UNITED STATES
DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration

OFFICIAL DOCKET FILE

Terminated (~~or cancelled~~) without certification. DMEA No. 3340

This is the official contract file containing all official records of the project. Duplicate material has been removed. The records contained in the files are checked and are arranged in this manner:

Left Side

Certificate of Audit (Final).

Interim Audit(s).

Report of Review.
CLOSING LETTER

Termination Notice or Agreement.

Recision Notice.

Assignment of Contract.

Contract Amendments (latest on top).

Contract with all exhibits and annexes.

Owner's Consent to Lien.

Subordination Agreement.

Leases and assignments of leases.

Application and attachments.

Schedule of Collections.

Operator's monthly reports and all attachments (latest on top).

Right Side

Project summary.

Work completed analysis.

All other material is filed in chronological order with correspondence including the following reports as checked:

Final Field Team Report. (Tab)

Operator's Final Report.

Interim Reports.

On-site Exam Report(s). (Tab)

Settlement Sheets.

If additional folders are required because of volume of records, show folder numbers and contents below:

Maps in folder number_____

Operator's Monthly Reports in folder number JB

7973

Reviewer's Initials

DEFENSE MINERALS EXPLORATION ADMINISTRATION
CONTRACT ADMINISTRATION AND AUDIT DIVISION

REPORT OF REVIEW

I have reviewed the Monthly Reports of:

W. E. Sowers and Stanley G. Johnson, Partners
P. O. Box 276
Hailey, Idaho

pertaining to Exploration Project Contract No. Idm-M728, Docket No. DMEA 3340, without amendment, for the period of October 19, 1954 to September 10, 1955, covering a project for the exploration of lead and zinc, on property known as the Red Leaf Group, located in the Mineral Hill Mining District, Blaine County, State of Idaho.

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

This review was made in lieu of a final audit of the Operator's accounts and records for the following reason:

All of the costs incurred were under a contract provision for payment by the Government on the basis of fixed unit costs of units of work actually performed.

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

Total Cost as billed by Contractor	$10,445.50
Exceptions (Schedule attached)	359.10
Total Accepted Cost	$10,086.40

The contract calls for a 50 percent participation of exploration expenses by the United States Government. Therefore, payment to the Contractor by the Government in the amount of Five thousand forty three and 20/100 Dollars

--$5,043.20--

is considered valid and proper, provided that the Regional Executive Officer, the Administrator, or other competent official has accepted or will accept the project as having otherwise met the terms of the contract.

C. A. Turner, Auditor

November 1, 1955

Schedule of Exceptions

E. H. Bowers and Stanley G. Johnson BMBA 3340 Idm-E728

Crosscutting

Claimed on August 1955 Final MF-104	350	feet	@ $27.00 per foot	$9,450.00
Final Inspection	336.7	feet	@ $27.00 per foot	9,090.90
Disallowed by Review	13.3	feet	@ $27.00 per foot	$ 359.10

C. A. Turner, Auditor

November 1, 1955

File Copy
Surname
J. Alt
Ziniewicz
Chambers
Selfridge

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

MAY 4 1956

Mr. Stanley G. Johnson
Post Office Box 276
Hailey, Idaho

Re: Docket No. DMEA-3340 (Lead-Zinc)
E. H. Sewers and Stanley G. Johnson, partners
Red Leaf Group
Blaine County, Idaho
Contract No. Idm-8728

Dear Mr. Johnson:

Reference is made to your completed exploration contract with the Government.

We sincerely regret that the work performed did not result in a certification of discovery or development under the provisions of the contract. In the absence of such certification, the Government retains no claim or lien against the property subject to the contract or any future production therefrom. We, therefore, are closing our books and records on this project. Your attention, however, is called to the provisions of the contract which require the Operator to keep and preserve records for the period indicated.

Your interest in the DMEA exploration program and participation therein are fully appreciated.

Sincerely yours,

C. O. Mittendorf

Administrator

JWAlt/er 5/2 & 3/56

Copy to: Docket
Admr R File
Op. Committee
Base Metals
Mr. Bishop, USBM
Mr. Kiilsgaard, USGS
REGION I (2)
Mr. Jay Chambers, DMEA
Chron.

Government's copy

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
NOV 8 - 1954

MF-200A
(Revised June 1954)

Docket No. DMEA - 3340

Commodity Lead-zinc

Contract No. Idm-E - 728

UNITED STATES OF AMERICA
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
EXPLORATION PROJECT CONTRACT[1]
(Short Form)

It is agreed this 19th day of October, 1954, between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, hereinafter called the "Government," and [2] E. H. Sowers and Stanley G. Johnson, partners, whose mailing address is P. O. Box 276 Hailey, Idaho, hereinafter called the "Operator," as follows:

ARTICLE 1. *This contract* is entered into under the authority of the Defense Production Act of 1950, as amended. It consists of this form (MF-200A), the attached Exhibit "A," Annex I, and .....

The Operator shall not transfer or assign this contract or any right thereunder without the written consent of the Government.

