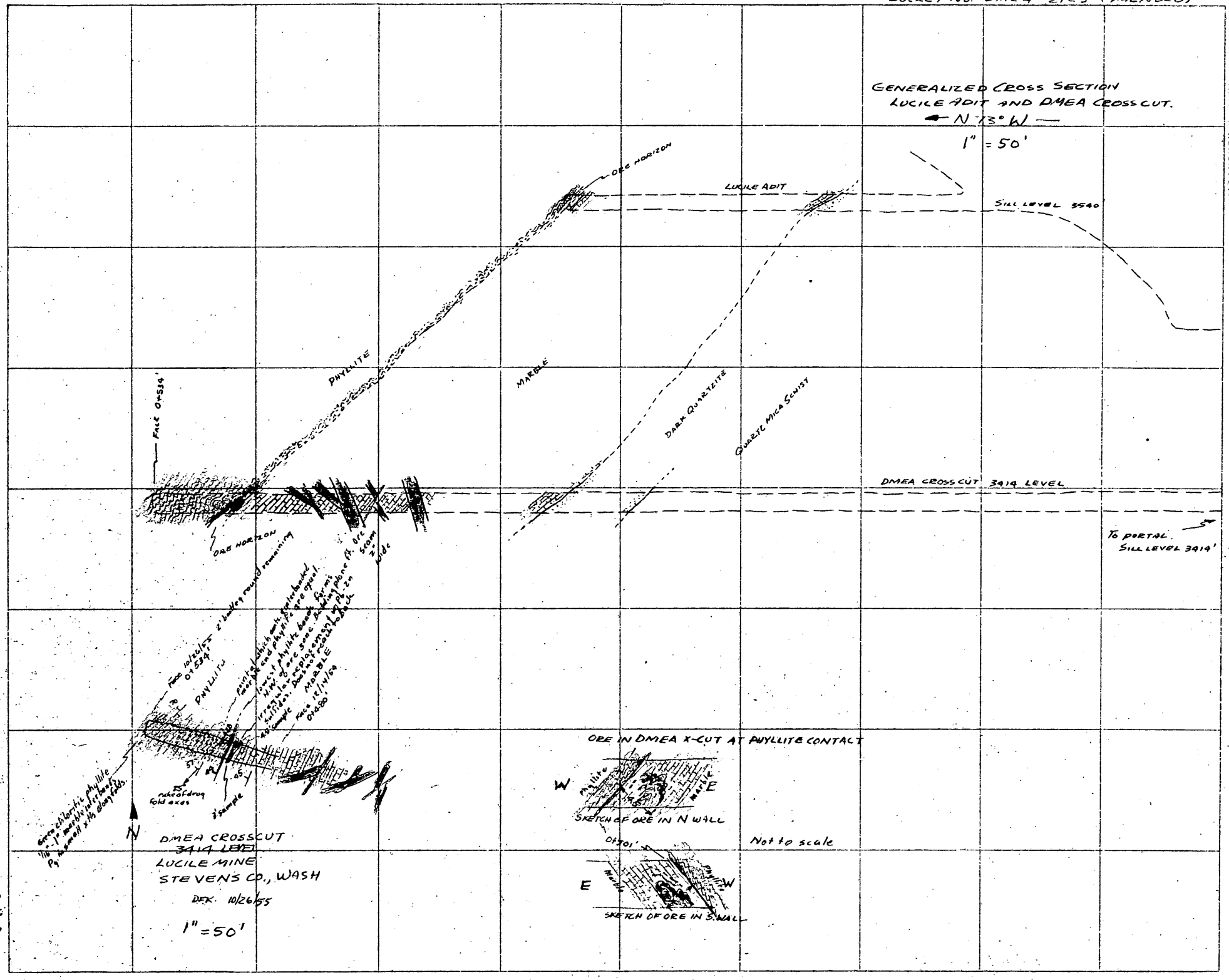
irregular replacement body resembling an anticline in outline and does not extend completely to the back of the crosscut, as is indicated in sketches included with the accompanying map. Samples across the ore zone on both walls of the crosscut were taken and the results of these assays will be included with the next interim report.

Drifting along the phyllite-marble contact both to the north and south has started.

Attachment

Distribution:
DMEA (orig. & 3)
USBM (2)
USBM (AD)
Docket
Kellum

DOCKET NO. DMEA 2123 (AMENDED)



"ALBANENE" NO. 195M K&E CO., N.Y.
REG. U.S. PAT. OFF

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

RECEIVED
OCT 24 1955

1201 N. Division St.
Spokane 2, Washington
October 5, 1955

MEMORANDUM

To: DMEA Field Team, Region I, Northwest District

From: M. R. Lickes, Mining Engineer, Bureau of Mines

Subject: Interim inspection, Docket No. DMEA-2123 (lead-zinc) Lucile Mine, Pacific Northwest Mining Co., Stevens County, Washington, Contract No. Idm-E228 (Amended)

On October 4, 1955, I contacted Mr. Robert A. Rukke, vice-president, Pacific Northwest Mining Company, in Northport, Washington. Mr. Rukke accompanied me on an inspection of the Lucile mine.

Mr. Wm. Koski, who has contracted the drifting and crosscutting under the Amended Contract, was moving supplies and a compressor to the mine. Mr. Koski and two workmen, one of whom is Mr. Rukke, had taken living supplies to the Red Top camp, a mile below the Lucile, and plan to live there while completing the contract.

It should be possible to start advancing the crosscut within three or four days.

An inspection of the adit crosscut disclosed that no work has been done since the original contract was terminated. The face of the crosscut is at 480 feet, of which footage the Government has participated in 447 feet. Two measuring points were set: USBM #419 at the portal of the lower Lucile adit, and USBM #420 at 0 + 443.7.

Orig. & 3 cys - Wash.
USGS (2)
DMEA
M/D
AD
MRL/he

M. R. Lickes

M. R. Lickes

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

RECEIVED
OCT 10 1955

1201 N. Division St.
Spokane 2, Washington
September 1, 1955

MEMORANDUM

To: DMEA Field Team, Region I, NW District

From: M. R. Lickes, Mining Engineer, Bureau of Mines

Subject: Final inspection, Docket No. DMEA 2123 (lead-zinc), Pacific Northwest Mining Co., Lucile Mine, Stevens County, Washington, Contract No. Idm-E228

A study of the engineer's and geologist's reports of inspections of the Lucile mine during 1953 and 1954 shows that 447 feet of crosscut was completed up to August 1, 1953, the date of the recess granted by Amendment No. 4 to the contract.

Inasmuch as contract work was not resumed in a manner to complete the project work as required, the contract was terminated as of August 1, 1953 and the effective contract footage remains at 447 feet.

M. R. Lickes

M. R. Lickes

Orig. & 3 cys - Wash.
USGS (2)
DMEA
AD
Turner
MRL/he

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

~~WASHINGTON 25, D.C.~~

1201 N. Division St.
Spokane 2, Washington
January 4, 1955

MEMORANDUM

To: DMEA Field Team, Region II

From: W. S. Anderson, Mining Engineer, Bureau of Mines, and Willard P. Puffett, Geologist, U. S. Geological Survey

Subject: Final inspection, Lucile Mine, Pacific Northwest Mining Co., Stevens County, Washington, Docket No. DMEA 2123 (lead-zinc), Contract No. Idm-E228

The Lucile mine was visited December 14, 1954, by W. P. Puffett, Geological Survey, and A. L. Service and W. S. Anderson, Bureau of Mines. There was no one at the property at the time of the inspection.

The Operator had advanced the crosscut 6 feet since the previous inspection of November 23, 1954, for a total advance of 480 feet. Also, one additional slab round had been pulled in the north wall on the pod of ore described in the report of November 30, for a total advance in slabbing of 5 feet.

There was disseminated sphalerite and galena in the wall but the pod of high grade had pinched out. A sample was cut across the mineralized portion of the wall, and assay results will be included in the final report.

The inventory of supplies and equipment as outlined in the report of November 30, 1954, is the same except for powder, of which there is 150 pounds remaining.

The expiration date of the contract is December 14, 1954, but according to Amendment No. 4 the contract is considered terminated as of August 1, 1953.

W. S. Anderson

W. S. Anderson

Orig. & 3 cys - Wash.
USGS (2)
DMEA
AD
Auditor Turner
WSA/he

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

Budget Bureau No. 42-R1036.5

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

RECEIVED
OCT 10 1955

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of December-December, 1954 Docket No. DMEA 209 Contract No. 1220
Operator's Name Pacific Northwest Mining Company Minerals Zinc-Lead
Address 619-4th Street Thorston, Wash.
Contract Amount, $ 37,284.00 Government Participation: 50 % Amount, $ 18,642.00

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						~~Knowlden~~ Klugescheid
Drilling						
Bulldozing		800.00	800.00	290.00	800.00	1090.00
Crosscutting						Berry
Drifting						
(2) Labor and Supervision:						
Labor	555.60	5017.09	5573.69	409.00	5017.89	4608.89
Supervision	125.00	2650.00	2703.00	750.00	2658.20	1908.20
Technical Services						
(3) Operating Mat'ls. and Supplies: small tools + supplies				52.16	—0—	52.16
Timber	4.59	185.40	189.99	18.82	185.40	204.22
Explosives		852.58	852.58	125.60	852.58	726.98
Pipe		122.03	122.03	122.03	122.03	—0—
Track	20.00	292.58	312.58	98.57	292.58	391.15
gas and oil	140.56	1782.03	1922.38	179.36	1726.40	1606.71
steel		636.96	636.96	58.50	692.37	628.87
(4) ~~Operating Equipment~~: Miscellaneous				105.57	—0—	105.57
Rental		21.63	21.63	21.63	21.63	—0—
Purchase		4491.42	4491.42	462.83	4491.42	4954.25
Depreciation						
(5) Initial Rehabilitation and Repairs		701.62	701.62	222.18	701.62	479.44
(6) New Bldgs., Improvements, etc.		1319.23	1319.23	854.31	1319.23	464.92
(7) Miscellaneous:						
Repairs to Equipment	216.38	505.65	722.03	38.62	505.65	544.27
Sampling and Analysis						
Payroll Taxes	79.83	272.43	352.26	50.99	241.98	292.97
Liability Insurance		338.57	338.57	36.05	285.07	321.12
(8) Contingencies (specify): Property proceeds				2986.00	—0—	2986.00
TOTALS	1141.93	19,990.06	21,130.99	4440.33	19914.05	15473.72

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

Date 12/12/54 *Payee Pacific Northwest Mining Company

Per Robert A. Lukke Title V. President

*When a voucher is signed or receipted in the name of a company or corporation, the name of the person writing the company or corporate name, as well as the capacity in which he signs, must appear. For example: "John Doe Company, per John Smith, Secretary," or "Treasurer," as the case may be.

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

(Instructions on reverse)

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

$ —0—

Signature MJP
(Authorized Certifying Officer)

Date 9-29-55 Vou. No.
(See other side)

adjusted to audit report dated 9-7-55

Check has been received from operator in settlement.

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. E228 in accordance with the terms of the contract.

Signature /S/ Stephen W Zoldok Title Mining Engr Date 9-29-55

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature /S/ Stephen W Zoldok Title Mining Engr Date 9-29-55

MONTHLY REPORT OF OPERATOR

The Operator (Contractor) of an exploration project is required to make a monthly report to the Government through the Regional Executive Officer. This report consists of three parts as follows:

(a) *Form MF-104—Operator's Monthly Report and Voucher.*—This form details expenditures and constitutes a voucher for reimbursing the Operator for the Government's share of costs;

(b) *Form MF-104A—Operator's Unit Cost and Progress Report.*—This is a statistical report of expenditures which shows costs for the various types of operation; and

(c) *Narrative.*—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered must be furnished as an attachment to this Report and Voucher. Wherever possible, the narrative is to be illustrated with maps or sketches showing formations penetrated and location and assays of samples taken as well as advances in workings. In the case of diamond drilling or churn drilling, the location and inclination of holes is to be shown on a map; logs and assays also are to be submitted.

The Monthly Report of Operator should be prepared in an original and four copies all of which must be sent to the Executive Officer of the Region not later than the 15th of the month following.

Preparation of Form MF-104—Operator's Monthly Report and Voucher.—All the applicable spaces in Form MF-104 should be filled in by the Operator, and the Operator or his agent should sign the certification in the lower left corner of the form.

The items of costs are arranged in the order they appear in Article 6 (a) of Form MF-200 (Revised February 1952), however, this form is readily adaptable for use in reporting activities under other contract forms.

Under Item (1) delete words "Short Form" if the contract is a sub-contract under Form MF-200; and delete word "Independent" if the contract reported is on Form MF-200 (A). Also, report work paid for on a unit basis under contract Form MF-200 as though it were performed under an independent contract.

Under Item (2) include labor, supervision and technical services incurred for the exploratory operations. Do not include labor, supervision and technical services used for work performed under items (5) and (6).

Under Item (3) include the costs of material and supplies used in the project other than that used under items (5) and (6).

Under Item (4) appear the three types of operating equipment expenditures, that is, rental, purchase and depreciation. The expenditures made for renting equipment belonging to a third party will be reported under "Rental". The amount paid or duly obligated for payment for the purchase of equipment will be reported under "Purchase". The amount of expenditures due the Operator to reimburse him for depreciation of equipment owned will be reported under "Depreciation".

Item (5) comprises costs of labor, supervision, technical services, materials, etc., which are used in the initial rehabilitation and repair of existing buildings, installations, fixtures, and equipment. These costs, therefore, should not be reported under items (2) and (3).

Item (6) includes the labor, supervision, technical services, materials, etc., used in the installation or construction of new buildings, fixed improvements, etc., necessary for the project. These costs, therefore, should not be reported under items (2) and (3).

Item (7) covers miscellaneous types of expenditure such as payroll taxes, liability insurance, workmen's compensation insurance, repairs to equipment and sampling and analysis. Only that part of payroll taxes, liability insurance and workmen's compensation which are paid by the operator should be reported under item (7). The share paid by the employee as a payroll deduction is to be included under item (2) as labor costs.

Item (8) includes any unforeseen costs not included in the other seven categories.

The original of Form MF-104 when submitted for reimbursable expenses incurred under contract Form MF-200 must be supported by original documentation or by certified copies of purchase orders, payrolls or transcripts of payrolls, unless such documentation has been waived by the Regional Executive Officer. This certification may be stated thus, "Certified True Copy (or Transcript)", followed by appropriate signature. If the Executive Officer of the Region determines that a contract under Form MF-200 should have an "on-site" audit, that is, a Government auditor should make an audit of the Operator's books and records of account, the Operator need not support his monthly voucher with original or certified documents except in cases of equipment purchases whose individual costs exceed $50.00. In these cases the original or a certified copy of the purchase order or invoice should be attached to the Monthly Voucher. N. B.—Only the *original* of Form MF-104 is required to be documented. The four copies of Form MF-104 are not to be thus supported.

Form MF-104 submitted for reimbursement under fixed price contracts on Form MF-200 (A), however, are not required to be supported by documentation of any kind. The Operator will submit his claim under item (1) of Form MF-104 by deleting as stated above the word "Independent" and by showing the number of feet or other units immediately after the appropriate descriptive word, such as, drilling, bulldozing, crosscutting, drifting, etc., and giving the "Monthly Total" amount due. "Totals Previously Reported", and "Totals to Date" columns should also be filled in.

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

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

Month of Nov.Dec. 195 4 Docket No. DMEA 2123 Contract No. E228
Operator's Name Pacific Northwest Mining Company Minerals lead-zinc
Address 619-4th. Street Bremerton, Wash.

OPERATION	Unit	Costs This Month	Units This Month	Costs to Date	Units to Date	Unit Costs to Date	Authorized by Contract: Units	Authorized by Contract: Unit Costs
Drifting		1141.96	23	13,827.71	498	27.76		
Crosscutting								
Raising								
Shafts								
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping				800.00	70%	11.42		
Trenching								
Test Pits								
Roads and Trails								
Total Distributed Costs		1141.96	14,627.71					Total Costs Authorized by Contract
Operating Equipment Purchased			4,491.42					
Initial Rehabilitation and Repairs			701.62					
New Buildings, Improvements, etc.			1,319.23					
Total Costs		1141.96	21,139.98					

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

Date Dec.18,1954 Operator Pacific Northwest Mining Co.

Per Robert A. Fukke Title V.President

Robert A. Fukke

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

(Instructions on reverse)

Remarks:

(For Government use only)

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
APR 10 1955

Payment being held up until status of future work is determined.
No narrative received.

INSTRUCTIONS

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

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

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

GPO 872894

Brainard

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

1201 N. Division St.
Spokane 2, Washington
November 30, 1954

MEMORANDUM

To: DMEA Field Team, Region II

From: W. S. Anderson, Mining Engineer, Bureau of Mines

Subject: Routine inspection, Pacific Northwest Mining Co., Lucile Mine, Stevens County, Washington, Contract No. Idm-E228, Docket No. DMEA 2123 (lead-zinc)

The Lucile mine was visited November 23, 1954, accompanied by Alfred Service, mining engineer, Bureau of Mines. There was no one at the property at the time of the visit.

The face of the crosscut is at USBM #207 + 111.5 feet, for a total advance under the contract of 474 feet. The Operator pulled a slab round in the north wall of the crosscut 13 feet back from the face, as shown on the attached sketch. A small pod of high-grade lead-zinc ore was exposed in the wall; it had a maximum width of 6 inches. There were disseminated sulphides in the marbleized limestone adjacent to the pod of ore. A sample was cut across the ore; assay results will be submitted with the next report.

As the contract specifies the work must be completed by December 14, 1954, and no work was being done, an inventory was taken of supplies and equipment at the property as follows:

Serial No.	Description	Cost
23045	Joy shovel loader	$3095.00
694	Air receiver - 36"x72"	256.31
	1 mine car	100.00
J28379	Gardner-Denver water pump, Model AB 35	Company owned
28071	Chicago Pneumatic 315 cfm compressor	" "
	200# Atlas Giant Gelodyn No. 3 45% powder	
	1 - 6' 3/4" hex steel	
	1 line oiler	
	350 ft. - 3" pipe	
	80 ft. - 2" "	
	200 ft. - 1" "	

Serial No.	Description	Cost
	214 ft. - 6" vent pipe	
	13 - 3" couplings	
	2 - 3" reducers	
	5 rail switches	
	1028 ft. - 12# rail	

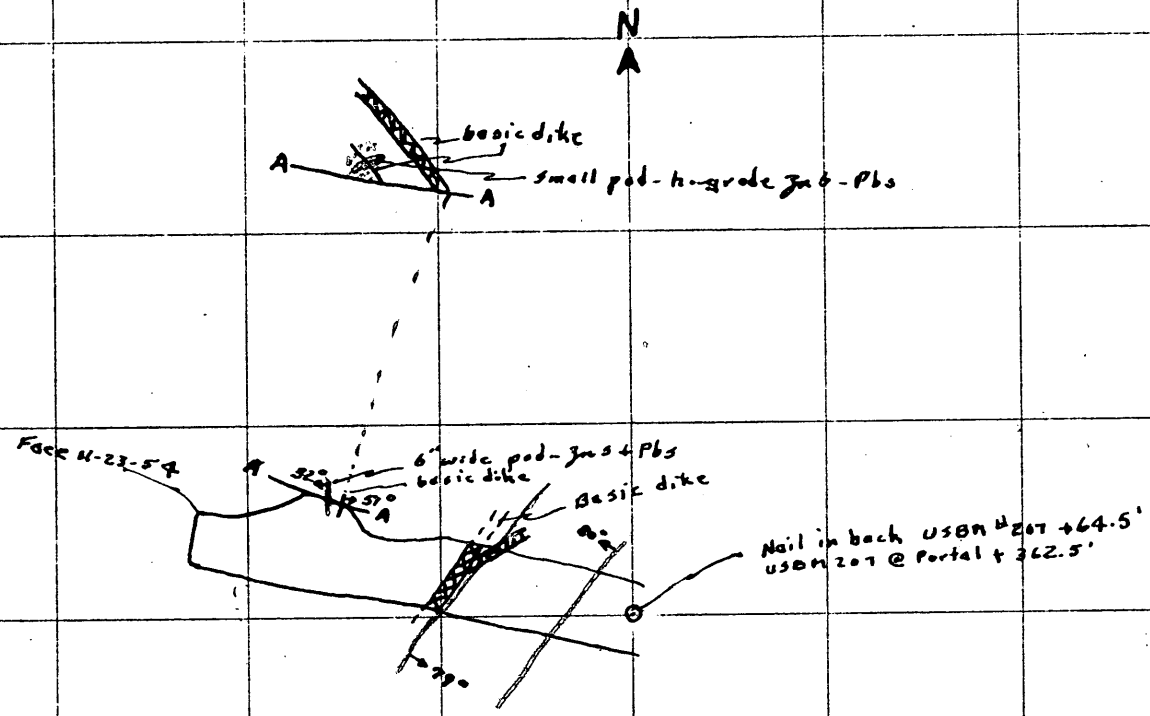
The two rock drills, pneumatic pusher leg, raising feed and rotary grinder which were purchased under the contract were not at the property.

The Lucile mine will be inspected on December 14, 1954 to check as to whether any additional work has been completed.

W. S. Anderson

W. S. Anderson

Orig. & 3 cys - Wash.
USGS (2)
DMEA
AD
Auditor Turner
WSA/he



Lucille Mine
Stevens County, Wash.
Contract Idm E228

Scale 1" = 20'

"ALBANENE" NO. 195M K&E CO., N.Y.
REG. U.S. PAT. OFF.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

~~WASHINGTON 25, D.C.~~

1201 N. Division St.
Spokane 2, Washington
November 10, 1954

MEMORANDUM

To: DMEA Field Team, Region II

From: W. S. Anderson, Mining Engineer, Bureau of Mines

Subject: Docket No. DMEA 2123 (lead-zinc), Contract Idm-E228, Pacific Northwest Mining Co., Lucile Mine, Stevens County, Washington

The subject property has been visited at monthly intervals to check the progress of work under the exploration project contract. There has been sporadic advance in the crosscut at the Lucile mine until September 1954. Since September 8, 1954 there has been no advance.

Inasmuch as the contract expiration date is December 14, 1954 it is recommended that the completion time not be extended unless the Operator places the project on a full-time basis prior to the expiration date.

In his monthly MF-104 the Operator has been submitting charges for supervision which are considered in excess of what should be allowed. The contract authorizes $500/mo. for a supervisor-engineer. As there has been no engineer on the payroll during the last year it is recommended that the supervisor's salary be prorated on a footage basis. The average advance should be 4 feet per shift for a 26-day month for a total of 104 feet. Prorating the advance and the supervisor's salary of $500/mo., the allowance for supervision should be $4.81/ft.

