Standard Form No. 1081
7 GAO 4010

OFFICIAL FILE COPY
O. M. E.
RECEIVED JUL 8 1964

# VOUCHER AND SCHEDULE OF WITHDRAWALS AND CREDITS

Vou. No. _____ (Office Billed)

Vou. No. 01151 (Billing Office)

To Disbursing Officer—Office Billed _____ (D. O. Symbol)

You are authorized to effect the withdrawals and credits indicated below.

Disbursing Officer—Billing Office _____ (D. O. Symbol)

_____ (Address)

PAID BY

| WITHDRAW FROM— | | | PAY TO— | | |
|---|---|---|---|---|---|
| Department Interior | | | Department Interior | | |
| Bureau Office of the Secretary-Accounting Sect | | | Bureau Office of the Secretary-Accounting Sect | | |
| Agency Station Symbol 14-01-0001 | | | Agency Station Symbol 14-01-0001 | | |
| Address Washington, D. C. 20240 | | | Address Washington, D. C. 20240 | | |
| Bureau Reference | Summary: Appropriation or Fund Symbol | Summary: Amount | Bureau Reference | Summary: Appropriation or Fund Symbol | Summary: Amount |
| | 14X6875(01) | 629.00 | | 14X0108 | 629.00 |
| | Total | 629.00 | | Total | 629.00 |

Details of charges or reference to attached supporting documents

To transfer from suspense amount withheld & subsequently disallowed in accordance with report of review dated January 17, 1964 . Contract 2121-Northern Milling

For use of office billed:

For use of billing office:

CERTIFICATE OF OFFICE BILLED

I certify that the items listed herein are correct and proper for payment from the appropriation(s) designated

June 26, 1964 (Date)

(Authorized administrative or certifying officer) Opal A. Shelton

Paid by check No. _____ C/D No. _____ dated _____

☆ U. S. GOVERNMENT PRINTING OFFICE 1962 642953

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION
So. 157 Howard Street
Spokane 4, Washington
September 3, 1962

OFFICIAL FILE COPY
O. M. E
RECEIVED SEP 6 1962

| DATE | INIT | CODE |
|---|---|---|
| 9-6 | | 100 |
| | | 110 |
| | | 120 |
| 9/7 | | 800 |
| " | | 500 |
| 9/7 | | |

Memorandum

To: Chief, Division of Field Operations

From: Acting Field Officer, Region I

Subject: Interim report
OME-6082 (Lead-Zinc)
Northern Milling Company, Inc.
Marietta Mine
Broadwater County, Montana
Contract 2121

Paul Raber, president of the subject company, was met in Townsend the afternoon of August 27, 1962. He stated that no new contract work had been done since the last on-site inspection made April 24, 1962, although the drift east had been advanced 65 feet and one longhole had been driven northerly for about 80 feet from the bend in the drift for the Company's account. As there was no OME advance, the property was not visited. Raber reported that two samples of cuttings from the hole assayed as follows:

52-56 feet--0.25 ounce gold and 0.25 ounce silver per ton
56-60 feet--0.13 ounce gold and 0.06 ounce silver per ton.

The samples had not been assayed for lead and zinc, and the gold and silver assays are open to question as they were made by Ed Weiglenda, mine foreman. Raber gave me the pulps, which have been sent to Peter Mack, a commercial assayer, for check assays. The results are not yet available but will be forwarded when they are received.

The company is having financial difficulties and is presently negotiating with Afantis Exploration Company of Minneapolis, a group of iron companies operating principally in Minnesota. The Afantis engineers are now looking at properties in Chile but are expected back within a month or so, when they will visit the property. According to Raber, Afantis is particularly interested in pushing the crosscut to the Marietta vein and completing the OME contract work.

Northern Milling is also in the process of renegotiating the property lease.

If and when the negotiations are completed, OME will be furnished copies of the relevant documents.

D. R. MacLaren

Distribution:
OME(3), Docket, MacLaren

MME FORM 60
SEPT. 1959

RECEIVED
OCT 4 1962
U. S. G. S.
SPOKANE, WASH.

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION

OCT 10 1962
O.M.E.

Murphy file 6082

Docket No. 6082
Contract No. 14-23-090- 2121
Contract Amount $102,300.00
Gov't. Participation % 50 $51,150.00
Minerals Lead & Zinc

# OPERATOR'S MONTHLY VOUCHER

For Month of Apr. 16 - June 16 1962

Operator's Name NORTHERN MILLING COMPANY
Address Lock Drawer "G" - formerly P. O. Box 361, Townsend, Mont.

| COST CATEGORIES | FOR OPERATOR'S USE | | | FOR GOVERNMENT APPROVAL ONLY | | |
|---|---|---|---|---|---|---|
| | MONTHLY TOTAL | PREVIOUSLY REPORTED | TOTALS TO DATE | MONTHLY TOTAL | PREVIOUSLY REPORTED | TOTALS TO DATE |
| Fixed Unit Costs and | | | | | | |
| (1) Independent Contracts: | | | | | | |
| Bulldozing | | | | | | |
| Drifting | $1,258.00 | $9842.00 | $11,100.00 | 1,258.00 | 9,842.00 | 11,100.00 |
| Crosscutting | None | 18130.74 | 18130.74 | — | 18,130.74 | 18,130.74 |
| Drilling | | | | | | |
| (2) Personal Services: | | | | | | |
| Supervision & Technical | | | | | | |
| Outside Consultants | | | | | | |
| Labor | | | | | | |
| (3) Operating Mat'l. & Supplies: | | | | | | |
| Timber | | | | | | |
| Explosives | | | | | | |
| Pipe | | | | | | |
| Rail | | | | | | |
| (4) Operating Equipment: | | | | | | |
| Rental | | | | | | |
| Purchase | | | | | | |
| Depreciation | | | | | | |
| (5) Initial Rehab. & Repairs: | | | | | | |
| Buildings, Fixtures, etc. | | | | | | |
| Operating Equipment | | | | | | |
| (6) New Buildings, Fixtures, etc. | | | | | | |
| (7) Miscellaneous: | | | | | | |
| Repairs to Equipment | | | | | | |
| Analytical Work | | 130.00 | 130.00 | — | 130.00 | 130.00 |
| Payroll Taxes | | | | | | |
| Employee's Liability Ins. | | | | | | |
| TOTALS | $1258.00 | $28,102.74 | $29,360.74 | 1,258.00 | 28,102.74 | 29,360.74 |

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

Date 10/1/62 *Payee Northern Milling Company

Per Paul Raber Title President
Paul I. Raber

* 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.

A willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction is a criminal offense. (U.S. Code, Title 18, Sec. 1001.)

(INSTRUCTIONS ON REVERSE)

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

$ 629.00 to Suspense
-0- to Contractor

Signature BAB
(Authorized Certifying Officer)

Date 10/2/62 Vou. No. 2004

(SEE OTHER SIDE)

Certification by Government Representative:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating an exploration project in accordance with the terms of Contract No. 2121

Signature D.R. MacBaren Title Acting Field Officer Date OCT 5 1962

Approved by OME Executive Officer or Alternate:

Signature D.R. MacBaren Title Acting Field Officer Date OCT 5 1962

## OPERATOR'S MONTHLY REPORT

The Operator, under an Office of Minerals Exploration contract, is required to report monthly to the Government. The report consists of three parts.

FIRST, the Operator's Monthly Voucher on MME Form 60 listing the project costs incurred and claimed by the Operator is the voucher basis for payment of the Government's share of the cost.

SECOND, the Operator's Progress Report on MME Form 61 is a statistical report of the units and cost of of work performed under the contract.

THIRD, the Operator's Narrative Report is a concise description of the work performed, results accomplished, and any unusual situations encountered, illustrated and supported by engineering-geological maps or sketches, drill hole logs, assay reports, etc., as pertinent.

The Operator submits the original and four copies of each of the three sections of this report to the OME regional Executive Officer at the end of each month during the life of the contract.

## PREPARATION OF OPERATOR'S MONTHLY VOUCHER, MME FORM 60

After all applicable spaces are filled in, the Operator or his agent must sign the certification in the lower left corner. Categories (2) through (7) apply to "Actual Cost" contracts only.

Under "Fixed Unit Costs" and Category (1) report, (a) the total fixed unit costs of work performed under contract provisions for contribution by the Government on a basis of "fixed unit costs"; and (b) the claimed costs of work performed on a unit-price basis by independent contractors.

Under Category (2) include the claimed costs of all payrolled and invoiced supervisory, technical, and labor personnel, except the costs for services applicable to Categories (5) and (6).

Under Category (3) include the claimed costs of all project materials and supplies other than those used for work under Categories (5) and (6).

Under Category (4) report claimed rentals on equipment belonging to a third party, claimed payments or obligations for payments on the Operator's purchase of equipment, and claimed depreciation for the use of Operator-owned equipment.

Under Categories (5) and (6) include all claimed costs of labor, supervision, technical services, operating materials and supplies, and all other items used in (5) the initial rehabilitation and repairs of existing buildings, fixtures, installations (exclusive of mine workings), and operating equipment; and (6) the installation or construction of new buildings, fixtures, and fixed improvements (exclusive of mine workings). Do not report these costs under Categories (2), (3), (4), and (7).

Under Category (7) include all miscellaneous claimed costs such as repairs (other than initial) and maintenance of equipment, sampling and analysis, travel, communication, accounting, office expenses, and the Operator's share of payroll taxes and insurance.

Except for amounts claimed under "fixed unit costs" provisions of the contract, all costs claimed in this voucher must be supported by documentary evidence consisting of: (a) certified copies or transcripts of payrolls which list each employee, wage rate, period of employment, gross earnings, itemized deductions, and net earnings; (b) original or certified copies of invoices, statements of accounts, or purchase orders which indicate items of materials or services, quantities, unit prices, total charges, and payment terms; and (c) certified memoranda of the Operator for such items as depreciation of Operator-owned equipment, unemployment taxes, and employee's liability insurance. The certification may be stated thus, "Certified True Copy (or Transcript)", followed by the signature of the Operator or his agent. One copy of each document should accompany the original of this voucher.

The requirement for submitting documentary evidence of claimed costs may be waived by the OME regional Executive Officer if he determines that it is impracticable for an Operator to submit this material. In any case of waiver of this requirement an "on-site" audit by an OME auditor is mandatory prior to payment of the final Operator's Monthly Voucher.

MME FORM 61
SEPT. 1959

RECEIVED
OCT 4 1962
U. S. G. S.
SPOKANE, WASH.

# UNITED STATES
# DEPARTMENT OF THE INTERIOR
## OFFICE OF MINERALS EXPLORATION

## OPERATOR'S PROGRESS REPORT

For Month of Apr. 16 - June 16, 1962 Docket No. 6082

Operator's Name NORTHERN MILLING COMPANY Contract No. 14-23-090- 2121

| OPERATION | UNITS | FOR OPERATOR'S USE: UNITS THIS MONTH | UNITS TO DATE | COSTS TO DATE | FOR GOVERNMENT USE: APPROVED UNITS THIS MONTH | APPROVED UNITS TO DATE | APPROVED COSTS TO DATE |
|---|---|---|---|---|---|---|---|
| Drifting | 266 | 34 | 300 | $11,100.00 | 34 | 300 | 11,100.00 |
| Crosscutting | | | | | none | 490.02 | 18,130.74 |
| Raising | | | | | | | |
| Shafts | | | | | | | |
| Winzes | | | | | | | |
| Other Underground | | | | | | | |
| Drilling, Core-Diamond | | | | | | | |
| Rotary | | | | | | | |
| Drilling, Non-core-Diamond | | | | | | | |
| Rotary | | | | | | | |
| Churn | | | | | | | |
| Percussion | | | | | | | |
| Miscellaneous | | | | | | | |
| | | | | | | | |
| Roads and Trails | | | | | | | |
| Stripping | | | | | | | |
| Trenching | | | | | | | |
| Test Pitting | | | | | | | |
| Other Surface Work | | | | | | | |
| Initial Rehabilitation and Repairs | | | | | | | |
| Rehabilitation of Mine Workings | | | | | | | |
| New Buildings, Fixtures, etc. | | | | | | | |
| Operating Equipment Purchases | | | | | | | |
| Analytical Work | | | | 130.00 | | | 130.00 LL |
| TOTAL TO DATE (per MME Form 60) | | | | $29,360.74 | | | 29,360.74 |

REMARKS

(Continue on back)

REMARKS
LL Withhold payment pending resumption of work - see Amendment No 3

(Continue on back)

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 10/1/62 Operator Northern Milling Company

Per Paul I. Raber Title President

Paul I. Raber

A willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction is a criminal offense. (U.S. Code, Title 18, Sec. 1001.)

I certify that the information above is complete and accurate to the best of my knowledge and belief.

Signature D R Macbaren

Title Acting Field Officer
Government Representative

Date OCT 5 1962

(INSTRUCTIONS ON REVERSE)

REMARKS *(Cont.)*

REMARKS *(Cont.)*

## INSTRUCTIONS FOR PREPARING OPERATOR'S PROGRESS REPORT, MME FORM 61

This report is the second of the three parts of the Operator's Monthly Report. Submit the original and four copies.

The cost for each operation should be the total of all claimed costs attributable to that type of work with two exceptions, namely—operating equipment purchased and analytical work which are stated separately. For example, drifting costs should be the total of all costs chargeable to drifting including supervision, technical services, timbering (if any), etc. Similarly, drilling costs should include the cost of cementing, reaming, core boxes, etc. This procedure of distribution holds whether the contract was written on an actual cost or a unit cost basis, or some combination of the two. Distribute the cost of such general items as supervision, equipment rented, etc. according to relative footages or on some other conventional basis. The item "Initial Rehabilitation and Repairs" covers all rehabilitation and/or repairs other than the rehabilitation of mine workings.

The item titled "Drilling, Non-core Percussion" includes all drilling performed with wagon, jack-hammer, stoper and mounted drills. The several items labelled "Other" are provided to take care of particular exploration operations not specified on this form.

INT.DUP.,D.C.59- 61577

Docket 6082

Contract No. 2121
14-23-090

FOR MONTHS OF April 16 - June 16, 1962

OPERATOR'S NARRATIVE REPORT
Northern Milling Company
Lock Drawer "G" - formerly
P. O. Box 361 -
Townsend, Montana

Eighty-five feet (85') of drift was extended in the right drift of the Mason Tunnel, thirty-four feet (34') of which was authorized. One hole was drilled to the North with the assays as follows: -

52-56'..... Au .25; Ag .25

56-60'..... Au .13; Ag .06

After this work, an application for a recess was made.

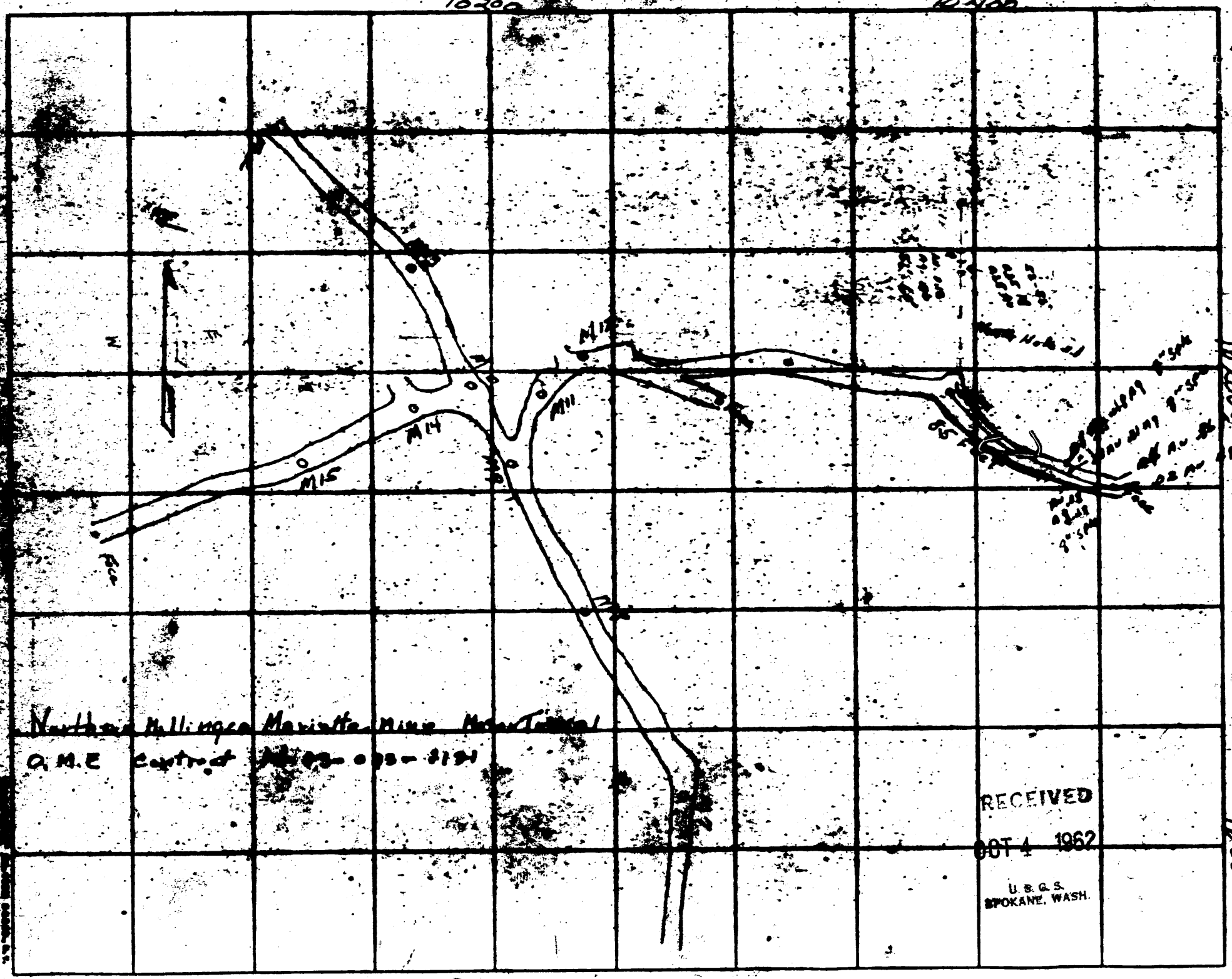
Date 10/1/62

Per Paul I. Raber
Paul I. Raber

Payee NORTHERN MILLING COMPANY

President

RECEIVED
OCT 4 1962
U. S. G. S.
SPOKANE, WASH.


10200
10400
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M12
M11
M14
M15
65
Northern Hillinger Marietta Mine Mont Tunnel
O.M.E Contract
RECEIVED
OCT 4 1962
U.S.G.S.
SPOKANE, WASH.

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION
So. 157 Howard Street
Spokane 4, Washington
May 17, 1962

OFFICIAL FILE COPY
O. M. E
RECEIVED MAY 21, 1962

| DATE | INITIALS | CODE |
|---|---|---|
| 5-21 | | |
| 5/21 | | 100 |
| | | 110 |
| | | 120 |
| 5/22 | | 800 |
| | Brasweed | 500 |
| | Murphy | |

Memorandum

To: Chief, Division of Field Operations

From: Acting Field Officer, Region I

Subject: Interim inspection report, OME-6082 (~~Lead-Zinc~~), Northern Milling Company, Inc., Marietta Mine, Broadwater County, Montana, Contract 2121

The project work was inspected April 24, 1962, in the company of Ed Wieglenda, Superintendent. The last inspection was made December 8, 1961.

The face of the main crosscut was 95 feet beyond station 13 for a total advance of 492.2 feet, or 12 feet since the last inspection.

From the face of the east drift, the operator, for his own account, drilled four long holes, reportedly as follows (see accompanying sketch):

| Hole | Bearing | Inclination | Depth | Sludge assays |
|---|---|---|---|---|
| LH #1 | S. 55° E. | Horizontal | 100 ft. | None |
| LH #2 | S. 75° E. | + 10° | 48 ft. | 16'-20', 0.05 Au--0.02 Ag |
| LH #3 | S. 30° E. | + 43° | 80 ft. | 32'-36', 0.02 Au--1.98 Ag<br>56'-60', 0.05 Au--0.06 Ag |
| LH #4 | S. 35° E. | + 43° | 64 ft. | 56'-60', 4.2 Au--10.5 Ag |

Based on the showing in LH #4, the operator turned the east drift to a bearing of S. 43° E. and by the date of the inspection had advanced the face 17 feet, which brings the total drifting on the Gold Dust vein to 306 feet; only 300 feet has been authorized, so the final 6 feet is for the operator's account.

266' claimed ? O.K.

It is beginning to appear that the Gold Dust vein may have died out east of the fault before reaching the Mason tunnel level, but this leaves unexplained the vein to the west of the crosscut, which shows every indication of being bent, shattered, and dragged by a strong fault at its east end. There are two other possibilities, one that the dip of the vein has flattened between the No. 5 and Mason tunnel levels and is farther south than the end of LH #1. The other possibility is that there was reverse movement along the 75° southwest-dipping fault and the Gold Dust vein is north of the last turn in the east drift at B.

That the vein is south of the end of LH #1 is probably the best bet, but because of the possibility of the reverse movement placing it north of B I am reluctant to authorize the remaining 100 feet of drifting provided in the contract for this vein until that possibility has been ruled out. For that reason I have written the applicant, suggesting that he drill a long hole north from B before continuing the drift. If he drills the hole as suggested and the vein is not found, I will authorize continuing the drift 100 feet. This may not reach the vein, but a long hole southerly from the face should settle the question of whether or not the vein has died out above the Mason tunnel level.

The slight progress since the last inspection has been due in part to excessively heavy snowfall and in part to a power failure.

D R MacLaren

D. R. MacLaren

Enclosure

OME-6082

Northern Milling Company
Mason Tunnel Level
Marietta Mine

N
W E
S

LH #1 S55°E Hor. 100 ft
LH #2 S75°E +10° 48 ft
LH #3 S30°E +43° 80 ft
LH #4 S35°E +43° 64 ft

face 4-25-62
face 12-8-61
M-13
M-10
M-12
M-11
M-9
90' end OME
Gold Dust vein
DDH 20 ft
Stent of 5 ft drift 100 ft to turn
12" 1.89 Au 2.0 Ag 4.6 Pb 3.0 Zn
" 0.04 Au 0.2 Ag
face 12-8-61
13200 N
2nd LH 189 ft S88°E Hor.
B
LH #2
LH #4
LH #3
LH #1
DDH's 83 ft +5° and 64 ft horizont.
S74°E
Gold Dust projected from Nor level at 45° dip
50 25 0 50 feet

"ALBANENE" No. 1080 K&E CO., N.Y.
J. A. Gendron Co., Spokane

OFFICIAL FILE COPY
O. M. E
RECEIVED JAN 2 1962

| DATE | INITIALS | CODE |
|---|---|---|
| 1-2 | | 100 |
| | | ~~110~~ |
| | | ~~500~~ |
| | | ~~800~~ |
| | DEC 28 1961 | 110 |
| 1/4 | | ~~800~~ |
| | | 500 |
| 1/4 | | |


UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION
So. 157 Howard Street
Spokane 4, Washington
December 21, 1961

Memorandum

To: Chief, Division of Field Operations

From: Acting Field Officer, Region I

Subject: Interim inspection report, OME-6082 (Lead-Zinc), Northern Milling Company, Inc., Marietta Mine, Broadwater County, Montana, Contract 2121

The project work was inspected and the mapping was brought up-to-date December 8, 1961, accompanied by Suk Koo Yoon, a trainee from Korea, and Ed Wieglanda, Superintendent. The last inspection was made September 14, 1961.

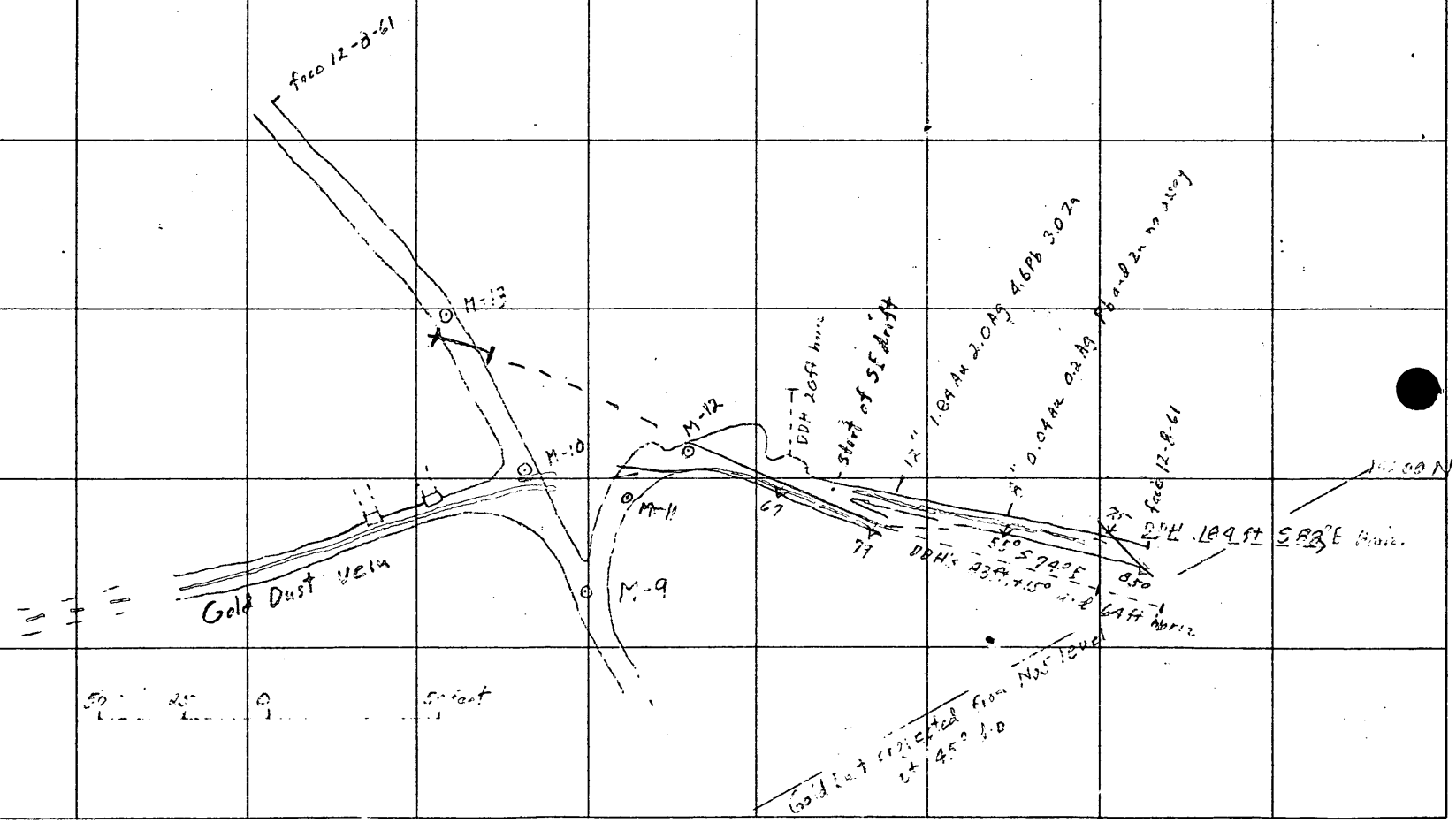
The face of the main crosscut measured 83 feet from station 13 for a total advance of 480.2 feet or 19.4 feet since the last inspection. About 44 feet from station M-12 a drift was started bearing S. 77° E. to look for the faulted portion of the Gold Dust vein and was driven 95 feet. The first round disclosed a small quartz stringer that rapidly opened to a vein about 1-foot wide containing a 25-foot long lens of galena and sphalerite with small amounts of pyrite. A sample of this material assayed 1.84 ounces gold and 2.0 ounces silver per ton over a 12-inch width. The lens pinched, but a definite strong structure continued to a point about 68 feet from the start of the drift where it died out. Although no sulfides other than a few flakes of pyrite were seen, a second sample was taken about 50 feet from the starting point. It assayed 0.04 ounce gold and 0.2 ounce silver per ton; no assay for lead or zinc was made. About 70 feet from the starting point of the drift the vein structure feathered out. At 90 feet a fairly strong clay and shear seam up to 6 inches wide was cut. It strikes about N. 47° W. and dips 75°-85° SW. It is believed that the vein is a tension fracture and that the clay is probably related to the fault that offset the Gold Dust vein. Mr. Wieglanda was advised to continue the drift the remaining 55 feet authorized. He stated that before doing so the company for its own account would diamond drill southeasterly from the present face, and if this was unsuccessful, probably would drill a hole northerly.