ARTICLE 2. *Operator's property rights.*—(a) The land which is the subject of this contract (hereinafter called "the land") is in the State of Idaho, County of Blaine, and is described in Annex I.[3]

(b) The Operator represents and undertakes that:

(1) The Operator is the [4] locator of [5] mineral rights in the land, in possession and entitled to possession for all of the purposes of this contract, under and by virtue of a [6] See Annex I, [7] recorded in Book ....., page ....., official records of said County; and

(2) The Operator's right, title, or interest (whether as owner, lessee, or otherwise) is subject only to the following claims, liens, or encumbrances: None

(c) The Subordination Agreement of the holder of any claim, lien, or encumbrance listed above, and (if the Operator does not hold the legal title) the Consent to Lien of any holder of the legal title of the land (lessor, seller, optionor, etc.), are attached, as follows: None

[1] If sufficient space is not provided in any blank, use an extra sheet of paper and refer to it in the blank.
[2] Insert name, and if an organization, its nature (corporation and place of incorporation, partnership with names of partners, etc.).
[3] State on a separate sheet marked "Annex I" the legal description or enough to identify the property, particularly excluding any areas from which the production is not to be subject to the Government's percentage royalty.
[4] Insert "owner," "lessee," "contract purchaser," "locator," etc.
[5] Insert "the entire interest," "the mineral rights," "an undivided one-third," etc.
[6] Insert "deed," "lease," "contract," "location notice," "patent," etc.
[7] If not recorded, so indicate by inserting "un."

(d) The Operator shall preserve and maintain his right, title, and interest in the land and his right to the possession thereof for the purposes of this contract, and shall devote the land and all existing improvements, facilities, buildings, installations, and appurtenances to the purposes of this contract. Until the lapse of the time within which the Government may make a certification of discovery or development without any such certification having been made, and after any such certification has been made, the Operator shall neither transfer, convey, nor surrender the land nor any right, title, or interest therein, nor permit nor suffer any claim, lien, or encumbrance thereon, without expressly referring to and providing in the instrument of conveyance, lien, or encumbrance for the preservation of the Government's right to a percentage royalty on production and lien for the payment thereof. If the Government makes no certification of discovery or development within the time limited in Article 7, it shall thereafter have no claim against the land or any production therefrom except for any production referred to in Article 7(b)(1).

ARTICLE 3. *The exploration project.*—The project is a search for indicated or undeveloped deposits of lead-zinc. The work to be performed is described in Exhibit "A." The Operator on or before November 30, 1954 shall commence the work, and on or before one year from date* (unless the Operator's obligation to complete the work is terminated—see Article 8) shall complete the work.

ARTICLE 4. *Performance of the work.*—(a) *Operator's responsibility.*—The work shall be performed with reasonable diligence, efficiently, expertly, in a workmanlike manner, in accordance with good mining standards and State regulations for health and safety and for liability insurance covering employment; and with suitable and adequate equipment, facilities, materials, supplies, and labor, to bring it to completion within the time fixed.

(b) *Government may inspect.*—The Operator shall consult with and inform the Government on all phases of the work as it progresses. The Government may enter at all reasonable times to inspect the work under the contract, and also after a certification of discovery or development to inspect production operations and underground workings. The operator shall provide the Government with all reasonable means of access for such inspections.

ARTICLE 5. *Contribution by the Government.*—A fixed cost for each unit of work to be performed (per foot of drifting, per foot of drilling, per hour of operations, etc.) is hereby agreed upon, and is set forth in Exhibit "A" in connection with the estimated total cost of the project in the sum of $10,662.00. The Government will contribute 50 percent of the fixed unit costs as work is performed, in a total sum not in excess of $5,331.00: *Provided,* That until the Operator has rendered to the Government his final report, and any final auditing required by the Government has been made, and a final settlement of the contract has been made, the Government may withhold from the last voucher or vouchers such sums as it sees fit not in excess of 10 percent of the estimated total cost of the work. The Government will make its contribution on the basis of the monthly vouchers referred to in Article 6(b), but all payments by the Government are provisional only, subject to audit, until the account between the Operator and the Government is finally audited and settled. To the extent that excesses over fixed unit costs or any excess over the estimated total cost may be necessary for the performance of the work, the Operator shall incur and pay such excesses for his own account without contribution by the Government. The Government may make payments directly to independent contractors and suppliers for the account of the Operator rather than to the Operator.

ARTICLE 6. *Reports, accounts, audits.*—(a) *Operator's records.*—The Operator shall keep suitable records and accounts of the units of work performed and of any production in which the Government may have an interest; and shall preserve those with respect to work performed for at least three years after final payment by the Government, and those with respect to production for at least three years after any obligation to pay royalties to the Government has terminated. The Government may inspect and audit said records and accounts at any time, either by itself or by a certified public accountant. The Comptroller General of the United States or his representative, until the expiration of said three-year periods, shall have access to and the right to examine any pertinent books, documents, papers, and records of the Operator. All of the Operator's vouchers and records and accounts relating thereto and the Government's payments thereof remain subject to adjustment until final audit by the Government.