W. S. Anderson

W. S. Anderson

Orig. & 3 cys - Wash.
USGS (2)
DMEA
M/D
AD
WSA/he

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

4

Budget Bureau No. 42-R1036.5

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

RECEIVED
OCT 10 1955

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of September, 1954 Docket No. DMEA 2122 Contract No. D 220
Operator's Name Pacific Northwest Mining Co. Minerals Lead-Zinc
Address 630-16th St. Bremerton, Wash.
Contract Amount, $37,[illegible].00 Government Participation: 50 % Amount, $10,642.00

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling						
Bulldozing		600.00	600.00			
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor	21.00	1993.00	2017.00			
Supervision	128.00	2523.00	2651.00			
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber		128.40	128.40			
Explosives		622.50	622.50			
Pipe		122.00	122.00			
Track		292.00	292.00			
Gas and Oil		1722.00	1722.00			
(4) Operating Equipment:						
Rental		21.00	21.00			
Purchase		1450.40	1450.40			
Depreciation						
(5) Initial Rehabilitation and Repairs		781.60	781.60			
(6) New Bldgs., Improvements, etc.		2320.20	2320.20			
(7) Miscellaneous:						
Repairs to Equipment	22.00	402.00	424.00			
Sampling and Analysis						
Payroll Taxes		272.45	272.45			
Liability Insurance		222.57	222.57			
(8) Contingencies (specify):						
TOTALS	169.60	12,663.42	12,833.02	169.60	19744.45	19914.05

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

Date 10/1/54 *Payee Pacific Northwest Mining Company

Per Robert A. Rukke Title V. President

*When a voucher is signed or receipted in the name of a company or corporation, the name of the person writing the company or corporate name, as well as the capacity in which he signs, must appear. For example: "John Doe Company, per John Smith, Secretary," or "Treasurer," as the case may be.

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

(Instructions on reverse)

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

$ —o—

Signature M. A. P.
(Authorized Certifying Officer)

Date 9-29-55 Vou. No.
(See other side)

Taken into account in adjusting to audit report dated 9-7-55 on Nov-Dec. 1954 MF 104

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. E228 in accordance with the terms of the contract.

Signature Stephen W Zoldok Title Mng Engr Date 9-29-55

Note by Zoldok: Do be adjusted to audit report

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

151 Signature Stephen W Zoldok Title Mining Engr Date 9-29-55

MONTHLY REPORT OF OPERATOR

The Operator (Contractor) of an exploration project is required to make a monthly report to the Government through the Regional Executive Officer. This report consists of three parts as follows:

(a) *Form MF-104—Operator's Monthly Report and Voucher.*—This form details expenditures and constitutes a voucher for reimbursing the Operator for the Government's share of costs;

(b) *Form MF-104A—Operator's Unit Cost and Progress Report.*—This is a statistical report of expenditures which shows costs for the various types of operation; and

(c) *Narrative.*—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered must be furnished as an attachment to this Report and Voucher. Wherever possible, the narrative is to be illustrated with maps or sketches showing formations penetrated and location and assays of samples taken as well as advances in workings. In the case of diamond drilling or churn drilling, the location and inclination of holes is to be shown on a map; logs and assays also are to be submitted.

The Monthly Report of Operator should be prepared in an original and four copies all of which must be sent to the Executive Officer of the Region not later than the 15th of the month following.

Preparation of Form MF-104—Operator's Monthly Report and Voucher.—All the applicable spaces in Form MF-104 should be filled in by the Operator, and the Operator or his agent should sign the certification in the lower left corner of the form.

The items of costs are arranged in the order they appear in Article 6 (a) of Form MF-200 (Revised February 1952), however, this form is readily adaptable for use in reporting activities under other contract forms.

Under Item (1) delete words "Short Form" if the contract is a sub-contract under Form MF-200; and delete word "Independent" if the contract reported is on Form MF-200 (A). Also, report work paid for on a unit basis under contract Form MF-200 as though it were performed under an independent contract.

Under Item (2) include labor, supervision and technical services incurred for the exploratory operations. Do not include labor, supervision and technical services used for work performed under items (5) and (6).

Under Item (3) include the costs of material and supplies used in the project other than that used under items (5) and (6).

Under Item (4) appear the three types of operating equipment expenditures, that is, rental, purchase and depreciation. The expenditures made for renting equipment belonging to a third party will be reported under "Rental". The amount paid or duly obligated for payment for the purchase of equipment will be reported under "Purchase". The amount of expenditures due the Operator to reimburse him for depreciation of equipment owned will be reported under "Depreciation".

Item (5) comprises costs of labor, supervision, technical services, materials, etc., which are used in the initial rehabilitation and repair of existing buildings, installations, fixtures, and equipment. These costs, therefore, should not be reported under items (2) and (3).

Item (6) includes the labor, supervision, technical services, materials, etc., used in the installation or construction of new buildings, fixed improvements, etc., necessary for the project. These costs, therefore, should not be reported under items (2) and (3).

Item (7) covers miscellaneous types of expenditure such as payroll taxes, liability insurance, workmen's compensation insurance, repairs to equipment and sampling and analysis. Only that part of payroll taxes, liability insurance and workmen's compensation which are paid by the operator should be reported under item (7). The share paid by the employee as a payroll deduction is to be included under item (2) as labor costs.

Item (8) includes any unforeseen costs not included in the other seven categories.

The original of Form MF-104 when submitted for reimbursable expenses incurred under contract Form MF-200 must be supported by original documentation or by certified copies of purchase orders, payrolls or transcripts of payrolls, unless such documentation has been waived by the Regional Executive Officer. This certification may be stated thus, "Certified True Copy (or Transcript)", followed by appropriate signature. If the Executive Officer of the Region determines that a contract under Form MF-200 should have an "on-site" audit, that is, a Government auditor should make an audit of the Operator's books and records of account, the Operator need not support his monthly voucher with original or certified documents except in cases of equipment purchases whose individual costs exceed $50.00. In these cases the original or a certified copy of the purchase order or invoice should be attached to the Monthly Voucher. N. B.—Only the *original* of Form MF-104 is required to be documented. The four copies of Form MF-104 are not to be thus supported.

Form MF-104 submitted for reimbursement under fixed price contracts on Form MF-200 (A), however, are not required to be supported by documentation of any kind. The Operator will submit his claim under item (1) of Form MF-104 by deleting as stated above the word "Independent" and by showing the number of feet or other units immediately after the appropriate descriptive word, such as, drilling, bulldozing, crosscutting, drifting, etc., and giving the "Monthly Total" amount due. "Totals Previously Reported", and "Totals to Date" columns should also be filled in.

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

RECEIVED
OCT 10 1955

Month of September 1954 Docket No. DMEA 223 Contract No. 220
Operator's Name Pacific Northwest Mining Co. Minerals Lead-zinc
Address [illegible]

OPERATION	Unit	Costs This Month	Units This Month	Costs to Date	Units to Date	Unit Costs to Date	Authorized by Contract: Units	Authorized by Contract: Unit Costs
Drifting		169.60	none	13105.75	475	28.39		
Crosscutting								
Raising								
Shafts								
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping				900.00	73	12.12		
Trenching								
Test Pits								
Roads and Trails								
Total Distributed Costs		169.60	13105.75					Total Costs Authorized by Contract
Operating Equipment Purchased			421.12					
Initial Rehabilitation and Repairs			211.42					
New Buildings, Improvements, etc.			1210.42					
Total Costs		169.60	15000.32					

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

Date 10/5/54 Operator Pacific Northwest Mining Co.
Per Robert A. Rukke Title V. President
Robert A. Rukke

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

(Instructions on reverse)

Remarks:

(For Government use only)

INSTRUCTIONS

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

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

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

GPO 872894

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
~~WASHINGTON 25, D.C.~~
So. 157 Howard Street
Spokane 4, Washington

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT 18 - 1954

October 15, 1954

Memorandum

To: DMEA Field Team, Region II

From: Willard P. Puffett, Geologist, U. S. Geological Survey

Subject: Routine inspection, Docket No. DMEA-2123 (lead-zinc) Pacific Northwest Mining Company, Lucile mine, Stevens County, Washington, Contract No. Idm-E228

On Thursday morning, October 14, 1954, I made a routine inspection of the Lucile mine. No one was at the property. The only work that had been done since the last routine inspection on September 8, 1954, was removal of broken rock near the face and an attempt had been made to square up the face. It appeared to be a very unsatisfactory attempt, as the face is now in worse conditions than before. Apparently the operator redrilled the lifters and blasted them so that now there is quite a hole near the bottom of the face, and rock has been blasted some distance below the normal sill level. Some work has been done in bulldozing on the road to the portal.

According to Amendment No. 4 to the contract, work is to be completed within 36 months from the date of the contract. Thus, the termination date is now December 14, 1954. In all probability very little additional work will be accomplished by this termination date.

The projected position of the phyllite-limestone contact, toward which the crosscut is being extended, is some 15 to 20 feet in front of the face. It will be unfortunate if insufficient work is completed by December 14, 1954, to intersect this contact. Therefore, if the contract is to be terminated, it is recommended that some sort of lien, in lieu of a Certification of Discovery or Development, be placed on the property for that amount which the Government has contributed to the completed work. The justification for this is that work now done has nearly reached one of the objectives of the project, and the operators could easily reach this objective on their own account after the contract time has elapsed.

Distribution:
DMEA (Orig. & 3)
USBM (2)
Docket
Puffett

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

Budget Bureau No. 42-R1036.5

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

RECEIVED
OCT 10 1955

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of August, 195 Docket No. DMEA 123 Contract No. 1220
Operator's Name Pacific Northwest Mining Company Minerals Manganese
Address 519-4th Street, Pennsylvania
Contract Amount, $7,222.00 Government Participation: 50 % Amount, $ 10,000.00

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling						
Bulldozing		800.00	800.00		800.00	800.00
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor	181.50	4812.39	4993.89	181.50	4812.39	4993.89
Supervision	250.00	2283.20	2533.20	250.00	2283.20	2533.20
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber		185.40	185.40		185.40	185.40
Explosives	116.78	735.80	852.58	116.78	735.80	852.58
Pipe		122.03	122.03		122.03	122.03
Track steel	35.00	257.58	292.58	35.00	257.58	292.58
Gas and oil	55.41	636.96	692.37	55.41	636.96	692.37
		1726.40	1726.40		1726.40	1726.40
(4) Operating Equipment:						
Rental	21.63	0.00	21.63	21.63	—0—	21.63
Purchase		4491.42	4491.42		4491.42	4491.42
Depreciation						
(5) Initial Rehabilitation and Repairs		701.62	701.62		701.62	701.62
(6) New Bldgs., Improvements, etc.		1319.23	1319.23		1319.23	1319.23
(7) Miscellaneous:			485.05			
Repairs to Equipment	39.18	445.87	485.05	39.18	445.87	485.05
Sampling and Analysis						
Payroll Taxes		241.98	241.98		241.98	241.98
Liability Insurance		285.07	285.07		285.07	285.07
(8) Contingencies (specify):						
TOTALS	699.50	19,123.02	19,822.52	699.50	19,044.95	19,744.45

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

Date 9-29-55 *Payee Pacific Northwest Mining Co.
Robert A Rubke
Per Robert A. Rubke Title President

*When a voucher is signed or receipted in the name of a company or corporation, the name of the person writing the company or corporate name, as well as the capacity in which he signs, must appear. For example: "John Doe Company, per John Smith, Secretary," or "Treasurer," as the case may be.

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

(See instructions on reverse)

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

$ —0—

Signature MAP
(Authorized Certifying Officer)

Date 9-29-55 Vou. No.
(See other side)

Taken into account in adjusting to audit report dated 9-7-55 on non-Dec. 1954 MF104

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. E228 in accordance with the terms of the contract.

Signature 1S/ Webster L Anderson Title Mining Engr Date 9-13-54

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature 1S/ Stephen W Zoldok Title Mining Engr Date 9-14-54

MONTHLY REPORT OF OPERATOR

The Operator (Contractor) of an exploration project is required to make a monthly report to the Government through the Regional Executive Officer. This report consists of three parts as follows:

(a) *Form MF-104—Operator's Monthly Report and Voucher.*—This form details expenditures and constitutes a voucher for reimbursing the Operator for the Government's share of costs;

(b) *Form MF-104A—Operator's Unit Cost and Progress Report.*—This is a statistical report of expenditures which shows costs for the various types of operation; and

(c) *Narrative.*—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered must be furnished as an attachment to this Report and Voucher. Wherever possible, the narrative is to be illustrated with maps or sketches showing formations penetrated and location and assays of samples taken as well as advances in workings. In the case of diamond drilling or churn drilling, the location and inclination of holes is to be shown on a map; logs and assays also are to be submitted.

The Monthly Report of Operator should be prepared in an original and four copies all of which must be sent to the Executive Officer of the Region not later than the 15th of the month following.

Preparation of Form MF-104—Operator's Monthly Report and Voucher.—All the applicable spaces in Form MF-104 should be filled in by the Operator, and the Operator or his agent should sign the certification in the lower left corner of the form.

The items of costs are arranged in the order they appear in Article 6 (a) of Form MF-200 (Revised February 1952), however, this form is readily adaptable for use in reporting activities under other contract forms.

Under Item (1) delete words "Short Form" if the contract is a sub-contract under Form MF-200; and delete word "Independent" if the contract reported is on Form MF-200 (A). Also, report work paid for on a unit basis under contract Form MF-200 as though it were performed under an independent contract.

Under Item (2) include labor, supervision and technical services incurred for the exploratory operations. Do not include labor, supervision and technical services used for work performed under items (5) and (6).

Under Item (3) include the costs of material and supplies used in the project other than that used under items (5) and (6).

Under Item (4) appear the three types of operating equipment expenditures, that is, rental, purchase and depreciation. The expenditures made for renting equipment belonging to a third party will be reported under "Rental". The amount paid or duly obligated for payment for the purchase of equipment will be reported under "Purchase". The amount of expenditures due the Operator to reimburse him for depreciation of equipment owned will be reported under "Depreciation".

Item (5) comprises costs of labor, supervision, technical services, materials, etc., which are used in the initial rehabilitation and repair of existing buildings, installations, fixtures, and equipment. These costs, therefore, should not be reported under items (2) and (3).

Item (6) includes the labor, supervision, technical services, materials, etc., used in the installation or construction of new buildings, fixed improvements, etc., necessary for the project. These costs, therefore, should not be reported under items (2) and (3).

Item (7) covers miscellaneous types of expenditure such as payroll taxes, liability insurance, workmen's compensation insurance, repairs to equipment and sampling and analysis. Only that part of payroll taxes, liability insurance and workmen's compensation which are paid by the operator should be reported under item (7). The share paid by the employee as a payroll deduction is to be included under item (2) as labor costs.

Item (8) includes any unforeseen costs not included in the other seven categories.

The original of Form MF-104 when submitted for reimbursable expenses incurred under contract Form MF-200 must be supported by original documentation or by certified copies of purchase orders, payrolls or transcripts of payrolls, unless such documentation has been waived by the Regional Executive Officer. This certification may be stated thus, "Certified True Copy (or Transcript)", followed by appropriate signature. If the Executive Officer of the Region determines that a contract under Form MF-200 should have an "on-site" audit, that is, a Government auditor should make an audit of the Operator's books and records of account, the Operator need not support his monthly voucher with original or certified documents except in cases of equipment purchases whose individual costs exceed $50.00. In these cases the original or a certified copy of the purchase order or invoice should be attached to the Monthly Voucher. N. B.—Only the *original* of Form MF-104 is required to be documented. The four copies of Form MF-104 are not to be thus supported.

Form MF-104 submitted for reimbursement under fixed price contracts on Form MF-200 (A), however, are not required to be supported by documentation of any kind. The Operator will submit his claim under item (1) of Form MF-104 by deleting as stated above the word "Independent" and by showing the number of feet or other units immediately after the appropriate descriptive word, such as, drilling, bulldozing, crosscutting, drifting, etc., and giving the "Monthly Total" amount due. "Totals Previously Reported", and "Totals to Date" columns should also be filled in.

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

RECEIVED
OCT 10 1955

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of August 4 195[illegible] Docket No. DMEA 2[illegible] Contract No. [illegible]
Operator's Name Pacific Northwest Mining Co. Minerals [illegible]
Address 619-4th Street, Bremerton, Wash.

OPERATION	Unit	Costs This Month	Units This Month	Costs to Date	Units to Date	Unit Costs to Date	Authorized by Contract: Units	Authorized by Contract: Unit Costs
Drifting		699.50	15	[illegible]	475	[illegible]		
Crosscutting				13,316.15		28.33		
Raising								
Shafts								
Winzes								
Drilling: Core								
Churn								
Auger				000.00	703	22.42		
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Total Distributed Costs		699.50	13,316.15				Total Costs Authorized by Contract	
Operating Equipment Purchased			492.42					
Initial Rehabilitation and Repairs			701.66					
New Buildings, Improvements, etc.			1312.23					
Total Costs		699.50	15,822.46					

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

Date 9/4/54 Operator Pacific Northwest Mining Co.

Per Robert A. Rikke Title V. President

Remarks:

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

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

GPO 872894

Northport, Washington
October 9, 1954

RECEIVED
OCT 10 1955

United States Department of the Interior
Defense Minerals Exploration Administration
Spokane, Wash/

RE: Lucille Mine--DMEA 2123--E228

Gentlemen:

Although there was no further footage for this month we did try. We did however get the missed lifters on the last round cleared away so that the next face drilling will be on an even basis.

On September 7th, I attempted to go to work at the Lucille but busted the gas tank on my car on a protruding rock.

On September 14th we were ready to go to work again when we shorted out the starter on the compressor due to porcupines having chewed thru a cable and this in turn burned out the starter. With the engine in need of a new head at this time it was impossible to get the machine started. It took approximately one week to get the starter back from the repair shopin Spokane. (Spokane Armature). On September 20th rather than risk my car over the roads as they then were we took the four wheel drive rig and this in turn threw a ~~rend~~ rod a short distance above the Red Top portal. We had to walk home.

On September 24th we replaced the starter and found two more Porcupines in our traps and they in turn had turned the battery box over and chewed up all the cables on the batteries shorting these two out so we were again stymied. These have since been brought into town and recharged and the new cables replaced. However, I have been unable to get back to the Lucille to do any further work.

During the month of September we had the road from the Red Top to the Lucille bulldozed out so that a car can travel in safety from R. Top to the portal. Further work was done with bulldozer to make all roads for turning around, etc. in shape for the coming winter. The bill on this work has not as yet been submitted to us so we are unable to turn this in until next month. This was a necessity if we are to continue any work the next two months.

We are expecting our funds to be released soon as only one or two creditors have so far failed to go along with us and they have been called on again with very likely results. The state has agreed to continue along with us and any day I am expecting word from the home office so that work can go on steadily.

When Mr. Steyer contacted your office some time ago it was understood that the funds due Pacific Northwest from DMEA would be paid very shortly. This would carry us on right now for a full month ~~tx~~ if so released and we could complete the drift to the contact zone and then come back and start the two crossdrifts called for. This work could and would be done at once if these funds were available while we are awaiting our release of funds from the state. The weather is o.k. not but later will be more difficult. Isn't it possible that these funds could be paid now and thus allow us to continue full time or nearly so on our contract??

I have the men ready to go to work if the funds are released and paid by DMEA

Yours very truly,

/s/ Robert A. Rukke, V. President
Pacific Northwest Mining Co.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

~~WASHINGTON 25, D.C.~~
1201 N. Division St.
Spokane 2, Washington
September 17, 1954

OCT-8 1954

MEMORANDUM

To: DMEA Field Team, Region II

From: W. S. Anderson, Mining Engineer, U. S. Bureau of Mines, and Willard P. Puffett, Geologist, U. S. Geological Survey

Subject: Routine inspection, Pacific Northwest Mining Company, Lucile mine, Stevens County, Washington, Docket No. DMEA 2123 (lead-zinc), Contract Idm-E228

The Lucile mine was visited September 8, 1954. There was no one at the property on the day of the visit.

Mr. Robert Rukke was contacted in Northport, Washington, prior to visiting the mine. Mr. Rukke stated that funds to finance the completion of work under the contract have not been released by the State of Washington. They have informed him that funds will be released if creditors will give the Pacific Northwest Mining Company a year of grace on all accounts payable, and it was Mr. Rukke's belief that the creditors would do this and that funds would soon be available to complete the work under the contract.

Mr. Rukke advised us that Mr. Steyer of Tacoma, Washington, is now president of the Pacific Northwest Mining Company, replacing Mr. Martin Morrison, former president.

An inspection of the crosscut at the Lucile mine was made and there has been 10 feet of advance since the previous inspection of August 4, 1954. Total advance under the contract is 470 feet of crosscut. There was broken rock in the last 15 feet of crosscut as the last round had not been mucked out. Mr. Rukke stated that he had been having difficulty in pulling his rounds as the lifters did not fire. The face is quite wet and it is probable that electric caps would give better results.

In view of the fact that work has been carried on only at sporadic intervals it is recommended that the contract be terminated if the Operator does not have the exploration program on a consistent schedule by November 1, 1954.

Unilateral or mutual?

W. S. Anderson

Orig. & 3 cys - Wash.
USGS (2)
DMEA
M/D
AD—WSA/he

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D.C.
No. 157 Howard Street
Spokane 4, Washington

Original
Betty

August 6, 1954

Memorandum

To: DMEA Field Team, Region II

From: Willard P. Moffett, Geologist, U. S. Geological Survey

Subject: Docket No. DMEA 2125 (lead-zinc), Pacific Northwest Mining Company, Lucile Mine, Stevens County, Washington, Contract No. Lim-1228

On Wednesday morning, August 4, 1954, I visited the Lucile mine. No one was at the property. Inspection of the crosscut showed that no advance had been made since the last inspection on July 9, 1954. A few carloads of broken rock near the face had been removed. There was also a porcupine in a trap beneath the compressor near the entrance to the adit.

Mr. Robert Rukke was contacted in one of the local taverns in Northport, Washington, Wednesday evening. Mr. Rukke reported that on three occasions plans had been made to resume work at the Lucile. On July 10, 1954, workmen arrived at the mine to start advancing the crosscut. They found that someone had maliciously rolled all the filled oil drums down the steep slope below the portal. Investigations by Mr. Rukke soon discovered the culprits and he was successful in having all items returned, with the exception of one oil drum.

After an interval of a few days, more miners arrived to work and found that porcupines had chewed all the wires off the compressor,--hence the trap around the compressor which I noted above. This created an additional delay while the wires were being repaired and replaced.

Finally, apparently, the equipment was put in working order, and removal of broken rock from near the face was started. Mr. Rukke was personally aiding in doing this work. When about the third mine carload of broken rock was being removed by Mr. Rukke, the mine car was accidentally pushed over the dump. For some reason, Mr. Rukke was not able to free himself from the car, and he was thrown down the dump some considerable distance and suffered minor injuries. The mine car is now resting on the hill slope some 1,000 feet below the mine dump. A new mine car has been ordered, and Mr. Rukke reported that plans were to resume work on Thursday, August 5.

The money with which the operators plan to finance the remainder of the contract work is still held in escrow by the State of Washington. While waiting for the release of these funds, Mr. Bobbs reported that he was personally financing the work.