D. R. MacLaren
MLS
D. R. MacLaren

Enclosure
Distribution:
OME(Orig.&2); Docket; MacLaren

Docket 6082

Northern Milling Company
Mason Tunnel Level
Marietta Mine




"ALBANENE" No. 1009 KALCO, N.Y. Pat. 677

J. A. Gendron Co., Spokane

MME FORM 60
SEPT. 1959

RECEIVED JAN 2 1962 Air Mail Reg. Mail U.S.G.S. R.R.R. SPOKANE

SW 1031. Processed

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION

Docket No. 6082 ~~Murphy~~
Contract No. 14-23-090-2121

# OPERATOR'S MONTHLY VOUCHER

For Month of Nov. 28-Dec. 28, 1961

Contract Amount $102,300.00
Gov't Participation %50 $51,150.00
Mineral(s) Lead & Zinc

Operator's Name NORTHERN MILLING COMPANY
Address P. O. Box 361, Townsend, Montana

| COST CATEGORIES | FOR OPERATOR'S USE | | | FOR GOVERNMENT APPROVAL ONLY | | |
|---|---|---|---|---|---|---|
| | MONTHLY TOTAL | PREVIOUSLY REPORTED | TOTALS TO DATE | MONTHLY TOTAL | PREVIOUSLY REPORTED | TOTALS TO DATE |
| Fixed Unit Costs and | | | | | | |
| (1) Independent Contracts: | | | | | | |
| Bulldozing | | | | | | |
| Drifting | $1,887.00 | $ 7,955.00 | $ 9,842.00 | | | |
| Crosscutting | 481.00 | 17,649.74 | 18,130.74 | | | |
| Drilling | | | | | | |
| (2) Personal Services: | | | | | | |
| Supervision & Technical | | | | | | |
| Outside Consultants | | | | | | |
| Labor | | | | | | |
| (3) Operating Mat'l. & Supplies: | | | | | | |
| Timber | | | | | | |
| Explosives | | | | | | |
| Pipe | | | | | | |
| Rail | | | | | | |
| (4) Operating Equipment: | | | | | | |
| Rental | | | | | | |
| Purchase | | | | | | |
| Depreciation | | | | | | |
| (5) Initial Rehab. & Repairs: | | | | | | |
| Buildings, Fixtures, etc. | | | | | | |
| Operating Equipment | | | | | | |
| (6) New Buildings, Fixtures, etc. | | | | | | |
| (7) Miscellaneous: | | | | | | |
| Repairs to Equipment | | | | | | |
| Analytical Work | | 130.00 | 130.00 | | | |
| Payroll Taxes | | | | | | |
| Employee's Liability Ins. | | | | | | |
| TOTALS | 2368.00 | 25,734.74 | $28,102.74 | 2368.00 | 25,734.74 | 28,102.74 |

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

Date 12/28/61 *Payee NORTHERN MILLING COMPANY

Per Paul I. Baber Title President
Paul I. Baber

* 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.

A willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction is a criminal offense. (U.S. Code, Title 18, Sec. 1001.)

(INSTRUCTIONS ON REVERSE)

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

$ 1184.00

Signature OAS
(Authorized Certifying Officer)

Date 1/11/62 Vou. No. 3153

(SEE OTHER SIDE)

Certification by Government Representative:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating an exploration project in accordance with the terms of Contract No. 2121

Signature D K Macharen Title Acting Field Officer, Region I Date JAN 3 1962

Approved by OME Executive Officer or Alternate:

Signature D K Macharen Title Acting Field Officer, Region I Date JAN 3 1962

## OPERATOR'S MONTHLY REPORT

The Operator, under an Office of Minerals Exploration contract, is required to report monthly to the Government. The report consists of three parts.

FIRST, the Operator's Monthly Voucher on MME Form 60 listing the project costs incurred and claimed by the Operator is the voucher basis for payment of the Government's share of the cost.

SECOND, the Operator's Progress Report on MME Form 61 is a statistical report of the units and cost of of work performed under the contract.

THIRD, the Operator's Narrative Report is a concise description of the work performed, results accomplished, and any unusual situations encountered, illustrated and supported by engineering-geological maps or sketches, drill hole logs, assay reports, etc., as pertinent.

The Operator submits the original and four copies of each of the three sections of this report to the OME regional Executive Officer at the end of each month during the life of the contract.

## PREPARATION OF OPERATOR'S MONTHLY VOUCHER, MME FORM 60

After all applicable spaces are filled in, the Operator or his agent must sign the certification in the lower left corner. Categories (2) through (7) apply to "Actual Cost" contracts only.

Under "Fixed Unit Costs" and Category (1) report, (a) the total fixed unit costs of work performed under contract provisions for contribution by the Government on a basis of "fixed unit costs"; and (b) the claimed costs of work performed on a unit-price basis by independent contractors.

Under Category (2) include the claimed costs of all payrolled and invoiced supervisory, technical, and labor personnel, except the costs for services applicable to Categories (5) and (6).

Under Category (3) include the claimed costs of all project materials and supplies other than those used for work under Categories (5) and (6).

Under Category (4) report claimed rentals on equipment belonging to a third party, claimed payments or obligations for payments on the Operator's purchase of equipment, and claimed depreciation for the use of Operator-owned equipment.

Under Categories (5) and (6) include all claimed costs of labor, supervision, technical services, operating materials and supplies, and all other items used in (5) the initial rehabilitation and repairs of existing buildings, fixtures, installations (exclusive of mine workings), and operating equipment; and (6) the installation or construction of new buildings, fixtures, and fixed improvements (exclusive of mine workings). Do not report these costs under Categories (2), (3), (4), and (7).

Under Category (7) include all miscellaneous claimed costs such as repairs (other than initial) and maintenance of equipment, sampling and analysis, travel, communication, accounting, office expenses, and the Operator's share of payroll taxes and insurance.

Except for amounts claimed under "fixed unit costs" provisions of the contract, all costs claimed in this voucher must be supported by documentary evidence consisting of: (a) certified copies or transcripts of payrolls which list each employee, wage rate, period of employment, gross earnings, itemized deductions, and net earnings; (b) original or certified copies of invoices, statements of accounts, or purchase orders which indicate items of materials or services, quantities, unit prices, total charges, and payment terms; and (c) certified memoranda of the Operator for such items as depreciation of Operator-owned equipment, unemployment taxes, and employee's liability insurance. The certification may be stated thus, "Certified True Copy (or Transcript)", followed by the signature of the Operator or his agent. One copy of each document should accompany the original of this voucher.

The requirement for submitting documentary evidence of claimed costs may be waived by the OME regional Executive Officer if he determines that it is impracticable for an Operator to submit this material. In any case of waiver of this requirement an "on-site" audit by an OME auditor is mandatory prior to payment of the final Operator's Monthly Voucher.

MME FORM 6.1
SEPT. 1959

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JAN 2 1962
U.S. S.L.R.
SPOKANE, WASH.

# UNITED STATES
# DEPARTMENT OF THE INTERIOR
## OFFICE OF MINERALS EXPLORATION

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OPERATOR'S PROGRESS REPORT

For Month of November 28-December 28, 1961

Docket No. 6082

Operator's Name NORTHERN MILLING COMPANY

Contract No. 14-23-090- 2121

| OPERATION | UNITS | FOR OPERATOR'S USE: UNITS THIS MONTH | UNITS TO DATE | COSTS TO DATE | FOR GOVERNMENT USE: APPROVED UNITS THIS MONTH | APPROVED UNITS TO DATE | APPROVED COSTS TO DATE |
|---|---|---|---|---|---|---|---|
| Drifting | 215 | 51 | 266 | $ 9,842.00 | 51 ft | 266 ft | $ 9842.00 |
| Crosscutting | 477.02 | 13 | 490.02 | 18,130.74 | 13 ft | 490.02 ft | 18,130.74 |
| Raising | | | | | | | |
| Shafts | | | | | | | |
| Winzes | | | | | | | |
| Other Underground | | | | | | | |
| Drilling, Core-Diamond | | | | | | | |
| Rotary | | | | | | | |
| Drilling, Non-core-Diamond | | | | | | | |
| Rotary | | | | | | | |
| Churn | | | | | | | |
| Percussion | | | | | | | |
| Miscellaneous | | | | | | | |
| | | | | | | | |
| Roads and Trails | | | | | | | |
| Stripping | | | | | | | |
| Trenching | | | | | | | |
| Test Pitting | | | | | | | |
| Other Surface Work | | | | | | | |
| Initial Rehabilitation and Repairs | | | | | | | |
| Rehabilitation of Mine Workings | | | | | | | |
| New Buildings, Fixtures, etc. | | | | | | | |
| Operating Equipment Purchases | | | | | | | |
| Analytical Work | | | | 130.00 | | | 130.00 |
| TOTAL TO DATE *(per MME Form 60)* | | | | $28,102.74 | | | $28,102.74 |

REMARKS

*(Continue on back)*

REMARKS

*(Continue on back)*

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

Date 12/28/61 Operator Northern Milling Company

Per Paul I. Raber Title President

Paul I. Raber

A willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction is a criminal offense. (U.S. Code, Title 18, Sec. 1001.)

I certify that the information above is complete and accurate to the best of my knowledge and belief.

Signature D. R. Wachsen

Title Acting Field Officer, Region I
Government Representative

Date JAN 3 1962

(INSTRUCTIONS ON REVERSE)

REMARKS *(Cont.)*

REMARKS *(Cont.)*

## INSTRUCTIONS FOR PREPARING OPERATOR'S PROGRESS REPORT, MME FORM 61

This report is the second of the three parts of the Operator's Monthly Report. Submit the original and four copies.

The cost for each operation should be the total of all claimed costs attributable to that type of work with two exceptions, namely—operating equipment purchased and analytical work which are stated separately. For example, drifting costs should be the total of all costs chargeable to drifting including supervision, technical services, timbering (if any), etc. Similarly, drilling costs should include the cost of cementing, reaming, core boxes, etc. This procedure of distribution holds whether the contract was written on an actual cost or a unit cost basis, or some combination of the two. Distribute the cost of such general items as supervision, equipment rented, etc. according to relative footages or on some other conventional basis. The item "Initial Rehabilitation and Repairs" covers all rehabilitation and/or repairs other than the rehabilitation of mine workings.

The item titled "Drilling, Non-core Percussion" includes all drilling performed with wagon, jack-hammer, stoper and mounted drills. The several items labelled "Other" are provided to take care of particular exploration operations not specified on this form.

Docket 6082

Contract No. 2121
14-23-090

FOR MONTHS OF November 28 - December 28, 1961

OPERATOR'S NARRATIVE REPORT
Northern Milling Company
P. O. Box 361, Townsend, Montana

For the period of November 28 - December 28 the drift to the East was extended fifty-one (51) feet. The cross-cut to the Northwest was extended thirteen (13) feet, making a total of sixty-four (64) feet of extension.

The vein in the East drift narrowed as it approached a fault. In line with Mr. MacLaren's suggestion, we are long-hole drilling in various directions at the end of the East drift. We have sampled the vein in the East drift, but, apparently due to the holidays, we do not have the assay returns. We will send them along under separate cover as soon as we receive them.

No change was encountered in the cross-cut - - the rock in the cross-cut is quite hard and short-breaking.

Date December 28, 1961

Per Paul I. Raber

Paul I. Raber

Payee NORTHERN MILLING COMPANY

President

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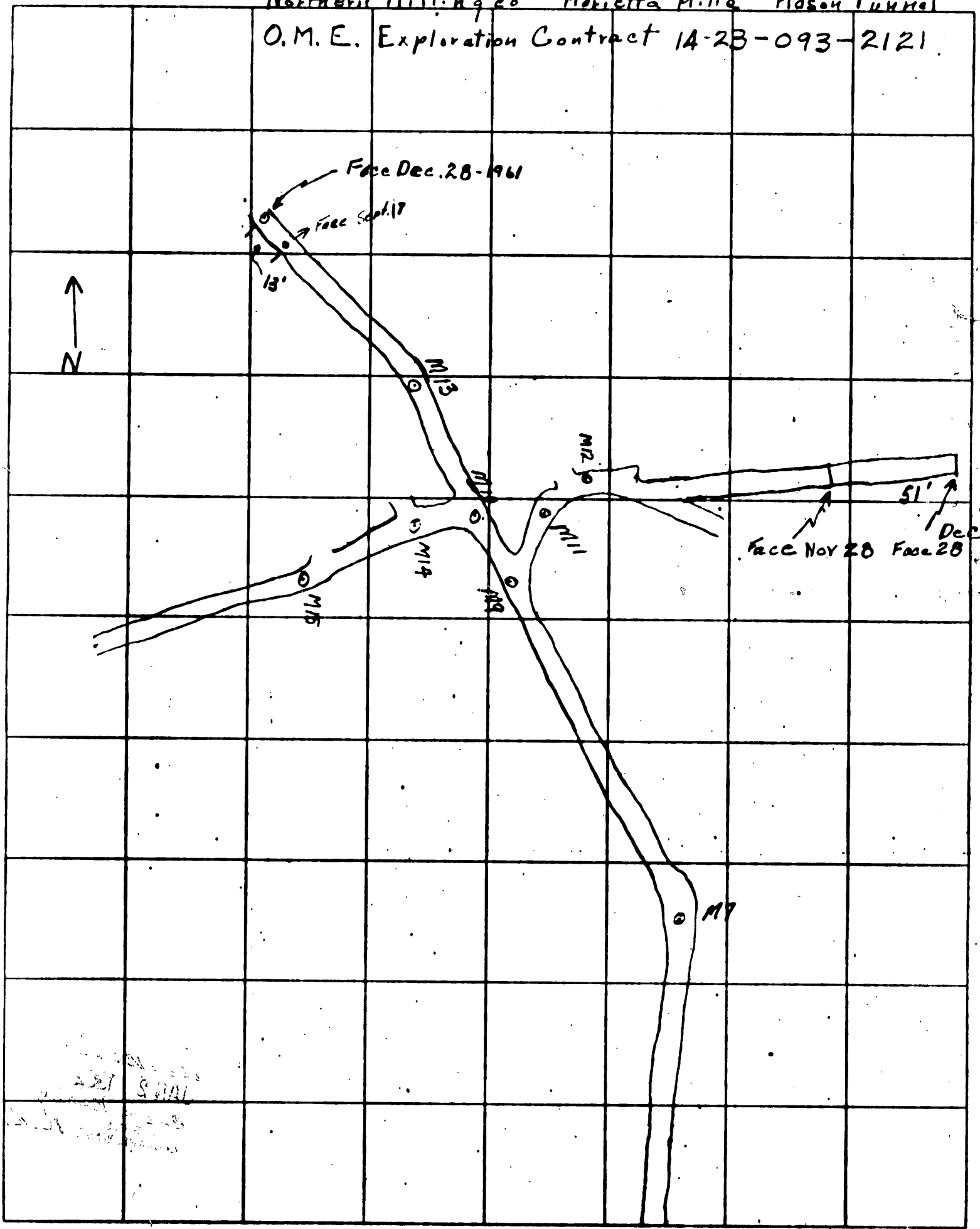
cert. mail
R. R.
U.S.G.S.
SPOKANE, WASH.

Northern Millingeo Marietta Mine Mason Tunnel

O.M.E. Exploration Contract 14-23-093-2121



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SPOKANE, WASH.
R.R.R.
JAN 5 1952

MME FORM 60
SEPT. 1959

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SPOKANE, WASH.

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UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION

Docket No. 6082
Contract No.
14-23-090- 2121

# OPERATOR'S MONTHLY VOUCHER

For Month of Sept. 19-Nov. 28

Contract Amount $102,300.00
Gov't. Participation 50 $51,150.00
Mineral(s) Lead & Zinc

Operator's Name NORTHERN MILLING COMPANY
Address P. O. Box 361, Townsend, Montana

| COST CATEGORIES | FOR OPERATOR'S USE | | | FOR GOVERNMENT APPROVAL ONLY | | |
|---|---|---|---|---|---|---|
| | MONTHLY TOTAL | PREVIOUSLY REPORTED | TOTALS TO DATE | MONTHLY TOTAL | PREVIOUSLY REPORTED | TOTALS TO DATE |
| Fixed Unit Costs and | | | | | | |
| (1) Independent Contracts: | | | | | | |
| Bulldozing | | | | | | |
| Drifting | $2,405.00 | $ 5,550.00 | $ 7,955.00 | | | |
| Crosscutting | None | 17,649.74 | 17,649.74 | | | |
| Drilling | | | | | | |
| (2) Personal Services: | | | | | | |
| Supervision & Technical | | | | | | |
| Outside Consultants | | | | | | |
| Labor | | | | | | |
| (3) Operating Mat'l. & Supplies: | | | | | | |
| Timber | | | | | | |
| Explosives | | | | | | |
| Pipe | | | | | | |
| Rail | | | | | | |
| (4) Operating Equipment: | | | | | | |
| Rental | | | | | | |
| Purchase | | | | | | |
| Depreciation | | | | | | |
| (5) Initial Rehab. & Repairs: | | | | | | |
| Buildings, Fixtures, etc. | | | | | | |
| Operating Equipment | | | | | | |
| (6) New Buildings, Fixtures, etc. | | | | | | |
| (7) Miscellaneous: | | | | | | |
| Repairs to Equipment | | | | | | |
| Analytical Work | | 130.00 | 130.00 | | | |
| Payroll Taxes | | | | | | |
| Employee's Liability Ins. | | | | | | |
| TOTALS | $2,405.00 | $23,329.74 | $25,734.74 | 2405.00 | 23,329.74 | 25,734.74 |

EXTRA COPY
O. M. E
RECEIVED DEC 8 1961

| DATE | INITIALS | CODE |
|---|---|---|
| 12/11 | | 100 |
| 12/11 | | 110 |
| | | 140 |
| 12/11 | | 500 |
| | Murphy | |

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

Date 11/28/61 *Payee Northern Milling Company

Per Paul I. Raber Title President

Paul I. Raber

* 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.

A willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction is a criminal offense. (U.S. Code, Title 18, Sec. 1001.)

(INSTRUCTIONS ON REVERSE)

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

$ 1202 50

Signature OAS
(Authorized Certifying Officer)

Date 12/7/61 Vou. No. 2736

(SEE OTHER SIDE)

Certification by Government Representative:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating an exploration project in accordance with the terms of Contract No. 2121

Signature D.R. Zachary Title Acting Field Officer, Region I Date DEC 1 1961

Approved by OME Executive Officer or Alternate:

Signature D.R. Zachary Title Acting Field Officer, Region I Date DEC 1 1961

## OPERATOR'S MONTHLY REPORT

The Operator, under an Office of Minerals Exploration contract, is required to report monthly to the Government. The report consists of three parts.

FIRST, the Operator's Monthly Voucher on MME Form 60 listing the project costs incurred and claimed by the Operator is the voucher basis for payment of the Government's share of the cost.

SECOND, the Operator's Progress Report on MME Form 61 is a statistical report of the units and cost of of work performed under the contract.

THIRD, the Operator's Narrative Report is a concise description of the work performed, results accomplished, and any unusual situations encountered, illustrated and supported by engineering-geological maps or sketches, drill hole logs, assay reports, etc., as pertinent.

The Operator submits the original and four copies of each of the three sections of this report to the OME regional Executive Officer at the end of each month during the life of the contract.

## PREPARATION OF OPERATOR'S MONTHLY VOUCHER, MME FORM 60

After all applicable spaces are filled in, the Operator or his agent must sign the certification in the lower left corner. Categories (2) through (7) apply to "Actual Cost" contracts only.

Under "Fixed Unit Costs" and Category (1) report, (a) the total fixed unit costs of work performed under contract provisions for contribution by the Government on a basis of "fixed unit costs"; and (b) the claimed costs of work performed on a unit-price basis by independent contractors.

Under Category (2) include the claimed costs of all payrolled and invoiced supervisory, technical, and labor personnel, except the costs for services applicable to Categories (5) and (6).

Under Category (3) include the claimed costs of all project materials and supplies other than those used for work under Categories (5) and (6).

Under Category (4) report claimed rentals on equipment belonging to a third party, claimed payments or obligations for payments on the Operator's purchase of equipment, and claimed depreciation for the use of Operator-owned equipment.

Under Categories (5) and (6) include all claimed costs of labor, supervision, technical services, operating materials and supplies, and all other items used in (5) the initial rehabilitation and repairs of existing buildings, fixtures, installations (exclusive of mine workings), and operating equipment; and (6) the installation or construction of new buildings, fixtures, and fixed improvements (exclusive of mine workings). Do not report these costs under Categories (2), (3), (4), and (7).

Under Category (7) include all miscellaneous claimed costs such as repairs (other than initial) and maintenance of equipment, sampling and analysis, travel, communication, accounting, office expenses, and the Operator's share of payroll taxes and insurance.

Except for amounts claimed under "fixed unit costs" provisions of the contract, all costs claimed in this voucher must be supported by documentary evidence consisting of: (a) certified copies or transcripts of payrolls which list each employee, wage rate, period of employment, gross earnings, itemized deductions, and net earnings; (b) original or certified copies of invoices, statements of accounts, or purchase orders which indicate items of materials or services, quantities, unit prices, total charges, and payment terms; and (c) certified memoranda of the Operator for such items as depreciation of Operator-owned equipment, unemployment taxes, and employee's liability insurance. The certification may be stated thus, "Certified True Copy (or Transcript)", followed by the signature of the Operator or his agent. One copy of each document should accompany the original of this voucher.

The requirement for submitting documentary evidence of claimed costs may be waived by the OME regional Executive Officer if he determines that it is impracticable for an Operator to submit this material. In any case of waiver of this requirement an "on-site" audit by an OME auditor is mandatory prior to payment of the final Operator's Monthly Voucher.

MME FORM 61
SEPT. 1959

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# UNITED STATES
# DEPARTMENT OF THE INTERIOR
## OFFICE OF MINERALS EXPLORATION

OPERATOR'S PROGRESS REPORT — For Month of Sept. 18-Nov. 28, 1961 — Docket No. 6082

Operator's Name NORTHERN MILLING COMPANY — Contract No. 14-23-090-2121

| OPERATION | UNITS | FOR OPERATOR'S USE: UNITS THIS MONTH | UNITS TO DATE | COSTS TO DATE | FOR GOVERNMENT USE: APPROVED UNITS THIS MONTH | APPROVED UNITS TO DATE | APPROVED COSTS TO DATE |
|---|---|---|---|---|---|---|---|
| Drifting | 150 | 65 | 215 | $ 7,955.00 | 65 ft | 215 ft | 7955.00 |
| Crosscutting | 477.02 | None | 477.02 | 17,649.74 | None | 477.02 ft | 17,649.74 |
| Raising | | | | | | | |
| Shafts | | | | | | | |
| Winzes | | | | | | | |
| Other Underground | | | | | | | |
| Drilling, Core-Diamond | | | | | | | |
| Rotary | | | | | | | |
| Drilling, Non-core-Diamond | | | | | | | |
| Rotary | | | | | | | |
| Churn | | | | | | | |
| Percussion | | | | | | | |
| Miscellaneous | | | | | | | |
| | | | | | | | |
| Roads and Trails | | | | | | | |
| Stripping | | | | | | | |
| Trenching | | | | | | | |
| Test Pitting | | | | | | | |
| Other Surface Work | | | | | | | |
| Initial Rehabilitation and Repairs | | | | | | | |
| Rehabilitation of Mine Workings | | | | | | | |
| New Buildings, Fixtures, etc. | | | | | | | |
| Operating Equipment Purchases | | | | | | | |
| Analytical Work | | | | 130.00 | | | 130.00 |
| TOTAL TO DATE *(per MME Form 60)* | | | | $25,734.74 | | | 25,734.74 |

REMARKS

*(Continue on back)*

REMARKS

*(Continue on back)*

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 11/28/61 Operator Northern Milling Company

Per Paul I. Raber Title President

Paul I. Raber

A willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction is a criminal offense. (U.S. Code, Title 18, Sec. 1001.)

I certify that the information above is complete and accurate to the best of my knowledge and belief.

Signature D.R. Mackaven

Title Acting Field Officer, Region I
Government Representative

Date DEC 1 1961

(INSTRUCTIONS ON REVERSE)

REMARKS *(Cont.)*

REMARKS *(Cont.)*

## INSTRUCTIONS FOR PREPARING OPERATOR'S PROGRESS REPORT, MME FORM 61

This report is the second of the three parts of the Operator's Monthly Report. Submit the original and four copies.

The cost for each operation should be the total of all claimed costs attributable to that type of work with two exceptions, namely—operating equipment purchased and analytical work which are stated separately. For example, drifting costs should be the total of all costs chargeable to drifting including supervision, technical services, timbering (if any), etc. Similarly, drilling costs should include the cost of cementing, reaming, core boxes, etc. This procedure of distribution holds whether the contract was written on an actual cost or a unit cost basis, or some combination of the two. Distribute the cost of such general items as supervision, equipment rented, etc. according to relative footages or on some other conventional basis. The item "Initial Rehabilitation and Repairs" covers all rehabilitation and/or repairs other than the rehabilitation of mine workings.

The item titled "Drilling, Non-core Percussion" includes all drilling performed with wagon, jack-hammer, stoper and mounted drills. The several items labelled "Other" are provided to take care of particular exploration operations not specified on this form.

Docket 6082

Contract No. 2121
14-23-090

FOR MONTHS OF September 19 - November 28, 1961
OPERATOR'S NARRATIVE REPORT
Northern Milling Company
P. O. Box 361, Townsend, Montana

Since our last reporting date we have extended the raise at M14 to approximately 110 feet. We discontinued the raise in order to start the drift to locate the eastern part of the Gold Dust Vein. We used the same crew on the drift as we were using in the raise.

We started the North-easterly drift at a point recommended by Mr. D. R. MacLaren, which was thirty (30) feet back from the South-east drift face. The Gold Dust structure was encountered in the new drift at approximately eight (8) feet of advance.

The drift was continued in a N85°E direction following the Gold Dust vein. The same type ore was found in the vein as was found in the west drift on the Gold Dust vein. The displacement of the eastern part of the Gold Dust vein is approximately twenty (20) feet southeast of the vein in the western part of the Gold Dust vein.

The new drift on the Gold Dust vein to the east has been advanced to a point sixty-five (65) feet from the side of the drift on the fault. The above-mentioned work was done because of the approval by OME of One-hundred-fifty (150) feet of drift to the east to locate the eastern part of the Gold Dust vein.

A car sample of a drift round at a point twenty-five (25) feet back of the face assayed as follows: Gold .36; Silver .3; Lead 1.5%. The vein at the face is approximately thirty (30) inches wide and appears to be turning gradually northerly.

Date November 28, 1961 Payee NORTHERN MILLING COMPANY

Per Paul I. Haber President

Paul I. Haber

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Via air mail
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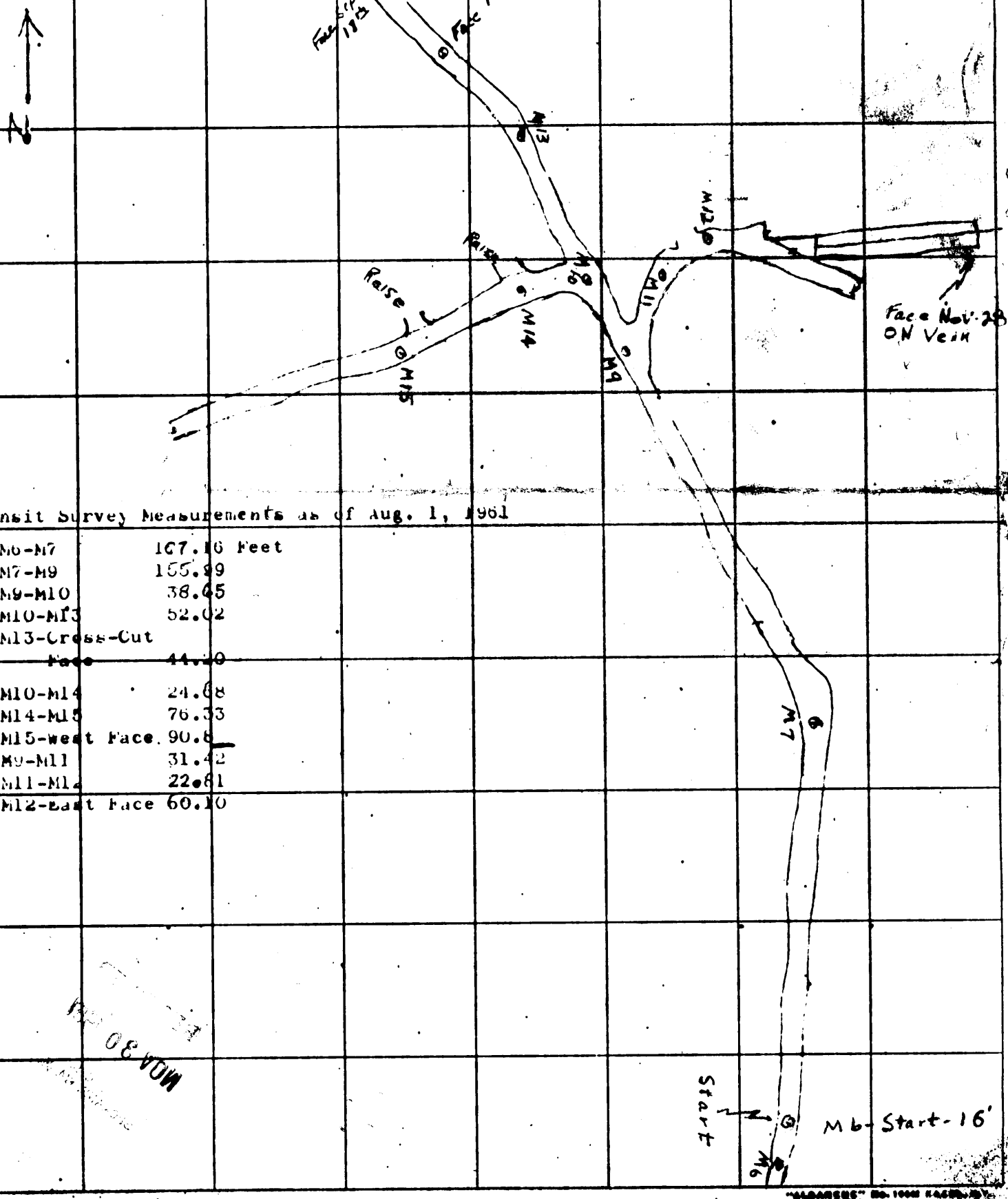
U. S. G. S.
SPOKANE, WASH.
cert mail, RRR

Northern Milling Co
Mariette Mine
O M E Exploration Contract 14-23-093-2121




Transit Survey Measurements as of Aug. 1, 1961

| | |
|---|---|
| M6-M7 | 167.16 Feet |
| M7-M9 | 155.99 |
| M9-M10 | 38.65 |
| M10-M13 | 52.02 |
| M13-Cross-Cut Face | 44.20 |
| M10-M14 | 24.68 |
| M14-M15 | 76.33 |
| M15-west Face | 90.6 |
| M9-M11 | 31.42 |
| M11-M12 | 22.81 |
| M12-East Face | 60.10 |

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NOV 30 1961
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SPOKANE, WASH.