(b) *Progress reports and vouchers.*—The Operator shall provide the Government with five copies of monthly progress reports in three sections as follows: (1) Operator's Monthly Report and Voucher showing a detailed statement of units of work performed during the reporting period; (2) Operator's Unit Cost and Progress Report showing the various types of work performed during the reporting period and the fixed unit costs incurred for each type of work; and (3) a Narrative Report of the work

* The word "date" means date of the contract.

performed during the reporting period including adequate engineering-geological maps or sketches, drill hole logs and locations, and assay reports on samples taken concurrently with advance in mineralized ground. (Forms for reporting under (1) and (2) above will be provided by the Government.)

(c) *Final report.*—Upon completion of the work or termination of the Government's obligation to contribute to costs, the Operator shall furnish the Government with five copies of a final report (in addition to the final progress report and voucher). This final report shall include a geological and engineering evaluation of the results of the work performed under the contract with an estimate of the ore reserves resulting from such work, complete assay data, adequate geological and engineering maps or sketches, and a summary of the work performed and the unit costs thereof.

(d) *Report of sales.*—The Operator shall provide the Government with suitable accounting and documentary evidence covering all production to which the Government's percentage royalty relates, such as copies of smelter or concentrator settlement sheets, and certified accounts of production and sale or other disposition of production.

(e) *Compliance with requirements.*—If in the opinion of the Government any of the Operator's reports, records, or accounts are insufficient or incomplete, or if the Operator fails to make them, the Government may procure the making or completion of such with suitable attachments as an expense of the work to which the Operator shall contribute. The Government may withhold approval and payment of any vouchers relating to insufficient or incomplete reports, records or accounts.

ARTICLE 7. *Repayment by Operator.*—(a) *Certification.*—If the Government considers that a discovery or development from which production may be made has resulted from the work, the Government, at any time not later than six months after a sufficient final report and final account (see Article 6) has been rendered, may so certify in writing to the Operator. Such certification shall describe broadly or indicate the nature of the discovery or development.

(b) *Royalty on production.*—The Operator, as principal if the Operator is the producer, or as surety if the Operator is not the producer, shall pay to the Government a royalty on all minerals mined or produced from the land, as follows: (1) regardless of any certification of discovery or development, from the date of the contract until the lapse of the time within which the Government may make such certification, or until the total net amount contributed by the Government without interest is fully repaid, whichever occurs first; or (2) if the Government makes a certification of discovery or development, within a period of ten years from the date of the contract, or until the total net amount contributed by the Government without interest is fully repaid, whichever occurs first.

(c) *Basis for computation.*—The Government's royalty shall be a percentage of the gross proceeds (including any bonuses, premiums, allowances, or other benefits) from the production sold, in the form sold (ore, concentrates, metal, or equivalent), at the point of delivery (the f. o. b. point); *except,* that charges of *the buyer* arising in the regular course of business, and shown as deductions on the buyer's settlement sheets, on account of the cost of treatment processes performed by *the buyer,* sampling and assaying to determine the value of the production sold, and freight paid by *the buyer* to a carrier (not the Operator), shall be allowed as deductions in arriving at the "gross proceeds" as that term is used herein. Any costs of treatment processes, sampling or assaying, or transportation, performed or paid by the Operator or by anyone other than the buyer, are not deductible in arriving at the "gross proceeds" as that term is here used. The term "treatment processes," as here used, means those processes (such as milling, concentrating, smelting, refining, or equivalent) applied to the crude ore or other production after it is extracted from the ground, to put it into a commercially marketable form; excluding fabricating or manufacturing.

(d) *Unsold production.*—If any production (ore, concentrates, metal, or equivalent), after the lapse of six months from the date the ore was extracted from the ground, remains neither sold nor used by the Operator in integrated manufacturing or fabricating operations (for instance, if it is stockpiled), the Government, at its option, as long as it so remains, may require the computation and payment of its royalty on the value of such production in the form (ore, concentrates, metal, or equivalent) it is in when the Government elects to require computation and payment. If any production is used by the Operator in integrated manufacturing or fabricating operations before the Government makes its election, the Government's royalty on such production shall be computed on the value thereof in the form in which and at the time when it is so used. "Value" as here used means what is or would be gross income from mining operations for percentage depletion purposes in Federal income tax determination, or the market value, whichever is greater.

(e) *Percentages of royalty.*—The percentages of the Government's royalty shall be as follows:

One and one-half (1½) percent of amounts ("gross proceeds" or "value") not in excess of eight dollars ($8.00) per ton of production in the form in which sold, held, or used, plus one-half (½) percent for each additional full fifty cents ($0.50) by which such amounts exceed eight dollars ($8.00) per ton, but not in excess of five (5) percent of such amounts.

(For instance: the royalty on an amount of five dollars ($5.00) per ton would be one and one-half (1½) percent; on an amount of ten dollars ($10.00) per ton, three and one-half (3½) percent.)