Distribution:
DMRA (orig. & 3)
USBM (2)
Boskert
Puffett

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

Budget Bureau No. 42-R1036.5

RECEIVED
OCT 10 1955

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

Month of Aug, 195 4 Docket No. DMEA [illegible] Contract No. [illegible]
Operator's Name [illegible] Minerals [illegible]
Address [illegible]
Contract Amount, $ [illegible] Government Participation: 50 % Amount, $ [illegible]

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent / Short Form Contracts:						
Drilling						
Bulldozing		[illegible]	[illegible]		800.00	800.00
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor	[illegible]	[illegible]	[illegible]	22.50	4789.89	4812.39
Supervision	[illegible]	[illegible]	[illegible]	125.00	2158.20	2283.20
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber		[illegible]	[illegible]		185.40	185.40
Explosives		[illegible]	[illegible]		735.80	735.80
Pipe		[illegible]	[illegible]		122.03	122.03
Track		[illegible]	[illegible]		257.58	257.58
[illegible]		[illegible]	[illegible]		636.96	636.96
[illegible]		[illegible]	[illegible]		1726.40	1726.40
(4) Operating Equipment:						
Rental						
Purchase		[illegible]	[illegible]		4491.42	4491.42
Depreciation						
(5) Initial Rehabilitation and Repairs		[illegible]	[illegible]		701.62	701.62
(6) New Bldgs., Improvements, etc.		[illegible]	[illegible]		1319.23	1319.23
(7) Miscellaneous:						
Repairs to Equipment		[illegible]	[illegible]		445.87	445.87
Sampling and Analysis						
Payroll Taxes		[illegible]	[illegible]		241.98	241.98
Liability Insurance		[illegible]	[illegible]		285.07	285.07
(8) Contingencies (specify):						
TOTALS	[illegible]	[illegible]	[illegible]	147.50	18897.45	19044.95

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

Date [illegible] *Payee [illegible]

Per [illegible] Title [illegible]

*When a voucher is signed or receipted in the name of a company or corporation, the name of the person writing the company or corporate name, as well as the capacity in which he signs, must appear. For example: "John Doe Company, per John Smith, Secretary," or "Treasurer," as the case may be.

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

(Instructions on reverse)

Taken into account in adjusting to audit report dated 9-7-55 on non-Dec. 1954 MF104

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

$ — o —

Signature [illegible]
(Authorized Certifying Officer)

Date 9-29-55 Vou. No.
(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. 6228 in accordance with the terms of the contract.

Signature /S/ Webster S Anderson Title Mining Eng Date 9-13-54

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature /S/ Stephen W Zoldok Title Mining Eng Date 9-14-54

MONTHLY REPORT OF OPERATOR

The Operator (Contractor) of an exploration project is required to make a monthly report to the Government through the Regional Executive Officer. This report consists of three parts as follows:

(a) *Form MF-104—Operator's Monthly Report and Voucher.*—This form details expenditures and constitutes a voucher for reimbursing the Operator for the Government's share of costs;

(b) *Form MF-104A—Operator's Unit Cost and Progress Report.*—This is a statistical report of expenditures which shows costs for the various types of operation; and

(c) *Narrative.*—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered must be furnished as an attachment to this Report and Voucher. Wherever possible, the narrative is to be illustrated with maps or sketches showing formations penetrated and location and assays of samples taken as well as advances in workings. In the case of diamond drilling or churn drilling, the location and inclination of holes is to be shown on a map; logs and assays also are to be submitted.

The Monthly Report of Operator should be prepared in an original and four copies all of which must be sent to the Executive Officer of the Region not later than the 15th of the month following.

Preparation of Form MF-104—Operator's Monthly Report and Voucher.—All the applicable spaces in Form MF-104 should be filled in by the Operator, and the Operator or his agent should sign the certification in the lower left corner of the form.

The items of costs are arranged in the order they appear in Article 6 (a) of Form MF-200 (Revised February 1952), however, this form is readily adaptable for use in reporting activities under other contract forms.

Under Item (1) delete words "Short Form" if the contract is a sub-contract under Form MF-200; and delete word "Independent" if the contract reported is on Form MF-200 (A). Also, report work paid for on a unit basis under contract Form MF-200 as though it were performed under an independent contract.

Under Item (2) include labor, supervision and technical services incurred for the exploratory operations. Do not include labor, supervision and technical services used for work performed under items (5) and (6).

Under Item (3) include the costs of material and supplies used in the project other than that used under items (5) and (6).

Under Item (4) appear the three types of operating equipment expenditures, that is, rental, purchase and depreciation. The expenditures made for renting equipment belonging to a third party will be reported under "Rental". The amount paid or duly obligated for payment for the purchase of equipment will be reported under "Purchase". The amount of expenditures due the Operator to reimburse him for depreciation of equipment owned will be reported under "Depreciation".

Item (5) comprises costs of labor, supervision, technical services, materials, etc., which are used in the initial rehabilitation and repair of existing buildings, installations, fixtures, and equipment. These costs, therefore, should not be reported under items (2) and (3).

Item (6) includes the labor, supervision, technical services, materials, etc., used in the installation or construction of new buildings, fixed improvements, etc., necessary for the project. These costs, therefore, should not be reported under items (2) and (3).

Item (7) covers miscellaneous types of expenditure such as payroll taxes, liability insurance, workmen's compensation insurance, repairs to equipment and sampling and analysis. Only that part of payroll taxes, liability insurance and workmen's compensation which are paid by the operator should be reported under item (7). The share paid by the employee as a payroll deduction is to be included under item (2) as labor costs.

Item (8) includes any unforeseen costs not included in the other seven categories.

The original of Form MF-104 when submitted for reimbursable expenses incurred under contract Form MF-200 must be supported by original documentation or by certified copies of purchase orders, payrolls or transcripts of payrolls, unless such documentation has been waived by the Regional Executive Officer. This certification may be stated thus, "Certified True Copy (or Transcript)", followed by appropriate signature. If the Executive Officer of the Region determines that a contract under Form MF-200 should have an "on-site" audit, that is, a Government auditor should make an audit of the Operator's books and records of account, the Operator need not support his monthly voucher with original or certified documents except in cases of equipment purchases whose individual costs exceed $50.00. In these cases the original or a certified copy of the purchase order or invoice should be attached to the Monthly Voucher. N. B.—Only the *original* of Form MF-104 is required to be documented. The four copies of Form MF-104 are not to be thus supported.

Form MF-104 submitted for reimbursement under fixed price contracts on Form MF-200 (A), however, are not required to be supported by documentation of any kind. The Operator will submit his claim under item (1) of Form MF-104 by deleting as stated above the word "Independent" and by showing the number of feet or other units immediately after the appropriate descriptive word, such as, drilling, bulldozing, crosscutting, drifting, etc., and giving the "Monthly Total" amount due. "Totals Previously Reported", and "Totals to Date" columns should also be filled in.

Form ME-104A
(April 1952)

Budget Bureau No. 42-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

RECEIVED
OCT 10 1955

OPERATOR'S UNIT COST AND PROGRESS REPORT

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

OPERATION	Unit	Costs This Month	Units This Month	Costs to Date	Units to Date	Unit Costs to Date	Authorized by Contract: Units	Authorized by Contract: Unit Costs
Drifting								
Crosscutting		[illegible]	0	[illegible]	[illegible]	[illegible]		
Raising								
Shafts								
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping				[illegible]	[illegible]	[illegible]		
Trenching								
Test Pits								
Roads and Trails								
Total Distributed Costs		[illegible]	[illegible]					Total Costs Authorized by Contract
Operating Equipment Purchased			[illegible]					
Initial Rehabilitation and Repairs			[illegible]					
New Buildings, Improvements, etc.			[illegible]					
Total Costs		[illegible]	[illegible]					

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

Date 9/1/[illegible] Operator [illegible]
Per [illegible] Title [illegible]

Remarks:

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

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

GPO 872894

Northport, Wash.
August 4, 1954

United States Department of the Interior
Defense Minerals Exploration Administration
Spokane, Wash.

Mr. A.E. Weissenborn
Dear Sir:

Enclosed please find Certified Copy of payroll as per your request. This necessitated a round trip to Kettle Falls to get a notary public as our local representative in that line recently left for Spokane.

For the record, the month of July was non-productive as far as footage was concerned. Several days after your three field men were in here to check, we were back to work but found all our oil barrels, gasoline and other necessities at the bottom of the hill. Several kids had been in there and rolled everything down. This naturally stopped us until all was returned. We found the guilty parties and because the parents were very good in bringing in the guilty ones I did not feel like carrying the case too far. I told them very strongly that if all the material thrown overboard were returned properly that we would not prosecute. This was done accordingly but not before a delay of almost 10 days. After the return of the material we were about to resume work when we found to our dismay that porcupines had chewed up all the compressor wires, hose, etc. This caused further delay as all these parts had to be ordered new and took some time to replace. After all was complete we commenced work on mucking out the last round. Almost complete with this chore when the ore car and myself were rudely thrown over the dump by a callapse of the end rail on the dump. The ore car was not as yet retrievable as it went down the mountain side almost 6 or 7 hundred feet. We have since made arrangements to get another ore car from the Red Top property and as of this date work will commence again.

While waiting for our money to be released from escrow by the state I have personally tried to carry on the work. The delay thruout July was entirely unlooked for and seems exorbitant but I wanted you to know the facts. We expect our funds to be released soon and from then on work will carry on uninterrupted.

Because of the lack of progress thru July I will withhold any report for that month as all that was accomplished was replacement of parts, etc as explained above. Unless you want a report I will wait for your word.

Yours very truly,

Robert A. Rukke, V.Pres.
Pacific Northwest Mining Co.

RECEIVED
AUG 6 1954
U.S.
SPOKANE, WASH.

Operator's rept July

PAYROLL SHEET——LUCILLE MINE**D.EA 2123 X Contract E228

PACIFIC NORTHWEST MINING COMPANY

JULY —1953—		1	2	3	4	5	6	7	8	9	10	11	12	13	14
Name of Employee:	Rate:														
Ed.Alban	1.725	3hrs.		4 hrs.		4hrs.	8hr.	8hr.							
Geo.Jensen	1.725			4 hr.		4hr.	8hr.	8hr.							
Robert A.Rukke	1.725	3hr.													

Total Labor	Alban	$46.58
	Jensen	41.40
	Rukke	5.18
		$93.16

JUNE——1954——		20	21	22	23	24	25
Name of Employee:	Rate						
Harry Kneib	1.50	2hr	6hr	6hr			
Robert A.Rukke	1.50	2hr	6hr	6hr			
Ed Alban	1.50	0	0	6hr			

Total Labor	Alban	$ 9.00
	Kneib	21.00
	Rukke	21.00
		$ 51.00

Total footage included in this report 49 feet @ $10.00 per foot $490.00

Total contract 490.00

I hereby certify that the above is a correct and true copy of the payroll.

Pacific Northwest Mining Co.

Robert A. Rukke

Robert A.Rukke, V.President

Subscribed and sworn to before me this 4th day of August 1954

Notary Public in and for the State of Washington, residing at Kettle Falls, Wash.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

~~WASHINGTON 25, D.C.~~
So. 157 Howard Street
Spokane 4, Washington

July 13, 1954

MEMORANDUM

To: DMEA Field Team, Region II

From: Willard P. Puffett, Geologist, U. S. Geological Survey, and Webster S. Anderson, Engineer, U. S. Bureau of Mines

Subject: Docket No. DMEA-2123 (Lead-Zinc), Routine Inspection, Pacific Northwest Mining Company, Lucille Mine, Stevens County, Washington, Contract No. Idm-E228.

A routine inspection of the Lucille mine was made on Friday, July 9, 1954. Don Kellum, Geological Survey, accompanied us. Mr. Rukke, Mr. Wes Allen, and Mr. Hill Allen, representative of the operator, were at the property.

Late in June 1954, work was resumed at the property. The access road was cleared of fallen timber and 3 rounds of advance were made in the DMEA crosscut. Work is proceeding at an intermittent pace, with progress being made only on the week ends when Ed Alban is free from his regular job at the nearby Deep Creek mine.

Mr. Rukke states the State of Washington is still withholding finances arranged by the operator to continue the work. He believes that these monies will soon be released and at that time the project will be continued at a more regular rate. A few rounds were made in June to comply with Amendment No. 4 of the contract which specifies that work is to be resumed prior to July 1, 1954.

The new advance has exposed promising indications of ore, with scattered galena and sphalerite occurring near what appears to be a swarm of basic dikes. Scattered scheelite was detected along a joint plane in the marble wall rock.

It is now estimated that the face of the crosscut is within 30 to 35 feet of the phyllite hanging wall, which is the target of the crosscut. When the phyllite is intersected, drifting to the northeast and southwest along the contact will be undertaken.

Distribution:
DMEA(Orig.&3)
USBM(2)
Docket
Puffett

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

Budget Bureau No. 42-R1036.5

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

RECEIVED
OCT 10 1955

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of June 6 1955 Docket No. DMEA 2123 Contract No. 6-[illegible]
Operator's Name [illegible] Minerals [illegible]
Address [illegible] 50 10,642.00
Contract Amount, $ 37,224.00 Government Participation: 50 % Amount, $ 10,642.00

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling		000.00	000.00		800.00	800.00
Bulldozing						
Crosscutting						
Drifting						
(2) Labor and Supervision:	634.16	4155.73	4789.89	— o —	4789.89	4789.89
Labor	250.00	1900.00	2150.00	250.00	1908.20	1908.20
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:		185.40	185.40		185.40	185.40
Timber [illegible]	10.00	725.00	735.00	— o —	735.80	735.80
Explosives		122.03	122.03		122.03	122.03
Pipe		257.58	257.58		257.58	257.58
Steel		636.96	636.96		636.96	636.96
[illegible]	149.92	1577.48	1726.40	— o —	1726.40	1726.40
(4) Operating Equipment:						
Rental		4491.42	4491.42		4491.42	4491.42
Purchase						
Depreciation		701.62	701.62		701.62	701.62
(5) Initial Rehabilitation and Repairs		1319.23	1319.23		1319.23	1319.23
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:	216.49	229.38	445.87			
Repairs to Equipment				155.84	290.03	445.87
Sampling and Analysis		272.45	272.45			
Payroll Taxes		238.57	238.57		241.98	241.98
Liability Insurance					285.07	285.07
(8) Contingencies (specify):						
TOTALS	1259.57	17,720.05	18,979.62	405.84	18491.61	18897.45

I certify that the above bill is correct and just and that payment therefor has not been received. 9/29/55 Pacific Northwest Mining Co.
Date *Payee
Robert A. Rabke V. President
Per Robert A. Rabke 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.

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.

Taken into account in adjusting to audit report dated 9-7-55 on Nov-Dec 1954 MF104

(Instructions on reverse)

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

$ — o —

Signature M&P
(Authorized Certifying Officer)

Date 9-29-55 Vou. No.
(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. E228 in accordance with the terms of the contract.

Signature /S/ Webster S Anderson Title Mining Engr Date 9-13-54

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature /S/ Stephen W Zoldoff Title Mining Engr Date 9-14-54

MONTHLY REPORT OF OPERATOR

The Operator (Contractor) of an exploration project is required to make a monthly report to the Government through the Regional Executive Officer. This report consists of three parts as follows:

(a) *Form MF-104—Operator's Monthly Report and Voucher.*—This form details expenditures and constitutes a voucher for reimbursing the Operator for the Government's share of costs;

(b) *Form MF-104A—Operator's Unit Cost and Progress Report.*—This is a statistical report of expenditures which shows costs for the various types of operation; and

(c) *Narrative.*—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered must be furnished as an attachment to this Report and Voucher. Wherever possible, the narrative is to be illustrated with maps or sketches showing formations penetrated and location and assays of samples taken as well as advances in workings. In the case of diamond drilling or churn drilling, the location and inclination of holes is to be shown on a map; logs and assays also are to be submitted.

The Monthly Report of Operator should be prepared in an original and four copies all of which must be sent to the Executive Officer of the Region not later than the 15th of the month following.

Preparation of Form MF-104—Operator's Monthly Report and Voucher.—All the applicable spaces in Form MF-104 should be filled in by the Operator, and the Operator or his agent should sign the certification in the lower left corner of the form.

The items of costs are arranged in the order they appear in Article 6 (a) of Form MF-200 (Revised February 1952), however, this form is readily adaptable for use in reporting activities under other contract forms.

Under Item (1) delete words "Short Form" if the contract is a sub-contract under Form MF-200; and delete word "Independent" if the contract reported is on Form MF-200 (A). Also, report work paid for on a unit basis under contract Form MF-200 as though it were performed under an independent contract.

Under Item (2) include labor, supervision and technical services incurred for the exploratory operations. Do not include labor, supervision and technical services used for work performed under items (5) and (6).

Under Item (3) include the costs of material and supplies used in the project other than that used under items (5) and (6).

Under Item (4) appear the three types of operating equipment expenditures, that is, rental, purchase and depreciation. The expenditures made for renting equipment belonging to a third party will be reported under "Rental". The amount paid or duly obligated for payment for the purchase of equipment will be reported under "Purchase". The amount of expenditures due the Operator to reimburse him for depreciation of equipment owned will be reported under "Depreciation".

Item (5) comprises costs of labor, supervision, technical services, materials, etc., which are used in the initial rehabilitation and repair of existing buildings, installations, fixtures, and equipment. These costs, therefore, should not be reported under items (2) and (3).

Item (6) includes the labor, supervision, technical services, materials, etc., used in the installation or construction of new buildings, fixed improvements, etc., necessary for the project. These costs, therefore, should not be reported under items (2) and (3).

Item (7) covers miscellaneous types of expenditure such as payroll taxes, liability insurance, workmen's compensation insurance, repairs to equipment and sampling and analysis. Only that part of payroll taxes, liability insurance and workmen's compensation which are paid by the operator should be reported under item (7). The share paid by the employee as a payroll deduction is to be included under item (2) as labor costs.

Item (8) includes any unforeseen costs not included in the other seven categories.

The original of Form MF-104 when submitted for reimbursable expenses incurred under contract Form MF-200 must be supported by original documentation or by certified copies of purchase orders, payrolls or transcripts of payrolls, unless such documentation has been waived by the Regional Executive Officer. This certification may be stated thus, "Certified True Copy (or Transcript)", followed by appropriate signature. If the Executive Officer of the Region determines that a contract under Form MF-200 should have an "on-site" audit, that is, a Government auditor should make an audit of the Operator's books and records of account, the Operator need not support his monthly voucher with original or certified documents except in cases of equipment purchases whose individual costs exceed $50.00. In these cases the original or a certified copy of the purchase order or invoice should be attached to the Monthly Voucher. N. B.—Only the *original* of Form MF-104 is required to be documented, The four copies of Form MF-104 are not to be thus supported.

Form MF-104 submitted for reimbursement under fixed price contracts on Form MF-200 (A), however, are not required to be supported by documentation of any kind. The Operator will submit his claim under item (1) of Form MF-104 by deleting as stated above the word "Independent" and by showing the number of feet or other units immediately after the appropriate descriptive word, such as, drilling, bulldozing, crosscutting, drifting, etc., and giving the "Monthly Total" amount due. "Totals Previously Reported", and "Totals to Date" columns should also be filled in.

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

RECEIVED
OCT 10 1955

Month of June 1954 Docket No. DMEA 2123 Contract No. 1220
Operator's Name Pacific Northwest Mining Co Minerals Lead-zinc
Address 615 4th Street, Prescott, Ariz.

OPERATION	Unit	Costs This Month	Units This Month	Costs to Date	Units to Date	Unit Costs to Date	Authorized by Contract: Units	Authorized by Contract: Unit Costs
Drifting								
Crosscutting		[illegible]	[illegible]	[illegible]	[illegible]			
Raising		1259.57	49	21,669.35	400	25.36		
Shafts								
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping				600.00	703	12.42		
Trenching								
Test Pits								
Roads and Trails								
Total Distributed Costs		1259.57	22,469.35					Total Costs Authorized by Contract
Operating Equipment Purchased			491.42					
Initial Rehabilitation and Repairs			701.62					
New Buildings, Improvements, etc.			1329.23					
Total Costs		1259.57	1002.42					

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

Remarks:

Date 9/4/54 Operator Pacific Northwest Mining Co.
Per Robert A. Rikke Title V. President

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

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

GPO 872894

RECEIVED
OCT 10 1955

Northport, Washington
September 4, 1954

United States Department of the Interior
Defense Minerals Exploration Administration
Spokane, Wash.

RE: Lucille Mine-DMEA 2123X Contract E228

Gentlemen:

Enclosed please find AMENDED REPORT for June. This includes several bills that should have been turned in on the above contract originally, also supervisors salary was omitted.

The report for July and August along with bills so far on hand is enclosed likewise. Included with these reports are payroll sheets showing the labor and the footage or progress made.

The last two rounds at the Lucille have encountered difficulties in pulling the lifters, due no doubt to the extra water that possibly is found near the contact zone which must be nearing. In the event the regular fuse and cap does not work satisfactorily, we may have to resort to electric primers again.

In the bill turned in for August you will find the purchase 'on bid' from the Spokane Mining Syndicate for $136.50. As I understand it, the half of this bill can be transferred to our account in your office. The other half we will settle directly with the Spokane Mining Syndicate.

Please send a new supply of forms MF-104 and MF-104A.

We are dozing the road from the Red Top to the Lucille as road was in very bad shape. Also a new turn around at the lower part of the dump is being dozed out to facilitate the work at the Lucille. By now this road should be completed.

Yours very truly,

Pacific Northwest Mining Company

Robert A. Rukke, V-Pres.
Supervisor

(2)

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

Budget Bureau No. 42-R1036.5

RECEIVED
OCT 10 1955

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

Month of June, 1954 Docket No. DMEA 2023 X Contract No. 0-220
Operator's Name Pacific Northwest Mining Company Minerals Lead-Zinc
Address 619 Lib. Ct. Spokane, Wash.
Contract Amount, $ 37,204.00 Government Participation: 50 % Amount, $ 20,602.00

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling						
Bulldozing		830.00	830.00			
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor	634.16	4155.73	4789.89			
Supervision		1900.00	1900.00			
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber		105.40	105.40			
Explosives B loc. zinc	10.00	725.00	725.00			
Pipe		122.09	122.09			
Track		257.50	257.50			
Steel [illegible]	10.00	696.96	696.96			
[illegible]	143.92	1577.48	1726.40			
(4) Operating Equipment:						
Rental						
Purchase		4491.42	4491.42			
Depreciation						
(5) Initial Rehabilitation and Repairs		701.62	701.62			
(6) New Bldgs., Improvements, etc.		1319.23	1319.23			
(7) Miscellaneous:		229.38				
Repairs to Equipment	60.65	60.65	290.03			
Sampling and Analysis						
Payroll Taxes		272.45	272.45			
Liability Insurance		333.57	333.57			
(8) Contingencies (specify):						
TOTALS	853.73	17,723.65	18,595.50	853.73	17637.88	18491.61

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

Date July 17, 1954 *Payee Pacific Northwest Mining Co.

Per Robert A. Lukke Title V. President

*When a voucher is signed or receipted in the name of a company or corporation, the name of the person writing the company or corporate name, as well as the capacity in which he signs, must appear. For example: "John Doe Company, per John Smith, Secretary," or "Treasurer," as the case may be.

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

(Instructions on reverse)

Taken into account in adjusting to audit report dated 9-7-55 on Nov-Dec. Mf 104

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

$ —o—

Signature M&P
(Authorized Certifying Officer)

Date 9-29-55 Vou. No.
(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. E 228 in accordance with the terms of the contract.

Signature Noted /s/ Stephen W Goldoft Title Mining Engr Date 9-29-55

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE: /s/ To be adjusted to audit report

Signature /s/ Stephen W Goldoft Title Mining Engr Date 9-29-54

MONTHLY REPORT OF OPERATOR

The Operator (Contractor) of an exploration project is required to make a monthly report to the Government through the Regional Executive Officer. This report consists of three parts as follows:

(a) *Form MF-104—Operator's Monthly Report and Voucher.*—This form details expenditures and constitutes a voucher for reimbursing the Operator for the Government's share of costs;

(b) *Form MF-104A—Operator's Unit Cost and Progress Report.*—This is a statistical report of expenditures which shows costs for the various types of operation; and

(c) *Narrative.*—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered must be furnished as an attachment to this Report and Voucher. Wherever possible, the narrative is to be illustrated with maps or sketches showing formations penetrated and location and assays of samples taken as well as advances in workings. In the case of diamond drilling or churn drilling, the location and inclination of holes is to be shown on a map; logs and assays also are to be submitted.