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION
So. 157 Howard Street
Spokane 4, Washington
October 11, 1961

OFFICIAL FILE COPY
O. M. E
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| DATE | INITIALS | CODE |
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Memorandum

To: Chief, Division of Field Operations

From: Acting Field Officer, Region I

Subject: Interim inspection report, OME-6082 (Lead-Zinc), Northern Milling Company, Inc., Marietta Mine, Broadwater County, Montana, Contract 2121

The Marietta mine was visited September 14, 1961, in the company of Ed Wieglanda, Superintendent. The last inspection was made July 18, 1961.

The crosscut was remeasured from the starting point to the face and compares with the Operator's measurements as follows:

| | Operator's measurements | OME measurements |
|---|---|---|
| Start to Sta 7 | 151.16 | 152.7 |
| Sta 7 to Sta 9 | 155.99 | 157.2 |
| Sta 9 to Sta 10 | 38.65 | 38.0 |
| Sta 10 to Sta 13 | 52.02 | 52.4 |
| Total | 397.82 | 400.3 |

The Operator's measurements were made with a 300-foot steel tape from plumb lines; OME measurements were made with 100-foot cloth metallic tape with no plumb lines. Therefore, the Operator's measurements are taken as correct except that from Sta. 9 to Sta. 10. This distance was checked twice, holding the tape within 2 feet of the points, each measurement being 38.0 feet. Thus, the total accepted measurement from the start to Sta. 13 is 397.17. The distance from Sta. 13 to the face was 73.6 feet for a total accepted crosscut measurement of 470.8. Future measurements will be taken from Sta. 13 until a new station has been set and surveyed.

In the east drift the area from the raise M-12 to the face was again closely examined. One small, irregular stringer of quartz near the north drill station was seen, but there was nothing found to justify the drift east requested in the Operator's letter of August 14, 1961.

The No. 5 level was visited in the hope of finding on that level some evidence of the fault and shear zone found near Sta. 13 and in the east drift on the Mason Tunnel level. Much of the critical area on the No. 5 level is timbered and lagged. However, about 5 feet beyond Sta. 504 a strong gouge zone striking N. 75° W. and dipping 75° SW. was found. This was not on the Operator's map, but the strike and dip, with minor fluctuations of each, project to the fault and shear zone on the Mason Tunnel level. This structure thus is strong enough and persistent enough to be considered a major fault. The Gold Dust drift on the No. 5 level is now badly caved to the west of the crosscut and could not be entered with safety, but Wieglanda said he had been back to the west face and believes the drift stopped at a fault.

That the Gold Dust vein has been offset by the fault and that the offset portion of the vein is to the southeast is further indicated by the swing in strike of the vein as it approaches the fault, by the fact that the vein was cut about 115 feet beyond its expected position as projected from the No. 5 level, and by the presence of some sulfide mineralization in the shear zone along the southeasterly portion of the drift and its total absence from the gouge cut by the crosscut near Sta. 13. Therefore, the Operator was authorized to continue the east drift along the fault zone for 150 feet and to use any of this footage to drift on the vein when it is encountered.

D. R. MacLaren

D. R. MacLaren

Enclosure
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Docket
MacLaren

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NORTHERN MILLING COMPANY
P. O. Box 361
Townsend, Montana
September 19, 1961

U. S. DEPARTMENT OF THE INTERIOR
Office of Minerals Exploration
South 157 Howard Street
Spokane 4, Washington

Att: Mr. D. R. MacLaren,
Acting Field Officer
Region I

Dear Mr. MacLaren:

Please find enclosed report on our OME contract for the period between August 1st and September 18th, 1961.

I want to thank you for your willingness to spend extra hours to visit with me since I was unable to be at the Mine during your inspection. I appreciate the interest that you have shown in our project and willingness to discuss our problems.

Shortly we will begin the extension of the east drift from the point that you recommended. We, of course, are anxious to make the connection with the Gold Dust vein on that side of the fault.

We are looking forward to your next visit.

Sincerely yours,
NORTHERN MILLING COMPANY

Paul I. Raber, President

PR/b
Encl.

MME FORM 60
SEPT. 1959

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Via
SEP 22 1961
Air Mail
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WASH.

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# UNITED STATES
# DEPARTMENT OF THE INTERIOR
## OFFICE OF MINERALS EXPLORATION

Docket No. 6082
Contract No. 14-23-090-2121
Contract Amount $102,300.00
Gov't. Participation % 50 $51,150.00
Mineral(s) Lead & Zinc

## OPERATOR'S MONTHLY VOUCHER

For Month of Aug. 1-Sept. 18

Operator's Name NORTHERN MILLING COMPANY
Address P. O. Box 361, Townsend, Montana

| COST CATEGORIES | FOR OPERATOR'S USE: MONTHLY TOTAL | FOR OPERATOR'S USE: PREVIOUSLY REPORTED | FOR OPERATOR'S USE: TOTALS TO DATE | FOR GOVERNMENT APPROVAL ONLY: MONTHLY TOTAL | FOR GOVERNMENT APPROVAL ONLY: PREVIOUSLY REPORTED | FOR GOVERNMENT APPROVAL ONLY: TOTALS TO DATE |
|---|---|---|---|---|---|---|
| Fixed Unit Costs and | | | | | | |
| (1) Independent Contracts: | | | | | | |
| Bulldozing | | | | | | |
| Drifting | None | 5,550.00 | 5,550.00 | | 5550.00 | 5,550.00 |
| Crosscutting | 1,295.00 | 16,354.74 | 17,649.74 | 1295.00 | 16,354.74 | 17,649.74 |
| Drilling | | | | | | |
| (2) Personal Services: | | | | | | |
| Supervision & Technical | | | | | | |
| Outside Consultants | | | | | | |
| Labor | | | | | | |
| (3) Operating Mat'l. & Supplies: | | | | | | |
| Timber | | | | | | |
| Explosives | | | | | | |
| Pipe | | | | | | |
| Rail | | | | | | |
| (4) Operating Equipment: | | | | | | |
| Rental | | | | | | |
| Purchase | | | | | | |
| Depreciation | | | | | | |
| (5) Initial Rehab. & Repairs: | | | | | | |
| Buildings, Fixtures, etc. | | | | | | |
| Operating Equipment | | | | | | |
| (6) New Buildings, Fixtures, etc. | | | | | | |
| (7) Miscellaneous: | | | | | | |
| Repairs to Equipment | | | | | | |
| Analytical Work | | 130.00 | 130.00 | | 130.00 | 130.00 |
| Payroll Taxes | | | | | | |
| Employee's Liability Ins. | | | | | | |
| TOTALS | 1,295.00 | 22,034.74 | 23.329.74 | 1295.00 | 22034.74 | 23,329.74 |

OFFICIAL FILE COPY
O. M. E.
RECEIVED OCT 2 1961

| DATE | INITIALS | CODE |
|---|---|---|
| 10/2 | [illegible] | 100 |
| 10/2 | [illegible] | 110 |
| | | ~~140~~ |
| 10/3 | [illegible] | 100 |
| 10/4 | Murphy | 500 |

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

Date Sept. 19, 1961 Payee Northern Milling Company

Per Paul I. Raber Title President

Paul I. Raber

* 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.

A willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction is a criminal offense. (U.S. Code, Title 18, Sec. 1001.)

(INSTRUCTIONS ON REVERSE)

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

$ 647.50

Signature [illegible]
(Authorized Certifying Officer)

Date 10/2/61 Vou. No. 1533

(SEE OTHER SIDE)

Certification by Government Representative:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating an exploration project in accordance with the terms of Contract No. 6082

Signature D R Macharen Title Acting Field Officer, Region I Date SEP 2 6 1961

Approved by OME Executive Officer or Alternate:

Signature D R Macharen Title Acting Field Officer, Region I Date SEP 2 6 1961

## OPERATOR'S MONTHLY REPORT

The Operator, under an Office of Minerals Exploration contract, is required to report monthly to the Government. The report consists of three parts.

FIRST, the Operator's Monthly Voucher on MME Form 60 listing the project costs incurred and claimed by the Operator is the voucher basis for payment of the Government's share of the cost.

SECOND, the Operator's Progress Report on MME Form 61 is a statistical report of the units and cost of of work performed under the contract.

THIRD, the Operator's Narrative Report is a concise description of the work performed, results accomplished, and any unusual situations encountered, illustrated and supported by engineering-geological maps or sketches, drill hole logs, assay reports, etc., as pertinent.

The Operator submits the original and four copies of each of the three sections of this report to the OME regional Executive Officer at the end of each month during the life of the contract.

## PREPARATION OF OPERATOR'S MONTHLY VOUCHER, MME FORM 60

After all applicable spaces are filled in, the Operator or his agent must sign the certification in the lower left corner. Categories (2) through (7) apply to "Actual Cost" contracts only.

Under "Fixed Unit Costs" and Category (1) report, (a) the total fixed unit costs of work performed under contract provisions for contribution by the Government on a basis of "fixed unit costs"; and (b) the claimed costs of work performed on a unit-price basis by independent contractors.

Under Category (2) include the claimed costs of all payrolled and invoiced supervisory, technical, and labor personnel, except the costs for services applicable to Categories (5) and (6).

Under Category (3) include the claimed costs of all project materials and supplies other than those used for work under Categories (5) and (6).

Under Category (4) report claimed rentals on equipment belonging to a third party, claimed payments or obligations for payments on the Operator's purchase of equipment, and claimed depreciation for the use of Operator-owned equipment.

Under Categories (5) and (6) include all claimed costs of labor, supervision, technical services, operating materials and supplies, and all other items used in (5) the initial rehabilitation and repairs of existing buildings, fixtures, installations (exclusive of mine workings), and operating equipment; and (6) the installation or construction of new buildings, fixtures, and fixed improvements (exclusive of mine workings). Do not report these costs under Categories (2), (3), (4), and (7).

Under Category (7) include all miscellaneous claimed costs such as repairs (other than initial) and maintenance of equipment, sampling and analysis, travel, communication, accounting, office expenses, and the Operator's share of payroll taxes and insurance.

Except for amounts claimed under "fixed unit costs" provisions of the contract, all costs claimed in this voucher must be supported by documentary evidence consisting of: (a) certified copies or transcripts of payrolls which list each employee, wage rate, period of employment, gross earnings, itemized deductions, and net earnings; (b) original or certified copies of invoices, statements of accounts, or purchase orders which indicate items of materials or services, quantities, unit prices, total charges, and payment terms; and (c) certified memoranda of the Operator for such items as depreciation of Operator-owned equipment, unemployment taxes, and employee's liability insurance. The certification may be stated thus, "Certified True Copy (or Transcript)", followed by the signature of the Operator or his agent. One copy of each document should accompany the original of this voucher.

The requirement for submitting documentary evidence of claimed costs may be waived by the OME regional Executive Officer if he determines that it is impracticable for an Operator to submit this material. In any case of waiver of this requirement an "on-site" audit by an OME auditor is mandatory prior to payment of the final Operator's Monthly Voucher.

MME FORM 61
SEPT. 1959

RECEIVED
Via
SEP 22 1961
Air mail
U.S. MAIL
SPOKANE, WASH.

# UNITED STATES
# DEPARTMENT OF THE INTERIOR
## OFFICE OF MINERALS EXPLORATION

OPERATOR'S PROGRESS REPORT For Month of August 1 - Sept. 18 Docket No. 6082

Operator's Name NORTHERN MILLING COMPANY Contract No. 14-23-090- 2121

| OPERATION | UNITS | FOR OPERATOR'S USE: UNITS THIS MONTH | UNITS TO DATE | COSTS TO DATE | FOR GOVERNMENT USE: APPROVED UNITS THIS MONTH | APPROVED UNITS TO DATE | APPROVED COSTS TO DATE |
|---|---|---|---|---|---|---|---|
| Drifting | 150 | None | 150 | $ 5,550.00 | none | 150 ft | $ 5,550.00 |
| Crosscutting | 442.02 | 35 | 477.02 | 17,649.74 | 35 ft | 477.02 ft | 17,649.74 |
| Raising | | | | | | | |
| Shafts | | | | | | | |
| Winzes | | | | | | | |
| Other Underground | | | | | | | |
| Drilling, Core-Diamond | | | | | | | |
| Rotary | | | | | | | |
| Drilling, Non-core-Diamond | | | | | | | |
| Rotary | | | | | | | |
| Churn | | | | | | | |
| Percussion | | | | | | | |
| Miscellaneous | | | | | | | |
| | | | | | | | |
| Roads and Trails | | | | | | | |
| Stripping | | | | | | | |
| Trenching | | | | | | | |
| Test Pitting | | | | | | | |
| Other Surface Work | | | | | | | |
| Initial Rehabilitation and Repairs | | | | | | | |
| Rehabilitation of Mine Workings | | | | | | | |
| New Buildings, Fixtures, etc. | | | | | | | |
| Operating Equipment Purchases | | | | | | | |
| Analytical Work Assaying | | | | 130.00 | | | 130.00 |
| TOTAL TO DATE (per MME Form 60) | | | | $23,329.74 | | | 23,329.74 |

REMARKS

(Continue on back)

REMARKS
My measurement of x-cut made on Sept 14, 1961 was 470.8 ft. The Operator's claim of 477.02 ft as of Sept. 18, 1961 is reasonable and accepted

(Continue on back)

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 September 19 1961 Operator Northern Milling Company

Per Paul I. Raber Title President

Paul I. Raber

A willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction is a criminal offense. (U.S. Code, Title 18, Sec. 1001.)

I certify that the information above is complete and accurate to the best of my knowledge and belief.

Signature D.R. Macharen

Title Acting Field Officer, Region I
Government Representative

Date SEP 26 1961

(INSTRUCTIONS ON REVERSE)

REMARKS *(Cont.)*

REMARKS *(Cont.)*

## INSTRUCTIONS FOR PREPARING OPERATOR'S PROGRESS REPORT, MME FORM 61

This report is the second of the three parts of the Operator's Monthly Report. Submit the original and four copies.

The cost for each operation should be the total of all claimed costs attributable to that type of work with two exceptions, namely—operating equipment purchased and analytical work which are stated separately. For example, drifting costs should be the total of all costs chargeable to drifting including supervision, technical services, timbering (if any), etc. Similarly, drilling costs should include the cost of cementing, reaming, core boxes, etc. This procedure of distribution holds whether the contract was written on an actual cost or a unit cost basis, or some combination of the two. Distribute the cost of such general items as supervision, equipment rented, etc. according to relative footages or on some other conventional basis. The item "Initial Rehabilitation and Repairs" covers all rehabilitation and/or repairs other than the rehabilitation of mine workings.

The item titled "Drilling, Non-core Percussion" includes all drilling performed with wagon, jack-hammer, stoper and mounted drills. The several items labelled "Other" are provided to take care of particular exploration operations not specified on this form.

Docket 6082

Contract No. 2121
14-23-090

FOR MONTHS OF August 1st - September 18th, 1961

OPERATOR'S NARRATIVE REPORT
Northern Milling Company
P. O. Box 361, Townsend, Montana

The cross-cut was advanced thirty-five (35) feet during this period. We encountered extremely hard rock resulting in slow drilling and short breaking.

Nearly one work week was lost during this period because our crew was called out to fight forest fires in the immediate area.

Date September 19, 1961

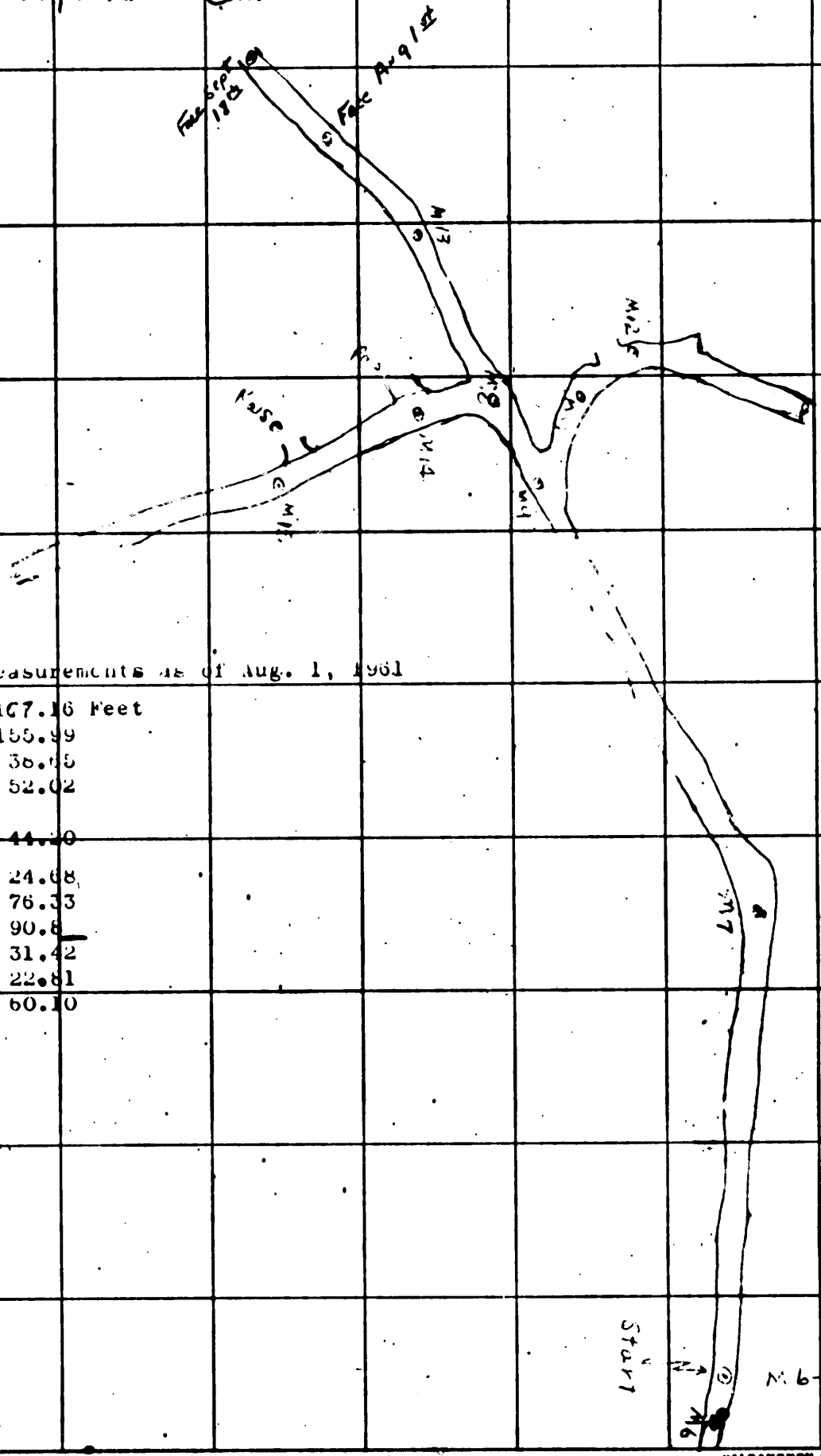
Per Paul I. Raber
Paul I. Raber

Payee NORTHERN MILLING CO.

President

RECEIVED
Via
SEP 22 1961
Air Mail
U.S.G.S.
SPOKANE, WASH.

Northern Milling Co.
Marietta Mine
O. M. E. Exploration Contract 14-23-093-2121




Transit Survey Measurements as of Aug. 1, 1961

| | |
|---|---|
| M6-M7 | 167.16 Feet |
| M7-M9 | 155.99 |
| M9-M10 | 38.65 |
| M10-M13 | 52.02 |
| M13-Cross-Cut Face | 44.20 |
| M10-M14 | 24.68 |
| M14-M15 | 76.33 |
| M15-West Face | 90.8 |
| M9-M11 | 31.42 |
| M11-M12 | 22.81 |
| M12-East Face | 60.10 |

"ALBANENE" NO. 1000 ALCO CO., N.Y.

RECEIVED
Via
SEP 22 1951
Air Mail
U.S.G.S.
SPOKANE, WASH.

MME FORM 60
SEPT. 1959

RECEIVED
Air Mail
AUG 16 1961
Cert. Mail
U.S.G.S. R.R.
SPOKANE, WASH.

# UNITED STATES
# DEPARTMENT OF THE INTERIOR
## OFFICE OF MINERALS EXPLORATION

Sch 325

Docket No. 6082
Contract No.
14-23-090- 2121
Contract Amount $102,300.00
Gov't. Participation % 50 $ 51,150.00
Mineral(s) Lead & Zinc

## OPERATOR'S MONTHLY VOUCHER

For Month of June & July

Operator's Name NORTHERN MILLING COMPANY
Address P. O. Box 361, Townsend, Montana

| COST CATEGORIES | FOR OPERATOR'S USE | | | FOR GOVERNMENT APPROVAL ONLY | | |
|---|---|---|---|---|---|---|
| | MONTHLY TOTAL | PREVIOUSLY REPORTED | TOTALS TO DATE | MONTHLY TOTAL | PREVIOUSLY REPORTED | TOTALS TO DATE |
| Fixed Unit Costs and | | | | | | |
| (1) Independent Contracts: | | | | | | |
| Bulldozing | | | | | | |
| Drifting Minus | 296.00 | 5,254.00 | 5,550.00 | 814.00 | 4,736.00 | 5,550.00 |
| Crosscutting Minus | 594.96 | 16,949.70 | 16,345.74 | -95.46 | 16,450.20 | 16,354.74 |
| Drilling | | | | | | |
| (2) Personal Services: | | | | | | |
| Supervision & Technical | | | | | | |
| Outside Consultants | | | | | | |
| Labor | | | | | | |
| (3) Operating Mat'l. & Supplies: | | | | | | |
| Timber | | | | | | |
| Explosives | | | | | | |
| Pipe | | | | | | |
| Rail | | | | | | |
| (4) Operating Equipment: | | | | | | |
| Rental | | | | | | |
| Purchase | | | | | | |
| Depreciation | | | | | | |
| (5) Initial Rehab. & Repairs: | | | | | | |
| Buildings, Fixtures, etc. | | | | | | |
| Operating Equipment | | | | | | |
| (6) New Buildings, Fixtures, etc. | | | | | | |
| (7) Miscellaneous: | | | | | | |
| Repairs to Equipment | | | | | | |
| Analytical Work | | 130.00 | 130.00 | | 130.00 | 130.00 |
| Payroll Taxes | | | | | | |
| Employee's Liability Ins. | | | | | | |
| OME Overpayment | | | | | | |
| TOTALS | 298.96 | 22,333.70 | 22,034.74 | 718.54 | 21,316.20 | 22,034.74 |

EXTRA COPY
O. M. E
RECEIVED AUG 28 1961

| DATE | INITIALS | CODE |
|---|---|---|
| 8-28 | [illegible] | 100 |
| 8/28 | on leave | 110 |
| | | 120 |
| | | 500 |
| | | 600 |

I certify that the above bill is correct and just and that payment therefor has not been received.
Date August 14, 1961 Payee Northern Milling Company
Per Paul I. Raber Title President
Paul I. Raber

* 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.

A willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction is a criminal offense. (U.S. Code, Title 18, Sec. 1001.)

(INSTRUCTIONS ON REVERSE)

Pursuant to authority vested in me, I certify that this account is correct and proper for payment in the amount of: 35927
$ ~~718.54~~

Signature OAS
(Authorized Certifying Officer)
Date 8/24/61 Vou. No. 945
(SEE OTHER SIDE)

Certification by Government Representative:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating an exploration project in accordance with the terms of Contract No. 2121

Signature D.H. MacLaren Title Acting Field Officer, Reg. I Date AUG 17 1961

Approved by OME Executive Officer or Alternate:

Signature D.H. MacLaren Title Acting Field Officer, Reg. I Date AUG 17 1961

## OPERATOR'S MONTHLY REPORT

The Operator, under an Office of Minerals Exploration contract, is required to report monthly to the Government. The report consists of three parts.

FIRST, the Operator's Monthly Voucher on MME Form 60 listing the project costs incurred and claimed by the Operator is the voucher basis for payment of the Government's share of the cost.

SECOND, the Operator's Progress Report on MME Form 61 is a statistical report of the units and cost of of work performed under the contract.

THIRD, the Operator's Narrative Report is a concise description of the work performed, results accomplished, and any unusual situations encountered, illustrated and supported by engineering-geological maps or sketches, drill hole logs, assay reports, etc., as pertinent.

The Operator submits the original and four copies of each of the three sections of this report to the OME regional Executive Officer at the end of each month during the life of the contract.

## PREPARATION OF OPERATOR'S MONTHLY VOUCHER, MME FORM 60

After all applicable spaces are filled in, the Operator or his agent must sign the certification in the lower left corner. Categories (2) through (7) apply to "Actual Cost" contracts only.

Under "Fixed Unit Costs" and Category (1) report, (a) the total fixed unit costs of work performed under contract provisions for contribution by the Government on a basis of "fixed unit costs"; and (b) the claimed costs of work performed on a unit-price basis by independent contractors.

Under Category (2) include the claimed costs of all payrolled and invoiced supervisory, technical, and labor personnel, except the costs for services applicable to Categories (5) and (6).

Under Category (3) include the claimed costs of all project materials and supplies other than those used for work under Categories (5) and (6).

Under Category (4) report claimed rentals on equipment belonging to a third party, claimed payments or obligations for payments on the Operator's purchase of equipment, and claimed depreciation for the use of Operator-owned equipment.

Under Categories (5) and (6) include all claimed costs of labor, supervision, technical services, operating materials and supplies, and all other items used in (5) the initial rehabilitation and repairs of existing buildings, fixtures, installations (exclusive of mine workings), and operating equipment; and (6) the installation or construction of new buildings, fixtures, and fixed improvements (exclusive of mine workings). Do not report these costs under Categories (2), (3), (4), and (7).

Under Category (7) include all miscellaneous claimed costs such as repairs (other than initial) and maintenance of equipment, sampling and analysis, travel, communication, accounting, office expenses, and the Operator's share of payroll taxes and insurance.

Except for amounts claimed under "fixed unit costs" provisions of the contract, all costs claimed in this voucher must be supported by documentary evidence consisting of: (a) certified copies or transcripts of payrolls which list each employee, wage rate, period of employment, gross earnings, itemized deductions, and net earnings; (b) original or certified copies of invoices, statements of accounts, or purchase orders which indicate items of materials or services, quantities, unit prices, total charges, and payment terms; and (c) certified memoranda of the Operator for such items as depreciation of Operator-owned equipment, unemployment taxes, and employee's liability insurance. The certification may be stated thus, "Certified True Copy (or Transcript)", followed by the signature of the Operator or his agent. One copy of each document should accompany the original of this voucher.

The requirement for submitting documentary evidence of claimed costs may be waived by the OME regional Executive Officer if he determines that it is impracticable for an Operator to submit this material. In any case of waiver of this requirement an "on-site" audit by an OME auditor is mandatory prior to payment of the final Operator's Monthly Voucher.

MME FORM 61
SEPT. 1959

RECEIVED
Air Mail
AUG 16 1961
Cert. Mail
U.S.G.S.
SPOKANE, WASH.