(f) *Time for computation and payment.*—The Government's royalty shall be computed and paid currently upon each lot sold, held, or used in integrated operations, as the case may be, as above provided in this article.

(g) *Lien for payment.*—To secure the payment of its percentage royalty, there is hereby granted to the Government a lien upon the land or the Operator's interest in the land and upon any production of minerals therefrom, until the royalty claim is extinguished by lapse of time or is fully paid.

(h) *Notice to purchasers.*—The Operator shall give notice of the Government's claim for royalty to any purchaser of the production, and shall authorize and direct such purchaser to pay the royalty directly to the Government and to furnish the Government with copies of the settlement sheets. If the records of any production and sales or other disposition of production, whether the production is by the Operator or by others, are not made available to the Government, the amount of the royalty may be estimated by the Administrator, Defense Minerals Exploration Administration, or his successor, and his estimate thereof shall be final and binding upon the Operator.

(i) *No obligation to produce.*—Nothing in this contract is to be construed as imposing any obligation on the Operator or the Operator's successor in interest to engage in any production operations.

(j) *Government not obligated to buy.*—Nothing in this contract shall be construed as imposing any obligation on the Government to purchase any minerals mined or produced from the land.

ARTICLE 8. *Termination of the Government's obligations.*—(a) If in the opinion of the Government operations at any time have failed to achieve anticipated results that indicate the probability of making a worthwhile discovery, and in the opinion of the Government further operations are not justified, the Government may give the Operator written notice thereof, and thereupon the Government shall be free of all obligation to pay on account of units of work not then performed, and the Operator shall be free of all further obligation to prosecute the work other than such as may be necessary and incidental to winding up, reporting, and accounting.

(b) If in the opinion of the Government the Operator is in any manner in default under the terms of the contract, the Government may give the Operator written notice of such default with a specification of reasonable time within which the default must be cured; and if the Operator fails to cure such default as required, thereupon the Government shall be relieved of all obligation to pay on account of units of work not performed when the notice was given, and the Operator shall be free of all obligation to prosecute the work other than such as may be necessary and incidental to winding up, reporting, and accounting. The remedy provided for the Government in this paragraph "(b)" is in addition to any other remedy provided in this contract, and in addition to any other remedy the law may provide for breach of contract.

(c) The giving of any notice by the Government under the provisions of this Article 8 shall not affect the Government's rights as provided for in the contract with respect to a percentage royalty, and such rights shall be fully preserved.

ARTICLE 9. *Notices to be given by the Government* may be delivered to the Operator, or may be sent by registered mail addressed to the Operator at his mailing address stated in this contract. If mailed, notices are deemed to have been delivered five days after the date of mailing.

ARTICLE 10. *Officials not to benefit.*—No member of or delegate to Congress or resident commissioner shall be admitted to any share or part of this contract or to any benefit that may arise therefrom; but this provision shall not be construed to extend to this contract if made with a corporation for its general benefit.

ARTICLE 11. *Changes and added provisions.*—

Executed in sextuplicate the day and year first above written.

E. H. Sowers and Stanley G. Johnson
(Operator)

By E. H. Sowers (Partner)

By Stanley G. Johnson (Partner)

THE UNITED STATES OF AMERICA

By O. Mitchell Dorr
Administrator, Defense Minerals
Exploration Administration

I, ..., certify that I am the ..... secretary of the corporation named as Operator herein; that ..... who signed this contract on behalf of the Operator, was then ..... of said corporation; that said contract was duly signed for and in behalf of said corporation by authority of its governing body, and is within the scope of its corporate powers.

.....

[CORPORATE SEAL]

U. S. GOVERNMENT PRINTING OFFICE 16—70618-1

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
NOV 8 - 1954

EXPLORATION PROJECT CONTRACT
E. H. SOWERS and STANLEY G. JOHNSON
DOCKET NO. DMEA-3340

EXHIBIT "A"

Description of the Work

The work consists of not to exceed 350 feet of drifting and/or crosscutting to explore the lower crosscut level. The work is indicated on the map attached to Annex I, however, the direction, location, and length of the drifts and/or crosscuts are subject to prior approval of the Government.

The drifts and/or crosscuts shall be timbered as required, and shall be not less than 5 feet by 7 feet in cross section in the clear of timber.

Fixed Unit Costs

350 feet of drifting and cross-cutting @ $27.00/ft.	$ 9,450.00	
200 feet of timbering @ $5.50/ft.	1,100.00	
32 assays @ $3.50/assay	112.00	
Estimated Total Cost of Project		$10,662.00
Government's Participation @ 50%		$ 5,331.00

DEPT. OF THE INTERIOR
Defense Minerals Administration
RECEIVED
NOV 8 - 1954

EXPLORATION PROJECT CONTRACT
E. H. SOWERS and STANLEY G. JOHNSON
DOCKET NO. DMEA-3340

ANNEX I

The following unpatented mining claims are located in the Mineral Hill mining district of Blaine County, Idaho, in Section 24, Township 3 North, Range 17 East. The location notices are recorded at the County Court House at Hailey, Blaine County, Idaho.