The Monthly Report of Operator should be prepared in an original and four copies all of which must be sent to the Executive Officer of the Region not later than the 15th of the month following.

Preparation of Form MF-104—Operator's Monthly Report and Voucher.—All the applicable spaces in Form MF-104 should be filled in by the Operator, and the Operator or his agent should sign the certification in the lower left corner of the form.

The items of costs are arranged in the order they appear in Article 6 (a) of Form MF-200 (Revised February 1952), however, this form is readily adaptable for use in reporting activities under other contract forms.

Under Item (1) delete words "Short Form" if the contract is a sub-contract under Form MF-200; and delete word "Independent" if the contract reported is on Form MF-200 (A). Also, report work paid for on a unit basis under contract Form MF-200 as though it were performed under an independent contract.

Under Item (2) include labor, supervision and technical services incurred for the exploratory operations. Do not include labor, supervision and technical services used for work performed under items (5) and (6).

Under Item (3) include the costs of material and supplies used in the project other than that used under items (5) and (6).

Under Item (4) appear the three types of operating equipment expenditures, that is, rental, purchase and depreciation. The expenditures made for renting equipment belonging to a third party will be reported under "Rental". The amount paid or duly obligated for payment for the purchase of equipment will be reported under "Purchase". The amount of expenditures due the Operator to reimburse him for depreciation of equipment owned will be reported under "Depreciation".

Item (5) comprises costs of labor, supervision, technical services, materials, etc., which are used in the initial rehabilitation and repair of existing buildings, installations, fixtures, and equipment. These costs, therefore, should not be reported under items (2) and (3).

Item (6) includes the labor, supervision, technical services, materials, etc., used in the installation or construction of new buildings, fixed improvements, etc., necessary for the project. These costs, therefore, should not be reported under items (2) and (3).

Item (7) covers miscellaneous types of expenditure such as payroll taxes, liability insurance, workmen's compensation insurance, repairs to equipment and sampling and analysis. Only that part of payroll taxes, liability insurance and workmen's compensation which are paid by the operator should be reported under item (7). The share paid by the employee as a payroll deduction is to be included under item (2) as labor costs.

Item (8) includes any unforeseen costs not included in the other seven categories.

The original of Form MF-104 when submitted for reimbursable expenses incurred under contract Form MF-200 must be supported by original documentation or by certified copies of purchase orders, payrolls or transcripts of payrolls, unless such documentation has been waived by the Regional Executive Officer. This certification may be stated thus, "Certified True Copy (or Transcript)", followed by appropriate signature. If the Executive Officer of the Region determines that a contract under Form MF-200 should have an "on-site" audit, that is, a Government auditor should make an audit of the Operator's books and records of account, the Operator need not support his monthly voucher with original or certified documents except in cases of equipment purchases whose individual costs exceed $50.00. In these cases the original or a certified copy of the purchase order or invoice should be attached to the Monthly Voucher. N. B.—Only the *original* of Form MF-104 is required to be documented. The four copies of Form MF-104 are not to be thus supported.

Form MF-104 submitted for reimbursement under fixed price contracts on Form MF-200 (A), however, are not required to be supported by documentation of any kind. The Operator will submit his claim under item (1) of Form MF-104 by deleting as stated above the word "Independent" and by showing the number of feet or other units immediately after the appropriate descriptive word, such as, drilling, bulldozing, crosscutting, drifting, etc., and giving the "Monthly Total" amount due. "Totals Previously Reported", and "Totals to Date" columns should also be filled in.

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

RECEIVED
OCT 10 1955

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of June 195 4 Docket No. DMEA 2123 E Contract No. E 223

Operator's Name Pacific Northwest Mining Company Minerals Lead-Zinc

Address 619 4th Street Everett, Wash.

OPERATION	Unit	Costs This Month	Units This Month	Costs to Date	Units to Date	Unit Costs to Date	Authorized by Contract: Units	Authorized by Contract: Unit Costs
Drifting								
Crosscutting		653.73	49	11,263.31	460	24.48		
Raising								
Shafts								
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping				000.00	703	11.42		
Trenching								
Test Pits								
Roads and Trails								
Total Distributed Costs		653.73	12,063.31					Total Costs Authorized by Contract
Operating Equipment Purchased			4,491.42					
Initial Rehabilitation and Repairs			701.62					
New Buildings, Improvements, etc.			1,319.23					
Total Costs		653.73	18,575.58					

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

Date July 27, 1954 Operator Pacific Northwest Mining Co.

Per Robert A. Rutke Title V. President

Robert A. Rutke

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

(Instructions on reverse)

Remarks:

(For Government use only)

INSTRUCTIONS

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

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

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

GPO 872894

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

1201 N. Division St.
Spokane 2, Washington
June 21, 1954

MEMORANDUM

To: DMEA Field Team, Region II

From: W. S. Anderson, Mining Engineer, Bureau of Mines, and Willard P. Puffett, Geologist, U. S. Geological Survey

Subject: Docket No. DMEA 2123 (lead-zinc), Lucille Mine, Stevens County, Washington, Contract No. Idm-E228

Northport, Washington was visited June 17, 1954 in an attempt to contact Mr. Robert A. Rukke, Secretary, Pacific Northwest Mining Company, at the New Zealand Hotel where he has his office.

We were informed that Mr. Rukke was in Bremerton, Washington to contact other officials of the Pacific Northwest Mining Company in regards to resumption of exploration work at the Lucille mine. It was stated that present plans are to resume work before July 1, 1954 on which date the contract is terminated if work has not been started.

The crosscut at the Lucille mine had been advanced a total of 447 feet as of July 27, 1953, and no further work under the contract has been completed since the above date.

W. S. Anderson

W. S. Anderson

Orig. & 3 cys -Wash.
USGS (2)
DMEA
M/D
AD
WSA/he

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

RECEIVED
OCT 6 1953

1201 N. Division St.
Spokane 2, Washington
September 28, 1953

MEMORANDUM

To: DMEA Field Team, Region II

From: W. S. Anderson, Mining Engineer, Bureau of Mines

Subject: Routine inspection, Lucile Mine, Stevens County, Wash., Contract No. Idm-E228, Docket No. DMEA 2123 (lead-zinc)

The Lucile mine was visited September 16, accompanied by Willard Puffett, U. S. Geological Survey.

There was no one at the property and there has been no advance in the crosscut since the visit of July 27, 1953.

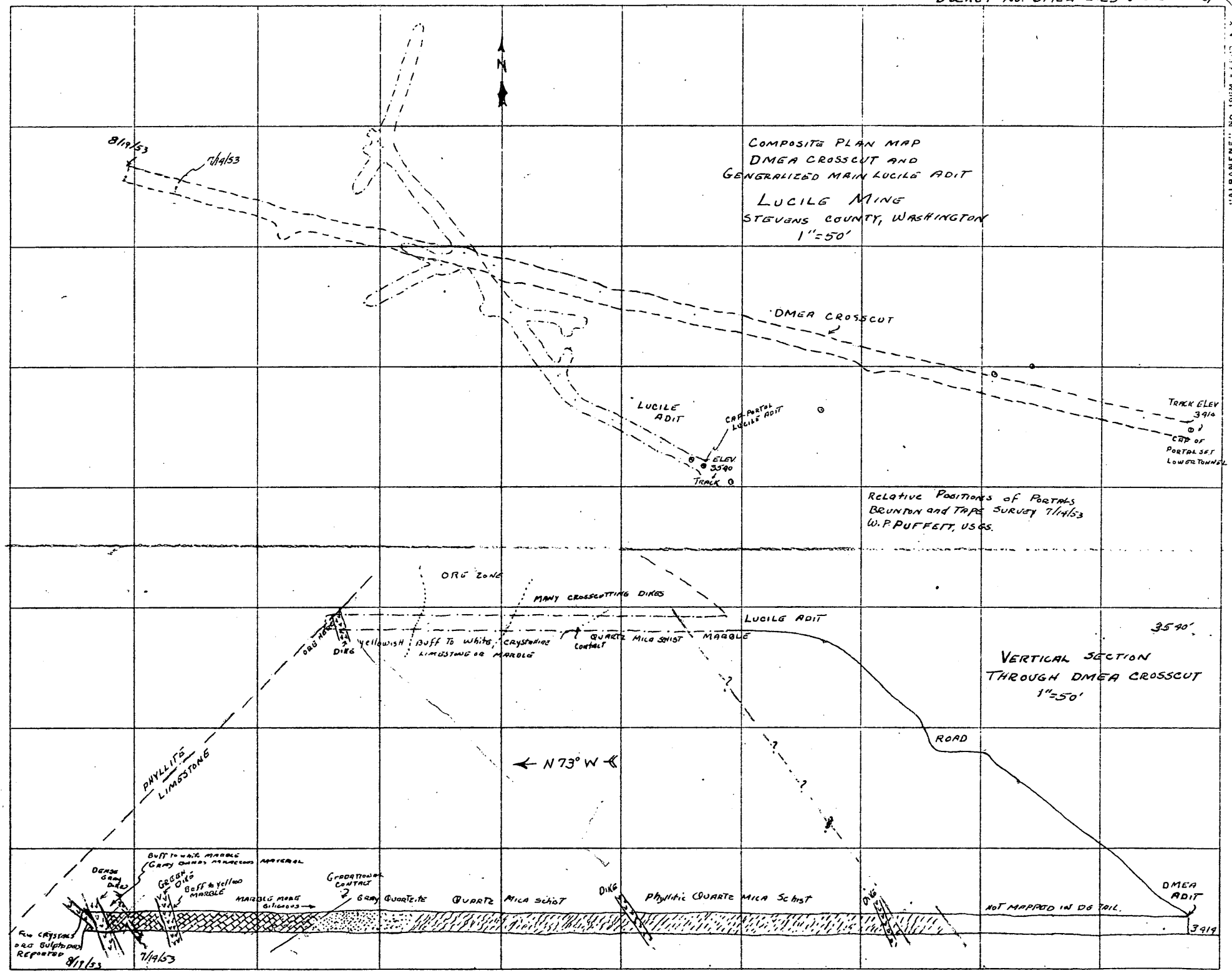
Equipment at the property was mucking machine, 1 ore car, Swede drill with pusher leg, and the compressor. This equipment, which was stored at the Red Top mine during the winter, was purchased under the contract with the exception of the compressor which is owned by the Operator.

There has been no word from the Operator as to his plans for completing work under the exploration project contract.

W. S. Anderson
W. S. Anderson

Orig. & 3 cys - Wash.
USGS (2)
DMEA
M/D
AD
WSA/he

Answered
How about this one?



"ALBANENE" NO. 195 M K&LCO. N.Y. REG. U.S. PAT. OFF.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

~~WASHINGTON 25, D.C.~~
So. 157 Howard Street
Spokane 4, Washington

August 24, 1953

MEMORANDUM

To: DMEA Field Team, Region II

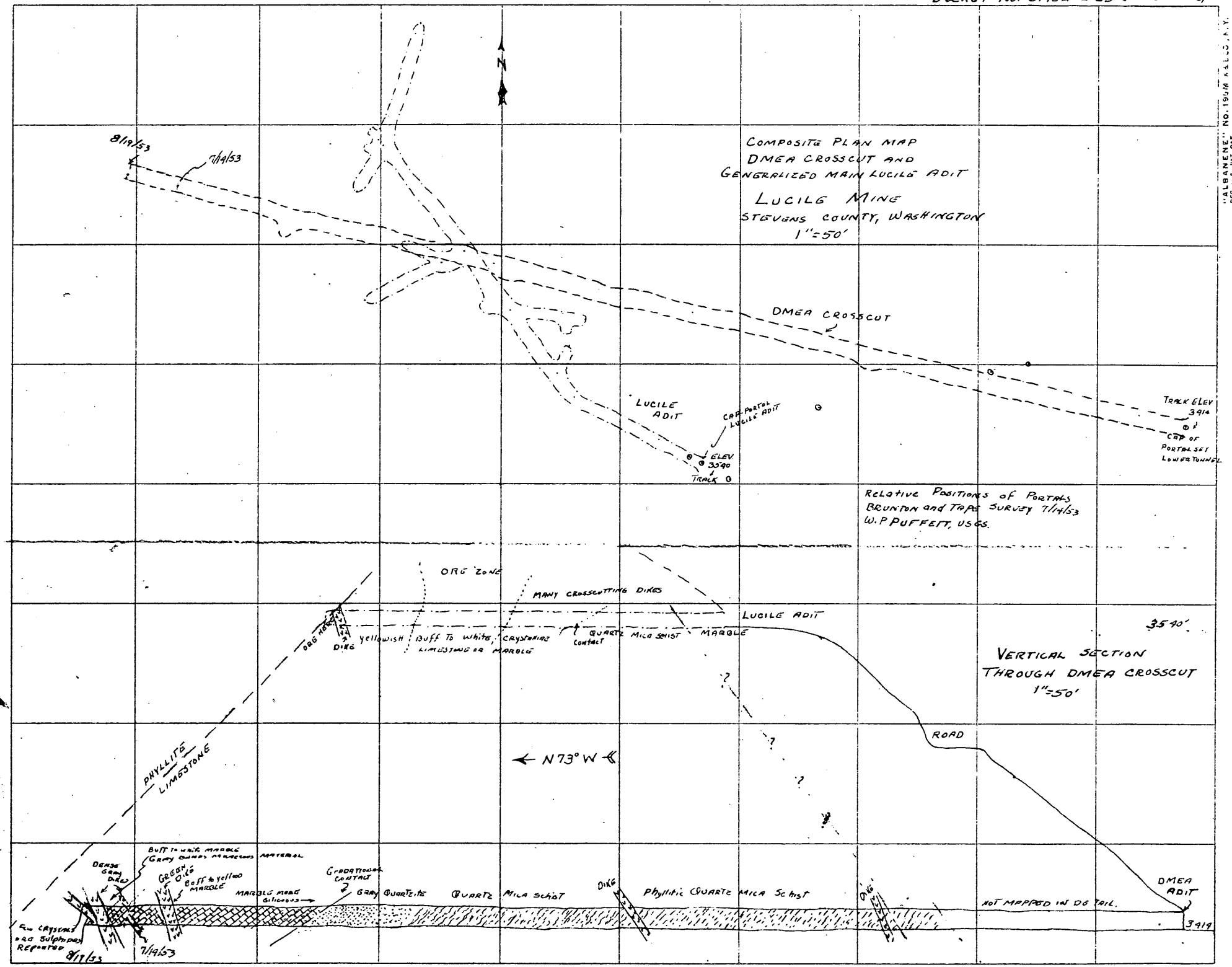
From: Willard P. Puffett, Geologist, U. S. Geological Survey

Subject: Routine inspection, Docket No. DMEA-2123 (Lead-Zinc), Lucile Mine, Stevens County, Washington, Contract No. Idm-E228.

A routine inspection of the Lucile mine was made Wednesday afternoon, August 19, 1953. No one was at the property, and there were no signs of recent mining activity at the mine. The twenty feet of advance since the last visit on July 14, 1953, was mapped, the geology being indicated on the accompanying map. The crosscut is now entering a zone marked by sharp faults and many dark gray, fine-grained dikes. The rock is a buff to yellow massive marble with many gray bands of micaceous material. These bands may indicate that the contact between the phyllite and the marble is not far in front of the face. Mr. Anderson of the Bureau of Mines has reported a few grains of ore sulphides near one of the dikes now exposed in the face. Apparently, someone has picked this ore out of the rock for close examination failed to disclose any ore on the day of the inspection.

As indicated on the accompanying map, the projected location of the contact between the phyllite and marble is 25 to 30 feet in front of the face of the crosscut, but it is doubtful that this contact will be reached because of the Operator's apparent inability to alleviate his financial difficulties sufficiently to continue crosscutting as per terms of the contract.

Enclosure
Distribution:
DMEA(Orig.&3)
USBM(2)
Docket
Puffett



"ALBANENE" NO. 190M A.S.L.C., N.Y. REG. U.S. PAT. OFF.

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

1201 N. Division St.
Spokane 2, Washington

DEPARTMENT OF THE INTERIOR
Bureau of Mines
Received
AUG 13 1953

August 13, 1953

Memorandum

To: DMEA Field Team, Region II

From: W. S. Anderson, Mining Engineer, Bureau of Mines

Subject: Routine inspection, Lucille Mine, Stevens County, Washington, Contract Idm-E228, Docket No. DMEA 2123 (lead, zinc)

The subject property was visited Tuesday, July 27, 1953. There was no one at the property at the time of the visit.

The crosscut has been advanced 20 feet since the visit by Willard Puffett, geologist, USGS, on July 14, 1953, for a total advance under the contract of 447 feet.

The only mineralization that could be discerned was a small pod near the back at the face which contained disseminated sulfides of zinc, lead and iron. At USBM 207 plus 71.5 feet the crosscut intersected a fracture which strikes north 38 east and dips 79 degrees to the northwest. At USBM No. 207 plus 82 feet another fracture is intersected which parallels the first and dips 73-79 degrees to the southeast. Five feet back from the face a basic dike was intersected with the dip and strike not definite.

I was not able to contact anyone to obtain information when the work was done at the property. I asked some loggers who were in the vicinity if they had noticed any activity at the property during the week previous and they stated they had not seen anyone go to the property in the last four days.

Equipment at the property was one swede machine with pusher leg and the air compressor.

W. S. Anderson

W. S. Anderson

cc: Orig. & 3-Wash.
2-USGS
DMEA
WSA
Md

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

~~WASHINGTON 25, D.C.~~
So. 157 Howard Street
Spokane 4, Washington

July 15, 1953

MEMORANDUM

To: DMEA Field Team, Region II

From: Willard P. Puffett, U. S. Geological Survey

Subject: Docket No. DMEA-2123 (Lead-Zinc), Routine Inspection, Lucile Mine, Stevens County, Washington, Contract Idm-E228

A routine inspection of the Lucile mine was made on Tuesday afternoon, July 14, 1953. Mr. Ed Alban and Mr. George Jensen, contract miners, were at the mine.

The new advance of the tunnel was checked, and a brunton and tape traverse was made to determine the relative locations of the DMEA crosscut and the main Lucile adit. The accompanying map shows these two locations plus a section through the DMEA crosscut on which pertinent geologic data are plotted. According to the results of the traverse, the DMEA crosscut is 126 feet lower in elevation than the main adit level.

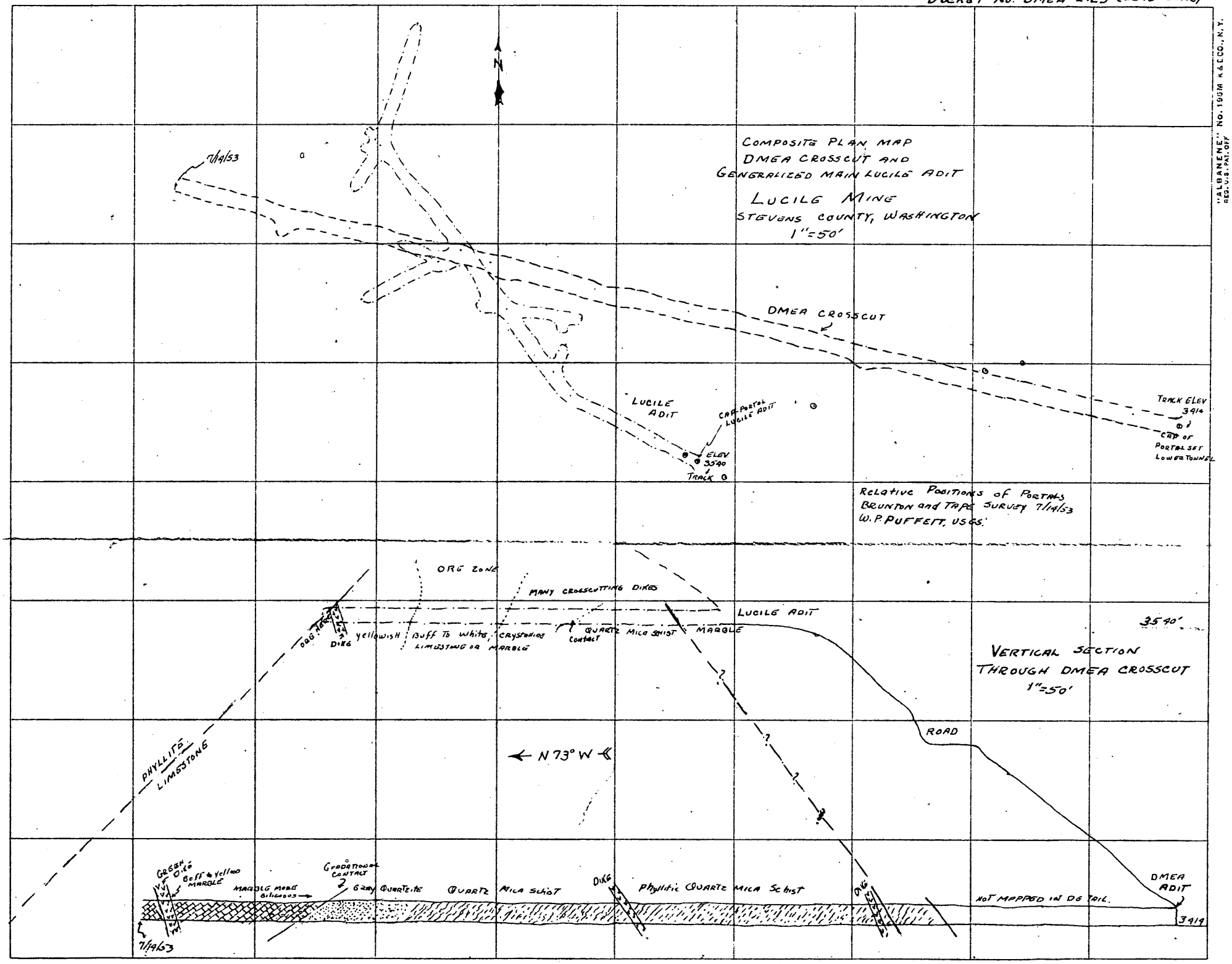
The section on the accompanying map shows the location of the present crosscut face in relation to the downward projection of the phyllite-limestone contact, the target of the crosscut. On this section, it can be seen that it is probable that fifty more feet of crosscutting will be necessary before the contract is intersected. The rock in the face of the crosscut is yellowish to light buff colored marble, with thin gray bands marking bedding. These beds dip quite uniformly from 35° to 40° W. This marble is very similar in appearance to that rock in the Lucile mine from which ore has been produced.

Mr. Alban stated that work at the mine had been resumed some time in June. Although it is now the middle of the month, measurements of the length of the crosscut confirmed the suspicion that only one round had been broken since the last inspection on June 16. Apparently, the Operators are adopting a go-slow attitude until the exact situation as concerns the contract is clarified. The contract expired on June 14,

but indications are that an extension of time will be requested. Action on such extension is contingent on the Operator's ability to prove the liens on the property have been satisfied. According to Mr. Alban, who by the way is a stockholder of a few shares of the Operating company stock, a Board of Directors meeting was being held on July 14, and more than likely the future course of exploration at the Lucile mine will be determined at this meeting.