# UNITED STATES
# DEPARTMENT OF THE INTERIOR
## OFFICE OF MINERALS EXPLORATION

OPERATOR'S PROGRESS REPORT For Month of June & July 1961 Docket No. 6082

Operator's Name NORTHERN MILLING COMPANY Contract No. 14-23-090-2121

| OPERATION | UNITS | FOR OPERATOR'S USE: UNITS THIS MONTH | UNITS TO DATE | COSTS TO DATE | FOR GOVERNMENT USE: APPROVED UNITS THIS MONTH | APPROVED UNITS TO DATE | APPROVED COSTS TO DATE |
|---|---|---|---|---|---|---|---|
| Drifting | 142 | 8 | 150 | 5,550.00 | 22.0 | 150.0 | 5,550.00 |
| Crosscutting (Corrected- | 458.1 | 37.87 | 442.02 | 16,345.74 | 2.3 | 433.3 | 16,585.30 |
| Raising | | | | | | | |
| Shafts | | | | | | | |
| Winzes | | | | | | | |
| Other Underground | | | | | | | |
| Drilling, Core-Diamond | | | | | | | |
| Rotary | | | | | | | |
| Drilling, Non-core-Diamond | | | | | | | |
| Rotary | | | | | | | |
| Churn | | | | | | | |
| Percussion | | | | | | | |
| Miscellaneous | | | | | | | |
| | | | | | | | |
| Roads and Trails | | | | | | | |
| Stripping | | | | | | | |
| Trenching | | | | | | | |
| Test Pitting | | | | | | | |
| Other Surface Work | | | | | | | |
| Initial Rehabilitation and Repairs | | | | | | | |
| Rehabilitation of Mine Workings | | | | | | | |
| New Buildings, Fixtures, etc. | | | | | | | |
| Operating Equipment Purchases | | | | | | | |
| Analytical Work Assaying | | | | 130.00 | | | 130.00 |
| TOTAL TO DATE (per MME Form 60) | | | | $22,034.74 | | | 22215.30 |

REMARKS

(Continue on back)

REMARKS

(Continue on back)

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, 1961 Operator Northern Milling Company

Per Paul I. Raber Title President

Paul I. Raber

A willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction is a criminal offense. (U.S. Code, Title 18, Sec. 1001.)

I certify that the information above is complete and accurate to the best of my knowledge and belief.

Signature D.R. Macharen

Title Acting Field Officer, Reg. I
Government Representative

Date AUG 17 1961

(See Mr. Talbert's memo 8/29/61 to Region I

(INSTRUCTIONS ON REVERSE)

REMARKS *(Cont.)*

## INSTRUCTIONS FOR PREPARING OPERATOR'S PROGRESS REPORT, MME FORM 61

This report is the second of the three parts of the Operator's Monthly Report. Submit the original and four copies.

The cost for each operation should be the total of all claimed costs attributable to that type of work with two exceptions, namely—operating equipment purchased and analytical work which are stated separately. For example, drifting costs should be the total of all costs chargeable to drifting including supervision, technical services, timbering (if any), etc. Similarly, drilling costs should include the cost of cementing, reaming, core boxes, etc. This procedure of distribution holds whether the contract was written on an actual cost or a unit cost basis, or some combination of the two. Distribute the cost of such general items as supervision, equipment rented, etc. according to relative footages or on some other conventional basis. The item "Initial Rehabilitation and Repairs" covers all rehabilitation and/or repairs other than the rehabilitation of mine workings.

The item titled "Drilling, Non-core Percussion" includes all drilling performed with wagon, jack-hammer, stoper and mounted drills. The several items labelled "Other" are provided to take care of particular exploration operations not specified on this form.

Docket 6082

Contract No. 2121
14-23-090

FOR MONTHS OF June and July, 1961

OPERATOR'S NARRATIVE REPORT
Northern Milling Company
P. O. Box 361, Townsend, Montana

Since there have been some variations in the Mason Tunnel measurements I decided to wait until Mr. MacLaren visited the property to go over the measurements. His letter of June 15th, 1961, indicated that he would be here by the middle of July, and during his visit in the middle of July it was decided not to submit a report until we could complete a transit survey of all the workings in the Mason Tunnel. It took longer than expected to complete this survey and the mapping of the survey. Since we wanted to make any corrections in the measurements before we reported, it was necessary to wait for the survey.

As of this report we are including the map of the Mason Tunnel workings including all of the dirft and cross-cut measurements. We, in error, called the right-hand curve drift part of the cross-cut, so with this report we are making this correction. We had vouchered 458.1' of cross-cut, but as a result of this survey we show an actual cross-cut measurement of 442.02 feet. The difference between the 458.1' and 442.02' is 16.08' with cross-cut advance since the last voucher of 37.87'. This makes an over-vouchered footage of 16.08'.

As of our last voucher we used 142' of the 150' authorized drift on the Gold Dust vein, so we are vouchering 8'.

airmail-
cert. mail-R.R.R.

Docket 6082

Contract No. 2121
14-23-090

FOR MONTHS OF June and July, 1961

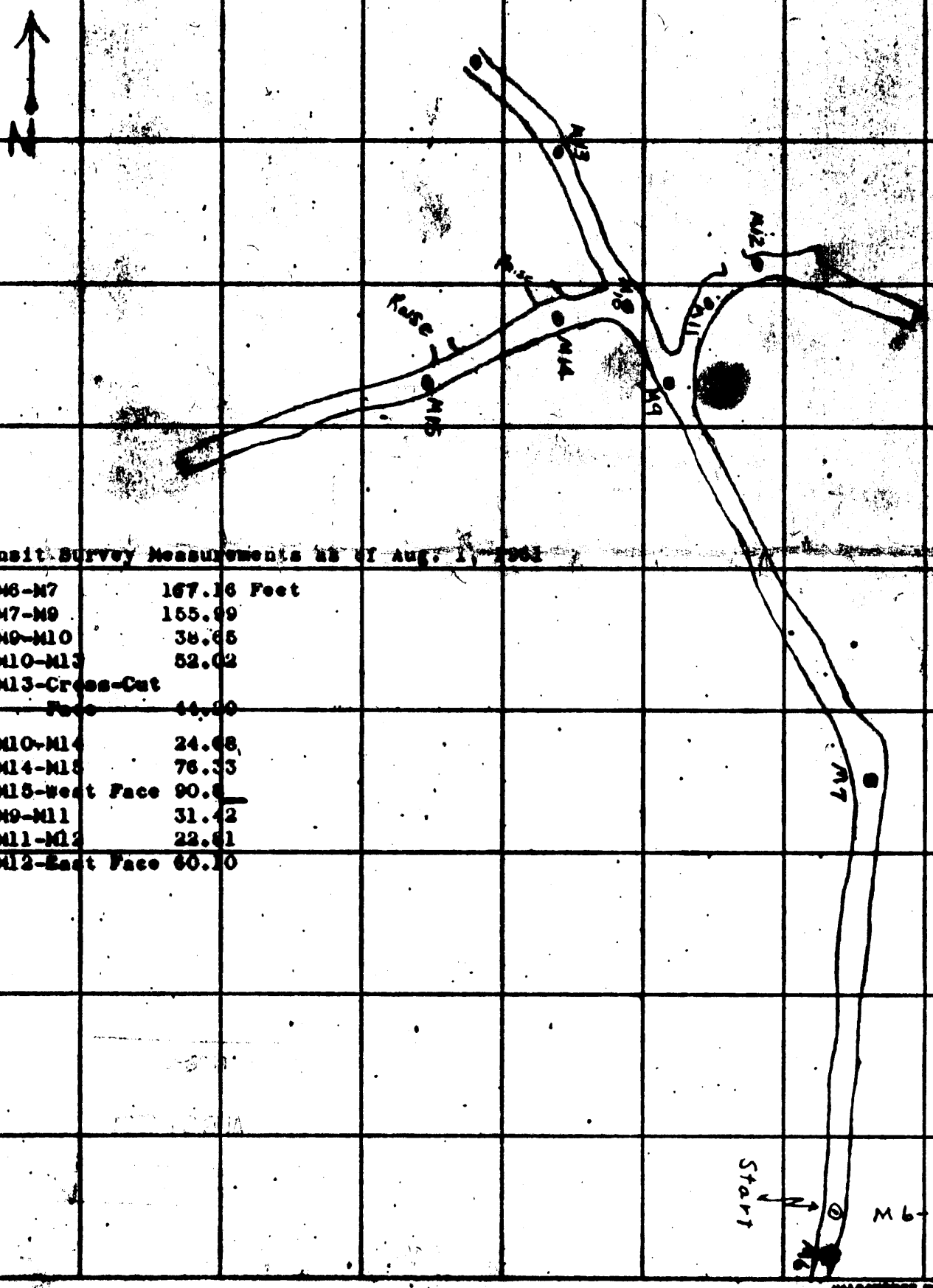
OPERATOR'S NARRATIVE REPORT
Northern Milling Company
P. O. Box 361, Townsend, Montana

The following is not part of the OME contract, but in order that you may know what has taken place I should like to report: - Several long-holes were drilled near the end and at the end of the right drift amounting to 500 feet of hole. An exploratory raise near M-12 was driven to a height of 30'. A raise in ore at M-14 is at a height of 60'. A raise at M-15 is at a height of 30'. We have milled approximately 250 Tons of ore from the raises at M-14 and M-15 and have shipped concentrate to the Smelter, advising them that OME is to receive 5% of the returns. Since the Smelter does not write the check on any royalties, we will issue the check as soon as we receive the Smelter returns, which will show the amount of royalty due the OME.

Date August 14, 1961 Payee NORTHERN MILLING COMPANY

Per Paul I. Raber President
Paul I. Raber

Northern Minerals Co
Marietta Mine
O.M.E Exploration Contract 14-83-093-2121




Transit Survey Measurements as of Aug. 1, 1961

| | |
|---|---|
| M6-M7 | 167.16 Feet |
| M7-M9 | 155.99 |
| M9-M10 | 38.65 |
| M10-M13 | 52.02 |
| M13-Cross-Cut Face | 44.00 |
| M10-M14 | 24.68 |
| M14-M15 | 76.33 |
| M15-West Face | 90.6[illegible] |
| M9-M11 | 31.42 |
| M11-M12 | 22.61 |
| M12-East Face | 60.10 |

RECEIVED

AUG 21 1961

OFFICE OF THE SECRETARY
FISCAL SECTION

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION
So. 157 Howard Street
Spokane 4, Washington
August 3, 1961

OFFICIAL FILE COPY
O. M. E
RECEIVED AUG 7 1961

| DATE | INITIALS | CODE |
|---|---|---|
| 8-8 | [illegible] | 100 |
| 8/7 | [illegible] | 110 |
| 8/8 | [illegible] | 800 |
| 8/8 | [illegible] | 500 |
| 8/8 | [illegible] | 500 |

Memorandum

To: Chief, Division of Field Operations

From: Acting Field Officer, Region I

Subject: Interim inspection report, OME-6082 (Lead-Zinc), ~~Northern~~ Milling Company, Inc., Marietta Mine, Broadwater County, Montana, Contract 2121

The Marietta mine was visited July 18, 1961, and the workings were inspected in the company of Paul I. Raber, President. The last inspection was made May 18, 1961.

During past inspections mapping was brought up-to-date starting each time with what were indicated as survey stations. However, when the Operator's monthly report and voucher for May was received, it was obvious that something was wrong as the map he submitted did not check the one made by the examiner. The difference was in the distance between M-7 and M-9. It developed that an unmarked plug between M-8 and M-9 had been indicated to the examiner as being M-9. Mr. Tan Lee, the company engineer, had left the company's employ and his notes were not all they should have been. Also there was a question as to which of two unnumbered and unmarked plugs was the starting point. Accordingly, about 6 hours were spent on the property during which time the starting point was established by measuring from station M-3, at the intersection of the Mason Tunnel and the original crosscut to the northeast, to the face as shown on the 50-scale map prior to the start of contract work. The entire OME advance was remeasured and remapped from that point. The accompanying sketch is correct and up-to-date as of the date of the inspection.

The total crosscutting was 446.9 feet and the total drifting was 319.5 feet of which only 150 feet had prior authorization, 52 feet in the drift east and 98 in the drift west. In past vouchers the Operator had reported as crosscutting part of the drift turnouts. For his own account the Operator advanced the west drift 104 feet beyond the 98 feet authorized, and the east drift 65.5 feet beyond the 52 authorized. In the drift east he slabbed some of the north wall, put in a diamond drill station north of the drift about 35 feet from the drift face and drilled three diamond drill holes

for operator's own acct. No drilling in contract.

easterly from the face; a fourth hole was about to be started northerly from the drill station. From the breast of the east drift one horizontal hole was drilled S. 88° E. for 184 feet without encountering any sulfide mineralization. If the average dip of the vein below the No. 5 Level flattened, it could still be beyond this hole. Two holes, one horizontal for 64 feet and one at +15° for 83 feet, were drilled S. 74° E. The +15° hole did not encounter any sulfide mineralization, but from the lower hole a sample of the sludge taken from 8 to 12 feet assayed 0.15 ounce gold and 0.50 ounce silver per ton. Another sample of sludge from this hole, taken from 16 to 20 feet assayed 0.13 ounce gold and 0.10 ounce silver. Although the driller reported the presence of some sulfides in sludge pannings, no assays for lead or zinc were made. The Operator has also started two raises from his own account, one in the east drift and one in the west. The raise in the east drift, about 35 feet high followed the fault which contained no sulfides; that in the west drift was about 30 feet high but was inaccessible. It followed a sulfide-bearing vein up to 1½ or 2 feet wide.

The fault in the east drift has very little clay developed and was formerly recognized only as a zone of shearing. However, in the crosscut driven since the last inspection a strong clay up to 2 inches thick was cut. Its projection lines up perfectly with the "shear zone" in the drift east. The previously reported swing in the Gold Dust vein is undoubtedly due to the vein being offset by the fault and the mineralization in the fault is now recognized as drag. This interpretation would also partly account for the Gold Dust vein in the drift west being about 130 feet north of its position as projected from the No. 5 Level. The 64-foot flat S. 74° E. drill hole may have cut the offset portion of the vein, if the dip steepened, but the bearing of the hole so nearly parallels the fault that the two samples could have come from drag mineralization in the fault. Moreover, had the dip steepened, the vein would have been cut by the S. 88° E. hole. The Operator will drill another flat hole between the S. 74° E. and S. 88° E holes. If that cuts sulfide mineralization, I will authorize additional drifting to the east to explore the offset portion of the vein.

D R MacLaren

D. R. MacLaren

Enclosure
Distribution:
OME(Orig.&2)
Docket
MacLaren

MME FORM 6 REFERENCE SLIP

REV. 2-59 OFFICE OF MINERALS EXPLORATION

| TO: | DATE | INITIALS |
|---|---|---|
| 1. 500 | | |
| 2. | | |
| 3. | | |
| 4. | | |
| 5. | | |

FROM: Talbert

Re: OMB-6082

FOR: Check items for action desired

____ Action ____ Reply for signature of ____

____ Approval ____ Investigate ____ Surname

____ Comment ____ Recommendations ____ Signature

____ Conference ____ Rewrite ____ File

____ Instructions ____ Your information

REMARKS: Contract requires that drifting be approved in writing & in advance. 100' authorized by 4/10/61 ltr., 162.5' performed, & Macharen orally authorized further continuance of west drift. 227 Talbert

INT.-DUP. SEC., WASH., D.C. M56300-59

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION
So. 157 Howard Street
Spokane 4, Washington
May 31, 1960

OFFICIAL FILE COPY
O. M. E
RECEIVED JUN 5 1961

| DATE | INITIALS | CODE |
|---|---|---|
| 6/5 | gad | VVO |
| 6/5 | [illegible] | 118 |
| | | 800 |
| 6/6 | Murphy | 500 |
| 6/5 | [illegible] | 102 |
| | | |
| | | |

Memorandum

To: Chief, Division of Field Operations

From: Acting Field Officer, Region I

Subject: Interim inspection report, OME-6082 (Lead-Zinc), Northern Milling Company, Inc., Marietta Mine, Broadwater County, Montana, Contract 2121

The Marietta mine was visited May 18, 1961, and the workings were inspected and mapped in the company of Paul I. Raber, President. The last inspection was made April 5, 1961.

Since the last inspection the crosscut was advanced 76 feet northwesterly. At about 40 feet, the drive cut a narrow quartz stringer striking about N. 76° E. and dipping 47° SE. At 50 feet a shear zone up to 5 feet wide containing stringers and veinlets of siderite and ankerite with some pyrite, galena, and quartz was cut. In the crosscut this structure had an apparent strike of N. 74° E. and a dip of 58° SE. Seven samples cut by the Operator from one channel across the structure had an average grade of 1.05 ounces gold and 1.24 ounces silver per ton and 2.46 percent lead.

The Operator reported the intersection, attitude, and grade of this structure in a letter dated April 10, 1961, and requested authorization to drift along it easterly and westerly. By a work authorization dated April 14, 1961, the Operator was authorized to drift a total of 100 feet. By the time of inspection he had drifted westerly 48 feet and easterly 114.5 feet.

In the west drift the structure continues to be a strong shear zone, but the gold, silver, and lead values are spotty and the galena is noticeably less abundant to the west. Near the breast the Operator cut a sample 14 inches wide near the drift back that reportedly assayed 0.31 ounce gold and 0.76 ounce silver per ton--the sample was not assayed for lead. The examiner cut a sample 12 inches wide from the face. It assayed 0.07 ounce gold and 0.10 ounce silver per ton, no lead, and a trace zinc.

Where the turnout for the drift east cut the structure, the latter was striking more easterly than where it was intersected in the crosscut and followed to the west, and after about 20 feet the strike of the mineralized structure swung to S. 72° E. From the point of swing, apparently unmineralized weak shearing continued in an easterly direction. The Operator was told to discontinue, at least for the present, the drift which was now following a southeasterly striking structure and was advised to slab the wall into which the unmineralized shearing continued. He was also told that he could continue the west drift unless it too changed course markedly or the values decreased and that he should resume cross-cutting on a bearing of N. 45° W.

D. R. MacLaren

D. R. MacLaren

Enclosure
Distribution:
OME(2)
Docket
MacLaren

MME FORM 60
SEPT. 1959

REC'D Via air mail JUN 12 1961 Cert. Mail U. S. G. S. SPOKANE, WASH.

Sch 1845

# UNITED STATES
# DEPARTMENT OF THE INTERIOR
## OFFICE OF MINERALS EXPLORATION

Docket No. 6082
Contract No.
14-23-090- 2121
Contract Amount $ 102,300.00
Gov't. Participation % 50 $ 51,150.00
Mineral(s) Lead & Zinc

## OPERATOR'S MONTHLY VOUCHER

For Month of May 1961

Operator's Name NORTHERN MILLING COMPANY
Address P. O. Box 361, Townsend, Montana

| COST CATEGORIES | FOR OPERATOR'S USE: MONTHLY TOTAL | PREVIOUSLY REPORTED | TOTALS TO DATE | FOR GOVERNMENT APPROVAL ONLY: MONTHLY TOTAL | PREVIOUSLY REPORTED | TOTALS TO DATE |
|---|---|---|---|---|---|---|
| Fixed Unit Costs and | | | | | | |
| (1) Independent Contracts: | | | | | | |
| Bulldozing | | | | | | |
| Drifting | $3,330.00 | $1,924.00 | $ 5,254.00 | 2812.00 | 1924.00 | 4,736.00 |
| Crosscutting | 1,024.00 | 15,025.70 | 16,949.70 | 1924.00 | 14526.20 | 16,450.20 |
| Drilling | | | | | | |
| (2) Personal Services: | | | | | | |
| Supervision & Technical | | | | | | |
| Outside Consultants | | | | | | |
| Labor | | | | | | |
| (3) Operating Mat'l. & Supplies: | | | | | | |
| Timber | | | | | | |
| Explosives | | | | | | |
| Pipe | | | | | | |
| Rail | | | | | | |
| (4) Operating Equipment: | | | | | | |
| Rental | | | | | | |
| Purchase | | | | | | |
| Depreciation | | | | | | |
| (5) Initial, Rehab. & Repairs: | | | | | | |
| Buildings, Fixtures, etc. | | | | | | |
| Operating Equipment | | | | | | |
| (6) New Buildings, Fixtures, etc. | | | | | | |
| (7) Miscellaneous: | | | | | | |
| Repairs to Equipment | | | | | | |
| Analytical Work | 72.00 | 58.00 | 130.00 | 72.00 | 58.00 | 130.00 |
| Payroll Taxes | | | | | | |
| Employee's Liability Ins. | | | | | | |
| TOTALS | $5,326.00 | $17,007.70 | $22,333.70 | 4808.00 | 16,508.20 | 21,316.20 |

EXTRA COPY
O. M. E.
RECEIVED JUN 30 1961

| DATE | INITIALS | CODE |
|---|---|---|
| 6/30 | [illegible] | 100 |
| 6/30 | [illegible] | 110 |
| 6/30 | [illegible] | 120 |
| | Barrowd | 500 |
| 7/3 | Murphy | 500 |

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

Date June 7, 1961 * Payee Northern Milling Company

Per Paul I. Raber 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.

A willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction is a criminal offense. (U.S. Code, Title 18, Sec. 1001.)

(INSTRUCTIONS ON REVERSE)

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

$ 2404.00

Signature ORS
(Authorized Certifying Officer)

Date 6/21/61 Vou. No. 5225

(SEE OTHER SIDE)

Certification by Government Representative:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating an exploration project in accordance with the terms of Contract No. 2121

Signature D R Macharen Title Acting Field Officer Reg I Date 6/15/61

Approved by OME Executive Officer or Alternate:

Signature D R Macharen Title Acting Field Officer Reg I Date 6/15/61

## OPERATOR'S MONTHLY REPORT

The Operator, under an Office of Minerals Exploration contract, is required to report monthly to the Government. The report consists of three parts.

FIRST, the Operator's Monthly Voucher on MME Form 60 listing the project costs incurred and claimed by the Operator is the voucher basis for payment of the Government's share of the cost.

SECOND, the Operator's Progress Report on MME Form 61 is a statistical report of the units and cost of of work performed under the contract.

THIRD, the Operator's Narrative Report is a concise description of the work performed, results accomplished, and any unusual situations encountered, illustrated and supported by engineering-geological maps or sketches, drill hole logs, assay reports, etc., as pertinent.

The Operator submits the original and four copies of each of the three sections of this report to the OME regional Executive Officer at the end of each month during the life of the contract.

## PREPARATION OF OPERATOR'S MONTHLY VOUCHER, MME FORM 60

After all applicable spaces are filled in, the Operator or his agent must sign the certification in the lower left corner. Categories (2) through (7) apply to "Actual Cost" contracts only.

Under "Fixed Unit Costs" and Category (1) report, (a) the total fixed unit costs of work performed under contract provisions for contribution by the Government on a basis of "fixed unit costs"; and (b) the claimed costs of work performed on a unit-price basis by independent contractors.

Under Category (2) include the claimed costs of all payrolled and invoiced supervisory, technical, and labor personnel, except the costs for services applicable to Categories (5) and (6).

Under Category (3) include the claimed costs of all project materials and supplies other than those used for work under Categories (5) and (6).

Under Category (4) report claimed rentals on equipment belonging to a third party, claimed payments or obligations for payments on the Operator's purchase of equipment, and claimed depreciation for the use of Operator-owned equipment.

Under Categories (5) and (6) include all claimed costs of labor, supervision, technical services, operating materials and supplies, and all other items used in (5) the initial rehabilitation and repairs of existing buildings, fixtures, installations (exclusive of mine workings), and operating equipment; and (6) the installation or construction of new buildings, fixtures, and fixed improvements (exclusive of mine workings). Do not report these costs under Categories (2), (3), (4), and (7).

Under Category (7) include all miscellaneous claimed costs such as repairs (other than initial) and maintenance of equipment, sampling and analysis, travel, communication, accounting, office expenses, and the Operator's share of payroll taxes and insurance.

Except for amounts claimed under "fixed unit costs" provisions of the contract, all costs claimed in this voucher must be supported by documentary evidence consisting of: (a) certified copies or transcripts of payrolls which list each employee, wage rate, period of employment, gross earnings, itemized deductions, and net earnings; (b) original or certified copies of invoices, statements of accounts, or purchase orders which indicate items of materials or services, quantities, unit prices, total charges, and payment terms; and (c) certified memoranda of the Operator for such items as depreciation of Operator-owned equipment, unemployment taxes, and employee's liability insurance. The certification may be stated thus, "Certified True Copy (or Transcript)", followed by the signature of the Operator or his agent. One copy of each document should accompany the original of this voucher.

The requirement for submitting documentary evidence of claimed costs may be waived by the OME regional Executive Officer if he determines that it is impracticable for an Operator to submit this material. In any case of waiver of this requirement an "on-site" audit by an OME auditor is mandatory prior to payment of the final Operator's Monthly Voucher.

MME FORM 61
SEPT. 1959

RECEIVED
JUN 12 1961
Via Air Mail
Dock. Mail

# UNITED STATES
# DEPARTMENT OF THE INTERIOR
## OFFICE OF MINERALS EXPLORATION

**OPERATOR'S PROGRESS REPORT** For Month of May 1961 Docket No. 6082

Operator's Name NORTHERN MILLING COMPANY Contract No. 14-23-090- 2121

| OPERATION | UNITS | FOR OPERATOR'S USE: UNITS THIS MONTH | UNITS TO DATE | COSTS TO DATE | FOR GOVERNMENT USE: APPROVED UNITS THIS MONTH | APPROVED UNITS TO DATE | APPROVED COSTS TO DATE |
|---|---|---|---|---|---|---|---|
| Drifting | 90' | 90' | 142' | $ 5,254.00 | 76 | 128 | 4736.00 |
| Crosscutting | 52' | 52' | 458.1 | 16,949.70 | 52 | 448.6 | 16,480.20 |
| Raising | | | | | | | |
| Shafts | | | | | | | |
| Winzes | | | | | | | |
| Other Underground | | | | | | | |
| Drilling, Core-Diamond | | | | | | | |
| Rotary | | | | | | | |
| Drilling, Non-core-Diamond | | | | | | | |
| Rotary | | | | | | | |
| Churn | | | | | | | |
| Percussion | | | | | | | |
| Miscellaneous | | | | | | | |
| | | | | | | | |
| Roads and Trails | | | | | | | |
| Stripping | | | | | | | |
| Trenching | | | | | | | |
| Test Pitting | | | | | | | |
| Other Surface Work | | | | | | | |
| Initial Rehabilitation and Repairs | | | | | | | |
| Rehabilitation of Mine Workings | | | | | | | |
| New Buildings, Fixtures, etc. | | | | | | | |
| Operating Equipment Purchases | | | | | | | |
| Analytical Work Jan. Arp. May assays | | | | 130.00 | | | 120.00 |
| TOTAL TO DATE (per MME Form 60) | | | | $22,333.70 | | | 21316.20 |

REMARKS

(Continue on back)

REMARKS

(Continue on back)

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 June 7, 1961 Operator Northern Milling Company

Per Paul I. Raber Title President

Paul I. Raber

A willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction is a criminal offense. (U.S. Code, Title 18, Sec. 1001.)

I certify that the information above is complete and accurate to the best of my knowledge and belief.

Signature D R Wachorn

Title Actg Full Officer Reg I
Government Representative

Date 6/15/61

(INSTRUCTIONS ON REVERSE)

REMARKS *(Cont.)*

REMARKS *(Cont.)*

## INSTRUCTIONS FOR PREPARING OPERATOR'S PROGRESS REPORT, MME FORM 61

This report is the second of the three parts of the Operator's Monthly Report. Submit the original and four copies.

The cost for each operation should be the total of all claimed costs attributable to that type of work with two exceptions, namely—operating equipment purchased and analytical work which are stated separately. For example, drifting costs should be the total of all costs chargeable to drifting including supervision, technical services, timbering (if any), etc. Similarly, drilling costs should include the cost of cementing, reaming, core boxes, etc. This procedure of distribution holds whether the contract was written on an actual cost or a unit cost basis, or some combination of the two. Distribute the cost of such general items as supervision, equipment rented, etc. according to relative footages or on some other conventional basis. The item "Initial Rehabilitation and Repairs" covers all rehabilitation and/or repairs other than the rehabilitation of mine workings.

The item titled "Drilling, Non-core Percussion" includes all drilling performed with wagon, jack-hammer, stoper and mounted drills. The several items labelled "Other" are provided to take care of particular exploration operations not specified on this form.

Docket 6082

Contract No. 2121
14-23-090

FOR MONTH OF May, 1961

OPERATOR'S NARRATIVE REPORT
Northern Milling Company
P. O. Box 361, Townsend, Montana

During the period of May 1st to June 6th, 1961, we drifted on the structure, which is apparently the Gold Dust Vein, 62 feet to the right and 28 feet to the left of the cross-cut. We also extended the cross-cut 52 feet at the previous heading of West 27° East in order to explore the possibility of a foot-wall vein, since it was necessary to prove that the vein which we encountered was the Gold Dust Vein.