Claim	Book No.	Page
Red Leaf	102	554
Red Leaf No. 2	131	61
Red Leaf No. 4	156	259
Red Leaf No. 5	130	357

The map entitled "Red Leaf Property, Sower and Johnson, DMEA Docket No. 3340, Blaine County, Idaho," attached to and made a part of this Annex I, shows the approximate location of the claims.

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Form Approved.
Budget Bureau No. 42-R1035.2.

RECEIVED
APR 30 1954
U. S. G. S.
SPOKANE, WASH.

APPLICATION FOR AID IN AN EXPLORATION PROJECT, PURSUANT TO DMEA ORDER 1, UNDER THE DEFENSE PRODUCTION ACT OF 1950, AS AMENDED

Not to be filled in by applicant

Docket No. 3340
Metal or Mineral Lead-Zinc
Date Received
Estimated Cost Not given
Participation (Government %)

INSTRUCTIONS

1. *Name of applicant.*—(*a*) State here your full legal name, in the form in which you will wish to contract, and your mailing address:

E. H. Sowers, P.O. Box 424, Hailey, Idaho
Stanley G. Johnson, P.O. Box 276, Hailey, Idaho
A partnership

(*b*) If other than an individual, add to your name above whether a corporation, partnership, etc., and the name of the State in which incorporated or otherwise organized.

(*c*) If a corporation, add to above statement, titles, names and addresses of officers.

(*d*) If a partnership, add to the above statement the names and addresses of all partners.

2. *General.*—Read DMEA Order 1, "Government Aid in Defense Exploration Projects," before completing this application. Submit this application and all accompanying papers in quadruplicate (four copies), with your name and address on each sheet of the application and on all accompanying papers. Where sufficient space is not provided on the form for all required information, state it on an accompanying paper, with a reference in each case to the instruction to which it refers by number. Comply with all applicable instructions; or, if not applicable, so state. File the application with Defense Minerals Exploration Administration, Department of the Interior, Washington 25, D. C., or with the nearest field executive officer thereof.

3. *Applicant's property rights.*—(*a*) State the legal description of the land upon which you wish to explore, including all land which you possess or control that may be benefited by the exploration, and excluding any land or interest in land which is not to be included in the exploration project contract

Unpatented Claims located in Mineral Hill District of Blaine County

(*b*) State any mine name by which the property is known. See Annex I

(*c*) State your interest in the land, whether owner, lessee, purchaser under contract, or otherwise

Owners by location of Mineral rights

(*d*) If you are not the owner, submit with this application a copy of the lease, contract, or other document under which you control the property.

(*e*) If you own the land, describe any liens or encumbrances on it None

(*f*) If the land consists of unpatented claims, add to the description above, the book and page numbers for each recorded location notice. See Annex I

4. *Physical description.*—(*a*) Describe in detail any mining or exploration operations which have been or now are being conducted upon the land, including existing mine workings and production facilities. State your interest, if any, in such operations. Also describe accessibility of mine workings for examination purposes. See Annex II

(*b*) State past and current production, and ore reserves, if any, giving quantities and grades. Smelter Report Atchd

(*c*) Describe the geologic features of the property, including mineralization, type of deposit (vein, bedded, etc.), and your reasons for wishing to explore. Illustrate with maps or sketches. Send with your application (but not necessarily as a part of it) any geologic or engineering report, assay maps, or other technologic information you may have, indicating on each whether you require its return to you. Sketch and Engineer report atchd.

(*d*) State the facts with respect to the accessibility of the project: Access roads, distances to shipping, supply and residence points. Accessable year around. Seven (7) miles to shipping, supply points.

(*e*) State the availability of manpower, materials, supplies, equipment, water, and power.

All available

16—66551-1

5. *The exploration project.*—(*a*) State the mineral or minerals for which you wish to explore Lead and zinc

(*b*) Describe fully the proposed work, including a map or sketch of the property showing a plan (and cross sections if needed) of any present mine workings, and the location of the proposed exploration work as related to such features as contacts, veins, ore-bearing beds, etc. Cross cut to vein and drift on same

(*c*) The work will start within 10 days and be completed within 24 months from the date of an exploration project contract.

(*d*) State the operating experience and background of the applicant with relation to the ability to carry out such exploration project, and also that of the person or persons who will supervise the operations. Have experience necessary

6. *Estimate of costs.*—Furnish a detailed estimate of the costs of the proposed work (you will have to use a separate sheet), under the following headings. Add the totals under all headings to give the estimated total cost of the project: See-Annex-III

complete project on a unit co st basis

(*a*) *Independent contracts.*—(Note.—If the applicant does not intend to let any of the work to contractors, write "none" after this item. To the extent that the work is to be contracted, do not repeat the cost of the contract-work in subsequent items.) State the cost of any proposed independent contracts for the performance of all or any part of the work, expressed in terms of units of work (such as per foot of drilling, per foot of drifting, per hour of bulldozer operations, per cubic yard of material moved, etc.).