The type of rock exposed in the face of the drift is similar to the ore-bearing rock in the upper workings, and thus it is a good possibility that an oreshoot may be successfully intersected if the contract work is brought to completion.

Enclosure
Distribution:
DMEA(Orig.&3)✓
USBM(2)
Docket
Puffett



"ALBANENE" NO. 199M K&E CO., N.Y. REG. U.S. PAT. OFF.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
~~WASHINGTON 25, D. C.~~
1201 N. Division St.
Spokane 2, Washington

June 25, 1953

MEMORANDUM

To: DMEA Field Team, Region II

From: E. A. Magill, Mining Engineer, U. S. Bureau of Mines

Subject: Progress examination Lucile Mine, Pacific Northwest Mining Co., Stevens County, Washington, Contract Idm-E228, Docket No. DMEA 2123X (lead-zinc)

A progress examination of the subject property was made on June 16, 1953 accompanied by Willard Puffett of the U. S. Geological Survey. No one was working on the property at the time of the visit.

A geologic map was made of the adit which is 427 feet in length. This map will accompany Puffett's report.

The road to the property is in good condition. No evidence was seen of any recent work on the property other than the fact that the heads had been removed from the engine on the compressor. These heads were broken last fall when the Operators failed to put in anti-freeze and the water in the engine froze. The only equipment remaining on the property is the air compressor and air receiver. Track and pipe are still installed in the adit. There are two full drums (55 gal. each) of engine oil as well as several part drums lying near the portal.

The equipment purchased for the project consisting of 2 atlas rock drills with pusher legs, shovel loader and two mine cars were not observed on the property. It is assumed that the Operators have removed this equipment and are using it at the Red Top mine where they are currently carrying on work.

E. A. Magill

CC: Orig. & 3 Wash.
USGS -2
DMEA
M/D
EAM

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
~~WASHINGTON 25, D.C.~~
So. 157 Howard Street
Spokane 4, Washington

June 19, 1953

Memorandum

To: DMEA Field Team, Region II

From: Willard P. Puffett, U. S. Geological Survey

Subject: Docket No. DMEA-2123 (Lead-Zinc), Routine Inspection, Lucile Mine, Stevens County, Washington, Contract Idm-E228

A routine examination was made of the Lucile mine on Tuesday, June 16, 1953. I was accompanied on this examination by E. A. Magill, U. S. Bureau of Mines. Insofar as is known this is the first visit to this property by a Geological Survey member since August 20, 1952.

A tape and compass survey was made of the tunnel. Time did not permit completion of the geological mapping of the workings. An outline map showing the major geological features in that part of the tunnel mapped accompanies this report.

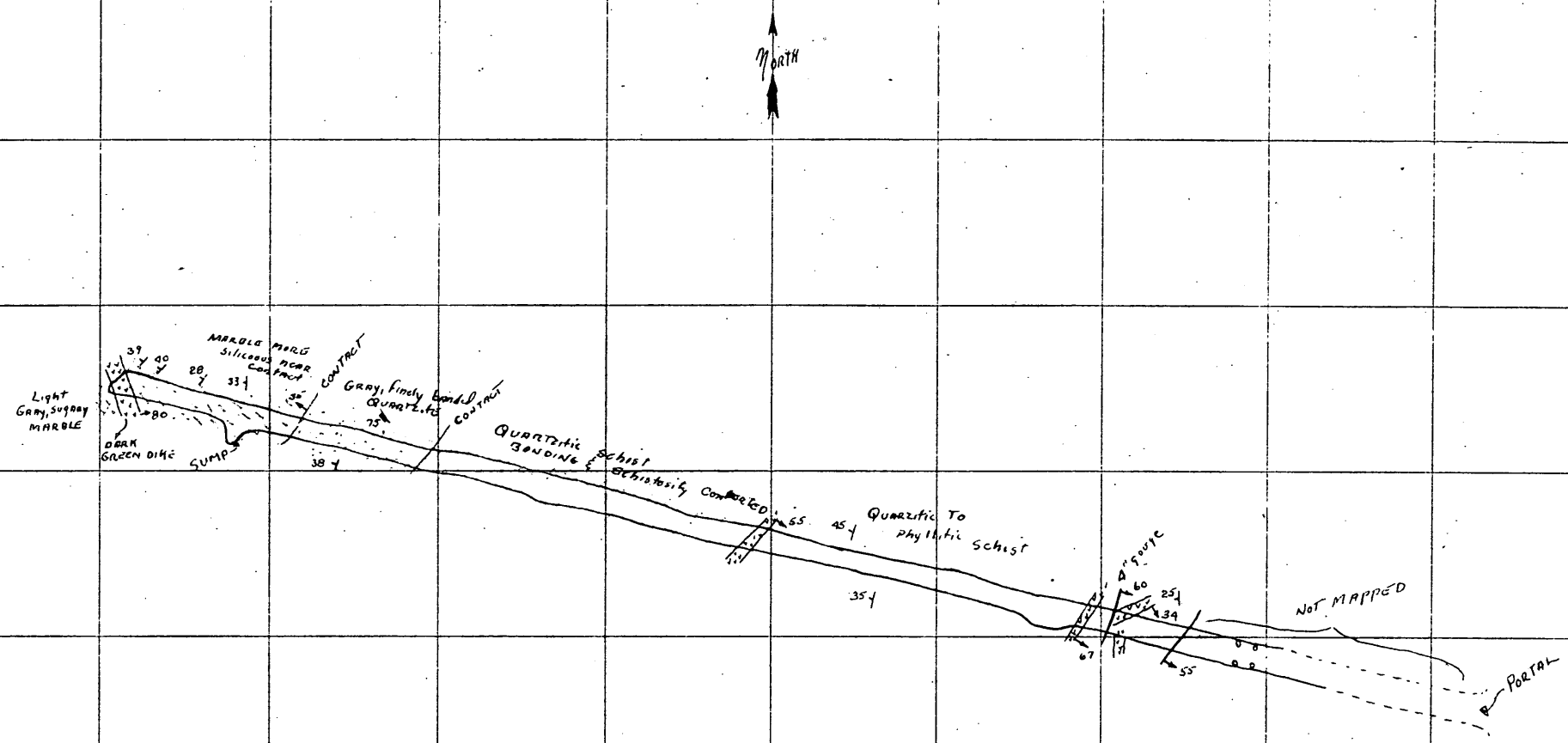
The tunnel is now 427 feet long. In the face of the tunnel is a five-foot wide green dike on both sides of which is massive, sugary marble, very similar in characteristics to that marble in the upper workings where the known ore shoots occur. Here the marble strikes nearly northeast and dips from 28 to 40 degrees to the northwest. This limestone stratum overlies a quartzite band which in turn overlies a quartzitic to phyllitic schist. Near the portal the rock is much more argillaceous. Contacts between the various rock types are gradational. A number of dikes have been intersected in the crosscut. No ore sulphides were seen.

It is unfortunate that as yet we do not have this new crosscut located with respect to the upper tunnel. Thus, it is impossible to construct sections on which to show the relation of the geology between the various workings at the Lucile mine. The original estimate was that the hanging wall of the limestone stratum would be intersected within 375 feet of the crosscut portal. At 427 feet from the portal, the contact has not been reached. Apparently the strata are dipping more flatly here, or there has been offset due to faulting. No major appearing faults were encountered in the crosscut.

No representative of the Operator was at the property, and there was no evidence that any preparations for resumption of exploration had been made, even though we have a letter saying plans are to resume work soon. As it is believed the crosscut is entering a very favorable stratum of limestone, it is hoped that exploration will be continued and a conclusive result will be obtained as a result of the project.

Attachment
Distribution:
DMEA (Orig. & 3)
USBM (2)
Docket
Puffett

Docket No. DMEA 2123 (lead-zinc)
Contract Id.-E228



Exploration Crosscut at Lucile Mine
Stevens County, Washington
1 inch -+50 feet

Tape and Compass survey
June 16, 1953
B Puffett; E. A. Magill
USGS USBM

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

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JAN 20 1953

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

Month of November, 1952 Docket No. DMEA 2123X Contract No. C 228
Operator's Name Pacific Northwest Mining Co. Minerals Lead Zinc
Address 1619 4th St Bremerton Wash
Contract Amount, $37,284.00 Government Participation: 50% Amount, $18,642.00

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						Keating Bldg
Drilling						
Bulldozing		800.00	800.00	✓		
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor	988.15	3,167.58	4,155.73			
Supervision	250.00	1,658.20	1,908.20			
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber		185.40	185.40			
Explosives		725.80	725.80			
Pipe		122.03	122.03			
Track		257.58	257.58			
Steel	190.62	446.34	636.96			
	388.75	1,188.73	1,577.48			
(4) Operating Equipment:						
Rental						
Purchase		4,491.42	4,491.42	✓		
Depreciation						
(5) Initial Rehabilitation and Repairs		701.62	701.62	✓		
(6) New Bldgs., Improvements, etc.		1,319.23	1,319.23	✓		
(7) Miscellaneous:						
Repairs to Equipment	78.09	151.29	229.38			
Sampling and Analysis						
Payroll Taxes	50.52	221.93	272.45	20.05		
Liability Insurance	53.50	285.07	338.57			
(8) Contingencies (specify):						
TOTALS	1,999.63	15,722.22	17,721.85	1985.68	[illegible]	[illegible]

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

Date Nov 9 1952 *Payee Pacific Northwest Mining Co.

Per Martin A. Monsson Title President

*When a voucher is signed or receipted in the name of a company or corporation, the name of the person writing the company or corporate name, as well as the capacity in which he signs, must appear. For example: "John Doe Company, per John Smith, Secretary," or "Treasurer," as the case may be.

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

(Instructions on reverse)

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

$957.83

Signature [signature] (Authorized Certifying Officer)

Date 1/16/53 Vou. No. (See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. 228 in accordance with the terms of the contract.

Signature /S/ Webster S. Anderson Title Mining Engr. Date 1/15/53

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature /S/ Elwin A. Magill Title Mining Engr. Date 1/15/53

MONTHLY REPORT OF OPERATOR

The Operator (Contractor) of an exploration project is required to make a monthly report to the Government through the Regional Executive Officer. This report consists of three parts as follows:

(a) *Form MF-104—Operator's Monthly Report and Voucher.*—This form details expenditures and constitutes a voucher for reimbursing the Operator for the Government's share of costs;

(b) *Form MF-104A—Operator's Unit Cost and Progress Report.*—This is a statistical report of expenditures which shows costs for the various types of operation; and

(c) *Narrative.*—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered must be furnished as an attachment to this Report and Voucher. Wherever possible, the narrative is to be illustrated with maps or sketches showing formations penetrated and location and assays of samples taken as well as advances in workings. In the case of diamond drilling or churn drilling, the location and inclination of holes is to be shown on a map; logs and assays also are to be submitted.

The Monthly Report of Operator should be prepared in an original and four copies all of which must be sent to the Executive Officer of the Region not later than the 15th of the month following.

Preparation of Form MF-104—Operator's Monthly Report and Voucher.—All the applicable spaces in Form MF-104 should be filled in by the Operator, and the Operator or his agent should sign the certification in the lower left corner of the form.

The items of costs are arranged in the order they appear in Article 6 (a) of Form MF-200 (Revised February 1952), however, this form is readily adaptable for use in reporting activities under other contract forms.

Under Item (1) delete words "Short Form" if the contract is a sub-contract under Form MF-200; and delete word "Independent" if the contract reported is on Form MF-200 (A). Also, report work paid for on a unit basis under contract Form MF-200 as though it were performed under an independent contract.

Under Item (2) include labor, supervision and technical services incurred for the exploratory operations. Do not include labor, supervision and technical services used for work performed under items (5) and (6).

Under Item (3) include the costs of material and supplies used in the project other than that used under items (5) and (6).

Under Item (4) appear the three types of operating equipment expenditures, that is, rental, purchase and depreciation. The expenditures made for renting equipment belonging to a third party will be reported under "Rental". The amount paid or duly obligated for payment for the purchase of equipment will be reported under "Purchase". The amount of expenditures due the Operator to reimburse him for depreciation of equipment owned will be reported under "Depreciation".

Item (5) comprises costs of labor, supervision, technical services, materials, etc., which are used in the initial rehabilitation and repair of existing buildings, installations, fixtures, and equipment. These costs, therefore, should not be reported under items (2) and (3).

Item (6) includes the labor, supervision, technical services, materials, etc., used in the installation or construction of new buildings, fixed improvements, etc., necessary for the project. These costs, therefore, should not be reported under items (2) and (3).

Item (7) covers miscellaneous types of expenditure such as payroll taxes, liability insurance, workmen's compensation insurance, repairs to equipment and sampling and analysis. Only that part of payroll taxes, liability insurance and workmen's compensation which are paid by the operator should be reported under item (7). The share paid by the employee as a payroll deduction is to be included under item (2) as labor costs.

Item (8) includes any unforeseen costs not included in the other seven categories.

The original of Form MF-104 when submitted for reimbursable expenses incurred under contract Form MF-200 must be supported by original documentation or by certified copies of purchase orders, payrolls or transcripts of payrolls, unless such documentation has been waived by the Regional Executive Officer. This certification may be stated thus, "Certified True Copy (or Transcript)", followed by appropriate signature. If the Executive Officer of the Region determines that a contract under Form MF-200 should have an "on-site" audit, that is, a Government auditor should make an audit of the Operator's books and records of account, the Operator need not support his monthly voucher with original or certified documents except in cases of equipment purchases whose individual costs exceed $50.00. In these cases the original or a certified copy of the purchase order or invoice should be attached to the Monthly Voucher. N. B.—Only the *original* of Form MF-104 is required to be documented. The four copies of Form MF-104 are not to be thus supported.

Form MF-104 submitted for reimbursement under fixed price contracts on Form MF-200 (A), however, are not required to be supported by documentation of any kind. The Operator will submit his claim under item (1) of Form MF-104 by deleting as stated above the word "Independent" and by showing the number of feet or other units immediately after the appropriate descriptive word, such as, drilling, bulldozing, crosscutting, drifting, etc., and giving the "Monthly Total" amount due. "Totals Previously Reported", and "Totals to Date" columns should also be filled in.

GPO 83-38476

Form MF-194A
(April 1952)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JAN 2 0 1953

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of November 1952 Docket No. DMEA 2-1237 Contract No. F-228
Operator's Name Pacific Northwest Mining Co. Minerals Lead Zinc
Address 6th & Bremerton Wash

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting								
Crosscutting		1,999.63	40	10,409.58	411	25.32		
Raising								
Shafts								
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping				800 cc	70 ca	11.42		
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		1,999.63		11,209.58				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased				4,491.43				
Initial Rehabilitation and Repairs				701.62				
New Buildings, Improvements, etc.				1,319.23				
TOTAL COSTS				17,721.85				

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

Date Nov 9 1952 Operator Pacific Northwest Mining Co

Per Martin A. Morrison Title President

REMARKS:

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

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

GPO 83-38475

PROGRESS REPORT, LUCILLE MINE Idm-E228

for

NOVEMBER, 1952

During the month of November, water shortage and freezing weather hampered contract drilling, which had to be suspended for many days.

A sump was sunk for collecting mine water, and a pump was rented by the company, and overhauled and installed by the contractors, with entirely satisfactory results.

The cross-cut is still progressing in marbelized limestone, thin-bedded for the greater part. No minerals of value were noted.

The total advance was forty feet for the month.

The road to Lucille portal was open and passable for the entire month, with no snow, excepting one light skift that soon melted.

NORMAN D. LINDSLEY

Norman D. Lindsley
Engineer in Charge

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Budget Bureau No. 42-R1036.3.
Approval expires

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JAN 9 1953

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of October, 1952 Docket No. DMEA 2123X Contract No. E 228
Operator's Name Pacific Northwest Mining Co. Minerals Lead Zinc
Address 619 4th St. Bremerton, Washington
Contract Amount, $ 37,284.00 Government Participation: 50 % Amount, $ 18,642.00

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						Reading Betty
Drilling						
Bulldozing		800.00	800.00			
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor	1,763.44	1,404.14	3,167.58	1,763.44		
Supervision	250.00	1,408.20	1,658.20	250.00		
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber		185.40	185.40			
Explosives	41.41	684.39	725.80	41.41		
Pipe		122.03	122.03			
Track		257.58	257.58			
Steel	135.22	311.12	446.34	135.22		
Gas, Oil, Grease	312.72	876.01	1,188.73	312.72		
(4) Operating Equipment:						
Rental						
Purchase		4,491.42	4,491.42			
Depreciation						
(5) Initial Rehabilitation and Repairs	20.00	681.62	701.62	20.00		
(6) New Bldgs., Improvements, etc.		1,319.23	1,319.23			
(7) Miscellaneous:						
Repairs to Equipment	2.82	148.47	151.29	2.82		
Sampling and Analysis						
Payroll Taxes	84.56	137.37	221.93	84.56		
Liability Insurance	36.19	248.88	285.07	36.19		
(8) Contingencies (specify):						
TOTALS	2,646.36	13,075.86	15,722.22	2646.36	13,075.86	15,722.22

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

Date 11/9/52 *Payee Pacific Northwest Mining Co.

Per Martin A. Morrison Title President

*When a voucher is signed or receipted in the name of a company or corporation, the name of the person writing the company or corporate name, as well as the capacity in which he signs, must appear. For example: "John Doe Company, per John Smith, Secretary," or "Treasurer," as the case may be.

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

(Instructions on reverse)

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

$ 1323.18

Signature
(Authorized Certifying Officer)

Date 1/6/53 Vou. No.
(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. E 228 in accordance with the terms of the contract.

Signature Webster S Anderson Title Mining Eng. Date 1/5/53

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

/s/ Signature Thomas E Howard Title Mining Eng. Date 1/5/53

MONTHLY REPORT OF OPERATOR

The Operator (Contractor) of an exploration project is required to make a monthly report to the Government through the Regional Executive Officer. This report consists of three parts as follows:

(a) *Form MF-104—Operator's Monthly Report and Voucher.*—This form details expenditures and constitutes a voucher for reimbursing the Operator for the Government's share of costs;

(b) *Form MF-104A—Operator's Unit Cost and Progress Report.*—This is a statistical report of expenditures which shows costs for the various types of operation; and

(c) *Narrative.*—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered must be furnished as an attachment to this Report and Voucher. Wherever possible, the narrative is to be illustrated with maps or sketches showing formations penetrated and location and assays of samples taken as well as advances in workings. In the case of diamond drilling or churn drilling, the location and inclination of holes is to be shown on a map; logs and assays also are to be submitted.

The Monthly Report of Operator should be prepared in an original and four copies all of which must be sent to the Executive Officer of the Region not later than the 15th of the month following.

Preparation of Form MF-104—Operator's Monthly Report and Voucher.—All the applicable spaces in Form MF-104 should be filled in by the Operator, and the Operator or his agent should sign the certification in the lower left corner of the form.

The items of costs are arranged in the order they appear in Article 6 (a) of Form MF-200 (Revised February 1952), however, this form is readily adaptable for use in reporting activities under other contract forms.

Under Item (1) delete words "Short Form" if the contract is a sub-contract under Form MF-200; and delete word "Independent" if the contract reported is on Form MF-200 (A). Also, report work paid for on a unit basis under contract Form MF-200 as though it were performed under an independent contract.

Under Item (2) include labor, supervision and technical services incurred for the exploratory operations. Do not include labor, supervision and technical services used for work performed under items (5) and (6).

Under Item (3) include the costs of material and supplies used in the project other than that used under items (5) and (6).

Under Item (4) appear the three types of operating equipment expenditures, that is, rental, purchase and depreciation. The expenditures made for renting equipment belonging to a third party will be reported under "Rental". The amount paid or duly obligated for payment for the purchase of equipment will be reported under "Purchase". The amount of expenditures due the Operator to reimburse him for depreciation of equipment owned will be reported under "Depreciation".

Item (5) comprises costs of labor, supervision, technical services, materials, etc., which are used in the initial rehabilitation and repair of existing buildings, installations, fixtures, and equipment. These costs, therefore, should not be reported under items (2) and (3).

Item (6) includes the labor, supervision, technical services, materials, etc., used in the installation or construction of new buildings, fixed improvements, etc., necessary for the project. These costs, therefore, should not be reported under items (2) and (3).

Item (7) covers miscellaneous types of expenditure such as payroll taxes, liability insurance, workmen's compensation insurance, repairs to equipment and sampling and analysis. Only that part of payroll taxes, liability insurance and workmen's compensation which are paid by the operator should be reported under item (7). The share paid by the employee as a payroll deduction is to be included under item (2) as labor costs.

Item (8) includes any unforeseen costs not included in the other seven categories.

The original of Form MF-104 when submitted for reimbursable expenses incurred under contract Form MF-200 must be supported by original documentation or by certified copies of purchase orders, payrolls or transcripts of payrolls, unless such documentation has been waived by the Regional Executive Officer. This certification may be stated thus, "Certified True Copy (or Transcript)", followed by appropriate signature. If the Executive Officer of the Region determines that a contract under Form MF-200 should have an "on-site" audit, that is, a Government auditor should make an audit of the Operator's books and records of account, the Operator need not support his monthly voucher with original or certified documents except in cases of equipment purchases whose individual costs exceed $50.00. In these cases the original or a certified copy of the purchase order or invoice should be attached to the Monthly Voucher. N. B.—Only the *original* of Form MF-104 is required to be documented. The four copies of Form MF-104 are not to be thus supported.

Form MF-104 submitted for reimbursement under fixed price contracts on Form MF-200 (A), however, are not required to be supported by documentation of any kind. The Operator will submit his claim under item (1) of Form MF-104 by deleting as stated above the word "Independent" and by showing the number of feet or other units immediately after the appropriate descriptive word, such as, drilling, bulldozing, crosscutting, drifting, etc., and giving the "Monthly Total" amount due. "Totals Previously Reported", and "Totals to Date" columns should also be filled in.

U. S. GOVERNMENT PRINTING OFFICE 205675

Form MF-104A
(April 1952)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JAN 5 1953

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of October 1952 Docket No. DMEA 2123X Contract No. E228
Operator's Name Pacific Northwest Mining Co. Minerals Lead Zinc
Address 619 4th Street, Bremerton, Washington

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT	
							Units	Unit Costs
Drifting								
Crosscutting		2,626.36	159	8,409.95	371	22.66		
Raising								
Shafts								
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping				800.00	70%	11.42		
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		2,626.36		9,209.95				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased				4,491.42				
Initial Rehabilitation and Repairs		20.00		701.62				
New Buildings, Improvements, etc.				1,319.23				
TOTAL COSTS		2,646.36		15,722.22				

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

Date 11/9/52 Operator Pacific Northwest Mining Co.

Per Martin A. Morrison Title President

REMARKS:

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

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

GPO 83-38475

LUCILLE MINE Idm-E228

PROGRESS REPORT FOR OCTOBER 1952

Very little time was lost on the Lucille cross-cut during this period, with the result that 159 feet of advance was recorded, bringing our total footage to 371 feet.

At 351 feet from the portal, siliceous marbelized limestone was encountered, having a strike of S10° E, and a dip of 38° to the west. At this point difficulty was experienced in drilling and breaking, and a previously conceived plan of adopting narrower gauge bits, with electric blasting caps and 1" diameter powder, was put into effect, with very good results--faster drilling, and no missed holes.

Continuing to the westward, the rock became softer.