At Mr. MacLaren's suggestion, a side-swipe round was blasted in an attempt to locate the Gold Dust Structure in the right hand drift, but exposed no significant evidence to substantiate the need for further drifting on the flat breaks which appeared to be part of the Gold Dust structure. A very extensive examination of the Mason Tunnel project was made by Mr. MacLaren during this period.

We are altering the course of the cross-cut to coincide with Mr. MacLaren's instructions - to North 45° West.

Date June 7th, 1961

Per Paul I. Raber
Paul I. Raber

Payee NORTHERN MILLING CO.

President

Via Air Mail
JUN 12
Cert. Mail

NORTHERN MILLING Co
Marietta Mine
EXPLORATION CONTRACT 14-23-093-2121

JUNE 6 1961
SCALE 1" = 50'

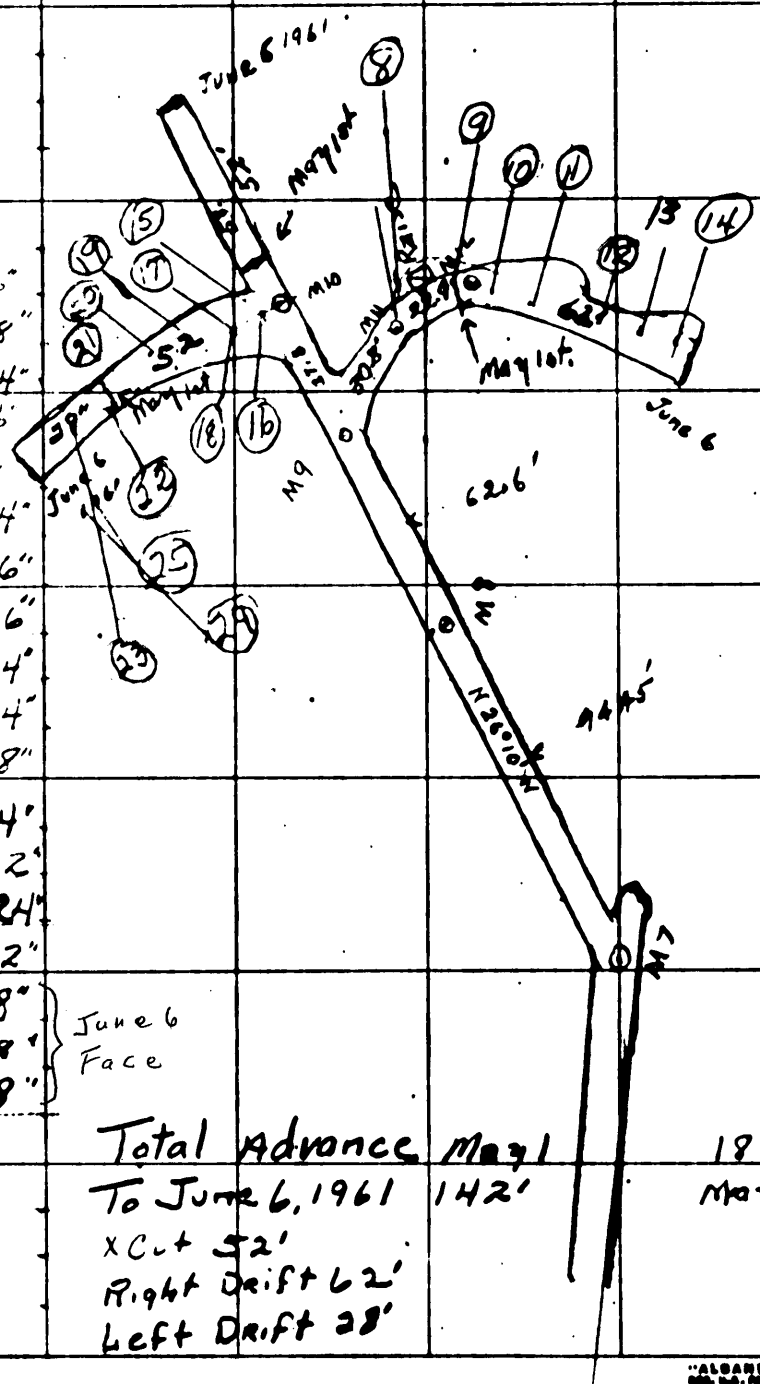
Legend For Assays

Circled Number indicates No of Sample on Assay Sheets

Samples 1 To 7 inclusive Vouchered For May 1, 1961

| No | AU | AG | PB | Zn | Width |
|---|---|---|---|---|---|
| 1 | .10 | .58 | 3.5 | No Zn. Determination Made | |
| 2 | .35 | .97 | 1.5 | | |
| 3 | 1.17 | 3.84 | 7.8 | | |
| 4 | 2.59 | 2.90 | 3.3 | | |
| 5 | .11 | .32 | .9 | | |
| 6 | .29 | 1.28 | 1.0 | | |
| 7 | .38 | .92 | 3.5 | | |
| 8 | .01 | .3 | None | 0.1 | 36" |
| 9 | 0.52 | 0.2 | None | 0.6 | 48" |
| 10 | 0.26 | 0.5 | 0.2 | 0.4 | 24" |
| 11 | 0.09 | 0.1 | 0.2 | 0.1 | 36" |
| 12 | 0.52 | 0.3 | None | None | 12" |
| 13 | 0.01 | 0.3 | ← | 0.4 | 24" |
| 14 | Trace | 0.3 | ← | 0.1 | 36" |
| 15 | 0.005 | 0.1 | ← | None | 36" |
| 16 | Trace | 0.3 | ← | ← | 24" |
| 17 | Trace | 0.1 | ← | 0.1 | 24" |
| 18 | 0.03 | 0.2 | ← | None | 18" |
| 19 | 0.18 | 0.7 | ← | 0.3 | 24" |
| 20 | 0.47 | 4.1 | 6.8 | 0.9 | 12" |
| 21 | 0.61 | 1.4 | 0.2 | 2.9 | 24" |
| 22 | 1.28 | 1.3 | None | 1.6 | 12" |
| 23 | 2.24 | .8 | 0.2 | 2.4 | 8" |
| 24 | .09 | 0.3 | None | None | 18" |
| 25 | .02 | 0.2 | None | None | 18" |

June 6 Face




Total Advance May 1 To June 6, 1961 142'
X Cut 52'
Right Drift 62'
Left Drift 28'

18 Sample May 1 To June 6

"ALBANENE" No. 1066B K&E CO., N.Y.

A. J. GOODALL,
Assayer, Chemist

A. Y. TRENT,
Assayer, Chemist

# GOODALL BROTHERS

ASSAYERS AND METALLURGICAL CHEMISTS

44 SO. MAIN ST., HELENA, MONTANA

TEL. 442
P. O. BOX 587

Date MAY 29 1961

UMPIRE ASSAY..... CONTROL ASSAY..... HAND SAMPLE.....

ASSAYED FOR: Northern Milling Co. MARKS: Lorraine

| Sample No. | DESCRIPTION | Gold Ozs. Per Ton | Silver Ozs. Per Ton | Wet Seed Per Cent | Copper Per Cent | Zinc Per Cent | Iron Per Cent | Insol. Per Cent | Per Cent | Total Val. Per Ton |
|---|---|---|---|---|---|---|---|---|---|---|
| 8 | | 0.01 | 0.3 | None | | 0.1 | | | | |
| 9 | | 0.02 | 0.3 | ✓ | | 0.6 | | | | |
| 10 | | 0.26 | 0.5 | 0.2 | | 0.4 | | | | |
| 11 | | 0.09 | 0.1 | 0.2 | | 0.1 | | | | |
| 12 | | 0.52 | 0.3 | None | | None | | | | |
| 13 | | 0.01 | 0.3 | ✓ | | 0.4 | | | | |
| 14 | | Trace | 0.3 | ✓ | | 0.1 | | | | |
| 15 | | 0.005 | 0.1 | ✓ | | None | | | | |
| 16 | | Trace | 0.3 | ✓ | | ✓ | | | | |
| 17 | | Trace | 0.1 | ✓ | | 0.1 | | | | |
| 18 | | 0.03 | 0.2 | ✓ | | None | | | | |
| 19 | | 0.18 | 0.7 | ✓ | | 0.3 | | | | |
| 20 | | 0.47 | 4.1 | 6.8 | | 0.9 | | | | |
| 21 | | 0.61 | 1.4 | 0.2 | | 2.9 | | | | |
| 22 | | 1.28 | 1.3 | None | | 1.6 | | | | |

Gold not determined.....

Charges $ 75

NPCo. Form 5—A-6064

GOODALL BROS.

By A. Y. Trent

A. V. TRENT,
Owner-Manager

# GOODALL BROTHERS

ASSAYERS AND METALLURGICAL CHEMISTS
46 South Main Street, Helena, Montana

TEL. 442-3770
P. O. BOX 537

Date JUN 3 - 1961

UMPIRE ASSAY _____ CONTROL ASSAY _____ HAND SAMPLE _____

ASSAYED FOR Northern Milling Co.

MARKS:

| Sample No. | DESCRIPTION | GOLD Ozs. Per Ton | SILVER Ozs. Per Ton | WET LEAD Per Cent | COPPER Per Cent | ZINC Per Cent | IRON Per Cent | NICKEL Per Cent | Per Cent | Total Value Per Ton |
|---|---|---|---|---|---|---|---|---|---|---|
| 23 | | 0.24 | 0.8 | 0.2 | | 2.4 | | | | |
| 24 | | 0.09 | 0.3 | None | | None | | | | |
| 25 | | 0.02 | 0.2 | None | | None | | | | |
| 48' | sample #1 mine | 0.07 | 0.3 | None | | None | | | | |

Gold not deducted _____

Charges $ 10.00

GOODALL BROS.

By A. V. Trent

ORM 6 REFERENCE SLIP

2-59 OFFICE OF MINERALS EXPLORATION 5/26/61

| | DATE | INITIALS |
|---|---|---|
| hief, Fiscal Section<br>Office of the Secretary | | |
| le: OME-6082 (Lead-Zinc) | | |
| 2. Northern Milling Co., Inc<br>Marietta Mine | | |
| 3. Broadwater Co., Montana<br>Contract 2121 | | |
| 4. Appropriation Symbol: OME14x0108 | | |
| 5. D. R. MacLaren | | |
| FROM: Acting Field Officer, OME<br>Region I | | |

FOR: Check items for action desired

| | | |
|---|---|---|
| x Action | ____ Reply for signature of ____ | |
| ____ Approval | ____ Investigate | ____ Surname |
| ____ Comment | ____ Recommendations | ____ Signature |
| ____ Conference | ____ Rewrite | ____ File |
| ____ Instructions | Your information | |

REMARKS:

Transmittal of Operator's Monthly Voucher and Progress Report (MME Forms 60 and 61) together with narrative for March 1961.

MME FORM 60
SEPT. 1959

Sch. 1700

# UNITED STATES
# DEPARTMENT OF THE INTERIOR
## OFFICE OF MINERALS EXPLORATION

Docket No. 6082
Contract No. 2121
14-23-090-

## OPERATOR'S MONTHLY VOUCHER

For Month of April 1961

Contract Amount $102,300.00
Gov't. Participation % 50 $51,150.00
Mineral(s) Lead & Zinc

Operator's Name NORTHERN MILLING COMPANY
Address P. O. Box 361, Townsend, Montana

| COST CATEGORIES | FOR OPERATOR'S USE | | | FOR GOVERNMENT APPROVAL ONLY | | |
|---|---|---|---|---|---|---|
| | MONTHLY TOTAL | PREVIOUSLY REPORTED | TOTALS TO DATE | MONTHLY TOTAL | PREVIOUSLY REPORTED | TOTALS TO DATE |
| Fixed Unit Costs and | | | | | | |
| (1) Independent Contracts: | | | | | | |
| Bulldozing | | | | | | |
| Drifting | $1,924.00 | None | $ 1,924.00 | 1924.00 | — | 1,924.00 |
| Crosscutting | 2,815.70 | 12,210.00 | 15,025.70 | 2815.70 | 11,710.50 | 14,526.20 |
| Drilling | | | | | | |
| (2) Personal Services: | | | | | | |
| Supervision & Technical | | | | | | |
| Outside Consultants | | | | | | |
| Labor | | | | | | |
| (3) Operating Mat'l. & Supplies: | | | | | | |
| Timber | | | | | | |
| Explosives | | | | | | |
| Pipe | | | | | | |
| Rail | | | | | | |
| (4) Operating Equipment: | | | | | | |
| Rental | | | | | | |
| Purchase | | | | | | |
| Depreciation | | | | | | |
| (5) Initial Rehab. & Repairs: | | | | | | |
| Buildings, Fixtures, etc. | | | | | | |
| Operating Equipment | | | | | | |
| (6) New Buildings, Fixtures, etc. | | | | | | |
| (7) Miscellaneous: | | | | | | |
| Repairs to Equipment | | | | | | |
| Analytical Work | 44.00 | 14.00 | 58.00 | 44.00 | 14.00 | 58.00 |
| Payroll Taxes | | | | | | |
| Employee's Liability Ins. | | | | | | |
| TOTALS | 4,783.70 | 12,224.00 | 17,007.70 | 4783.70 | 11,710.50 | 16,508.20 |

Extra

OFFICIAL FILE COPY
O. M. E
RECEIVED MAY 31 1961

| DATE | INITIALS | CODE |
|---|---|---|
| 5/31 | gad | 1700 |
| 6-1 | [illegible] | FIO |
| | | 1700 |
| 6/5 | Murphy | 500 |

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

Date May 15, 1961 *Payee Northern Milling Company

Per Paul I. Raber Title President

Paul I. Raber

* 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.

A willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction is a criminal offense. (U.S. Code, Title 18, Sec. 1001.)

(INSTRUCTIONS ON REVERSE)

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

$ 2391.85

Signature OAS
(Authorized Certifying Officer)

Date 5/31/61 Vou. No. 4850

(SEE OTHER SIDE)

Certification by Government Representative:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating an exploration project in accordance with the terms of Contract No. 2121

Signature D.R. MacKaren Title Acting Field Officer Date 5/26/61

Approved by OME Executive Officer or Alternate:

Signature D.R. MacKaren Title Acting Field Officer Date 5/26/61

## OPERATOR'S MONTHLY REPORT

The Operator, under an Office of Minerals Exploration contract, is required to report monthly to the Government. The report consists of three parts.

FIRST, the Operator's Monthly Voucher on MME Form 60 listing the project costs incurred and claimed by the Operator is the voucher basis for payment of the Government's share of the cost.

SECOND, the Operator's Progress Report on MME Form 61 is a statistical report of the units and cost of of work performed under the contract.

THIRD, the Operator's Narrative Report is a concise description of the work performed, results accomplished, and any unusual situations encountered, illustrated and supported by engineering-geological maps or sketches, drill hole logs, assay reports, etc., as pertinent.

The Operator submits the original and four copies of each of the three sections of this report to the OME regional Executive Officer at the end of each month during the life of the contract.

## PREPARATION OF OPERATOR'S MONTHLY VOUCHER, MME FORM 60

After all applicable spaces are filled in, the Operator or his agent must sign the certification in the lower left corner. Categories (2) through (7) apply to "Actual Cost" contracts only.

Under "Fixed Unit Costs" and Category (1) report, (a) the total fixed unit costs of work performed under contract provisions for contribution by the Government on a basis of "fixed unit costs"; and (b) the claimed costs of work performed on a unit-price basis by independent contractors.

Under Category (2) include the claimed costs of all payrolled and invoiced supervisory, technical, and labor personnel, except the costs for services applicable to Categories (5) and (6).

Under Category (3) include the claimed costs of all project materials and supplies other than those used for work under Categories (5) and (6).

Under Category (4) report claimed rentals on equipment belonging to a third party, claimed payments or obligations for payments on the Operator's purchase of equipment, and claimed depreciation for the use of Operator-owned equipment.

Under Categories (5) and (6) include all claimed costs of labor, supervision, technical services, operating materials and supplies, and all other items used in (5) the initial rehabilitation and repairs of existing buildings, fixtures, installations (exclusive of mine workings), and operating equipment; and (6) the installation or construction of new buildings, fixtures, and fixed improvements (exclusive of mine workings). Do not report these costs under Categories (2), (3), (4), and (7).

Under Category (7) include all miscellaneous claimed costs such as repairs (other than initial) and maintenance of equipment, sampling and analysis, travel, communication, accounting, office expenses, and the Operator's share of payroll taxes and insurance.

Except for amounts claimed under "fixed unit costs" provisions of the contract, all costs claimed in this voucher must be supported by documentary evidence consisting of: (a) certified copies or transcripts of payrolls which list each employee, wage rate, period of employment, gross earnings, itemized deductions, and net earnings; (b) original or certified copies of invoices, statements of accounts, or purchase orders which indicate items of materials or services, quantities, unit prices, total charges, and payment terms; and (c) certified memoranda of the Operator for such items as depreciation of Operator-owned equipment, unemployment taxes, and employee's liability insurance. The certification may be stated thus, "Certified True Copy (or Transcript)", followed by the signature of the Operator or his agent. One copy of each document should accompany the original of this voucher.

The requirement for submitting documentary evidence of claimed costs may be waived by the OME regional Executive Officer if he determines that it is impracticable for an Operator to submit this material. In any case of waiver of this requirement an "on-site" audit by an OME auditor is mandatory prior to payment of the final Operator's Monthly Voucher.

MME FORM 61
SEPT. 1959

# UNITED STATES
# DEPARTMENT OF THE INTERIOR
## OFFICE OF MINERALS EXPLORATION

**OPERATOR'S PROGRESS REPORT** For Month of April, 1961 Docket No. 6082

Operator's Name NORTHERN MILLING COMPANY Contract No. 14-23-090-2121

| OPERATION | UNITS | FOR OPERATOR'S USE | | | FOR GOVERNMENT USE | | |
|---|---|---|---|---|---|---|---|
| | | UNITS THIS MONTH | UNITS TO DATE | COSTS TO DATE | APPROVED UNITS THIS MONTH | APPROVED UNITS TO DATE | APPROVED COSTS TO DATE |
| Drifting | 52' | 52' | 52' | $1,924.00 | 52.0 | 52.0 | 1,924.00 |
| Crosscutting | 76.1 | 76.1 | 406.1' | 15,025.70 | 76.1 | 392.6 | 14,526.20 |
| Raising | | | | | | | |
| Shafts | | | | | | | |
| Winzes | | | | | | | |
| Other Underground | | | | | | | |
| Drilling, Core-Diamond | | | | | | | |
| Rotary | | | | | | | |
| Drilling, Non-core-Diamond | | | | | | | |
| Rotary | | | | | | | |
| Churn | | | | | | | |
| Percussion | | | | | | | |
| Miscellaneous | | | | | | | |
| | | | | | | | |
| Roads and Trails | | | | | | | |
| Stripping | | | | | | | |
| Trenching | | | | | | | |
| Test Pitting | | | | | | | |
| Other Surface Work | | | | | | | |
| Initial Rehabilitation and Repairs | | | | | | | |
| Rehabilitation of Mine Workings | | | | | | | |
| New Buildings, Fixtures, etc. | | | | | | | |
| Operating Equipment Purchases | | | | | | | |
| Analytical Work Jan & Apr. Assays | | | | 58.00 | | | 58.00 |
| TOTAL TO DATE *(per MME Form 60)* | | | | 17,007.70 | | | 16,508.20 |

REMARKS

*(Continue on back)*

REMARKS

*(Continue on back)*

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 15, 1961 Operator Northern Milling Company

Per Paul I. Raber Title President

A willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction is a criminal offense. (U.S. Code, Title 18, Sec. 1001.)

I certify that the information above is complete and accurate to the best of my knowledge and belief.

Signature D.R. Macharen

Title Actg Field Officer
Government Representative

Date 5/26/61

(INSTRUCTIONS ON REVERSE)

REMARKS *(Cont.)*

REMARKS *(Cont.)*

## INSTRUCTIONS FOR PREPARING OPERATOR'S PROGRESS REPORT, MME FORM 61

This report is the second of the three parts of the Operator's Monthly Report. Submit the original and four copies.

The cost for each operation should be the total of all claimed costs attributable to that type of work with two exceptions, namely—operating equipment purchased and analytical work which are stated separately. For example, drifting costs should be the total of all costs chargeable to drifting including supervision, technical services, timbering (if any), etc. Similarly, drilling costs should include the cost of cementing, reaming, core boxes, etc. This procedure of distribution holds whether the contract was written on an actual cost or a unit cost basis, or some combination of the two. Distribute the cost of such general items as supervision, equipment rented, etc. according to relative footages or on some other conventional basis. The item "Initial Rehabilitation and Repairs" covers all rehabilitation and/or repairs other than the rehabilitation of mine workings.

The item titled "Drilling, Non-core Percussion" includes all drilling performed with wagon, jack-hammer, stoper and mounted drills. The several items labelled "Other" are provided to take care of particular exploration operations not specified on this form.

Docket No. 6082

Contract No. 2121
14-23-090

FOR MONTH OF April, 1961

OPERATOR'S NARRATIVE REPORT
Northern Milling Company

P. O. Box 361, Townsend, Montana

During the drifting covered by this voucher we intersected a vein approximately eighteen (18) inches thick at approximately 78 feet from Station M8, dipping 45 degrees to the Southeast bearing North 75° East.

At 95 feet we intersected a vein dipping 50° to the South bearing North 85° East.

With the approval of Mr. D. R. MacLaren, Acting Field Officer Region I, OME, we drifted 52 feet to the left, and 40½ feet to the right - following the mineralized zone.

Date May 15, 1961

Per Paul I. Raber
Paul I. Raber

Payee NORTHERN MILLING CO.

President

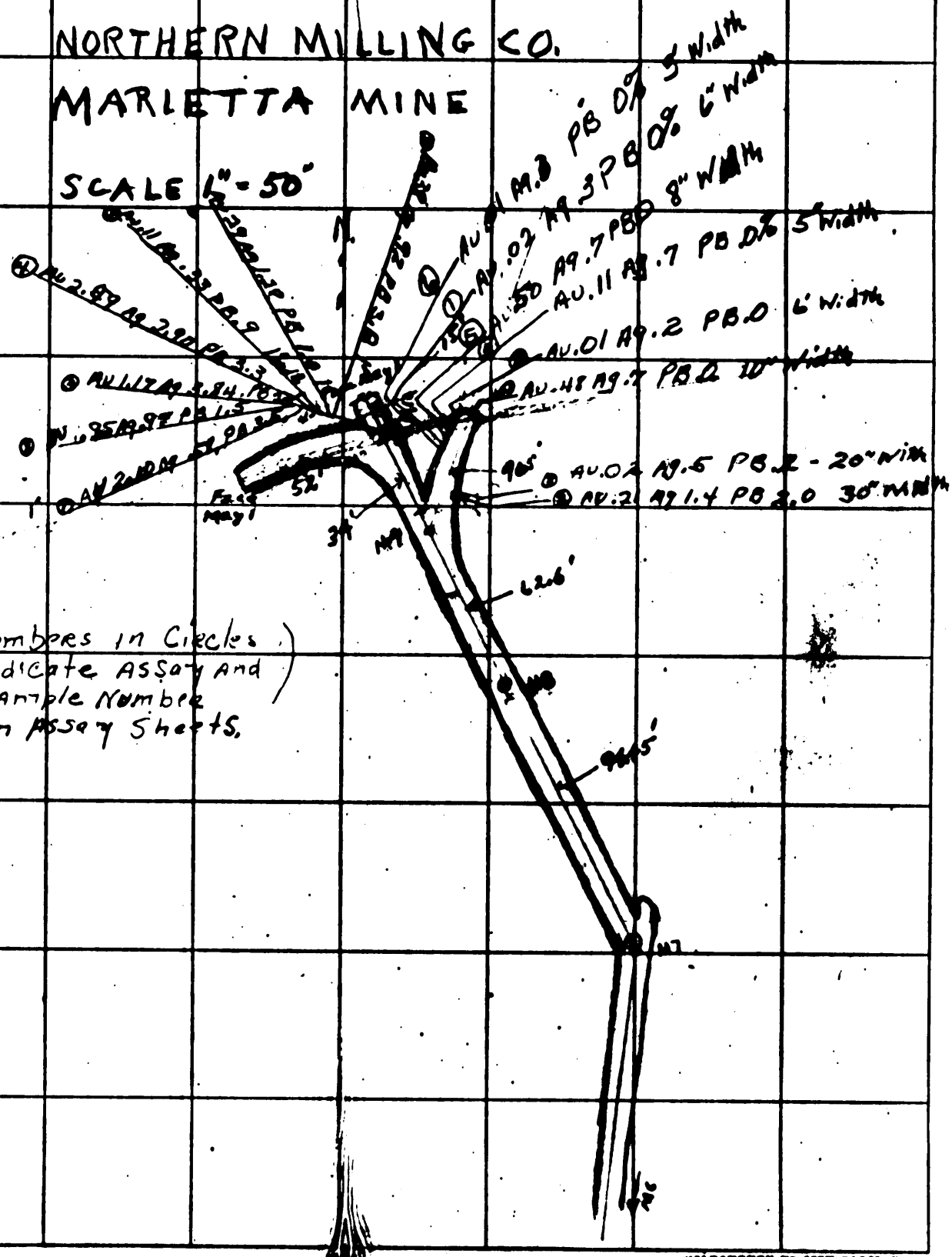
EXPLORATION CONTRACT NO 14-23-093-2121

MAY 1 1961

NORTHERN MILLING CO.

MARIETTA MINE

SCALE 1" = 50'




(Numbers in Circles indicate Assay and Sample Number on Assay Sheets.)

A. V. TRENT,
Owner-Manager

# GOODALL BROTHERS

ASSAYERS AND METALLURGICAL CHEMISTS
46 South Main Street, Helena, Montana

TEL. HI 2-3770
P. O. BOX 537

Date MAY 2 - 1961

UMPIRE ASSAY_____ CONTROL ASSAY_____ HAND SAMPLE_____

ASSAYED FOR: Northern Milling Co.

MARKS: Forward

| Sample No. | DESCRIPTION | GOLD Ozs. Per Ton | SILVER Ozs. Per Ton | WET LEAD Per Cent | COPPER Per Cent | ZINC Per Cent | IRON Per Cent | INSOL. Per Cent | Per Cent | Total Value Per Ton |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | 0.02 | 0.3 | None | | | | | | |
| 2 | | 0.21 | 1.4 | 2.0 | | | | | | |
| 3 | | 0.02 | 0.5 | 0.2 | | | | | | |
| 4 | | 0.44 | 0.7 | None | | | | | | |
| 5 | | 0.50 | 0.7 | None | | | | | | |
| 6 | | 0.01 | 0.3 | None | | | | | | |
| 7 | | 0.11 | 0.7 | None | | | | | | |
| 8 | | 0.01 | 0.2 | | | | | | | |

Gold not deducted_____

Charges $ 26.50

GOODALL BROS.

By A. V. Trent

DATE April 9 1961 ASSAYED BY J. Lee

| No. | Wt. | Ing. | DESCRIPTION | Scale Wt. Net | Scale Wt. Gr. | Oz/Ton Gold | Oz/Ton Silver | Pb |
|---|---|---|---|---|---|---|---|---|
| 1 | 5 Kt. | 4 mg | Mason Tunnel: 91~95' From M-8, N. of Fault, 2"~1' of Py. Asp. & PbS | 2.68 | | 2.10 | .58 | 3.5 |
| 2 | " | " | " " " N. of No. 1 Sample, 4"~6" of Bleached Sed. w/ Py | 1.92 | | .95 | .97 | 1.5 |
| 3 | " | " | " " " Py & Asp Ore at Fault | 5.01 | | 1.17 | 3.14 | 7.8 |
| 4 | " | " | " " " Py & Asp in Qtz Vn, 1' wide | 5.49 | | 2.59 | 2.90 | 3.3 |
| 5 | " | " | " " " 1' of Fe Vn, Clay w/ Sed. | .43 | | .11 | .32 | .9 |
| 6 | " | " | " " " 1' of Oxidized Vn. | 1.57 | | .29 | 1.28 | 1.0 |
| 7 | " | " | " " " S. of Fault, 1' of Pyrite in Massive Qtz | 1.30 | | .38 | .92 | 3.6 |

It represents combined width of 3.5'~16.0'.

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION
So. 157 Howard Street
Spokane 4, Washington
April 11, 1961

OFFICIAL FILE COPY
O. M. E.
RECEIVED APR 13 1961

| DATE | INITIALS | CODE |
|---|---|---|
| 4-13 | gad | 220 |
| " | FG | 110 |
| 4/13 | [illegible] | 800 |
| | [illegible] | 100 |
| | | |
| | | |
| | | |

Memorandum

To: Chief, Division of Field Operations

From: Acting Field Officer, Region I

Subject: Transmittal of inspection report

Enclosed are the original and two copies of the following interim inspection report:

| OME | | Date |
|---|---|---|
| 6082 | Northern Milling Co., Inc., Marietta mine, Broadwater County, Montana | 4/11/61 |

D R MacLaren
D. R. MacLaren

Enclosure - in trip.