(*b*) *Labor, supervision, consultants.*—Include an itemized schedule of numbers, classes and rates of wages, salaries or fees for necessary labor, supervision and engineering and geological consultants.

(*c*) *Operating materials and supplies.*—Furnish an itemized list, including items of equipment costing less than $50 each, and power, water and fuel.

(*d*) *Operating equipment.*—Furnish an itemized list of any operating equipment to be rented, purchased, or which is owned and will be furnished by the Operator, with the estimated rental, purchase price, or suggested use-allowance based on present value, as the case may be.

(*e*) *Rehabilitation and repairs.*—Furnish a detailed list showing the cost of any necessary initial rehabilitation or repairs of existing buildings, installations, fixtures, and movable operating equipment, now owned by the Operator and which will be devoted to the exploration project.

(*f*) *New buildings, improvements, installations.*—Furnish a detailed list showing the cost of any necessary buildings, fixed improvements, or installations to be purchased, installed or constructed for the benefit of the exploration project.

(*g*) *Miscellaneous.*—Furnish a detailed list showing the cost of repairs to and maintenance of operating equipment (not including initial rehabilitation or repairs of the Operator's equipment), analytical work, accounting, workmen's compensation and employers' liability insurance, and payroll taxes.

(*h*) *Contingencies.*—Give an estimate of any necessary allowances for contingencies not included in the costs stated above.

NOTE.—No items of general overhead, corporate management, interest, taxes (other than payroll and sales taxes), or any other indirect costs, or work performed or costs incurred before the date of the contract, should be included in the estimate of costs.

7. (*a*) Are you prepared to furnish your share of the cost of the proposed project in accordance with the regulations on Government participation (Sec. 7, DMEA No. 1)? Yes

(*b*) How do you propose to furnish your share of the costs?

☐ Money ☒ Use of equipment owned by you ☐ Other

Explain in detail on acompanying paper.

CERTIFICATION

The undersigned, whether as an individual, corporate officer, partner, or otherwise, both in his own behalf and acting for the applicant, certifies that the information set forth in this form and accompanying papers is correct and complete, to the best of his knowledge and belief.

Dated April 21, 1954

(Applicant)

By E. E. Sowers

Stanley G. Johnson

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

U. S. GOVERNMENT PRINTING OFFICE 16—66551-1

ANNEX I

Names of property with book and page numbers for each recorded location notice, recorded at County Court House, Blaine County, Hailey Idaho.

RED LEAF GROUP OF CLAIMS

Red Leaf	Book No 102	Page 554
Red Leaf Extension No I	Book No 131	Page 39
Red Leaf Extension No 2	Book No 131	Page 61
Red Leaf Extension No 3	Book No 131	Page 39
Red Leaf Extension No 4	Book No 156	Page 259
Red Leaf Extension No 5	Book No 130	Page 357

MAY DAY & LUCKY MAY CLAIMS

May Day	Book 156	Page 443
Lucky May	Book 156	Page 437
Lucky May No 1	Book 156	Page 438
Lucky May No 2	Book 156	Page 439
Lucky May No 3	Book 156	Page 440
Lucky May No 4	Book 156	Page 441
Lucky May No 5	Book 156	Page 442

ANNEX II

Physical Description of property

In past year have d rifted on fissure 190 feet, this fissure is located on Red Leaf Extension No 2, not enough depth at this level and at present are working on cross cut to intercept vein at 120 foot lower level. This cross cut driven in the past few years to length of 250 feet at present date extend ed to 300 feet, with work on cross cut continuing. This cross cut is located on Red Leaf Extension No 5. This exploration c ontract application is for aid to continue cross cut to vein and drift along vein in either d irection.

All mine workings accessable for examination purposes

ANNEX III

Estimate of Cost

600 feet of drifting ~~XXXXXX~~ and cross cutting on Red Leaf Group at a cost of $30.00 per foot untimbered and $ 36.00 aper foot timbered. $18,000.00

200 hours dozer work on May Day and Lucky May Group at $ 12.00 per hour with D-6 Dozer or H-G-5 Tracto Shovel. $2,400.00

Total $20,400.00

FORM NO. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

PROOF OF SETTLEMENT 129-9 — Salt Lake City, Utah, September 22, 1953

Purchased From E. H. Bowers and Stanley Johnson

Pay E. H. Bowers and Stanley Johnson, Box 276, Bailey, Idaho

Bailey, Idaho

Ore Crude (Red Leaf Mine) — Lot No. 1 — Gold License No.