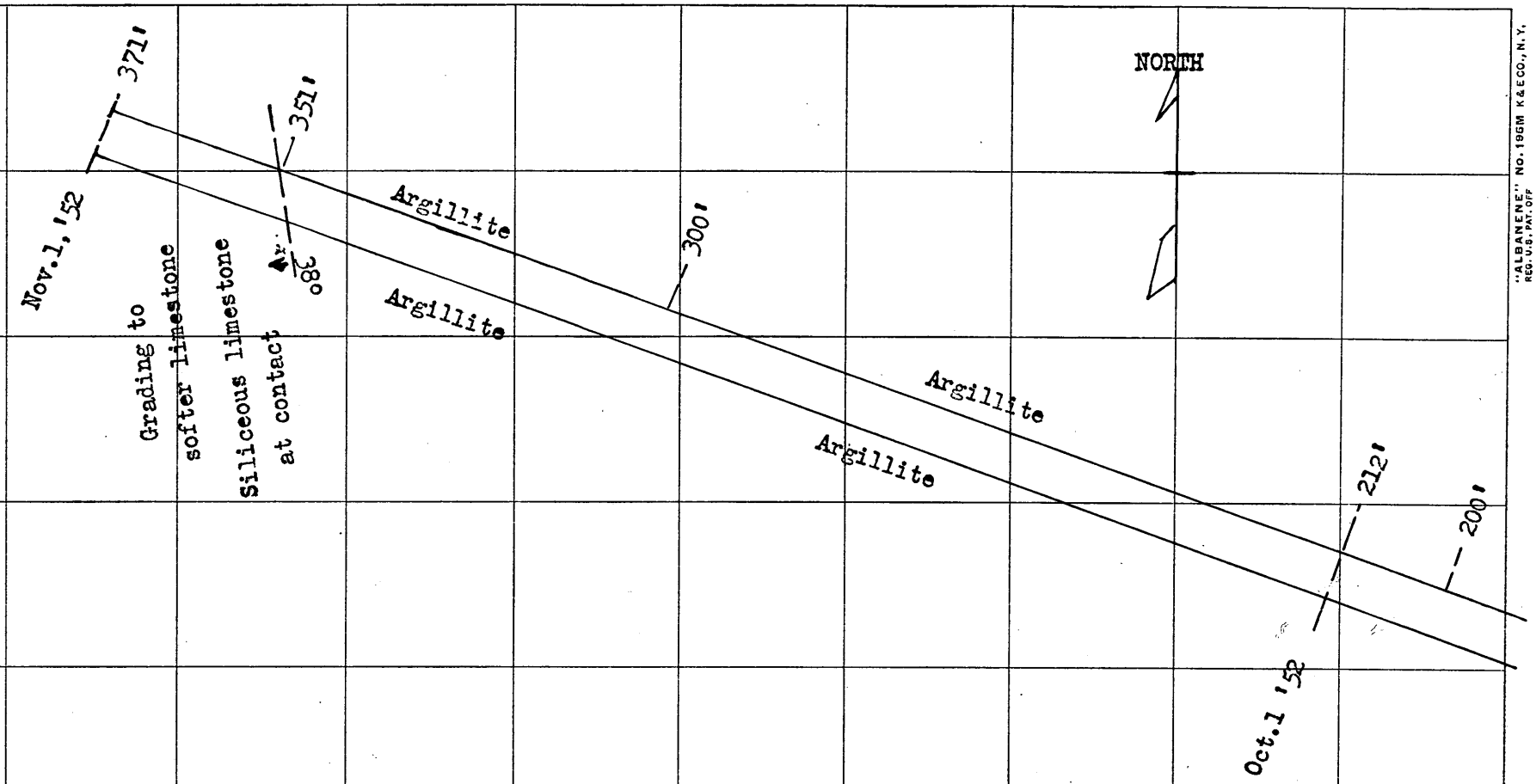
With freezing weather advancing, depenence must be had on sump water, which is increasing as we advance.

The mine crew is being shifted from the Lucille cabins to the Red Top camp, which has been rehabilitated for winter occupancy.

A new road, constructed from Red Top camp to the Admiral mill, renders Lucille camp also more readily accessible.

NORMAN D. LINDSLEY

Norman D. Lindsley
Manager
Engineer in Charge



GEOLOGIC SKETCH

LUCILLEX-CUT

Idm-E228

To November 1,'52

Scale,1" equals 20 feet

Norman D.Lindsley

"ALBANENE" No.196M K&E CO., N.Y.
REG. U.S. PAT. OFF.

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

1201 North Division Street
Spokane 2, Washington

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
DEC 5 1952

November 26, 1952

MEMORANDUM

To: DMEA Field Team, Region II

From: W. S. Anderson, Mining Engineer, Bureau of Mines

Subject: Progress examination, Lucile Mine, Pacific Northwest Mining Co., Stevens County, Washington, Contract Idm-E228, Docket No. DMEA 2123X (Lead-Zinc)

The subject property was visited November 14, 1952.

The crosscut has been advanced 153 feet since the last visit of October 3, 1952, for a total advance of 375 feet. The crosscut is being carried 6 x 7-1/2 feet in the clear and timber is not required. USBM #207 which was placed in the back of the crosscut at 0 + 215.5 feet at the time of the last visit, was blasted loose when the Operator was slabbing the back and raising the grade of the track. This same tag (USBM #207) was replaced in the back at 0 + 362.5 feet.

The advance has been through argillite and at 0 + 350 feet, several quartz stringers were encountered which carried small blebs of galena and sphalerite. At 0 + 351 feet a thin basic dike of indeterminate dip and strike cuts the structure. It is estimated that two more rounds should reach the limestone, phylitte contact. The Operator will notify the Field Team when the contact is reached and drifting will then be initiated along the contact.

Mr. Albon and Mr. Kent, contract miners doing the crosscutting, are using two "Swede" machines in the heading and are getting a round in, round out, every shift. A Joy shovel loader is used in the heading and the muck is hand trammed to the dump which is 50 feet out from the adit.

The average round is eighteen holes and they pull an average of 6' each round. Electric caps are now used and they are no longer having trouble with misfires.

The crosscutting is progressing at a satisfactory rate and good standards of work are maintained.

A sketch showing work completed in the crosscut is attached.

W. S. Anderson

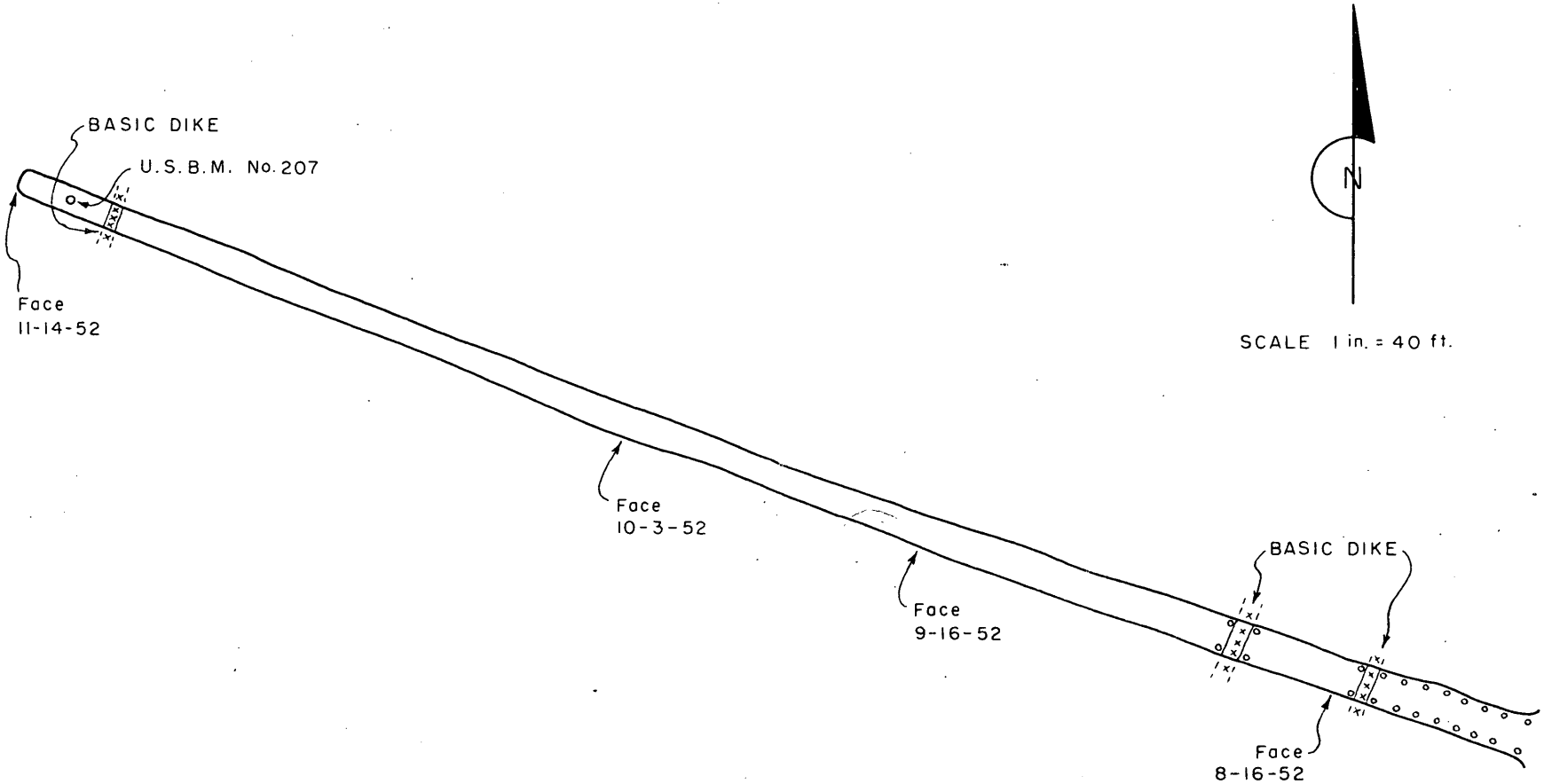
W. S. Anderson

Enclosure

Orig. & 3 - Wash.
USGS - 2
DMEA
M/D
WSA/vf

U.S. Department of the Interior

DMEA Docket No. 2321 X



LUCILLE CROSSCUT

STEVENS COUNTY, WASH.

Contract IdmE 228

Tape & Compass Survey
Date: Nov. 14, 1952
W. S. Anderson

Form MF-104A
(April 1952)

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
NOV 21 1952

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of September 195 2123X Docket No. DMEA
Operator's Name Pacific Northwest Mining Co.
Address 619 4th St., Bremerton, Washington

Contract No. 5228
Minerals Lead-Zinc

Keating
Betty

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting		2,304.63	65'	3,617.50	212'			
Crosscutting								
Raising								
Shafts								
Winzes								
Drilling: Core								
Churn								
Auger				800.00	70'			
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Material & Supplies				579.25				
TOTAL DISTRIBUTED COSTS		2,304.63		5,196.75				TOTAL COSTS AUTHORIZED BY CONTRACT
Supervision				875.00				
Operating Equipment Purchased		497.05		4,988.47				
Initial Rehabilitation and Repairs				349.96				
New Buildings, Improvements, etc.				1,319.23				
Other				316.92				
TOTAL COSTS		2,801.68		13,046.33				

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

Date 11/6/52 Operator Pacific Northwest Mining Co.

Per Martin A. Morrison Title Pres.

REMARKS:

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

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

U. S. GOVERNMENT PRINTING OFFICE 205676

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

DEPARTMENT OF THE INT
Defense Minerals Administration
RECEIVED
NOV 21 1952

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of September, 1952 Docket No. DMEA 2123I Contract No. E228
Operator's Name Pacific Northwest Mining Co. Minerals Lead Zinc
Address 619 4th St., Bremerton, Washington
Contract Amount, $37,284.00 Government Participation: 50 % Amount, $ 18,642.00

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling						
Bulldozing		800.00	800.00			
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor	962.54	441.60	1,404.14			
Supervision	283.20	1,125.00	1,408.20			
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber				185.40		185.40
Explosives	568.00	116.39	684.39			
Pipe				122.03		122.03
~~Tools~~ other		254.18	254.18	3.40		3.40
Steel	89.20	221.92	311.12			
Gas, oil & grease	159.54	716.47	876.01			
(4) Operating Equipment:						
Rental	633.05					
Purchase	~~497.05~~	4,491.42	4,988.47	-0-		4,491.42
Depreciation						
(5) Initial Rehabilitation and Repairs		349.96	349.96	331.66	349.96	681.62
(6) New Bldgs., Improvements, etc.		1,319.23	1,319.23			
(7) Miscellaneous:						
Repairs to Equipment	120.15	137.76	257.91	10.71		148.47
Sampling and Analysis						
Payroll Taxes	122.00	270.72	392.72	52.32	85.05	137.37
Liability Insurance				69.68	179.20	248.88
(8) Contingencies (specify):						
	37					
TOTALS	2,801.68	10,244.65	13,046.33	2837.68	10238.18	13,075.86

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

Date 11/6/52 *Payee Pacific Northwest Mining Co.

Per Martin A. Monsar Title Pres.

*When a voucher is signed or receipted in the name of a company or corporation, the name of the person writing the company or corporate name, as well as the capacity in which he signs, must appear. For example: "John Doe Company, per John Smith, Secretary," or "Treasurer," as the case may be.

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

(Instructions on reverse)

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

$ 1418.84

Signature
(Authorized Certifying Officer)

Date Vou. No.
(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

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

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

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

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

MONTHLY REPORT OF OPERATOR

The Operator (Contractor) of an exploration project is required to make a monthly report to the Government through the Regional Executive Officer. This report consists of three parts as follows:

(a) *Form MF-104—Operator's Monthly Report and Voucher.*—This form details expenditures and constitutes a voucher for reimbursing the Operator for the Government's share of costs;

(b) *Form MF-104A—Operator's Unit Cost and Progress Report.*—This is a statistical report of expenditures which shows costs for the various types of operation; and

(c) *Narrative.*—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered must be furnished as an attachment to this Report and Voucher. Wherever possible, the narrative is to be illustrated with maps or sketches showing formations penetrated and location and assays of samples taken as well as advances in workings. In the case of diamond drilling or churn drilling, the location and inclination of holes is to be shown on a map; logs and assays also are to be submitted.

The Monthly Report of Operator should be prepared in an original and four copies all of which must be sent to the Executive Officer of the Region not later than the 15th of the month following.

Preparation of Form MF-104—Operator's Monthly Report and Voucher.—All the applicable spaces in Form MF-104 should be filled in by the Operator, and the Operator or his agent should sign the certification in the lower left corner of the form.

The items of costs are arranged in the order they appear in Article 6 (a) of Form MF-200 (Revised February 1952), however, this form is readily adaptable for use in reporting activities under other contract forms.

Under Item (1) delete words "Short Form" if the contract is a sub-contract under Form MF-200; and delete word "Independent" if the contract reported is on Form MF-200 (A). Also, report work paid for on a unit basis under contract Form MF-200 as though it were performed under an independent contract.

Under Item (2) include labor, supervision and technical services incurred for the exploratory operations. Do not include labor, supervision and technical services used for work performed under items (5) and (6).

Under Item (3) include the costs of material and supplies used in the project other than that used under items (5) and (6).

Under Item (4) appear the three types of operating equipment expenditures, that is, rental, purchase and depreciation. The expenditures made for renting equipment belonging to a third party will be reported under "Rental". The amount paid or duly obligated for payment for the purchase of equipment will be reported under "Purchase". The amount of expenditures due the Operator to reimburse him for depreciation of equipment owned will be reported under "Depreciation".

Item (5) comprises costs of labor, supervision, technical services, materials, etc., which are used in the initial rehabilitation and repair of existing buildings, installations, fixtures, and equipment. These costs, therefore, should not be reported under items (2) and (3).

Item (6) includes the labor, supervision, technical services, materials, etc., used in the installation or construction of new buildings, fixed improvements, etc., necessary for the project. These costs, therefore, should not be reported under items (2) and (3).

Item (7) covers miscellaneous types of expenditure such as payroll taxes, liability insurance, workmen's compensation insurance, repairs to equipment and sampling and analysis. Only that part of payroll taxes, liability insurance and workmen's compensation which are paid by the operator should be reported under item (7). The share paid by the employee as a payroll deduction is to be included under item (2) as labor costs.

Item (8) includes any unforeseen costs not included in the other seven categories.

The original of Form MF-104 when submitted for reimbursable expenses incurred under contract Form MF-200 must be supported by original documentation or by certified copies of purchase orders, payrolls or transcripts of payrolls, unless such documentation has been waived by the Regional Executive Officer. This certification may be stated thus, "Certified True Copy (or Transcript)", followed by appropriate signature. If the Executive Officer of the Region determines that a contract under Form MF-200 should have an "on-site" audit, that is, a Government auditor should make an audit of the Operator's books and records of account, the Operator need not support his monthly voucher with original or certified documents except in cases of equipment purchases whose individual costs exceed $50.00. In these cases the original or a certified copy of the purchase order or invoice should be attached to the Monthly Voucher. N. B.—Only the *original* of Form MF-104 is required to be documented. The four copies of Form MF-104 are not to be thus supported.

Form MF-104 submitted for reimbursement under fixed price contracts on Form MF-200 (A), however, are not required to be supported by documentation of any kind. The Operator will submit his claim under item (1) of Form MF-104 by deleting as stated above the word "Independent" and by showing the number of feet or other units immediately after the appropriate descriptive word, such as, drilling, bulldozing, crosscutting, drifting, etc., and giving the "Monthly Total" amount due. "Totals Previously Reported", and "Totals to Date" columns should also be filled in.

U. S. GOVERNMENT PRINTING OFFICE 205675

PACIFIC NORTHWEST MINING COMPANY

LUCILLE MINE, Idm-Ia 228

NARRATIVE REPORT FOR SEPTEMBER, 1952

On September third, the compressor was moved from its old location at the compressor house, to the more favorable location for attendence near the new portal.

On the sixth, Mr. Zeldok left the employ of the company to accept a position in a Montana mine.

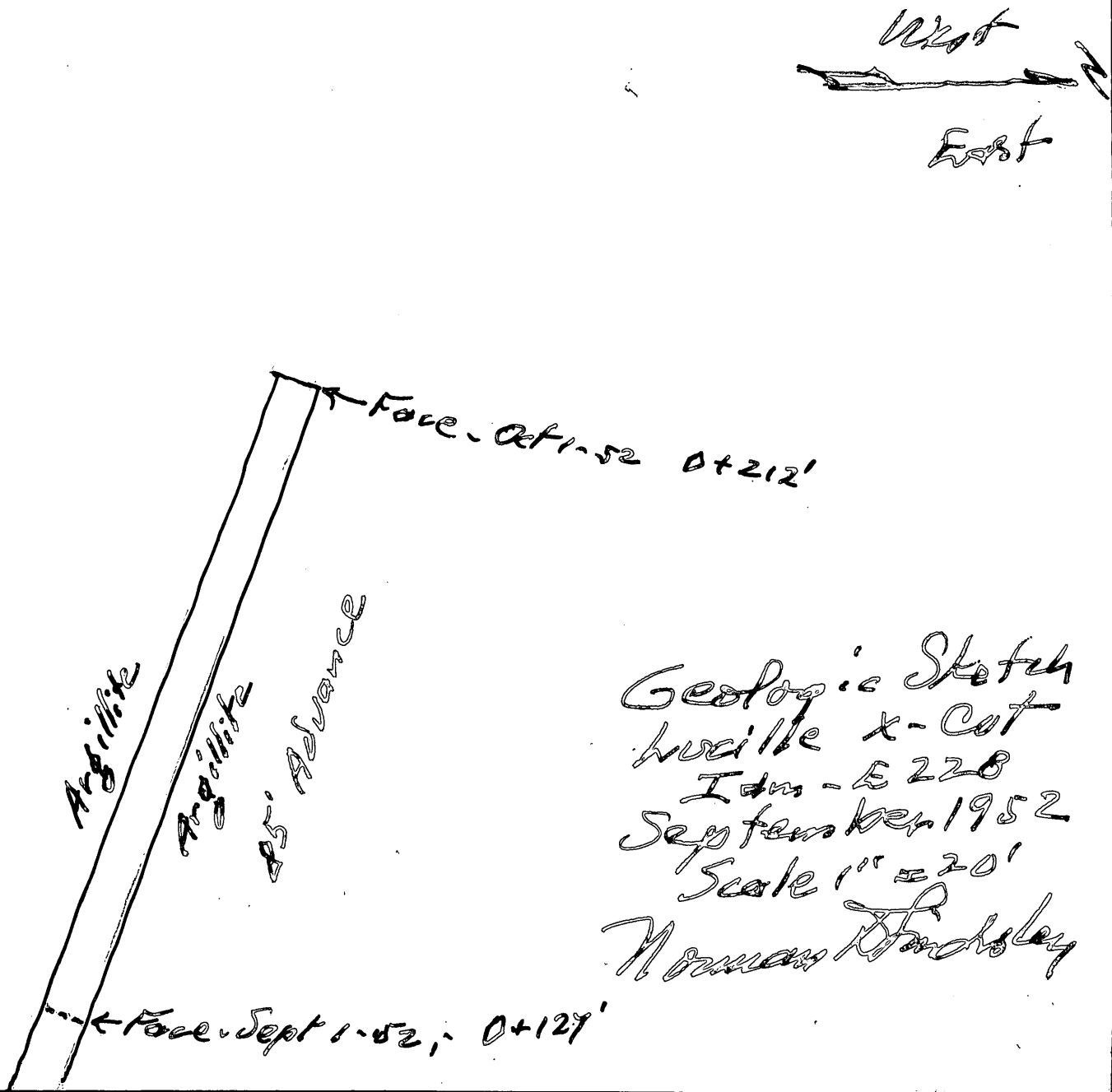
Work slowed down on the cross-cut, due to non arrival of long overdue rails. Contractors were busied installing an air receiver, on company account.

Upon arrival of rails, work was resumed on the contract, only to be interrupted once more by a forest fire, which kept our entire crew occupied for the balance of the month. A total footage of 85 feet was recorded for the month, bringing the total footage to the first of October to 212 feet.

Slight showings of galena and sphalerite were encountered in sporadic and inconsequential amounts. A very thin dike of lamphrophyre, of indeterminate dip and strike was observed.

NORMAN D. LINDSLEY

Norman D. Lindsley
Engineer in Charge


West
East
Face - Oct 1-52 0+212'
Argillite
Argillite
85' Advance
Face - Sept 1-52 - 0+127'
Geologic Sketch
Lucille X-Cut
Idm - E 228
September 1952
Scale 1" = 20'
Norman Hardsley

Form MF-104A
(April 1952)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
NOV 21 1952

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of September 195 2123X Docket No. DMEA _____ Contract No. E228

Operator's Name Pacific Northwest Mining Co. Minerals Lead Zinc

Address 619 4th St., Bremerton, Washington

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT	
							Units	Unit Costs
Drifting								
Crosscutting		2,304.63	85'	3,817.50	212'			
Raising								
Shafts								
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping				900.00	70%			
Trenching								
Test Pits								
Roads and Trails								
Material & Supplies				579.25				
TOTAL DISTRIBUTED COSTS		2,304.63		5,196.75				TOTAL COSTS AUTHORIZED BY CONTRACT
Supervision				875.00				
Operating Equipment Purchased		497.05		4,988.47				
Initial Rehabilitation and Repairs				349.96				
New Buildings, Improvements, etc.				1,339.23				
Other				316.92				
TOTAL COSTS		2,801.68		13,046.33				

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

Date 11/4/52 Operator Pacific Northwest Mining Co.