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION
So. 157 Howard Street
Spokane 4, Washington
April 11, 1961

OFFICIAL FILE COPY
O. M. E.
RECEIVED APR 13 1961

| DATE | INITIALS | CODE |
|---|---|---|
| 4-13 | gad | 110 |
| | | 110 |
| | | 800 |
| | | 500 |

Memorandum

To: Chief, Division of Field Operations

From: Acting Field Officer, Region I

Subject: Interim inspection report, OME-6082 (Lead-Zinc), Northern Milling Company, Inc., Marietta Mine, Broadwater County, Montana, Contract 2121

The Marietta mine was visited April 5, 1961, and the work in the tunnel was inspected and mapped in the company of Paul I. Raber, President. The last inspection was made January 10, 1961.

Since the last inspection, which was made January 10, 1961, the crosscut has been advanced 200.5 feet for a total advance of 316.5 feet. The crosscut was driven on a bearing of N. 5° E. for about 173 feet. At 157 feet it cut the Robideau vein which had a strike of N. 20° W. As the ground had been extremely difficult to break authorization was requested by telephone to follow this vein to the Gold Dust vein. This request was approved by a Work Authorization dated February 10, 1961. However, the Robideau vein soon swung toward the west and rather than risk following it any further in that direction, the crosscut was kept on a bearing of N. 20° W. Except for a few hard ribs near the face the ground is breaking better and stands well requiring no timber.

The position of the Gold Dust vein as projected at 45° from the No. 5 level has been passed with no sign of the vein. However, Mr. Raber has located and talked with one of the men who worked in a winze on the Gold Dust vein. He reported that "a short distance" below the level the vein steepened considerably, although he could not recall how far below the level or how much the vein steepened.

A second shift was put on March 13, 1961.

D. R. MacLaren

Distribution:
OME(Orig.&2)
Docket
MacLaren

Official
EXTRA COPY
O. M. E
RECEIVED APR 14 1961

| DATE | INITIALS | CODE |
|---|---|---|
| 4/14 | [illegible] | 110 |
| | | 140 |
| 4/17 | Murphy | 500 |
| | | |
| | | |

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION
No. 137 Bennett Street
Spokane 4, Washington
April 11, 1961

Mr. Paul I. Baber, President
Northern Milling Company, Inc.
Box 361
Townsend, Montana

Re: [illegible] (Lead-Zinc)
Marietta Mine
Broadwater County, Montana
Contract [illegible]

Dear Mr. Baber:

I have received your voucher for March 1961 and have approved for payment 94.5 feet of drift instead of the 108 feet claimed for the following reason:

According to our records the distance from the starting point to point M-7 is 158.5 feet and the distance from point M-7 to the face is 164 feet and the previous measurement for which payment was made is 222 feet. I believe that you have added the 164 feet from M-7 to 166 feet which is the distance from the starting point to the breast of the crosscut before it was turned to the new bearing and did not allow for the fact that most of the extra footage makes up the width of the opening on the new bearing and part represents the width on the old bearing.

I will remeasure the point-to-point distances with Mr. Tom the next time I come over and any indicated adjustment will be made at this time.

Sincerely yours,

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

cc: OME(3)
Voucher File
Director
Econ. Geol.
BLM
Fiscal Section
Office of the Secretary

MME-FORM 60
SEPT. 1959

RECEIVED
Via Air Mail
APR 11 1961
Cert Mail
U.S.G.S.
WASH.

Sch 1441

# UNITED STATES
# DEPARTMENT OF THE INTERIOR
## OFFICE OF MINERALS EXPLORATION

Docket No. 6082
Contract No.
14-23-090- 2121
Contract Amount $102,300.00
Gov't. Participation % 50 $51,150.00
Mineral(s) Lead & Zinc

## OPERATOR'S MONTHLY VOUCHER

For Month of March 1961

Operator's Name NORTHERN MILLING COMPANY
Address P. O. Box 361, Townsend, Montana

| COST CATEGORIES | FOR OPERATOR'S USE | | | FOR GOVERNMENT APPROVAL ONLY | | |
|---|---|---|---|---|---|---|
| | MONTHLY TOTAL | PREVIOUSLY REPORTED | TOTALS TO DATE | MONTHLY TOTAL | PREVIOUSLY REPORTED | TOTALS TO DATE |
| Fixed Unit Costs and | | | | | | |
| (1) Independent Contracts: | | | | | | |
| Bulldozing | | | | | | |
| Drifting | | 8,214.00 | | | | |
| Crosscutting | $3,996.00 | $6,290.00 | $12,210.00 | 3496.50 | 8,214.00 | 11,710.50 |
| Drilling | | | | | | |
| (2) Personal Services: | | | | | | |
| Supervision & Technical | | | | | | |
| Outside Consultants | | | | | | |
| Labor | | | | | | |
| (3) Operating Mat'l. & Supplies: | | | | | | |
| Timber | | | | | | |
| Explosives | | | | | | |
| Pipe | | | | | | |
| Rail | | | | | | |
| (4) Operating Equipment: | | | | | | |
| Rental | | | | | | |
| Purchase | | | | | | |
| Depreciation | | | | | | |
| (5) Initial Rehab. & Repairs: | | | | | | |
| Buildings, Fixtures, etc. | | | | | | |
| Operating Equipment | | | | | | |
| (6) New Buildings, Fixtures, etc. | | | | | | |
| (7) Miscellaneous: | | | | | | |
| Repairs to Equipment | | | | | | |
| Analytical Work | | (Jan.) 14.00 | 14.00 | | 14.00 | 14.00 |
| Payroll Taxes | | | | | | |
| Employee's Liability Ins. | | | | | | |
| TOTALS | | | ~~$12,224.00~~ | 3496.50 | 8,228.00 | 11,724.50 |

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

Date April 7, 1961 Payee Northern Milling Company
Per W. P. Wade Consulting Engineer
Per Paul Kober 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.

A willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction is a criminal offense. (U.S. Code, Title 18, Sec. 1001.)

(INSTRUCTIONS ON REVERSE)

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

$ 1748.25

Signature _____ OR
(Authorized Certifying Officer)

Date 4/14/61 Vou. No. 4096

(SEE OTHER SIDE)

Certification by Government Representative:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating an exploration project in accordance with the terms of Contract No. 2121

Signature Donald R. Macharen Title Acting Field Officer, OME Region I Date APR 11 1961

Approved by OME Executive Officer or Alternate:

Signature Donald R. Macharen Title Acting Field Officer, OME Region I Date APR 11 1961

## OPERATOR'S MONTHLY REPORT

The Operator, under an Office of Minerals Exploration contract, is required to report monthly to the Government. The report consists of three parts.

FIRST, the Operator's Monthly Voucher on MME Form 60 listing the project costs incurred and claimed by the Operator is the voucher basis for payment of the Government's share of the cost.

SECOND, the Operator's Progress Report on MME Form 61 is a statistical report of the units and cost of of work performed under the contract.

THIRD, the Operator's Narrative Report is a concise description of the work performed, results accomplished, and any unusual situations encountered, illustrated and supported by engineering-geological maps or sketches, drill hole logs, assay reports, etc., as pertinent.

The Operator submits the original and four copies of each of the three sections of this report to the OME regional Executive Officer at the end of each month during the life of the contract.

## PREPARATION OF OPERATOR'S MONTHLY VOUCHER, MME FORM 60

After all applicable spaces are filled in, the Operator or his agent must sign the certification in the lower left corner. Categories (2) through (7) apply to "Actual Cost" contracts only.

Under "Fixed Unit Costs" and Category (1) report, (a) the total fixed unit costs of work performed under contract provisions for contribution by the Government on a basis of "fixed unit costs"; and (b) the claimed costs of work performed on a unit-price basis by independent contractors.

Under Category (2) include the claimed costs of all payrolled and invoiced supervisory, technical, and labor personnel, except the costs for services applicable to Categories (5) and (6).

Under Category (3) include the claimed costs of all project materials and supplies other than those used for work under Categories (5) and (6).

Under Category (4) report claimed rentals on equipment belonging to a third party, claimed payments or obligations for payments on the Operator's purchase of equipment, and claimed depreciation for the use of Operator-owned equipment.

Under Categories (5) and (6) include all claimed costs of labor, supervision, technical services, operating materials and supplies, and all other items used in (5) the initial rehabilitation and repairs of existing buildings, fixtures, installations (exclusive of mine workings), and operating equipment; and (6) the installation or construction of new buildings, fixtures, and fixed improvements (exclusive of mine workings). Do not report these costs under Categories (2), (3), (4), and (7).

Under Category (7) include all miscellaneous claimed costs such as repairs (other than initial) and maintenance of equipment, sampling and analysis, travel, communication, accounting, office expenses, and the Operator's share of payroll taxes and insurance.

Except for amounts claimed under "fixed unit costs" provisions of the contract, all costs claimed in this voucher must be supported by documentary evidence consisting of: (a) certified copies or transcripts of payrolls which list each employee, wage rate, period of employment, gross earnings, itemized deductions, and net earnings; (b) original or certified copies of invoices, statements of accounts, or purchase orders which indicate items of materials or services, quantities, unit prices, total charges, and payment terms; and (c) certified memoranda of the Operator for such items as depreciation of Operator-owned equipment, unemployment taxes, and employee's liability insurance. The certification may be stated thus, "Certified True Copy (or Transcript)", followed by the signature of the Operator or his agent. One copy of each document should accompany the original of this voucher.

The requirement for submitting documentary evidence of claimed costs may be waived by the OME regional Executive Officer if he determines that it is impracticable for an Operator to submit this material. In any case of waiver of this requirement an "on-site" audit by an OME auditor is mandatory prior to payment of the final Operator's Monthly Voucher.

MME FORM 61
SEPT. 1959

RECEIVED
APR 11 1961
U.S.G.S.
WASH.

# UNITED STATES
# DEPARTMENT OF THE INTERIOR
## OFFICE OF MINERALS EXPLORATION

## OPERATOR'S PROGRESS REPORT

For Month of March 1961 Docket No. 6082

Operator's Name Northern Milling Company Contract No. 14-23-090-2121

| OPERATION | UNITS | FOR OPERATOR'S USE: UNITS THIS MONTH | UNITS TO DATE | COSTS TO DATE | FOR GOVERNMENT USE: APPROVED UNITS THIS MONTH | APPROVED UNITS TO DATE | APPROVED COSTS TO DATE |
|---|---|---|---|---|---|---|---|
| Drifting | | | | | | | |
| Crosscutting | 108 | 108 | 330 | $12,210.00 | 94.5 | 316.5 | $11,710.50 |
| Raising | | | | | | | |
| Shafts | | | | | | | |
| Winzes | | | | | | | |
| Other Underground | | | | | | | |
| Drilling, Core-Diamond | | | | | | | |
| Rotary | | | | | | | |
| Drilling, Non-core-Diamond | | | | | | | |
| Rotary | | | | | | | |
| Churn | | | | | | | |
| Percussion | | | | | | | |
| Miscellaneous | | | | | | | |
| | | | | | | | |
| Roads and Trails | | | | | | | |
| Stripping | | | | | | | |
| Trenching | | | | | | | |
| Test Pitting | | | | | | | |
| Other Surface Work | | | | | | | |
| Initial Rehabilitation and Repairs | | | | | | | |
| Rehabilitation of Mine Workings | | | | | | | |
| New Buildings, Fixtures, etc. | | | | | | | |
| Operating Equipment Purchases | | | | | | | |
| Analytical Work — Jan. Assays | | | | 14.00 | | | 14.00 |
| TOTAL TO DATE (per MME Form 60) | | | | $12,224.00 | | | $11,724.50 |

REMARKS

(Continue on back)

REMARKS

(Continue on back)

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 April 7, 1961 Operator Northern Milling Company

Per W. P. Wade Consulting Engineer

Per Paul Kohler Title President

A willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction is a criminal offense. (U.S. Code, Title 18, Sec. 1001.)

I certify that the information above is complete and accurate to the best of my knowledge and belief.

Signature Donald K. Mechan

Title Acting Field Officer, OME
Government Representative I

Date APR 11 1961

(INSTRUCTIONS ON REVERSE)

## INSTRUCTIONS FOR PREPARING OPERATOR'S PROGRESS REPORT, MME FORM 61

This report is the second of the three parts of the Operator's Monthly Report. Submit the original and four copies.

The cost for each operation should be the total of all claimed costs attributable to that type of work with two exceptions, namely—operating equipment purchased and analytical work which are stated separately. For example, drifting costs should be the total of all costs chargeable to drifting including supervision, technical services, timbering (if any), etc. Similarly, drilling costs should include the cost of cementing, reaming, core boxes, etc. This procedure of distribution holds whether the contract was written on an actual cost or a unit cost basis, or some combination of the two. Distribute the cost of such general items as supervision, equipment rented, etc. according to relative footages or on some other conventional basis. The item "Initial Rehabilitation and Repairs" covers all rehabilitation and/or repairs other than the rehabilitation of mine workings.

The item titled "Drilling, Non-core Percussion" includes all drilling performed with wagon, jack-hammer, stoper and mounted drills. The several items labelled "Other" are provided to take care of particular exploration operations not specified on this form.

FOR MONTH OF March, 1961

Docket No. 6082

OPERATOR'S NARRATIVE REPORT
Northern Milling Company
P. O. Box 361, Townsend, Montana

Contract No. 2121
14-23-090

Approximately one month ago we put on an additional shift, so we are working sixteen (16) hours per day in the Mason Tunnel drift.

We encountered two (2) extremely hard andesite ribs where we experienced some difficulty in obtaining our footage. Within this 108', which we are submitting in this report, the moisture in the seams has decreased. In this same area our bit cost per foot of hole has increased because of this more dense rock condition.

Date April 7, 1961

Payee Northern Milling Company

Per N. P. Wade

Consulting Engineer

Per Paul Raher

President

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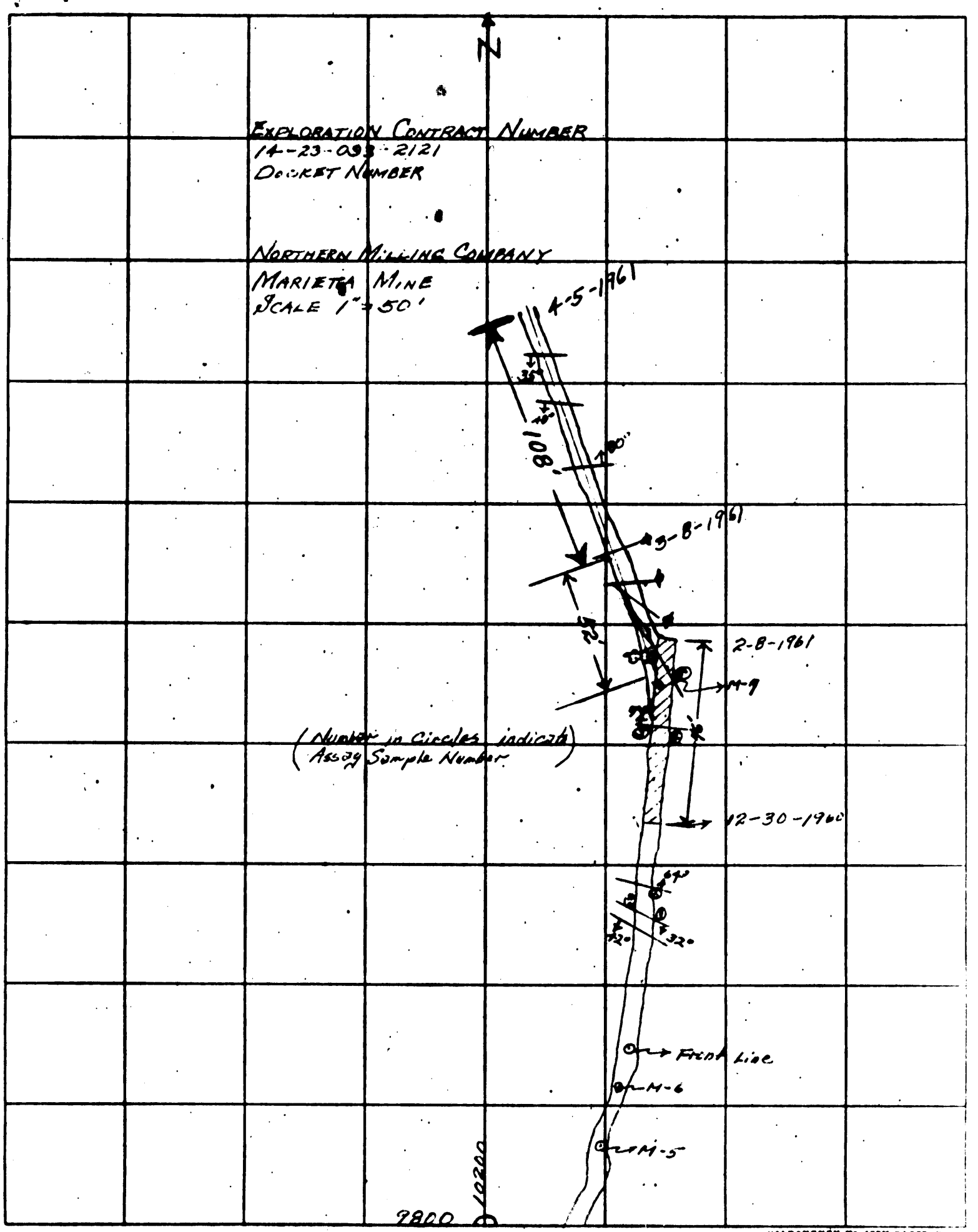
Via Air Mail
APR 11 1961
Cert. Mail
U.S.G.S.
WASHINGTON, D.C.


N
EXPLORATION CONTRACT NUMBER
14-23-093-2121
DOCKET NUMBER
NORTHERN MILLING COMPANY
MARIETTA MINE
SCALE 1" = 50'
4-5-1961
108'
3-8-1961
52'
2-8-1961
M-9
(Number in Circles indicate Assay Sample Number)
12-30-1960
FRONT LINE
M-6
M-5
10200
9800

RECEIVED

APR 1 3 1961

OFFICE OF THE SECRETARY
FISCAL SECTION

MME FORM 60
SEPT. 1959

RECEIVED
Cert. Mail
MAR 27 1961
R.R.
U.S.
DOI

Sch. 1376

# UNITED STATES
# DEPARTMENT OF THE INTERIOR
## OFFICE OF MINERALS EXPLORATION

Docket No. 6082
Contract No.
14-23-090- 2121
Contract Amount $102,300.00
Gov't. Participation % 50% $51,150.00
Mineral(s) Lead and Zinc

## OPERATOR'S MONTHLY VOUCHER

For Month of February, 1961

Operator's Name NORTHERN MILLING COMPANY
Address P. O. Box 361, Townsend, Montana

| COST CATEGORIES | FOR OPERATOR'S USE | | | FOR GOVERNMENT APPROVAL ONLY | | |
|---|---|---|---|---|---|---|
| | MONTHLY TOTAL | PREVIOUSLY REPORTED | TOTALS TO DATE | MONTHLY TOTAL | PREVIOUSLY REPORTED | TOTALS TO DATE |
| Fixed Unit Costs and | | | | | | |
| (1) Independent Contracts: | | | | | | |
| Bulldozing | | | | | | |
| Drifting | | | | | | |
| Crosscutting | $1,924.00 | $6,290.00 | $8,214.00 | 1924.00 | 6,290.00 | 8,214.00 |
| Drilling | | | | | | |
| (2) Personal Services: | | | | | | |
| Supervision & Technical | | | | | | |
| Outside Consultants | | | | | | |
| Labor | | | | | | |
| (3) Operating Mat'l. & Supplies: | | | | | | |
| Timber | | | | | | |
| Explosives | | | | | | |
| Pipe | | | | | | |
| Rail | | | | | | |
| (4) Operating Equipment: | | | | | | |
| Rental | | | | | | |
| Purchase | | | | | | |
| Depreciation | | | | | | |
| (5) Initial Rehab. & Repairs: | | | | | | |
| Buildings, Fixtures, etc. | | | | | | |
| Operating Equipment | | | | | | |
| (6) New Buildings, Fixtures, etc. | | | | | | |
| (7) Miscellaneous: | | | | | | |
| Repairs to Equipment | | | | | | |
| Analytical Work | | (Jan)$14.00 | 14.00 | | 14.00 | 14.00 |
| Payroll Taxes | | | | | | |
| Employee's Liability Ins. | | | | | | |
| TOTALS | | | $8,228.00 | 1924.00 | 6304.00 | 8,228.00 |

EXTRA COPY
O. M. E
RECEIVED APR 5 1961

| DATE | INITIALS | CODE |
|---|---|---|
| 4/5 | [illegible] | 110 |
| | | 120 |
| 4/6 Murphy | | 500 |

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

Date March 23, 1961 Payee Northern Milling Company
Per [signature] Consulting Engineer
Per [signature] Title President

* Where 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.

A willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction is a criminal offense. (U.S. Code, Title 18, Sec. 1001.)

(INSTRUCTIONS ON REVERSE)

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

$ 962.00

Signature [signature]
(Authorized Certifying Officer)

Date 4/4/61 Vou. No. 3927

(SEE OTHER SIDE)

Certification by Government Representative:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating an exploration project in accordance with the terms of Contract No. 2121

Signature Donald R. MacKaven Title Geologist Date 3/27/61

Approved by OME Executive Officer or Alternate:

Signature Donald R. MacKaven Title Acting Field Officer Region I Date 3/27/61

## OPERATOR'S MONTHLY REPORT

The Operator, under an Office of Minerals Exploration contract, is required to report monthly to the Government. The report consists of three parts.

FIRST, the Operator's Monthly Voucher on MME Form 60 listing the project costs incurred and claimed by the Operator is the voucher basis for payment of the Government's share of the cost.

SECOND, the Operator's Progress Report on MME Form 61 is a statistical report of the units and cost of of work performed under the contract.

THIRD, the Operator's Narrative Report is a concise description of the work performed, results accomplished, and any unusual situations encountered, illustrated and supported by engineering-geological maps or sketches, drill hole logs, assay reports, etc., as pertinent.

The Operator submits the original and four copies of each of the three sections of this report to the OME regional Executive Officer at the end of each month during the life of the contract.

## PREPARATION OF OPERATOR'S MONTHLY VOUCHER, MME FORM 60

After all applicable spaces are filled in, the Operator or his agent must sign the certification in the lower left corner. Categories (2) through (7) apply to "Actual Cost" contracts only.

Under "Fixed Unit Costs" and Category (1) report, (a) the total fixed unit costs of work performed under contract provisions for contribution by the Government on a basis of "fixed unit costs"; and (b) the claimed costs of work performed on a unit-price basis by independent contractors.

Under Category (2) include the claimed costs of all payrolled and invoiced supervisory, technical, and labor personnel, except the costs for services applicable to Categories (5) and (6).

Under Category (3) include the claimed costs of all project materials and supplies other than those used for work under Categories (5) and (6).

Under Category (4) report claimed rentals on equipment belonging to a third party, claimed payments or obligations for payments on the Operator's purchase of equipment, and claimed depreciation for the use of Operator-owned equipment.

Under Categories (5) and (6) include all claimed costs of labor, supervision, technical services, operating materials and supplies, and all other items used in (5) the initial rehabilitation and repairs of existing buildings, fixtures, installations (exclusive of mine workings), and operating equipment; and (6) the installation or construction of new buildings, fixtures, and fixed improvements (exclusive of mine workings). Do not report these costs under Categories (2), (3), (4), and (7).

Under Category (7) include all miscellaneous claimed costs such as repairs (other than initial) and maintenance of equipment, sampling and analysis, travel, communication, accounting, office expenses, and the Operator's share of payroll taxes and insurance.

Except for amounts claimed under "fixed unit costs" provisions of the contract, all costs claimed in this voucher must be supported by documentary evidence consisting of: (a) certified copies or transcripts of payrolls which list each employee, wage rate, period of employment, gross earnings, itemized deductions, and net earnings; (b) original or certified copies of invoices, statements of accounts, or purchase orders which indicate items of materials or services, quantities, unit prices, total charges, and payment terms; and (c) certified memoranda of the Operator for such items as depreciation of Operator-owned equipment, unemployment taxes, and employee's liability insurance. The certification may be stated thus, "Certified True Copy (or Transcript)", followed by the signature of the Operator or his agent. One copy of each document should accompany the original of this voucher.

The requirement for submitting documentary evidence of claimed costs may be waived by the OME regional Executive Officer if he determines that it is impracticable for an Operator to submit this material. In any case of waiver of this requirement an "on-site" audit by an OME auditor is mandatory prior to payment of the final Operator's Monthly Voucher.

MME FORM 61
SEPT. 1959

RECEIVED
cert Mail
MAR 27 1961
R R

# UNITED STATES
# DEPARTMENT OF THE INTERIOR
## OFFICE OF MINERALS EXPLORATION

## OPERATOR'S PROGRESS REPORT

For Month of ~~March~~ February 1961 Docket No. 6082

Operator's Name Northern Milling Company Contract No. 14-23-090-2121

| OPERATION | UNITS | FOR OPERATOR'S USE | | | FOR GOVERNMENT USE | | |
|---|---|---|---|---|---|---|---|
| | | UNITS THIS MONTH | UNITS TO DATE | COSTS TO DATE | APPROVED UNITS THIS MONTH | APPROVED UNITS TO DATE | APPROVED COSTS TO DATE |
| Drifting | | | | | | | |
| Crosscutting | 52 | 52 | 128 | $ 8,214.00 | 52 | 222 | 8,214.00 |
| Raising | | | | | | | |
| Shafts | | | | | | | |
| Winzes | | | | | | | |
| Other Underground | | | | | | | |
| Drilling, Core-Diamond | | | | | | | |
| Rotary | | | | | | | |
| Drilling, Non-core-Diamond | | | | | | | |
| Rotary | | | | | | | |
| Churn | | | | | | | |
| Percussion | | | | | | | |
| Miscellaneous | | | | | | | |
| | | | | | | | |
| Roads and Trails | | | | | | | |
| Stripping | | | | | | | |
| Trenching | | | | | | | |
| Test Pitting | | | | | | | |
| Other Surface Work | | | | | | | |
| Initial Rehabilitation and Repairs | | | | | | | |
| Rehabilitation of Mine Workings | | | | | | | |
| New Buildings, Fixtures, etc. | | | | | | | |
| Operating Equipment Purchases | | | | | | | |
| Analytical Work Jan. Assays | | | | 14.00 | | | 14.00 |
| TOTAL TO DATE *(per MME Form 60)* | | | | $8,228.00 | | | 8,228.00 |

REMARKS

*(Continue on back)*

REMARKS

*(Continue on back)*

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 March 23, 1961 Operator Northern Milling Company
Per W R Wade Consulting Engineer
Per Paul Rohr Title President

A willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction is a criminal offense. (U.S. Code, Title 18, Sec. 1001.)

I certify that the information above is complete and accurate to the best of my knowledge and belief.

Signature Donald R. MacBaren
Title Acting Field Office Region I
Government Representative
Date 3/27/61

(INSTRUCTIONS ON REVERSE)

REMARKS *(Cont.)*

REMARKS *(Cont.)*

## INSTRUCTIONS FOR PREPARING OPERATOR'S PROGRESS REPORT, MME FORM 61

This report is the second of the three parts of the Operator's Monthly Report. Submit the original and four copies.

The cost for each operation should be the total of all claimed costs attributable to that type of work with two exceptions, namely—operating equipment purchased and analytical work which are stated separately. For example, drifting costs should be the total of all costs chargeable to drifting including supervision, technical services, timbering (if any), etc. Similarly, drilling costs should include the cost of cementing, reaming, core boxes, etc. This procedure of distribution holds whether the contract was written on an actual cost or a unit cost basis, or some combination of the two. Distribute the cost of such general items as supervision, equipment rented, etc. according to relative footages or on some other conventional basis. The item "Initial Rehabilitation and Repairs" covers all rehabilitation and/or repairs other than the rehabilitation of mine workings.

The item titled "Drilling, Non-core Percussion" includes all drilling performed with wagon, jack-hammer, stoper and mounted drills. The several items labelled "Other" are provided to take care of particular exploration operations not specified on this form.

FOR MONTH OF February, 1961

Docket No. 6062

OPERATOR'S NARRATIVE REPORT
Northern Milling Company
P. O. Box 361, Townsend, Montana

Contract No. 2121
14-23-090

After a telephone conversation between Mr. MacLaren, Mr. W. R. Wade and Paul I. Raber, and verbal approval by Mr. MacLaren, it was decided to revise the strike of the Mason Tunnel drift to coincide with the strike of a vein crossing the drift. It was originally considered necessary to change the strike of the drift 20-25° to the left, but after further advance it was apparent that the deviation from the original plan would have to be 40° to the left in order to follow the vein.

We are at the present time drifting north 35° west which makes a turn to the left of approximately 40° from the original strike of the tunnel north 5° east.

The vein we are following is a very weak fracture, but it has given us something to break to.