Sampled by [illegible] — Received 9-16-53 — Sampled 9-16-53 — Assayed 9-17-53

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. 85.25 Lead, N. Y. 14.00 Zinc

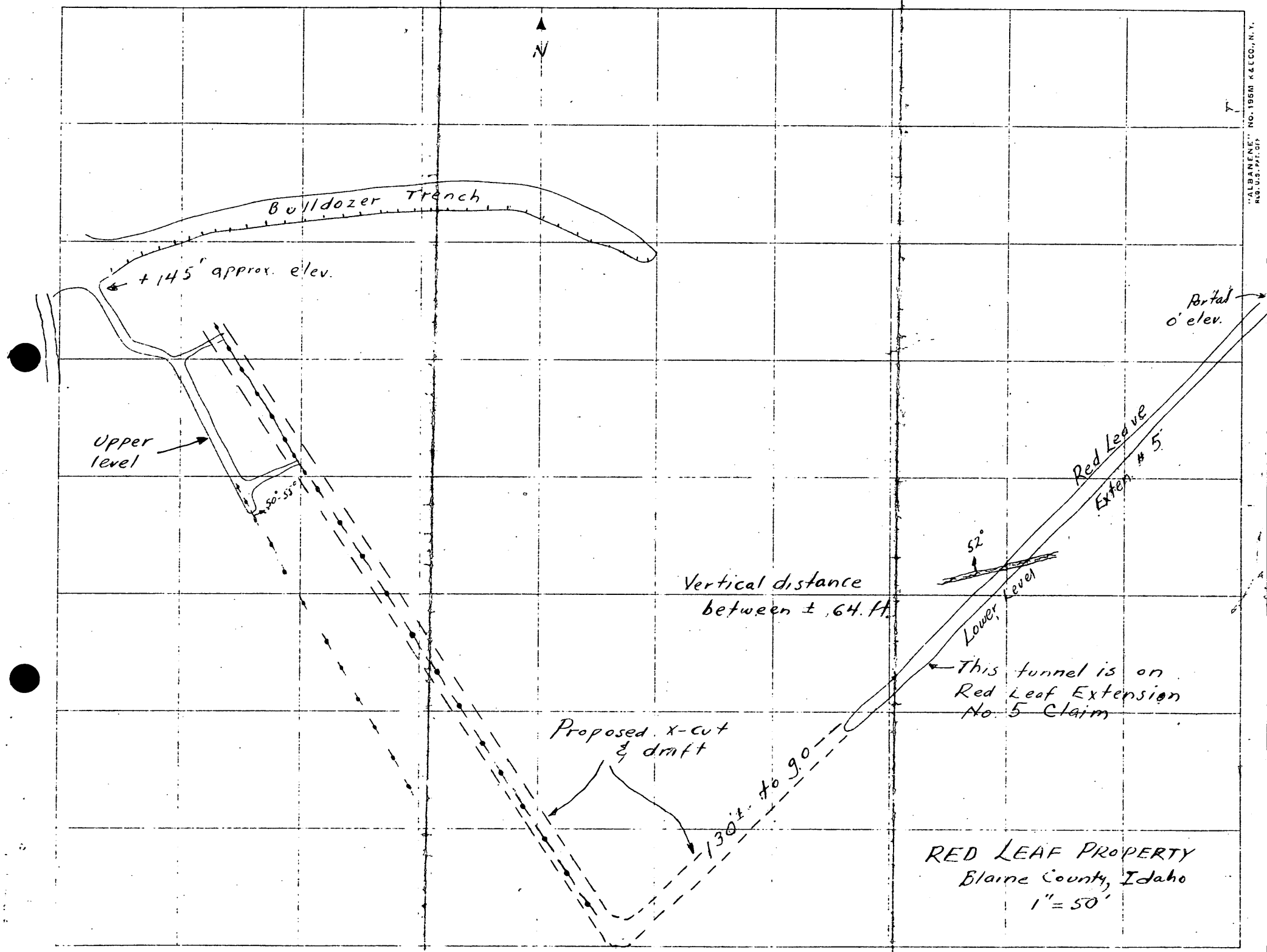
ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER W-T	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT [illegible]
U. S. S. R. & M. Co.				26.50						.8
Umpire										[illegible]
Non-Sulphide Loss				1.50						.3
Settlement Assay	.02	74.20	.15	25.00	65.50	6.40	1.40	4.40	1.20	

CAR NOS.	WET WEIGHT
Truck	
Total Wet Weight	
Sacks	
Net Weight	12450
Less H_2O 1.0 %	124

METAL VALUE		
Gold 100% @ 34.9125		64
Silver 95 % @ 90.0	63	12
Copper		
Lead	92	65
Zinc		
Gross Value	116	73
Less Working Charge	11	50

WORKING CHARGE		
Treatment Base 30% Lead		
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Total Debit		
Iron Credit		
Net Working Charge		

Dry Weight, lbs. 12356	Payment for 6.178	tons @	105 73	per ton	650.11
Freight advanced @	per ton				
Forwarding Charges					
Assay Charges				10.00	
Sampling or Watching Charges					
Hauling Charges 10.00 E H	Bowers and Stanley Johnson, Box 276, Bailey, Idaho			62.40	
Federal Tax 3%				1.87	76 27
			Total Net Proceeds		573 84
			Amount Withheld Pending Receipt of Silver Affidavit		20 20
			Net Proceeds Forwarded	Net Payment	553 64