Per Martin A. Monnsau Title Pres.

REMARKS:

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

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

U. S. GOVERNMENT PRINTING OFFICE 205676

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
NOV 21 1952

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of September, 195 2 Docket No. DMEA 2123X Contract No. E228
Operator's Name Pacific Northwest Mining Co. Minerals Lead Zinc
Address 619 4th St., Bremerton, Washington
Contract Amount, $37,284.00 Government Participation: 50 % Amount, $ 18,642.00

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling						
Bulldozing		800.00	800.00			
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor	962.54	441.60	1,404.14	~~185.~~		
Supervision	283.20	1,125.00	1,408.20			
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber				185.40		185.40
Explosives	568.00	116.39	684.39			
Pipe				122.03		122.03
~~Truck~~ other		254.18	254.18	3.40		257.58
Steel	89.20	221.92	311.12			
Gas, oil & grease	159.54	716.47	876.01			
(4) Operating Equipment:						
Rental						
Purchase	497.05	4,491.42	4,988.47	-0-		4491.42
Depreciation						
(5) Initial Rehabilitation and Repairs		349.96	349.96	331.66	349.96	681.62
(6) New Bldgs., Improvements, etc.		1,319.23	1,319.23			
(7) Miscellaneous:						
Repairs to Equipment	120.15	137.76	257.91	10.71		148.47
Sampling and Analysis						
Payroll Taxes	122.00	270.72	392.72	52.32	85.05	137.37
Liability Insurance				69.68	179.20	248.88
(8) Contingencies (specify):						
TOTALS	2,801.68	10,244.65	13,046.33	2837.68	10,238.18	13,075.86

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

Date 11/6/52 *Payee Pacific Northwest Mining Co.

Per Martin A. Morrison Title Pres.

*When a voucher is signed or receipted in the name of a company or corporation, the name of the person writing the company or corporate name, as well as the capacity in which he signs, must appear. For example: "John Doe Company, per John Smith, Secretary," or "Treasurer," as the case may be.

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

(Instructions on reverse)

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

$ 1418.84

Signature
(Authorized Certifying Officer)

Date Vou. No.
(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

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

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

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

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

MONTHLY REPORT OF OPERATOR

The Operator (Contractor) of an exploration project is required to make a monthly report to the Government through the Regional Executive Officer. This report consists of three parts as follows:

(a) *Form MF-104—Operator's Monthly Report and Voucher.*—This form details expenditures and constitutes a voucher for reimbursing the Operator for the Government's share of costs;

(b) *Form MF-104A—Operator's Unit Cost and Progress Report.*—This is a statistical report of expenditures which shows costs for the various types of operation; and

(c) *Narrative.*—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered must be furnished as an attachment to this Report and Voucher. Wherever possible, the narrative is to be illustrated with maps or sketches showing formations penetrated and location and assays of samples taken as well as advances in workings. In the case of diamond drilling or churn drilling, the location and inclination of holes is to be shown on a map; logs and assays also are to be submitted.

The Monthly Report of Operator should be prepared in an original and four copies all of which must be sent to the Executive Officer of the Region not later than the 15th of the month following.

Preparation of Form MF-104—Operator's Monthly Report and Voucher.—All the applicable spaces in Form MF-104 should be filled in by the Operator, and the Operator or his agent should sign the certification in the lower left corner of the form.

The items of costs are arranged in the order they appear in Article 6 (a) of Form MF-200 (Revised February 1952), however, this form is readily adaptable for use in reporting activities under other contract forms.

Under Item (1) delete words "Short Form" if the contract is a sub-contract under Form MF-200; and delete word "Independent" if the contract reported is on Form MF-200 (A). Also, report work paid for on a unit basis under contract Form MF-200 as though it were performed under an independent contract.

Under Item (2) include labor, supervision and technical services incurred for the exploratory operations. Do not include labor, supervision and technical services used for work performed under items (5) and (6).

Under Item (3) include the costs of material and supplies used in the project other than that used under items (5) and (6).

Under Item (4) appear the three types of operating equipment expenditures, that is, rental, purchase and depreciation. The expenditures made for renting equipment belonging to a third party will be reported under "Rental". The amount paid or duly obligated for payment for the purchase of equipment will be reported under "Purchase". The amount of expenditures due the Operator to reimburse him for depreciation of equipment owned will be reported under "Depreciation".

Item (5) comprises costs of labor, supervision, technical services, materials, etc., which are used in the initial rehabilitation and repair of existing buildings, installations, fixtures, and equipment. These costs, therefore, should not be reported under items (2) and (3).

Item (6) includes the labor, supervision, technical services, materials, etc., used in the installation or construction of new buildings, fixed improvements, etc., necessary for the project. These costs, therefore, should not be reported under items (2) and (3).

Item (7) covers miscellaneous types of expenditure such as payroll taxes, liability insurance, workmen's compensation insurance, repairs to equipment and sampling and analysis. Only that part of payroll taxes, liability insurance and workmen's compensation which are paid by the operator should be reported under item (7). The share paid by the employee as a payroll deduction is to be included under item (2) as labor costs.

Item (8) includes any unforeseen costs not included in the other seven categories.

The original of Form MF-104 when submitted for reimbursable expenses incurred under contract Form MF-200 must be supported by original documentation or by certified copies of purchase orders, payrolls or transcripts of payrolls, unless such documentation has been waived by the Regional Executive Officer. This certification may be stated thus, "Certified True Copy (or Transcript)", followed by appropriate signature. If the Executive Officer of the Region determines that a contract under Form MF-200 should have an "on-site" audit, that is, a Government auditor should make an audit of the Operator's books and records of account, the Operator need not support his monthly voucher with original or certified documents except in cases of equipment purchases whose individual costs exceed $50.00. In these cases the original or a certified copy of the purchase order or invoice should be attached to the Monthly Voucher. N. B.—Only the *original* of Form MF-104 is required to be documented. The four copies of Form MF-104 are not to be thus supported.

Form MF-104 submitted for reimbursement under fixed price contracts on Form MF-200 (A), however, are not required to be supported by documentation of any kind. The Operator will submit his claim under item (1) of Form MF-104 by deleting as stated above the word "Independent" and by showing the number of feet or other units immediately after the appropriate descriptive word, such as, drilling, bulldozing, crosscutting, drifting, etc., and giving the "Monthly Total" amount due. "Totals Previously Reported", and "Totals to Date" columns should also be filled in.

U. S. GOVERNMENT PRINTING OFFICE 205675

PACIFIC NORTHWEST MINING COMPANY

LUCILLE MINE, Idaho 228

NARRATIVE REPORT FOR SEPTEMBER, 1952

On September third, the compressor was moved from its old location at the compressor house, to the more favorable location for attendance near the new portal.

On the sixth, Mr. Zoldak left the employ of the company to accept a position in a Montana mine.

Work slowed down on the cross-cut, due to non arrival of long overdue rails. Contractors were busied installing an air receiver, on company account.

Upon arrival of rails, work was resumed on the contract, only to be interrupted once more by a forest fire, which kept our entire crew occupied for the balance of the month. A total footage of 65 feet was recorded for the month, bringing the total footage to the first of October to 212 feet.

Slight showings of galena and chloriite were encountered in sporadic and inconsequential amounts. A very thin dike of lamprophyre, of indeterminate dip and strike was observed.

NORMAN D. LINDSLEY

Norman D. Lindsley
Engineer in Charge

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

1201 North Division St.
Spokane 2, Washington

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT 27 1952

October 7, 1952

MEMORANDUM

To: DMEA Field Team, Region II

From: W. S. Anderson, Mining Engineer, Bureau of Mines

Subject: Progress examination, Lucille Mine, Pacific Northwest Mining Co., Stevens County, Washington, Contract Idm-E228, Docket No. DMEA 2123X (lead-zinc)

The Lucille Mine was examined October 3, 1952. Mr. Albon and Mr. Kent, contractors for the crosscutting, were working in the crosscut at the time of my visit.

Mr. Hartbauer, former partner of Mr. Albon, resigned and Mr. Kent will now assume his duties.

The crosscut has been advanced 75 feet since the last visit for a total advance of 222 feet under the contract.

USBM #207 was placed in the back at 0 + 215.5 feet.

A fire, supposedly started by a spark from the compressor, burned the hillside on which the crosscut is located. The compressor house, from which the compressor had been removed when the crosscut was started, was destroyed by the fire. There was no other damage except to a few small tools which were stored in the compressor house. The fire started Friday, September 6, 1952, and approximately 80 men were employed for 5 days in controlling it. There was no advance in the crosscut during this period for the services of the miners were required in fighting fire.

At the time of my visit the contractors had to interrupt their work in the crosscut to extinguish small blazes near the portal.

W. S. Anderson

W. S. Anderson

Orig. & 3 - Wash.
USGS (2) M/D
DMEA WSA/vf

2123 X

Pas

Keating

Betty

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

1201 N. Division St.
Spokane 2, Washington
September 23, 1952

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT 6 52

MEMORANDUM

To: DMEA Field Team, Region II

From: W. S. Anderson, Mining Engineer, Bureau of Mines

Subject: Progress examination, Lucile mine, Pacific Northwest Mining Co., Stevens County, Wash., Contract Idm-E228, Docket No. DMEA 2123X (lead-zinc)

An inspection of the subject property was made on September 11, 1952. Mr. Albon and Mr. Hartbauer, who have the contract for the crosscutting, were at the property at the time of my visit.

The crosscut had been driven 147 feet by the contractors. A lamprophyre dike was hit at 67 feet which required two sets of timber because of the continued sloughing of the back. No other timber has been required in the further advance of the crosscut.

The operators are still having trouble with misfires and are planning to switch to electric caps as soon as their present supply of fuse is exhausted.

The crosscutting is progressing at a satisfactory rate and good standards of work are maintained.

W. S. Anderson

W. S. Anderson

Orig. & 3 cys—Wash.
USGS (2)
DMEA
M/D
WSA

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

Budget Bureau No. 42-R1026.3.
Approval Expires 6-30-

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S MONTHLY REPORT AND VOUCHER

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT 28 1952

Month of August, 1952 Docket No. DMEA 2123I Contract No. 2228
Operator's Name Pacific Northwest Mining Co. Minerals Lead Zinc
Address 619 4th. St. Bremerton, Washington
Contract Amount, $37,284.00 Government Participation: ____% Amount, $10,642.00

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						Keating Batty
Drilling						
Bulldozing		800.00	800.00		800.00	800.00
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor	441.60		441.60	441.60		441.60
Supervision	250.00	875.00	1,125.00	250.00	875.00	1,125.00
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives		116.39	116.39		116.39	116.39
Pipe						
~~Track~~ Other	136.66	117.52	254.18	136.66	117.52	254.18
Steel		221.92	221.92		221.92	221.92
Gas, Oil & Grease	593.05	123.42	716.47	593.05	123.42	716.47
(4) Operating Equipment:						
Rental						
Purchase		4,491.42	4,491.42		4,491.42	4,491.42
Depreciation						
(5) Initial Rehabilitation and Repairs	26.17	323.79	349.96	26.17	323.79	349.96
(6) New Bldgs., Improvements, etc.		1,319.23	1,319.23		1,319.23	1,319.23
(7) Miscellaneous:						
Repairs to Equipment		137.76	137.76		137.76	137.76
Sampling and Analysis						
Payroll Taxes	91.56	179.16	270.72	29.05	56.00	85.05
Liability Insurance				56.04	123.16	179.20
(8) Contingencies (specify):						
TOTALS	1,539.04	8,705.61	10,244.65	1,532.57	8,705.61	10,238.18

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

Date Aug. 25, 1952 Payee Pacific Northwest Mining Co.

Per Martin A. Morrison Title President

*When a voucher is signed or receipted in the name of a company or corporation, the name of the person writing the company or corporate name, as well as the capacity in which he signs, must appear. For example: "John Doe Company, per John Smith, Secretary," or "Treasurer," as the case may be.

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

(Instructions on reverse)

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

$ 766.28

Signature _____ (Authorized Certifying Officer)

Date 10-31-52 Vou. No. _____
(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

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

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

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

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

MONTHLY REPORT OF OPERATOR

The Operator (Contractor) of an exploration project is required to make a monthly report to the Government through the Regional Executive Officer. This report consists of three parts as follows:

(*a*) *Form MF–104—Operator's Monthly Report and Voucher.*—This form details expenditures and constitutes a voucher for reimbursing the Operator for the Government's share of costs;

(*b*) *Form MF–104A—Operator's Unit Cost and Progress Report.*—This is a statistical report of expenditures which shows costs for the various types of operation; and

(*c*) *Narrative.*—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered must be furnished as an attachment to this Report and Voucher. Wherever possible, the narrative is to be illustrated with maps or sketches showing formations penetrated and location and assays of samples taken as well as advances in workings. In the case of diamond drilling or churn drilling, the location and inclination of holes is to be shown on a map; logs and assays also are to be submitted.

The Monthly Report of Operator should be prepared in an original and four copies all of which must be sent to the Executive Officer of the Region not later than the 15th of the month following.

Preparation of Form MF–104—Operator's Monthly Report and Voucher.—All the applicable spaces in Form MF–104 should be filled in by the Operator, and the Operator or his agent should sign the certification in the lower left corner of the form.

The items of costs are arranged in the order they appear in Article 6 (a) of Form MF–200 (Revised February 1952), however, this form is readily adaptable for use in reporting activities under other contract forms.

Under Item (1) delete words "Short Form" if the contract is a sub-contract under Form MF–200; and delete word "Independent" if the contract reported is on Form MF–200 (A). Also, report work paid for on a unit basis under contract Form MF–200 as though it were performed under an independent contract.

Under Item (2) include labor, supervision and technical services incurred for the exploratory operations. Do not include labor, supervision and technical services used for work performed under items (5) and (6).

Under Item (3) include the costs of material and supplies used in the project other than that used under items (5) and (6).

Under Item (4) appear the three types of operating equipment expenditures, that is, rental, purchase and depreciation. The expenditures made for renting equipment belonging to a third party will be reported under "Rental". The amount paid or duly obligated for payment for the purchase of equipment will be reported under "Purchase". The amount of expenditures due the Operator to reimburse him for depreciation of equipment owned will be reported under "Depreciation".

Item (5) comprises costs of labor, supervision, technical services, materials, etc., which are used in the initial rehabilitation and repair of existing buildings, installations, fixtures, and equipment. These costs, therefore, should not be reported under items (2) and (3).

Item (6) includes the labor, supervision, technical services, materials, etc., used in the installation or construction of new buildings, fixed improvements, etc., necessary for the project. These costs, therefore, should not be reported under items (2) and (3).

Item (7) covers miscellaneous types of expenditure such as payroll taxes, liability insurance, workmen's compensation insurance, repairs to equipment and sampling and analysis. Only that part of payroll taxes, liability insurance and workmen's compensation which are paid by the operator should be reported under item (7). The share paid by the employee as a payroll deduction is to be included under item (2) as labor costs.

Item (8) includes any unforeseen costs not included in the other seven categories.

The original of Form MF–104 when submitted for reimbursable expenses incurred under contract Form MF–200 must be supported by original documentation or by certified copies of purchase orders, payrolls or transcripts of payrolls, unless such documentation has been waived by the Regional Executive Officer. This certification may be stated thus, "Certified True Copy (or Transcript)", followed by appropriate signature. If the Executive Officer of the Region determines that a contract under Form MF–200 should have an "on-site" audit, that is, a Government auditor should make an audit of the Operator's books and records of account, the Operator need not support his monthly voucher with original or certified documents except in cases of equipment purchases whose individual costs exceed $50.00. In these cases the original or a certified copy of the purchase order or invoice should be attached to the Monthly Voucher. N. B.—Only the *original* of Form MF–104 is required to be documented. The four copies of Form MF–104 are not to be thus supported.

Form MF–104 submitted for reimbursement under fixed price contracts on Form MF–200 (A), however, are not required to be supported by documentation of any kind. The Operator will submit his claim under item (1) of Form MF–104 by deleting as stated above the word "Independent" and by showing the number of feet or other units immediately after the appropriate descriptive word, such as, drilling, bulldozing, crosscutting, drifting, etc., and giving the "Monthly Total" amount due. "Totals Previously Reported", and "Totals to Date" columns should also be filled in.

GPO 83-38476

Form MF-104A
(April 1952)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT 28 1952

Month of Aug. 195 2 Docket No. DMEA [illegible] Contract No. [illegible]
Operator's Name Pacific Northwest Mining Co. Minerals Lead Zinc
Address [illegible] N. W. Tacoma, Washington

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting								
Crosscutting		1,512.07	127'	1,512.07	127'			
Raising								
Shafts								
Winzes								
Drilling: Core								
Churn								
Auauger								
Stripping				[illegible]	[illegible]			
Trenching								
Test Pits								
Roads and Trails								
Materials & Supplies				979.65				
TOTAL DISTRIBUTED COSTS		1,514.07		2,492.12				TOTAL COSTS AUTHORIZED BY CONTRACT
Supervision				675.00				
Operating Equipment Purchased				4,401.42				
Initial Rehabilitation and Repairs		25.17		347.26				
New Buildings, Improvements, etc.				1,312.23				
Other				316.22				
TOTAL COSTS		1,541.24		10,244.65				

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

Date Sep. 25, 1952 Operator Pacific Northwest Mining Co.

Per Martin A. Monnsan Title President

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

REMARKS:

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

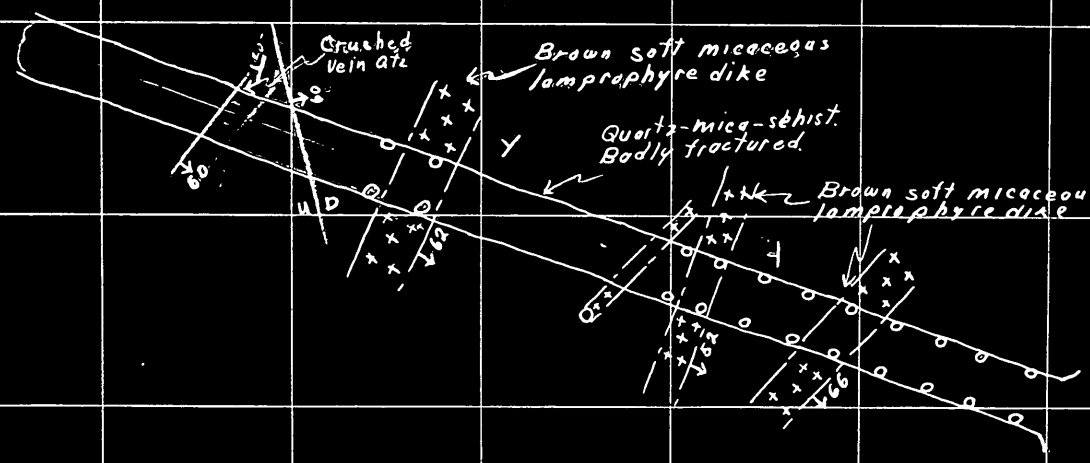
GPO 83-38475

N

1" = 20'

Geologic Sketch
Lucile X-cut.

Aug 29, 1952 S.W. Zoldak



"ALBANENE" NO. 195(M) K&E CO., N.Y.

PACIFIC NORTHWEST MINING COMPANY
619 Fourth Street Bremerton, Washington
Mine Office: 608 South Cedar Street, Colville, Washington
September 23, 1952

NARRATIVE REPORT FOR AUGUST 1952-LUCILLE MINE, Idm-E228

Work on the Lucille cross-cut (item 5, State I), which was delayed by damage done to the mucking machine in transit, was resumed with inception of drilling on August 8, at 1 P.M.

Later, a delay of two days was incurred in moving the compressor from its former location, to a new position at the portal of the Lucille cross-cut, and still another delay resulted in a two day loss of time due to non-arrival of mine rail and pipe long overdue from Seattle.

Progress for the month amounted to 127 feet of cross-cutting and 35 feet of timbering.

A geological sketch enclosed herewith shows no significant features in structure or mineralization. Lamprophyre dikes are present, as in the upper workings of the property.

No sampling was done, nor was it indicated.

NORMAN D. LINDSLEY
Norman D. Lindsley
Engineer in charge.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION
WASHINGTON 25, D. C.
So. 157 Howard Street
Spokane 4, Washington

August 20, 1952

Memorandum

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

From: Willard P. Puffett, Geologist, U. S. Geological Survey

Subject: Routine inspection of progress at Lucile Mine, Stevens County, Washington, under DMEA contract Idm-E228, Docket No. DMEA 2123 (Lead-Zinc)

A routine examination was made to check progress of the DMEA project at the Lucile Mine, on Wednesday, August 20, 1952. I was accompanied on this inspection trip by M. H. Roseboom, U. S. Geological Survey. Mr. Stephen Zoldok, engineer, and Mr. Norman Lindsley, superintendent, were at the property during the time of the inspection.

Current work being done under terms of the contract is the driving of a crosscut to intersect a limestone-phyllite contact along which it is believed ore exists. This crosscutting is being done by Mr. Norman Hartbauer and Mr. Ed Alban who have obtained a unit cost contract from the operators.

The crosscut had been driven 63 feet at the time of the inspection. Nearly 200 feet more crosscutting remains to be done before the projected contact is reached. The completed work has been in platy, schistose, argillite which has required continuous timbering, at least 40 feet from the portal.

Willard P. Puffett

cc: DMEA(4)
USBM(2)
USGS(SRO)
Puffett

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

August 19, 1952

E. A. Magill, Mining Engineer

Progress Examination, Lucille mine (Pacific Northwest Mining Co.)
Stevens County, Washington, Contract Idm-E228, Docket DMA 2123X
(lead-zinc)

An examination of the subject property was made on August 16, 1952. No one was at the property at the time of the visit.

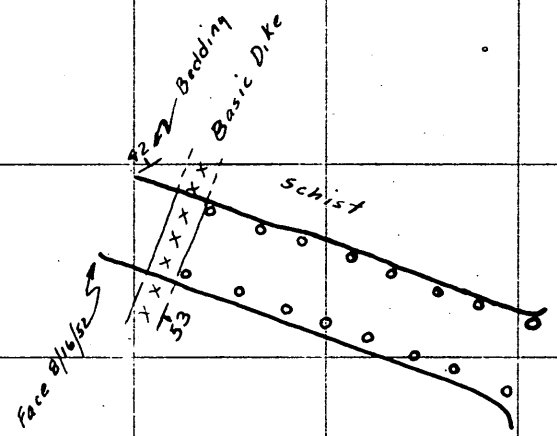
The operators have driven the adit crosscut a distance of 44 feet. (See attached sketch). It has been necessary to timber it the entire distance; it appears though that with another 15 or 20-foot advance that the rock will stand by itself. The adit is being carried 6 x 7½ feet in the clear.

Apparently the operators are experiencing some trouble with misfire due to the loose ground. At the time of the visit there were two holes in the face which had failed to go off. Part of the powder and the cap still remaining in the hole. This situation should correct itself when firmer ground is reached or it could be corrected now by use of electric caps.

The operators had on the job two new Atlas drills with pusher legs and a new Joy mucking machine.

E. A. Magill

CC: 4-Wash.
2-USGS
D/F
EAM



N

LUCILE CROSSCUT

Scale 1" = 20'

E.A.M.