Date March 23, 1961

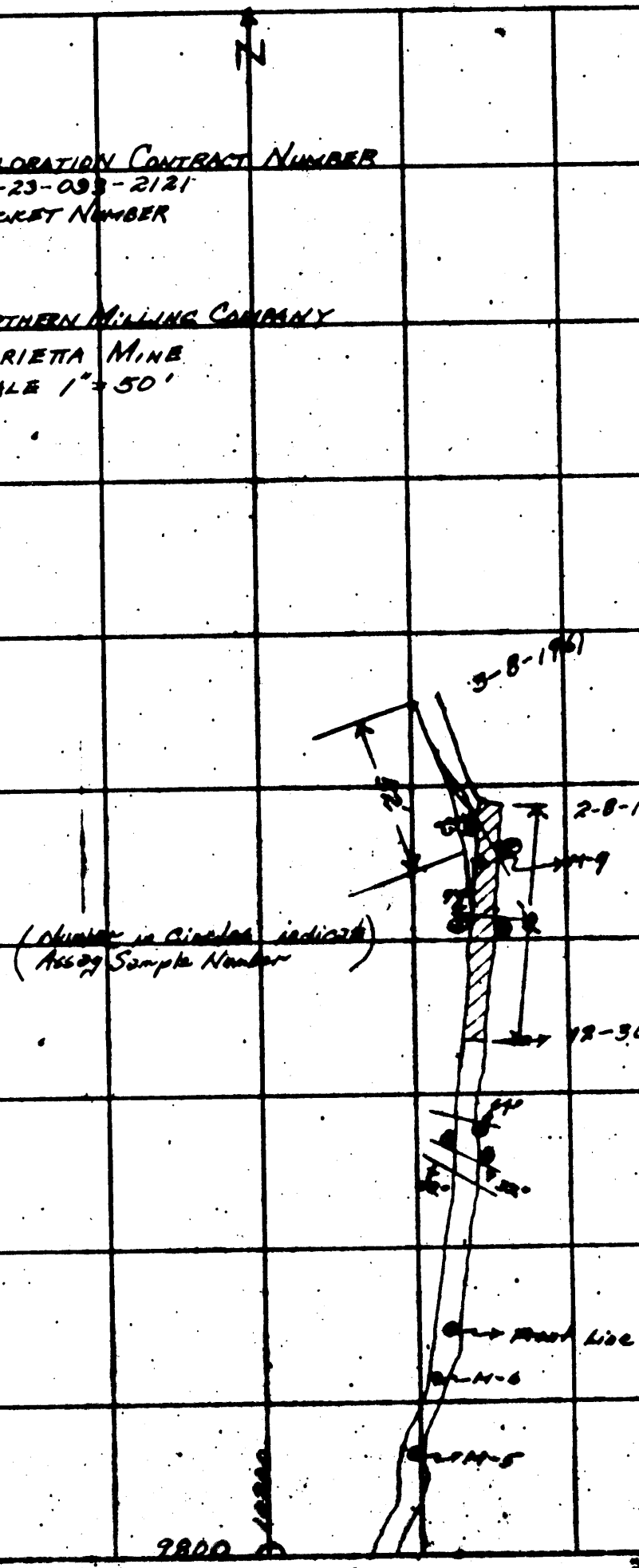
Per W R Wade — Consulting Engineer

Per Paul Raber — President

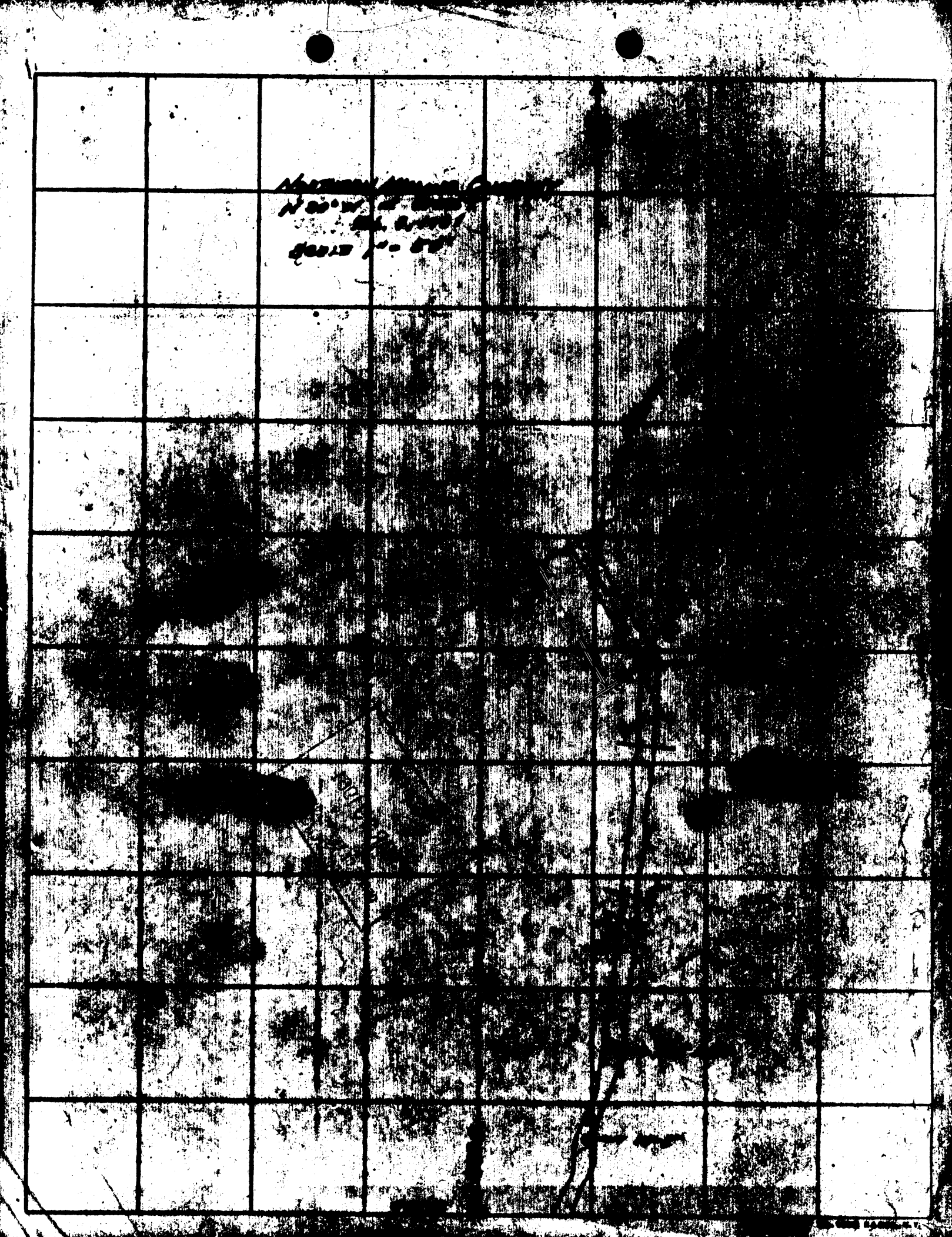
Payee Northern Milling Company

EXPLORATION CONTRACT NUMBER
14-23-093-2121
DOCKET NUMBER

NORTHERN MILLING COMPANY
MARIETTA MINE
SCALE 1" = 50'




(Number in circles indicate Assay Sample Number)



RECEIVED
MAR 29 1961
OFFICE OF THE SECRETARY
FISCAL SECTION

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION
So. 157 Howard Street
Spokane 4, Washington
January 17, 1961

OFFICIAL FILE COPY
O. M. E
RECEIVED JAN 19 1961

| DATE | INITIAL | |
|---|---|---|
| 1-19 | gad | 900 |
| " | [illegible] | 110 |
| 1/19 | [illegible] | 800 |
| 1/23 | Murphy | 500 |
| | | |
| | | |
| | | |

Air Mail

Memorandum

To: Chief, Division of Field Operations

From: Acting Field Officer, Region I

Subject: Transmittal of inspection reports

Enclosed are the original and two copies of the following interim inspection report:

| OME | | Date |
|---|---|---|
| 6082 | Northern Milling Co., Inc., Marietta mine, Broadwater County, Montana | 1/17/61 |

D R MacLaren
D. R. MacLaren

Enclosure - in trip.

cc: Director
Econ. Geol.
B&FM

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION
So. 157 Howard Street
Spokane 4, Washington
January 17, 1961

OFFICIAL FILE COPY
O. M. E
RECEIVED JAN 19 1961

| DATE | INITIALS | CO... |
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| 1-19 | gad | vvo |
| | | 110 |
| 1/19 | [illegible] | 800 |
| | | 500 |
| | | |
| | | |
| | | |

Memorandum

To: Chief, Division of Field Operations

From: Acting Field Officer, Region I

Subject: Interim inspection report, OME-6082 (Lead-Zinc), Northern Milling Company, Inc., Marietta Mine, Broadwater County, Montana, Contract No. 2121

The Marietta mine was visited January 10, 1961, and the project work was reviewed with Edward F. Wieglenda, Mine Superintendent. The last inspection was made November 16, 1960.

The crosscut has been advanced 98 feet to a total of 116 feet from the starting point. (See attached map.) Work has been somewhat slowed by ribs of very hard andesite that have been tough to drill and hard to break. However, at the present time the rate of advance is about 5 feet per shift.

Work was suspended during Christmas week and has been on a one-shift-per-day basis since early in December. The company has been financed by assessment of a small group of share owners but is presently seeking authorization to raise money by selling stock. When this change in financing policy becomes effective, it is planned to add a second and possibly a third shift.

Mining above the No. 5 level has been discontinued and the mill is shut down.

D. R. MacLaren

D. R. MacLaren

Enclosure
Distribution:
(OME)(3)
Docket
MacLaren

STANDARD FORM NO. 64

# *Office Memorandum* • UNITED STATES GOVERNMENT

EXTRA COPY

DATE 2/28/61

RECEIVED MAR 2 1961

| DATE | | CODE |
|---|---|---|
| 3-2 | gad | 220 |
| " | | 110 |
| 3/3 | ~~Murphy~~ | 120 |
| | | 520 |

TO : Chief, Fiscal Section
Division of Administrative Services
Office of the Secretary

FROM : Donald R. MacLaren
Acting Field Officer, OME, Region I

SUBJECT: OME-6082 (Lead-Zinc)
Northern Milling Co., Inc.
Marietta Mine
Broadwater County, Montana
Contract 2121
Appropriation Symbol: OME 14x0108

Transmittal of Operator's Monthly Voucher and Progress Report (MME Forms 60 & 61) together with narrative for January 1961 and a copy of our letter to Paul Raber, president of the company.

Donald R. MacLaren

Sch 1200

MME FORM 60
SEPT. 1959

RECEIVED
air mail
FEB 20 1961
cert mail
U.S.G.S.
SPOKANE, WASH.

# UNITED STATES
# DEPARTMENT OF THE INTERIOR
## OFFICE OF MINERALS EXPLORATION

0082

Docket No.
Contract No. 2121
14-23-090 102,300.00
Contract Amount 50 51,150.00
Gov't. Participation Lead and Zinc
Mineral(s)

## OPERATOR'S MONTHLY VOUCHER

For Month of January 1961

Operator's Name NORTHERN MILLING COMPANY
Address P. O. Box 361, Townsend, Montana

| COST CATEGORIES | FOR OPERATOR'S USE: MONTHLY TOTAL | PREVIOUSLY REPORTED | TOTALS TO DATE | FOR GOVERNMENT APPROVAL ONLY: MONTHLY TOTAL | PREVIOUSLY REPORTED | TOTALS TO DATE |
|---|---|---|---|---|---|---|
| Fixed Unit Costs and | | | | | | |
| (1) Independent Contracts: | | | | | | |
| Bulldozing | | | | | | |
| Drifting | $2,612.00 | 3,478.00 | $6,200.00 | | | |
| Crosscutting | | | | | | |
| Drilling | | | | | | |
| (2) Personal Services: | | | | | | |
| Supervision & Technical | | | | | | |
| Outside Consultants | | | | | | |
| Labor | | | | | | |
| (3) Operating Mat'l. & Supplies: | | | | | | |
| Timber | | | | | | |
| Explosives | | | | | | |
| Pipe | | | | | | |
| Rail | | | | | | |
| (4) Operating Equipment: | | | | | | |
| Rental | | | | | | |
| Purchase | | | | | | |
| Depreciation | | | | | | |
| (5) Initial Rehab. & Repairs: | | | | | | |
| Buildings, Fixtures, etc. | | | | | | |
| Operating Equipment | | | | | | |
| (6) New Buildings, Fixtures, etc. | | | | | | |
| (7) Miscellaneous: | | | | | | |
| Repairs to Equipment | | | | | | |
| Analytical Work Assays | 14.00 | None | 14.00 | | | |
| Payroll Taxes | | | | | | |
| Employee's Liability Ins. | | | | | | |
| TOTALS | $2,826.00 | $3,478.00 | $6,304.00 | 2826.00 | 3478.00 | 6,304.00 |

EXTRA COPY
O. M. F.
RECEIVED MAR 2 1961

| DATE | INITIALS | CODE |
|---|---|---|
| 3-2 | gad | 220 |
| | | 120 |
| | | 110 |
| | | 500 |

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

Date Feb. 15, 1961 Payee Northern Milling Company
Per M. R. Wade Consulting Engineer
Per Paul Rahler 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.

A willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction is a criminal offense. (U.S. Code, Title 18, Sec. 1001.)

(INSTRUCTIONS ON REVERSE)

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

$ 1413.00

Signature Paul Rahler
(Authorized Certifying Officer)

Date 3/1/61 Vou. No. 3500

(SEE OTHER SIDE)

Original signed by Mc Lacey
Oa

Certification by Government Representative:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating an exploration project in accordance with the terms of Contract No. _____

Signature _____ Title _____ Date _____

Approved by OME Executive Officer or Alternate:

Signature _____ Title _____ Date _____

## OPERATOR'S MONTHLY REPORT

The Operator, under an Office of Minerals Exploration contract, is required to report monthly to the Government. The report consists of three parts.

FIRST, the Operator's Monthly Voucher on MME Form 60 listing the project costs incurred and claimed by the Operator is the voucher basis for payment of the Government's share of the cost.

SECOND, the Operator's Progress Report on MME Form 61 is a statistical report of the units and cost of of work performed under the contract.

THIRD, the Operator's Narrative Report is a concise description of the work performed, results accomplished, and any unusual situations encountered, illustrated and supported by engineering-geological maps or sketches, drill hole logs, assay reports, etc., as pertinent.

The Operator submits the original and four copies of each of the three sections of this report to the OME regional Executive Officer at the end of each month during the life of the contract.

## PREPARATION OF OPERATOR'S MONTHLY VOUCHER, MME FORM 60

After all applicable spaces are filled in, the Operator or his agent must sign the certification in the lower left corner. Categories (2) through (7) apply to "Actual Cost" contracts only.

Under "Fixed Unit Costs" and Category (1) report, (a) the total fixed unit costs of work performed under contract provisions for contribution by the Government on a basis of "fixed unit costs"; and (b) the claimed costs of work performed on a unit-price basis by independent contractors.

Under Category (2) include the claimed costs of all payrolled and invoiced supervisory, technical, and labor personnel, except the costs for services applicable to Categories (5) and (6).

Under Category (3) include the claimed costs of all project materials and supplies other than those used for work under Categories (5) and (6).

Under Category (4) report claimed rentals on equipment belonging to a third party, claimed payments or obligations for payments on the Operator's purchase of equipment, and claimed depreciation for the use of Operator-owned equipment.

Under Categories (5) and (6) include all claimed costs of labor, supervision, technical services, operating materials and supplies, and all other items used in (5) the initial rehabilitation and repairs of existing buildings, fixtures, installations (exclusive of mine workings), and operating equipment; and (6) the installation or construction of new buildings, fixtures, and fixed improvements (exclusive of mine workings). Do not report these costs under Categories (2), (3), (4), and (7).

Under Category (7) include all miscellaneous claimed costs such as repairs (other than initial) and maintenance of equipment, sampling and analysis, travel, communication, accounting, office expenses, and the Operator's share of payroll taxes and insurance.

Except for amounts claimed under "fixed unit costs" provisions of the contract, all costs claimed in this voucher must be supported by documentary evidence consisting of: (a) certified copies or transcripts of payrolls which list each employee, wage rate, period of employment, gross earnings, itemized deductions, and net earnings; (b) original or certified copies of invoices, statements of accounts, or purchase orders which indicate items of materials or services, quantities, unit prices, total charges, and payment terms; and (c) certified memoranda of the Operator for such items as depreciation of Operator-owned equipment, unemployment taxes, and employee's liability insurance. The certification may be stated thus, "Certified True Copy (or Transcript)", followed by the signature of the Operator or his agent. One copy of each document should accompany the original of this voucher.

The requirement for submitting documentary evidence of claimed costs may be waived by the OME regional Executive Officer if he determines that it is impracticable for an Operator to submit this material. In any case of waiver of this requirement an "on-site" audit by an OME auditor is mandatory prior to payment of the final Operator's Monthly Voucher.

MME FORM 61
SEPT. 1959

RECEIVED
FEB 20 1961
U.S. BUREAU OF MINES
SPOKANE, WASH.

# UNITED STATES
# DEPARTMENT OF THE INTERIOR
## OFFICE OF MINERALS EXPLORATION

**OPERATOR'S PROGRESS REPORT** For Month of January 1961 Docket No. 6082

Operator's Name NORTHERN MILLING COMPANY Contract No. 14-23-090-2121

| OPERATION | UNITS | FOR OPERATOR'S USE: UNITS THIS MONTH | UNITS TO DATE | COSTS TO DATE | FOR GOVERNMENT USE: APPROVED UNITS THIS MONTH | APPROVED UNITS TO DATE | APPROVED COSTS TO DATE |
|---|---|---|---|---|---|---|---|
| Drifting | | | | | | | |
| Crosscutting | 76 | 76 | 170 | $6,290.00 | | | |
| Raising | | | | | | | |
| Shafts | | | | | | | |
| Winzes | | | | | | | |
| Other Underground | | | | | | | |
| Drilling, Core-Diamond | | | | | | | |
| Rotary | | | | | | | |
| Drilling, Non-core-Diamond | | | | | | | |
| Rotary | | | | | | | |
| Churn | | | | | | | |
| Percussion | | | | | | | |
| Miscellaneous | | | | | | | |
| | | | | | | | |
| Roads and Trails | | | | | | | |
| Stripping | | | | | | | |
| Trenching | | | | | | | |
| Test Pitting | | | | | | | |
| Other Surface Work | | | | | | | |
| Initial Rehabilitation and Repairs | | | | | | | |
| Rehabilitation of Mine Workings | | | | | | | |
| New Buildings, Fixtures, etc. | | | | | | | |
| Operating Equipment Purchases | | | | | | | |
| Analytical Work Assays | | | 14 | 14.00 | | | |
| TOTAL TO DATE *(per MME Form 60)* | | | | $6,304.00 | | | |

REMARKS

*(Continue on back)*

REMARKS

*(Continue on back)*

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 Feb. 15, 1961 Operator Northern Milling Company

Per W. R. Wade Consulting Engineer

Per Paul Roher Title President

A willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction is a criminal offense. (U.S. Code, Title 18, Sec. 1001.)

I certify that the information above is complete and accurate to the best of my knowledge and belief.

Signature

Title
Government Representative

Date

(INSTRUCTIONS ON REVERSE)

REMARKS *(Cont.)*

REMARKS *(Cont.)*

## INSTRUCTIONS FOR PREPARING OPERATOR'S PROGRESS REPORT, MME FORM 61

This report is the second of the three parts of the Operator's Monthly Report. Submit the original and four copies.

The cost for each operation should be the total of all claimed costs attributable to that type of work with two exceptions, namely—operating equipment purchased and analytical work which are stated separately. For example, drifting costs should be the total of all costs chargeable to drifting including supervision, technical services, timbering (if any), etc. Similarly, drilling costs should include the cost of cementing, reaming, core boxes, etc. This procedure of distribution holds whether the contract was written on an actual cost or a unit cost basis, or some combination of the two. Distribute the cost of such general items as supervision, equipment rented, etc. according to relative footages or on some other conventional basis. The item "Initial Rehabilitation and Repairs" covers all rehabilitation and/or repairs other than the rehabilitation of mine workings.

The item titled "Drilling, Non-core Percussion" includes all drilling performed with wagon, jack-hammer, stoper and mounted drills. The several items labelled "Other" are provided to take care of particular exploration operations not specified on this form.

FOR MONTH OF January, 1961

OPERATOR'S NARRATIVE REPORT
Northern Milling Company
P. O. Box 361, Townsend, Montana

Docket No. 6082

Contract No.
14-23-090 2121

The ground is breaking more easily because of shorter fractures in the rock, and we would have made a greater advance this month except for compressor trouble which delayed drilling for approximately one week. The compressor has been repaired.

During the time that the compressor was down our men were making repairs and doing maintenance work on the equipment and the haulage way.

We expect to make a better footage showing this coming month.

Date February 15, 1961

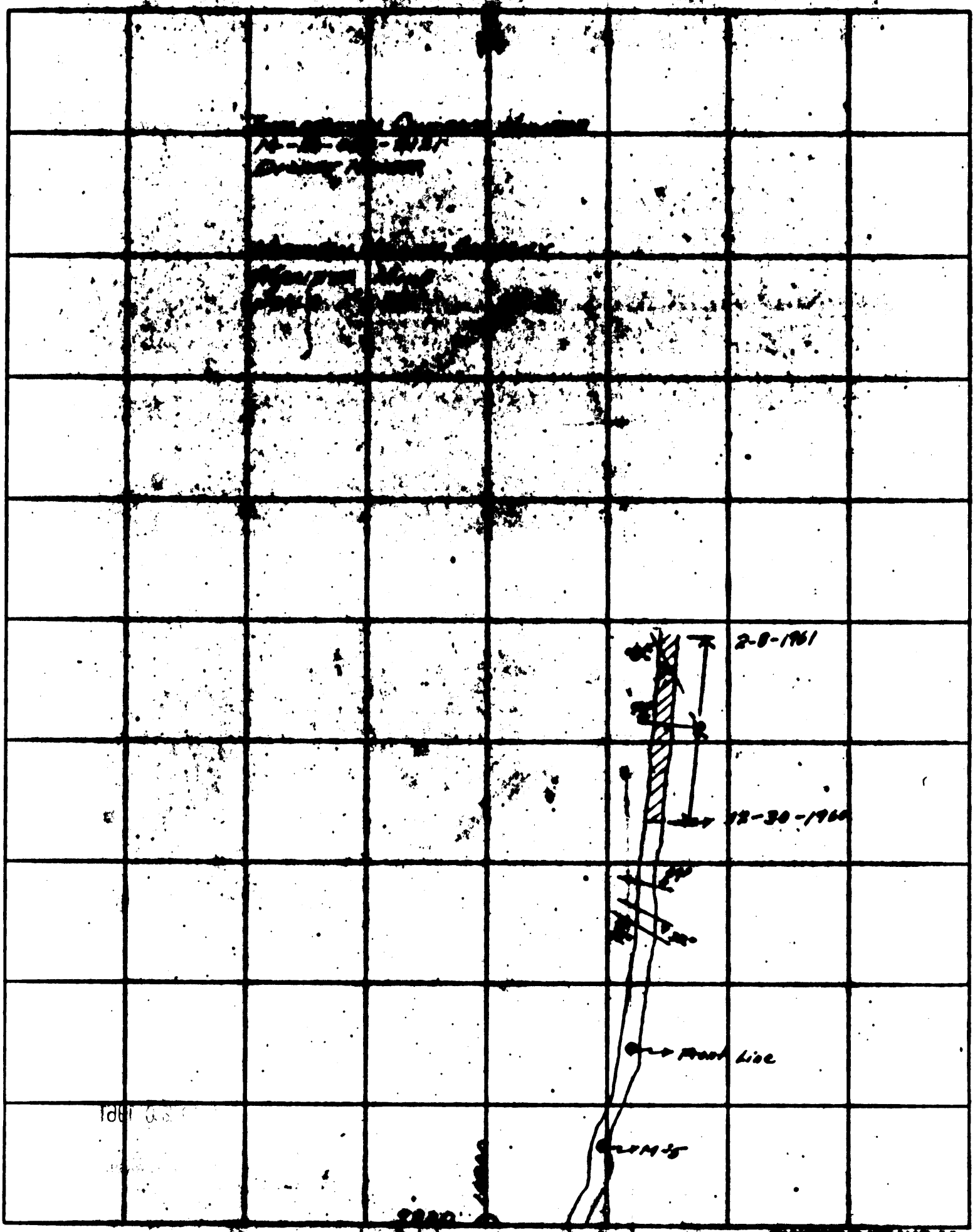
Per W. R. Wade

Per Paul Baker

Payee Northern Milling Company

Consulting Engineer

President


2-8-1961
12-30-1960
Road Line

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FEB 20 1961
U. S. G. S.
SPOKANE, WASH.

DATE [illegible] 1941 ASSAYED BY [illegible]

| No. | Wt. | Inq. | DESCRIPTION | Scale Wt. Net Gr. | Oz / Ton Gold | Oz / Ton Silver |
|---|---|---|---|---|---|---|
| 1 | .5 AT | 4 mg | Mason Tunnel : @ 55' From Measure Point | .57 | .03 | .54 |
| 2 | " | " | " : @ 59' " | .59 | .02 | .57 |
| 3 | " | " | " : @ 70.5' " | .77 | .03 | .74 |
| 4 | " | " | " : @ 137.0 " | 1.04 | .04 | 1.00 |
| 5 | " | " | " : @ 137.0 " | .76 | .02 | .74 |

SCHAWE, WASH.
U.S.A.
FEB 20 1941

RECEIVED
Via Air Mail
FEB 20 1961
Cert. Mail
U. S. G. S.
SPOKANE, WASH.

DATE Feb 10, 1961 ASSAYED BY J. Lee

| No. | Wt. | Inq. | DESCRIPTION | Scale Wt. Net Gr. | Oz / Ton Gold | Oz / Ton Silver |
|---|---|---|---|---|---|---|
| 1 | 5 AT | Hung | Mosco Tunnel : @ 161' Right Wall { Quartzed Andesite with Some Qtz & Siderite | .98 | .03 | .95 |
| 2 | " | " | " : @ 161' Left Wall | 1.07 | .05 | 1.02 |

RECEIVED
Via Air Mail
FEB 20 1961
Cert. Mail
U. S. G. S.
SPOKANE, WASH.

Sch 914

MME FORM 60
SEPT. 1959

RECEIVED
air mail
JAN 9 1961
Cert. Mail E.R.R.
SPOKANE, WASH.

# UNITED STATES
# DEPARTMENT OF THE INTERIOR
## OFFICE OF MINERALS EXPLORATION

Docket No. 6082
Contract No. 14-23-090-2121
Contract Amount $102,300.00
Gov't. Participation %50 $51,150.00
Mineral(s) Lead and Zinc

## OPERATOR'S MONTHLY VOUCHER

For Month of December, 1960

Operator's Name NORTHERN MILLING COMPANY, INC.
Address P. O. Box 361, Townsend, Montana

| COST CATEGORIES | FOR OPERATOR'S USE: MONTHLY TOTAL | PREVIOUSLY REPORTED | TOTALS TO DATE | FOR GOVERNMENT APPROVAL ONLY: MONTHLY TOTAL | PREVIOUSLY REPORTED | TOTALS TO DATE |
|---|---|---|---|---|---|---|
| Fixed Unit Costs and | | | | | | |
| (1) Independent Contracts: | | | | | | |
| Bulldozing | | | | | | |
| Drifting | | | | | | |
| Crosscutting | $3,478.00 | None | $3,478.00 | | | |
| Drilling | | | | | | |
| (2) Personal Services: | | | | | | |
| Supervision & Technical | | | | | | |
| Outside Consultants | | | | | | |
| Labor | | | | | | |
| (3) Operating Mat'l. & Supplies: | | | | | | |
| Timber | | | | | | |
| Explosives | | | | | | |
| Pipe | | | | | | |
| Rail | | | | | | |
| (4) Operating Equipment: | | | | | | |
| Rental | | | | | | |
| Purchase | | | | | | |
| Depreciation | | | | | | |
| (5) Initial Rehab. & Repairs: | | | | | | |
| Buildings, Fixtures, etc. | | | | | | |
| Operating Equipment | | | | | | |
| (6) New Buildings, Fixtures, etc. | | | | | | |
| (7) Miscellaneous: | | | | | | |
| Repairs to Equipment | | | | | | |
| Analytical Work | | | | | | |
| Payroll Taxes | | | | | | |
| Employee's Liability Ins. | | | | | | |
| TOTALS | $3,478.00 | None | $3,478.00 | | | |

EXTRA COPY
O. M. E
RECEIVED JAN 18 1961

| DATE | | | CODE |
|---|---|---|---|
| 1/17 | | 250 | 110 |
| 1/19 | Payroll | | 110 |
| | | | 500 |

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

Date Jan. 3, 1961 *Payee Northern Milling Company, Inc.
Per W. R. Wade Consulting Engineer
Per Paul Raber 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.

A willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction is a criminal offense. (U.S. Code, Title 18, Sec. 1001.)

(INSTRUCTIONS ON REVERSE)

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

$ 1739.00

Signature _____ (Authorized Certifying Officer)

Date 1/18/61 Vou. No. 2897

(SEE OTHER SIDE)

Certification by Government Representative:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating an exploration project in accordance with the terms of Contract No. _____

Signature _____ Title _____ Date _____

Approved by OME Executive Officer or Alternate:

Signature _____ Title _____ Date _____

## OPERATOR'S MONTHLY REPORT

The Operator, under an Office of Minerals Exploration contract, is required to report monthly to the Government. The report consists of three parts.

FIRST, the Operator's Monthly Voucher on MME Form 60 listing the project costs incurred and claimed by the Operator is the voucher basis for payment of the Government's share of the cost.

SECOND, the Operator's Progress Report on MME Form 61 is a statistical report of the units and cost of of work performed under the contract.

THIRD, the Operator's Narrative Report is a concise description of the work performed, results accomplished, and any unusual situations encountered, illustrated and supported by engineering-geological maps or sketches, drill hole logs, assay reports, etc., as pertinent.

The Operator submits the original and four copies of each of the three sections of this report to the OME regional Executive Officer at the end of each month during the life of the contract.

## PREPARATION OF OPERATOR'S MONTHLY VOUCHER, MME FORM 60

After all applicable spaces are filled in, the Operator or his agent must sign the certification in the lower left corner. Categories (2) through (7) apply to "Actual Cost" contracts only.

Under "Fixed Unit Costs" and Category (1) report, (a) the total fixed unit costs of work performed under contract provisions for contribution by the Government on a basis of "fixed unit costs"; and (b) the claimed costs of work performed on a unit-price basis by independent contractors.

Under Category (2) include the claimed costs of all payrolled and invoiced supervisory, technical, and labor personnel, except the costs for services applicable to Categories (5) and (6).

Under Category (3) include the claimed costs of all project materials and supplies other than those used for work under Categories (5) and (6).

Under Category (4) report claimed rentals on equipment belonging to a third party, claimed payments or obligations for payments on the Operator's purchase of equipment, and claimed depreciation for the use of Operator-owned equipment.

Under Categories (5) and (6) include all claimed costs of labor, supervision, technical services, operating materials and supplies, and all other items used in (5) the initial rehabilitation and repairs of existing buildings, fixtures, installations (exclusive of mine workings), and operating equipment; and (6) the installation or construction of new buildings, fixtures, and fixed improvements (exclusive of mine workings). Do not report these costs under Categories (2), (3), (4), and (7).

Under Category (7) include all miscellaneous claimed costs such as repairs (other than initial) and maintenance of equipment, sampling and analysis, travel, communication, accounting, office expenses, and the Operator's share of payroll taxes and insurance.

Except for amounts claimed under "fixed unit costs" provisions of the contract, all costs claimed in this voucher must be supported by documentary evidence consisting of: (a) certified copies or transcripts of payrolls which list each employee, wage rate, period of employment, gross earnings, itemized deductions, and net earnings; (b) original or certified copies of invoices, statements of accounts, or purchase orders which indicate items of materials or services, quantities, unit prices, total charges, and payment terms; and (c) certified memoranda of the Operator for such items as depreciation of Operator-owned equipment, unemployment taxes, and employee's liability insurance. The certification may be stated thus, "Certified True Copy (or Transcript)", followed by the signature of the Operator or his agent. One copy of each document should accompany the original of this voucher.

The requirement for submitting documentary evidence of claimed costs may be waived by the OME regional Executive Officer if he determines that it is impracticable for an Operator to submit this material. In any case of waiver of this requirement an "on-site" audit by an OME auditor is mandatory prior to payment of the final Operator's Monthly Voucher.

INT.DUP.,D.C.59- 61579

MME FORM 61
SEPT. 1959

RECEIVED
air mail
JAN 9 1961
first mail
SPOKANE, WASH.

# UNITED STATES
# DEPARTMENT OF THE INTERIOR
## OFFICE OF MINERALS EXPLORATION

OPERATOR'S PROGRESS REPORT For Month of December, 1960 Docket No. 6082

Operator's Name NORTHERN MILLING COMPANY, INC. Contract No. 14-23-090- 2121

| OPERATION | UNITS | FOR OPERATOR'S USE | | | FOR GOVERNMENT USE | | |
|---|---|---|---|---|---|---|---|
| | | UNITS THIS MONTH | UNITS TO DATE | COSTS TO DATE | APPROVED UNITS THIS MONTH | APPROVED UNITS TO DATE | APPROVED COSTS TO DATE |
| Drifting | | | | | | | |
| Crosscutting | 94 | 94 | 94 | $3,478.00 | | | |
| Raising | | | | | | | |
| Shafts | | | | | | | |
| Winzes | | | | | | | |
| Other Underground | | | | | | | |
| Drilling, Core-Diamond | | | | | | | |
| Rotary | | | | | | | |
| Drilling, Non-core-Diamond | | | | | | | |
| Rotary | | | | | | | |
| Churn | | | | | | | |
| Percussion | | | | | | | |
| Miscellaneous | | | | | | | |
| | | | | | | | |
| Roads and Trails | | | | | | | |
| Stripping | | | | | | | |
| Trenching | | | | | | | |
| Test Pitting | | | | | | | |
| Other Surface Work | | | | | | | |
| Initial Rehabilitation and Repairs | | | | | | | |
| Rehabilitation of Mine Workings | | | | | | | |
| New Buildings, Fixtures, etc. | | | | | | | |
| Operating Equipment Purchases | | | | | | | |
| Analytical Work | | | | | | | |
| TOTAL TO DATE *(per MME Form 60)* | | | | $3,478.00 | | | |

REMARKS

*(Continue on back)*

REMARKS

*(Continue on back)*

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 Jan. 3, 1961 Operator Northern Milling Co., Inc.

Per W. R. Wade Consulting Engineer

Per Paul Roher Title President

A willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction is a criminal offense. (U.S. Code, Title 18, Sec. 1001.)

I certify that the information above is complete and accurate to the best of my knowledge and belief.

Signature

Title
Government Representative

Date

(INSTRUCTIONS ON REVERSE)

REMARKS *(Cont.)*

REMARKS *(Cont.)*

## INSTRUCTIONS FOR PREPARING OPERATOR'S PROGRESS REPORT, MME FORM 61

This report is the second of the three parts of the Operator's Monthly Report. Submit the original and four copies.

The cost for each operation should be the total of all claimed costs attributable to that type of work with two exceptions, namely—operating equipment purchased and analytical work which are stated separately. For example, drifting costs should be the total of all costs chargeable to drifting including supervision, technical services, timbering (if any), etc. Similarly, drilling costs should include the cost of cementing, reaming, core boxes, etc. This procedure of distribution holds whether the contract was written on an actual cost or a unit cost basis, or some combination of the two. Distribute the cost of such general items as supervision, equipment rented, etc. according to relative footages or on some other conventional basis. The item "Initial Rehabilitation and Repairs" covers all rehabilitation and/or repairs other than the rehabilitation of mine workings.

The item titled "Drilling, Non-core Percussion" includes all drilling performed with wagon, jack-hammer, stoper and mounted drills. The several items labelled "Other" are provided to take care of particular exploration operations not specified on this form.

INT.DUP.,D.C.59- 61577

FOR MONTH OF December, 1960

Docket No. 6082
Contract No. 14-23-090 2121

OPERATOR'S NARRATIVE REPORT
Northern Milling Company, Inc.
P. O. Box 361, Townsend, Montana

We started cleaning out the Mason Tunnel on July 5th, 1960. There were parts of the tunnel that had about four feet (4') of mud in it, and there were some caves which necessitated cleaning up and re-timbering. We had to install approximately seventeen hundred feet (1700') of track and ties using twenty-four pound (24) rails; also, we extended the rail out on the dump approximately two-hundred feet (200').

We widened the tunnel and installed double track approximately sixty (60') feet back from the starting face in order to have room to store cars to make up the muck trains.

We installed a four inch (4") air main for a thousand feet and then reduced the size to three inches (3"), and then carried temporary two inch (2") pipe to the face. We installed a four thousand (4000) cubic foot per minute capacity ventillating fan; #2 Triplex Wire was used to supply the fan with power. We built a compressor house at the mouth of the tunnel in which we installed a 365 cu. ft. displacement compressor driven by a 100 HP 3-phase electric motor.

We also constructed a two-thousand (2000') power line from the main transformer to the compressor house at the portal of the Mason Tunnel. This preliminary work is not included in our contract, but we give an account of it to show the necessary work which we had to perform before we could start on Contract Docket No.6082.

## PERFORMANCE UNDER CONTRACT

We started on the actual advance on the contract on approximately November 1st, 1960. For awhile the going was no worse than we had expected, but then we encountered a considerable amount of water which made it difficult to keep the dynamite in the drill holes, and the rock became extremely dense and hard and shortbreaking. This extremely hard rock extended for approximately a distance of fifty feet (50'), and then it became a little softer. It was necessary to use up to thirty-two (32) holes in the face with a six-hole burn; using nearly one-hundred pounds (100 lbs.) of powder to the round we were lucky to get a two-foot (2') advance. We would get approximately one-hundred-sixty feet (160') of hole on one (1) carbide bit instead of four to five-hundred feet (400-500') which we considered normal. With two (2) jack-legs drilling it would take up to six and one-half (6½) hours to drill a six foot (6') round.

Docket No. 6082
Contract No. 14-23-090 2121
Operator's Narrative Report

After experiencing a considerable amount of trouble with water in the holes and losing a hole from time to time because of the interference of the water with the cap and fuse detonation, we changed to electric cap detonation. This change has improved our footage somewhat.

We recently talked to a man who helped drive the original Mason Tunnel in 1906 and he reported that they were forced to discontinue drifting because they couldn't break the rock. We have called in the experts from the Powder Company in order to obtain any information that would improve our footage.

Date January 3, 1961 Payee Northern Milling Company, Inc.
Per W R Wade Consulting Engineer
Per Paul Rohler President

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JAN 6 1961
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RECEIVED
JAN 1 6 1961
OFFICE OF THE SECRETARY
FISH & WILDLIFE

RECEIVED
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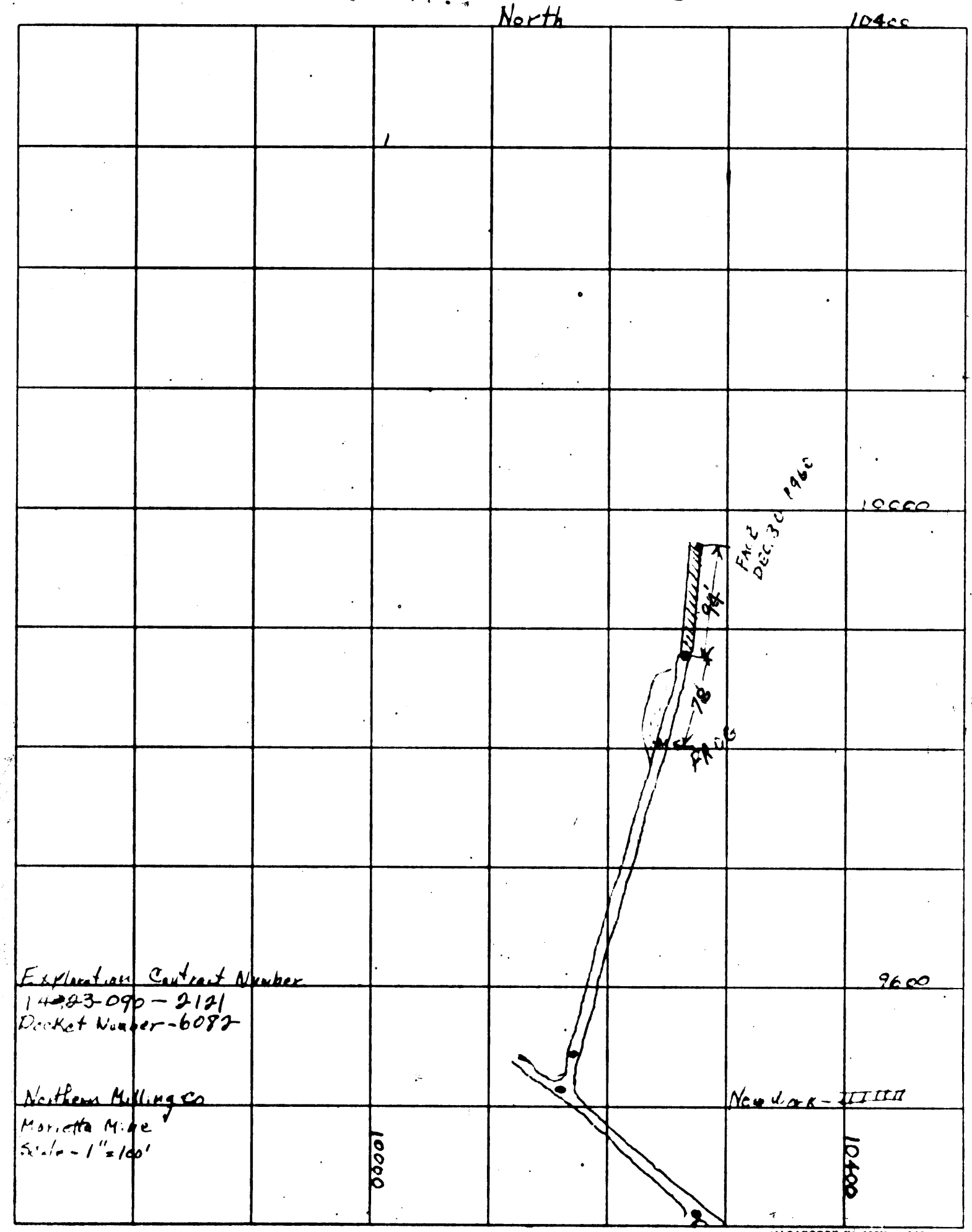
JAN 9 1961
cert mail - R.R.R.
U.S.G.S.
SPOKANE, WASH.




Exploration Contract Number
14-83-090-2121
Docket Number-6082

Northern Mining Co
Marietta Mine
Scale - 1" = 100'

"ALPHAGRAF" NO. 1000 K&E CO., N.Y.

RECEIVED
JAN 16 1961
OFFICE OF THE SECRETARY
P.S.C.R. [illegible]

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air mail
JAN 9 1961
cert mail - R.R.R.
U.S.G.S.
SPOKANE, WASH.

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION
So. 157 Howard Street
Spokane 4, Washington
November 23, 1960

OFFICIAL FILE COPY
O. M. E
RECEIVED NOV 28 1960

| DATE | INITIALS | CODE |
|---|---|---|
| 11-28 | gad | 220 |
| " | [illegible] | 110 |
| 11/28 | [illegible] | 800 |
| " | Murphy | 500 |
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| | | |

Air Mail

Memorandum

To: Chief, Division of Field Operations, OME

From: Acting Field Officer, Region I

Subject: Transmittal of inspection reports

Enclosed are the original and two copies of the following interim inspection reports:

| OME | | Date |
|---|---|---|
| 6082 | Northern Milling Co., Inc., Marietta mine, Broadwater County, Montana | 11/23/60 |
| DMEA | | |
| 4588 | John Zupan, Dr. Kalloch mine, Judith Basin County, Montana | 11/22/60 |

D R MacLaren
D. R. MacLaren

Enclosures - in trip.

cc: Director
Econ. Geol.
E&FM

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION
So. 157 Howard Street
Spokane 4, Washington
November 23, 1960

OFFICIAL FILE COPY
O. M. E
RECEIVED NOV 28 1960

| DATE | INITIALS | CODE |
|---|---|---|
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| | | |
| | | |
| | | |

Memorandum

To: Chief, Division of Field Operations

From: Acting Field Officer, Region I

Subject: Interim inspection report, OME-6082 (Lead-Zinc), Northern Milling Company, Inc., Marietta Mine, Broadwater County, Montana, Contract 2121.

Edward F. Wieglenda, mine superintendent of the subject property, was met in Townsend the evening of November 15, 1960. He stated that widening of the Mason Tunnel and other work preparatory to the actual advancing of the crosscut began October 21, and cross-cutting was started November 9. The widening was done by one shift per day, but as soon as the crosscut was started, work was on a two-shift basis; a third shift will be put on in about 2 weeks. The ground has proven to be exceptionally tough to break; the first four shifts made a total advance of only 6 feet. The total advance as of the morning of the 15th was 18 feet.

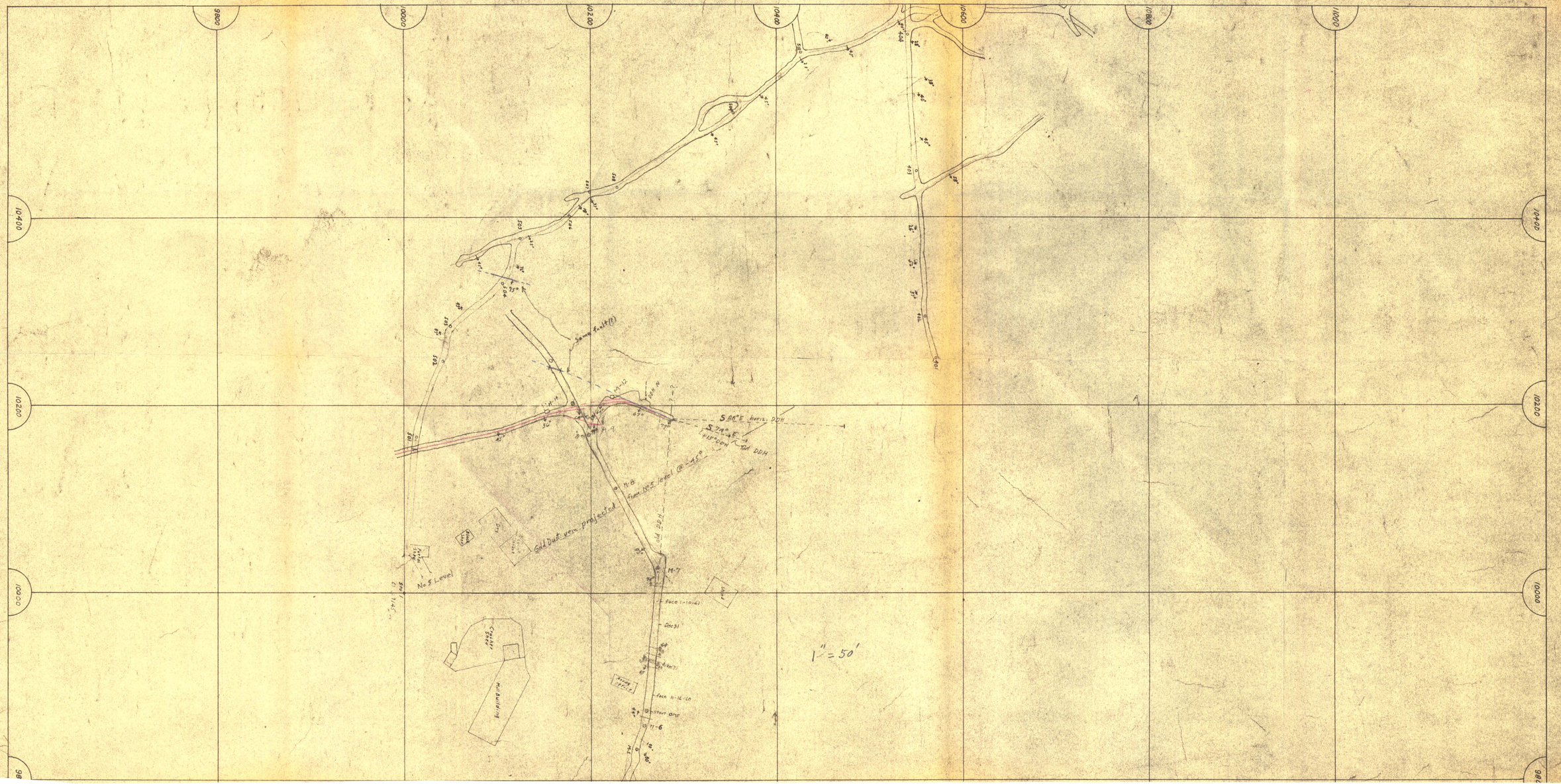
Paul Raber, General Manager, had some questions regarding preparation of the voucher form so the mine was visited November 16. Some additional information regarding the breaking difficulties was gained at that time. The time required to drill a 24-28-hole round has been about $6\frac{1}{2}$ hours. Powder used was Trojan EX SLD, equivalent to about 40 percent gelatin. A 32-hole round and the equivalent of about a 60 percent gelatin will be tried.

The beds dip rather flatly in the direction of the crosscut advance and this could contribute to the difficulty in breaking, particularly if the face is presently in a tougher bed.

D. R. MacLaren

D. R. MacLaren

Distribution:
OME(Orig.&2)
Docket
MacLaren


9800
10000
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Gold Dust vein projected
No. 5 Level
Building
Crusher Shed
M-7
M-6
1" = 50'

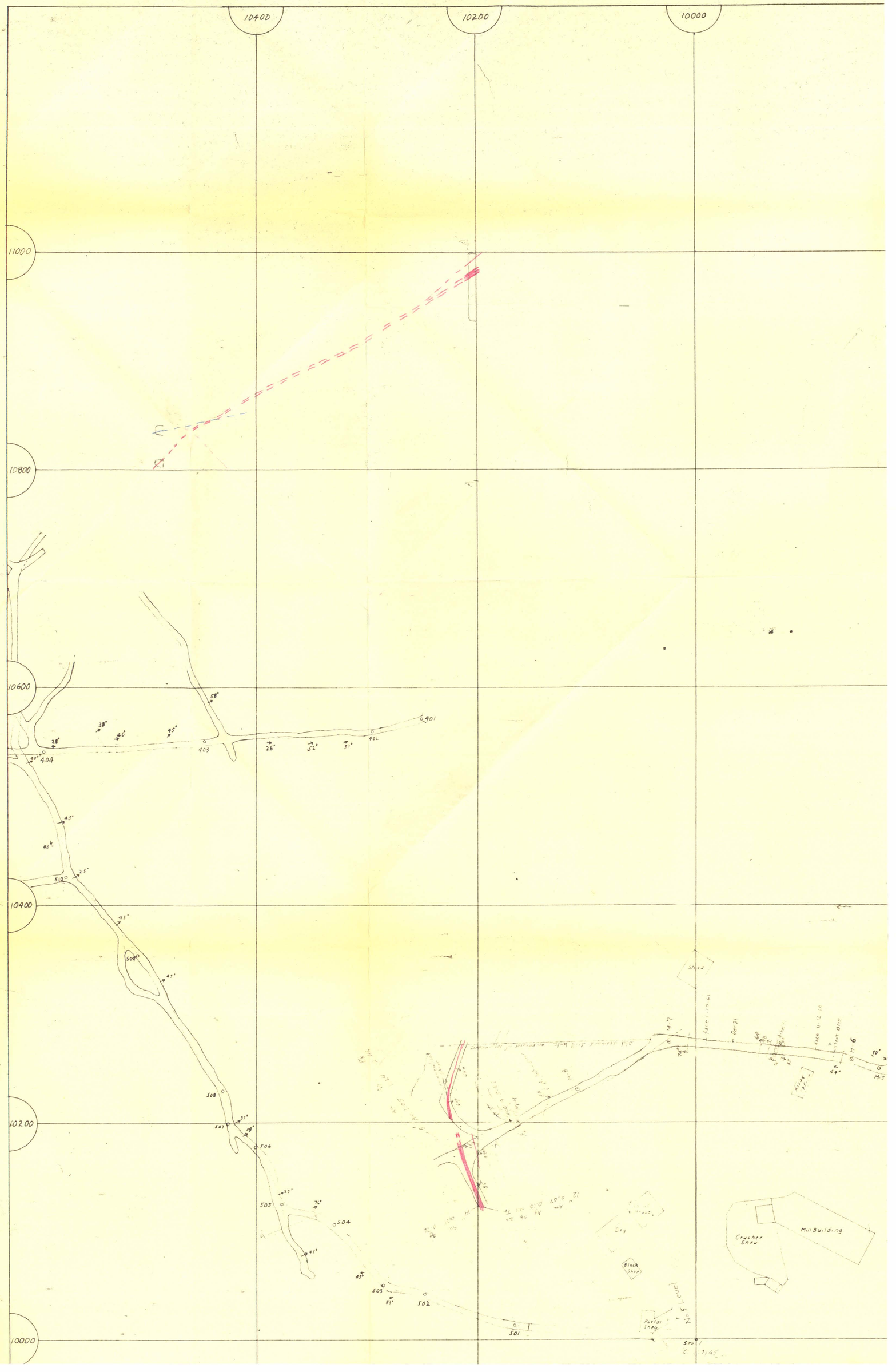
U.S. Department of the Interior

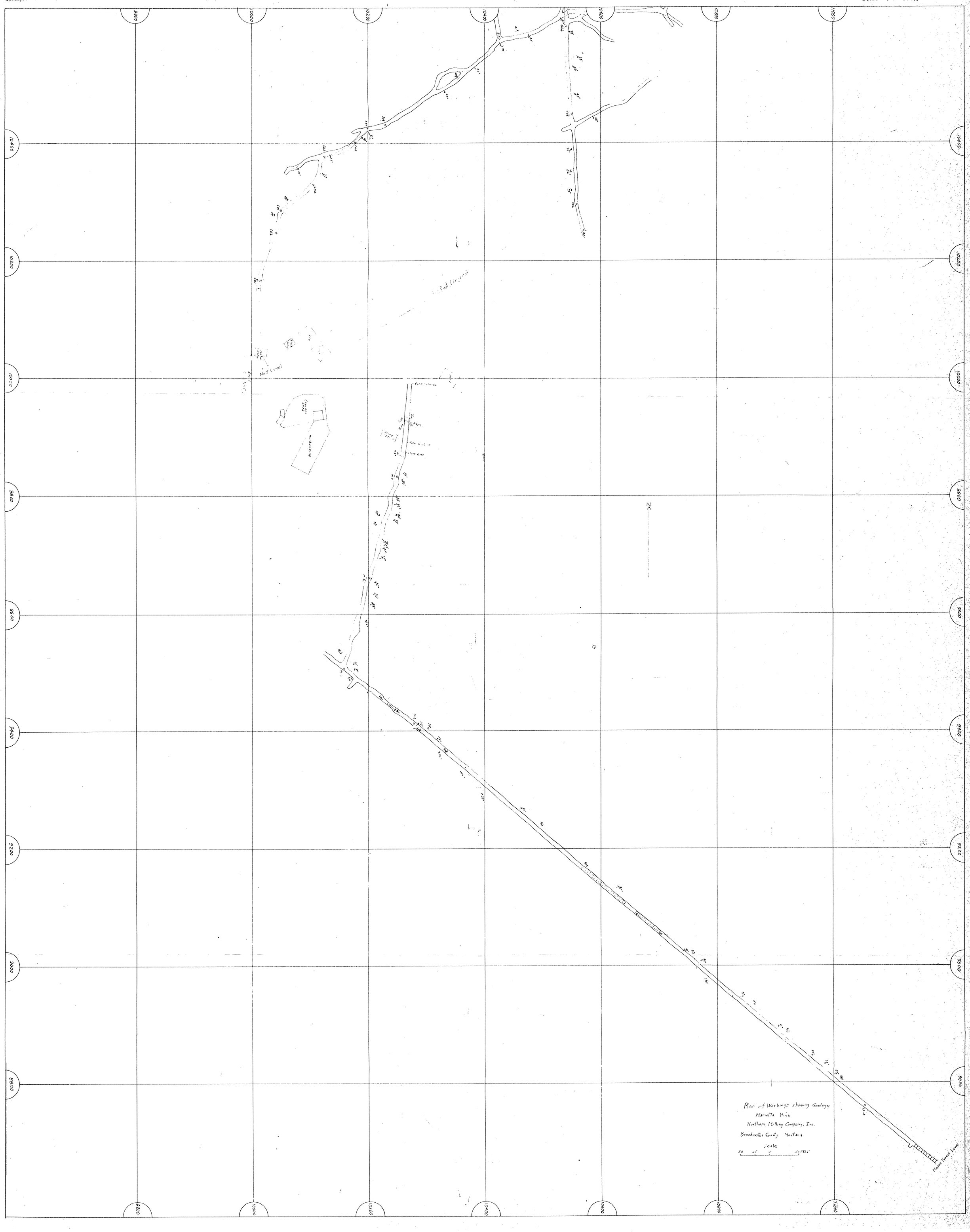
Interim Inspection Report

Docket OME 6082

Docket OME 6082

Interim Inspection Report




Dull Crosscut
No 5 Level
Face 10-61
Face 11-61
Start date
Mason Tunnel Level
N
Plan of Workings showing Geology
Marietta Mine
Northern Milling Company, Inc.
Broadwater County Montana
Scale
50 25 0 50 FEET