Docket 2321X Contract Idm E 228
Stevens Co. Wash.

"ALBANENE" REG. U.S. PAT. OFF. NO. 195M K&E CO.

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

Klase

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT 28 1952

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of July 1952 Docket No. DMEA 2123X Contract No. 2220

Operator's Name Pacific Northwest Mining Co. Minerals Lead Zinc

Address 619 4th St., Bremerton, Wash.

Contract Amount, $ 37,224.00 Government Participation: 50 % Amount, $ 18,642.00

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						Keating Betty
Drilling						
Bulldozing		800.00	800.00		800.00	800.00
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor						
Supervision	250.00	625.00	875.00	250.00	625.00	875.00
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives		116.39	116.39		116.39	116.39
Pipe						
Track Other	45.97	71.55	117.52	45.97	71.55	117.52
Steel		221.92	221.92		221.92	221.92
Gas, Oil & Grease		123.42	123.42		123.42	123.42
(4) Operating Equipment:						
Rental				55		
Purchase	55.87	4,435.55	4,491.42	55.87	4,435.55	4,491.42
Depreciation						
(5) Initial Rehabilitation and Repairs	223.96	99.83	323.79	223.96	99.83	323.79
(6) New Bldgs., Improvements, etc.	82.56	1,236.67	1,319.23	82.56	1,236.67	1,319.23
(7) Miscellaneous:						
Repairs to Equipment	137.76		137.76	137.76		137.76
Sampling and Analysis June	179.16		179.16			
Payroll Taxes July				56.00		56.00
Liability Insurance				123.16		123.16
(8) Contingencies (specify):						
TOTALS	975.28	7,730.33	8,705.61	975.28	7,730.33	8,705.61

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

Date Aug. 21, 1952 *Payee Pacific Northwest Mining Co.

Per Martin A. Morrison Title President

*When a voucher is signed or receipted in the name of a company or corporation, the name of the person writing the company or corporate name, as well as the capacity in which he signs, must appear. For example: "John Doe Company, per John Smith, Secretary," or "Treasurer," as the case may be.

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

(Instructions on reverse)

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

$ 487.64

Signature
(Authorized Certifying Officer)

Date 10-21-52 Vou. No.
(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

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

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

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

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

MONTHLY REPORT OF OPERATOR

The Operator (Contractor) of an exploration project is required to make a monthly report to the Government through the Regional Executive Officer. This report consists of three parts as follows:

(a) *Form MF-104—Operator's Monthly Report and Voucher.*—This form details expenditures and constitutes a voucher for reimbursing the Operator for the Government's share of costs;

(b) *Form MF-104A—Operator's Unit Cost and Progress Report.*—This is a statistical report of expenditures which shows costs for the various types of operation; and

(c) *Narrative.*—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered must be furnished as an attachment to this Report and Voucher. Wherever possible, the narrative is to be illustrated with maps or sketches showing formations penetrated and location and assays of samples taken as well as advances in workings. In the case of diamond drilling or churn drilling, the location and inclination of holes is to be shown on a map; logs and assays also are to be submitted.

The Monthly Report of Operator should be prepared in an original and four copies all of which must be sent to the Executive Officer of the Region not later than the 15th of the month following.

Preparation of Form MF-104—Operator's Monthly Report and Voucher.—All the applicable spaces in Form MF-104 should be filled in by the Operator, and the Operator or his agent should sign the certification in the lower left corner of the form.

The items of costs are arranged in the order they appear in Article 6 (a) of Form MF-200 (Revised February 1952), however, this form is readily adaptable for use in reporting activities under other contract forms.

Under Item (1) delete words "Short Form" if the contract is a sub-contract under Form MF-200; and delete word "Independent" if the contract reported is on Form MF-200 (A). Also, report work paid for on a unit basis under contract Form MF-200 as though it were performed under an independent contract.

Under Item (2) include labor, supervision and technical services incurred for the exploratory operations. Do not include labor, supervision and technical services used for work performed under items (5) and (6).

Under Item (3) include the costs of material and supplies used in the project other than that used under items (5) and (6).

Under Item (4) appear the three types of operating equipment expenditures, that is, rental, purchase and depreciation. The expenditures made for renting equipment belonging to a third party will be reported under "Rental". The amount paid or duly obligated for payment for the purchase of equipment will be reported under "Purchase". The amount of expenditures due the Operator to reimburse him for depreciation of equipment owned will be reported under "Depreciation".

Item (5) comprises costs of labor, supervision, technical services, materials, etc., which are used in the initial rehabilitation and repair of existing buildings, installations, fixtures, and equipment. These costs, therefore, should not be reported under items (2) and (3).

Item (6) includes the labor, supervision, technical services, materials, etc., used in the installation or construction of new buildings, fixed improvements, etc., necessary for the project. These costs, therefore, should not be reported under items (2) and (3).

Item (7) covers miscellaneous types of expenditure such as payroll taxes, liability insurance, workmen's compensation insurance, repairs to equipment and sampling and analysis. Only that part of payroll taxes, liability insurance and workmen's compensation which are paid by the operator should be reported under item (7). The share paid by the employee as a payroll deduction is to be included under item (2) as labor costs.

Item (8) includes any unforeseen costs not included in the other seven categories.

The original of Form MF-104 when submitted for reimbursable expenses incurred under contract Form MF-200 must be supported by original documentation or by certified copies of purchase orders, payrolls or transcripts of payrolls, unless such documentation has been waived by the Regional Executive Officer. This certification may be stated thus, "Certified True Copy (or Transcript)", followed by appropriate signature. If the Executive Officer of the Region determines that a contract under Form MF-200 should have an "on-site" audit, that is, a Government auditor should make an audit of the Operator's books and records of account, the Operator need not support his monthly voucher with original or certified documents except in cases of equipment purchases whose individual costs exceed $50.00. In these cases the original or a certified copy of the purchase order or invoice should be attached to the Monthly Voucher. N. B.—Only the *original* of Form MF-104 is required to be documented. The four copies of Form MF-104 are not to be thus supported.

Form MF-104 submitted for reimbursement under fixed price contracts on Form MF-200 (A), however, are not required to be supported by documentation of any kind. The Operator will submit his claim under item (1) of Form MF-104 by deleting as stated above the word "Independent" and by showing the number of feet or other units immediately after the appropriate descriptive word, such as, drilling, bulldozing, crosscutting, drifting, etc., and giving the "Monthly Total" amount due. "Totals Previously Reported", and "Totals to Date" columns should also be filled in.

GPO 83-38476

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151
Approval expires [illegible]-53.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT 28 1952

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

Month of July 1952 Docket No. DMEA 2123X Contract No. [illegible]
Operator's Name Pacific Northwest Mining Co. Minerals Lead Zinc
Address 619 4th St., Bremerton, Wash.

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting								
Crosscutting								
Raising								
Shafts								
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping				800.00	703			
Trenching								
Test Pits								
Roads and Trails								
Materials & supplies		45.97		579.25				
TOTAL DISTRIBUTED COSTS		45.97		1,379.25				TOTAL COSTS AUTHORIZED BY CONTRACT
Supervision		250.00		875.00				
Operating Equipment Purchased		55.67		4,491.42				
Initial Rehabilitation and Repairs		223.96		323.79				
New Buildings, Improvements, etc.		82.56		1,319.29				
Other		316.92		631.92	316.92			
TOTAL COSTS		975.28		8,705.61				

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

Date Aug. 21, 1952 Operator Pacific Northwest Mining Co.

Per Martin R. Monsson Title President

REMARKS:

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

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

GPO 83-38475

There has been no actual mining done on the property during July due to the fact that the mucking machine was not in working order when received. The labor as herein reported is for work on the machines getting them ready for operation. The pipe line has been laid and some work done on the camp building

PACIFIC NORTHWEST MINING CO.

SD

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

So. 157 Howard Street
Spokane 4, Washington

July 7, 1952

Memorandum

To: [illegible] Eisenhorn, Executive Officer, [illegible] Field Team, Region 4

From: Hilmer E. Duffett, Geologist, [illegible]

Subject: Routine inspection of progress at Chelle Mine, Stevens County, Washington, under DMA Contract DMA-2228, Docket No. M A-2123, Lead.

An inspection was made of the Chelle Mine on Wednesday, July 2, 1952. I was accompanied in this inspection by George I. Barnes, Professor of Geology, Athens, Greece.

That part of the contract calling for bulldozer work had been completed. The contract allows 3 hours bulldozing to prepare road to new portal site but this work actually took 2½ hours inasmuch as the depth of overburden here was very shallow and new dirt had to be conveyed to this site for road bed. This excess bulldozer work was subtracted from that work to be done bulldozing trenches for possible ore locations.

The bulldozing for ore locations was very inconclusive. The ground in which the work was to be done was found to contain very large boulders which made it difficult if not impossible in places to penetrate undisturbed bedrock. Some bulldozing had been done on some quartz stringers in which are exposed scattered specimens of lead and zinc minerals. This showing is not sufficiently promising to merit further work of diamond drilling. Therefore, it must be concluded that the bulldozing failed to expose sufficient showings of mineralized rock to initiate that part of the contract which allows for diamond drilling.

The operator indicates that labor is to be contracted for driving the adit tunnel. This work is to be initiated soon.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
JUL 14 1952

Hilmer E. Duffett

cc: [illegible]
[illegible]

M. E. Volin, Member, DMEA Field Team, Reg. II June 19, 1952

E. A. Magill, Mining Engineer, Bureau of Mines

Progress examination, Lucile Mine, Stevens County, Wash., Contract Idm-E22E, Docket No. 2123X (lead-zinc)

A routine progress examination was made of the subject property on June 7, 1952; I was accompanied by Willard Puffett of the U. S. Geological Survey.

No one was working on the property at the time of the visit.

A road to the new portal site, called for in paragraph 3, Stage I, has been completed.

The bulldozer trenches appeared to be completed although they were not entirely satisfactory inasmuch as several of them had not penetrated bedrock. Trenching is rather difficult in the area due to the large size of float boulders and the thickness of the overburden. No ore was observed in any of the trenches examined.

The Operators have commenced rehabilitation of the main adit preparatory to carrying on mining operations concurrently with the exploration program. Reportedly, they plan to use the Admiral mill to mill their ore.

E. A. Magill

Orig. to files
cc: USGS (2)
Wash., D.C. (2)
EAM

M. E. Volin, Member, DMEA Field Team, Reg. II May 20, 1952

E. A. Magill, mining engineer, Bureau of Mines

Progress examination of Lucile Mine, Stevens County, Wash., Contract Idm-E228, Docket No. 2123X (lead-zinc)

An attempt was made on May 15, 1952, to make a progress examination of the Lucile Mine. I was accompanied by Willard Puffett of the USGS.

We were unable to reach the property by truck due to the muddy condition of the road. It was obvious from the condition of the road that no vehicle had been over it recently.

It is understood that the applicant, Mr. Stephen Zoldok, carried out some surveying on the property during the early part of May. Reportedly no other work has been carried out this spring.

E. A. Magill

Orig. to files
cc: USGS, Spokane
2 cys - Wash.
EAM

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

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

Work

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT 28 1952

Month of May & June, 1952 Docket No. DMEA 2123X Contract No. 5228
Operator's Name Pacific Northwest Mining Co. Minerals Lead Zinc
Address 619 4th. St. Bremerton, Washington
Contract Amount, $7,257.00 Government Participation: 50 % Amount, $10,642.00

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						Keating Betty
Drilling						
Bulldozing	800.00		800.00	800.00		800.00
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor						
Supervision	625.00		625.00	625.00		625.00
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives	116.39		116.39	116.39		116.39
Pipe						
~~Track~~ Other	71.55		71.55	71.55		71.55
Steel	221.92		221.92	221.92		221.92
Gas, Oil & Grease	123.42		123.42	123.42		123.42
(4) Operating Equipment:						
Rental						
Purchase	4,435.55		4,435.55	4,435.55		4,435.55
Depreciation						
(5) Initial Rehabilitation and Repairs	99.83		99.83	99.83		99.83
(6) New Bldgs., Improvements, etc.	1,236.67		1,236.67	1,236.67		1,236.67
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	7,730.33		7,730.33	7,730.33		7,730.33

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

Date Aug. 6, 1952 Payee Pacific Northwest Mining Co.

Per Martin A. Monnau Title President

*When a voucher is signed or receipted in the name of a company or corporation, the name of the person writing the company or corporate name, as well as the capacity in which he signs, must appear. For example: "John Doe Company, per John Smith, Secretary," or "Treasurer," as the case may be.

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

(Instructions on reverse)

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

$ 3,865.16

Signature (Authorized Certifying Officer)

Date 10-21-52 Vou. No.

(See other side)

HK

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

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

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

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

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

MONTHLY REPORT OF OPERATOR

The Operator (Contractor) of an exploration project is required to make a monthly report to the Government through the Regional Executive Officer. This report consists of three parts as follows:

(*a*) *Form MF–104—Operator's Monthly Report and Voucher.*—This form details expenditures and constitutes a voucher for reimbursing the Operator for the Government's share of costs;

(*b*) *Form MF–104A—Operator's Unit Cost and Progress Report.*—This is a statistical report of expenditures which shows costs for the various types of operation; and

(*c*) *Narrative.*—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered must be furnished as an attachment to this Report and Voucher. Wherever possible, the narrative is to be illustrated with maps or sketches showing formations penetrated and location and assays of samples taken as well as advances in workings. In the case of diamond drilling or churn drilling, the location and inclination of holes is to be shown on a map; logs and assays also are to be submitted.

The Monthly Report of Operator should be prepared in an original and four copies all of which must be sent to the Executive Officer of the Region not later than the 15th of the month following.

Preparation of Form MF–104—Operator's Monthly Report and Voucher.—All the applicable spaces in Form MF–104 should be filled in by the Operator, and the Operator or his agent should sign the certification in the lower left corner of the form.

The items of costs are arranged in the order they appear in Article 6 (a) of Form MF–200 (Revised February 1952), however, this form is readily adaptable for use in reporting activities under other contract forms.

Under Item (1) delete words "Short Form" if the contract is a sub-contract under Form MF–200; and delete word "Independent" if the contract reported is on Form MF–200 (A). Also, report work paid for on a unit basis under contract Form MF–200 as though it were performed under an independent contract.

Under Item (2) include labor, supervision and technical services incurred for the exploratory operations. Do not include labor, supervision and technical services used for work performed under items (5) and (6).

Under Item (3) include the costs of material and supplies used in the project other than that used under items (5) and (6).

Under Item (4) appear the three types of operating equipment expenditures, that is, rental, purchase and depreciation. The expenditures made for renting equipment belonging to a third party will be reported under "Rental". The amount paid or duly obligated for payment for the purchase of equipment will be reported under "Purchase". The amount of expenditures due the Operator to reimburse him for depreciation of equipment owned will be reported under "Depreciation".

Item (5) comprises costs of labor, supervision, technical services, materials, etc., which are used in the initial rehabilitation and repair of existing buildings, installations, fixtures, and equipment. These costs, therefore, should not be reported under items (2) and (3).

Item (6) includes the labor, supervision, technical services, materials, etc., used in the installation or construction of new buildings, fixed improvements, etc., necessary for the project. These costs, therefore, should not be reported under items (2) and (3).

Item (7) covers miscellaneous types of expenditure such as payroll taxes, liability insurance, workmen's compensation insurance, repairs to equipment and sampling and analysis. Only that part of payroll taxes, liability insurance and workmen's compensation which are paid by the operator should be reported under item (7). The share paid by the employee as a payroll deduction is to be included under item (2) as labor costs.

Item (8) includes any unforeseen costs not included in the other seven categories.

The original of Form MF–104 when submitted for reimbursable expenses incurred under contract Form MF–200 must be supported by original documentation or by certified copies of purchase orders, payrolls or transcripts of payrolls, unless such documentation has been waived by the Regional Executive Officer. This certification may be stated thus, "Certified True Copy (or Transcript)", followed by appropriate signature. If the Executive Officer of the Region determines that a contract under Form MF–200 should have an "on-site" audit, that is, a Government auditor should make an audit of the Operator's books and records of account, the Operator need not support his monthly voucher with original or certified documents except in cases of equipment purchases whose individual costs exceed $50.00. In these cases the original or a certified copy of the purchase order or invoice should be attached to the Monthly Voucher. N. B.—Only the *original* of Form MF–104 is required to be documented. The four copies of Form MF–104 are not to be thus supported.

Form MF–104 submitted for reimbursement under fixed price contracts on Form MF–200 (A), however, are not required to be supported by documentation of any kind. The Operator will submit his claim under item (1) of Form MF–104 by deleting as stated above the word "Independent" and by showing the number of feet or other units immediately after the appropriate descriptive word, such as, drilling, bulldozing, crosscutting, drifting, etc., and giving the "Monthly Total" amount due. "Totals Previously Reported", and "Totals to Date" columns should also be filled in.

GPO 83-38476

Form MF-1-A
(April 1952)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT 28 1952

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of May & June 1952 Docket No. DMEA 2123X Contract No. [illegible]
Operator's Name Pacific Northwest Mining Co. Minerals Lead Zinc
Address 619 4th. St. Bremerton, Washington

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT	
							Units	Unit Costs
Drifting								
Crosscutting								
Raising								
Shafts								
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping		800.00	70%	800.00	70%			
Trenching								
Test Pits								
Roads and Trails								
Materials & Supplies		533.28		533.28				
TOTAL DISTRIBUTED COSTS		33.28 ~~1,376.32~~		33.28 ~~1,376.32~~				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased		4,435.55		4,435.55				
Initial Rehabilitation and Repairs		99.83		99.83				
New Buildings, Improvements, etc.		1,236.67		1,236.67				
Labor & Supervision		625.00		625.00				
TOTAL COSTS		7,730.33		7,730.33				

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

Date Aug. 6, 1952 Operator Pacific Northwest Mining Co.

Per Martin A. Monsson Title President

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

REMARKS:

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

GPO 83-38475

Pacific Northwest MINING COMPANY
619 FOURTH STREET • BREMERTON, WASHINGTON

~~619 FOURTH STREET • BREMERTON, WASHINGTON~~

Colville, Washington
July 22, 1952

PROGRESS REPORT
May--June 1952

May 20, 1952---arranged for A. K. Lotze dozer.
" 23, 1952---dozer started up hill.
" 24, 1952---dozer started work.
Starter trouble and broken spring on dozer at start.

Dozing on mine road	29	hrs.
" on #1 area	31.5	hrs.
" on #2 area	none	
" on #3 area	48.5	hrs.
Total dozing	109	hrs.

Dozing completed June 18, 1952.

Considerable difficulty was encountered in dozing a road to the proposed mine portal due to the rocky nature of the overburden.

Some galena mineralization was encountered in dozing the #1 area. Large limestone boulders near the contact made stripping very difficult. Results of stripping in the #1 area are considered inconclusive.

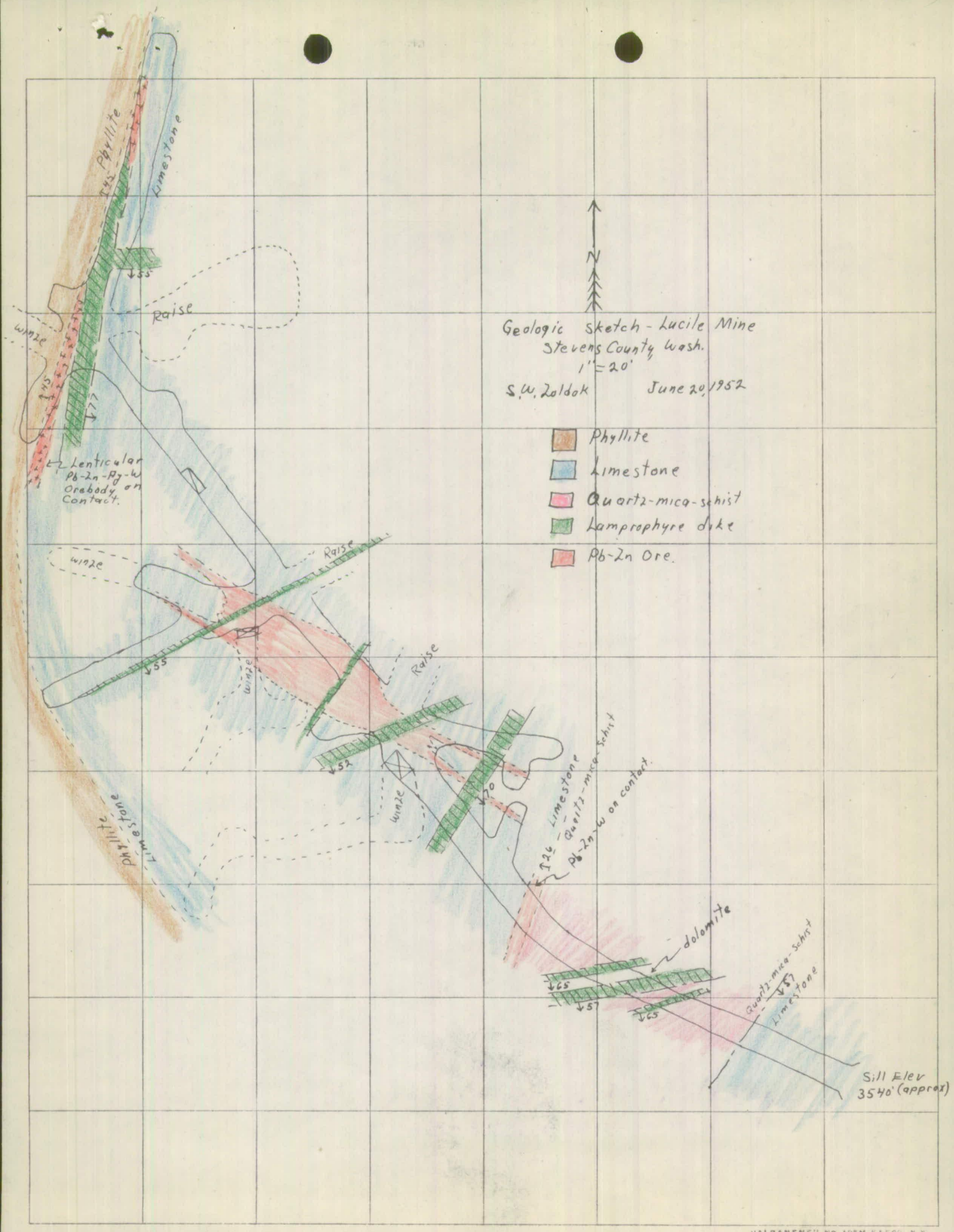
No stripping was done in the #2 area due to overtime dozing on the new mine road.

After about 30 hours of stripping in the #3 area the contact was found to be a fault contact consisting of a highly iron stained phyllite-lamprophyre gouge containing large drag boulders of limestone.

The balance of bulldozing time was transferred to the north of #3 area where a series of east-west trending "full-quartz" veins were believed to intersect the favorable limestone bed. One of these intersections was stripped and found to carry good galena mineralization where it entered the limestone. Although results of stripping in the #3 area are still inconclusive the existence of two ore shoots is indicated.

During June the water line was laid to the new portal, the compressor was put in operating condition and miscellaneous mining equipment ordered. Heavy rains have prevented delivery of much needed equipment to the mine.

Norman D Lindsley
Engineer in Charge



"ALBANENE" NO. 195M K&E CO., N.Y.
REG. U.S. PAT. OFF.