N
Bulldozer Trench
+145' approx. elev.
Upper level
50°-55°
Vertical distance between ± 64. ft.
Portal 0' elev.
Red Leaf Extension # 5
52°
Lower Level
This tunnel is on Red Leaf Extension No. 5 Claim
Proposed x-cut & drift
130'± to 90
RED LEAF PROPERTY
Blaine County, Idaho
1" = 50'

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

Budget Bureau No. 42-R1036.5

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

RECEIVED FEB - 2 1956

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of August, 1955 Docket No. DMEA Contract No. Idm E-728

Operator's Name Sowers & Johnson Minerals Lead-Zinc

Address P.O. Box 276, Hailey, Idaho

Contract Amount, $ 10,662.00 Government Participation: 50% Amount, $ 5,332.00

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent / Short Form Contracts:						
Drilling						
Bulldozing						
Crosscutting	1242.00	8208.00	9450.00	882.90	8208.00	9090.90
Drifting						
Timbering	253.00	742.50	995.50	253.00	742.50	995.50
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	1495.00	8950.50	10,445.50	1135.90	8950.50	10086.40

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

Date 10 Sep 55 *Payee Sowers & Johnson

Per Stanley M. Johnson Title Partner

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

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

(Instructions on reverse)

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

567 95

$ 567 95

Signature MRP (Authorized Certifying Officer)

Date 1-27-56 Vou. No. 1700 (See other side)

adjusted to final Report of Review

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. E728 in accordance with the terms of the contract.

Signature 151 Stephen W Zoldok Title Mining Engr Date 1-27-56

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature Stephen W Zoldok Title Mining Eng Date 1-27-56

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Form MP-104A
(April 1952)

Budget Bureau No. 42-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

RECEIVED
FEB - 3 1956

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of August 1955 Docket No. DMEA 3340 Contract No. Idm-E 728

Operator's Name Sowers & Johnson Minerals Lead-Zinc

Address P.O. Box 276, Bailey, Idaho

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting		882.90 ~~1242.00~~	32.7 ~~46~~	9090.90 ~~9450.00~~	336.7 ~~350~~	27.00	350	27.00
Crosscutting								
Raising								
Shafts Timbering		253.00	46	995.50	181	5.50	200	5.50
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		1135.90 ~~1495.00~~		10086.40 ~~10,445.50~~				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		~~1495.00~~ 1135.90		~~10,445.50~~ 10086.40				10,662.00

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

REMARKS:

Date 10 Sep 55 Operator Sowers & Johnson

Per Stanley G. Johnson Title Partner

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

(Instructions on reverse)

(For Government use only)

/s/ Stephen W Zoldok

INSTRUCTIONS

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

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

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

GPO 872894

SEP 1 5 1955
SPOKANE, WASH.

10 September 1955
Hailey, Idaho

DMRA Field Team
1201 North Division St.
Spokane 2, Washington

Dear Sirs:

We have finished the contract of 350 feet that was alloted us on Contract No Idm E 728. Thirty (30) feet of this last forty six (46) feet was about same as last report. On the last sixteen (16) feet encountered some lead, the first found in this tunnel, also have a good stream of water running from the face, on the last two rounds.

Vein seems to be breaking up, has lots of iron and greenish stain, most of the vein is real black with grayish mud seems.

Would like to request an additional 150 or 200 feet to continue drifting on the vein, also allowance for timbering the additional footage, as timbering is necessary in this ground. Would you please furnish us with necessary information and papers for securing the additional footage. At price
At price increase to $30.00 ft.

Sincerely,

STANLEY G. JOHNSON
P.O. Box 276
Hailey, Idaho

We would like to have the unit price increased to $30.00 per ft. to take care of our added expense.

Have a longer tram now and are getting in so far that our present compressor is inadequate. Will have to rent a larger one to handle this job now.

W

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

Budget Bureau No. 42-R1036.5

RECEIVED
JUL 19 1955

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

Month of June, 1955 Docket No. DMEA 3340 Contract No. IDM-E 728
Operator's Name Sowers & Johnson Minerals Lead Zinc
Address P.O. Box 276 Hailey, Idaho
Contract Amount, $10,662.00 Government Participation: 50 % Amount, $5,331.00

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent / Short Form Contracts:						
Drilling						
Bulldozing						
Crosscutting	1080.00	7128.00	8208.00			
Drifting						
Timbering	None	742.50	742.50			
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	1080.00	7870.50	8950.50	1080.00	7870.50	8950.50

I certify that the above bill is correct and just and that payment therefor has not been received.
Date 5-July-55 *Payee Sowers & Johnson
Per [signature] Title Partner

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

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

(Instructions on reverse)

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

$540 00

Signature MSP
(Authorized Certifying Officer)

Date 7-15-55 Vou. No. 1562
(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. E728 in accordance with the terms of the contract.

Signature /S/ John D V Bardill Title Metallurgist Date 7-11-55

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature /S/ Stephen W Zoldok Title Mining Engr. Date 7-13-55

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

RECEIVED
JUL 1 5 1955

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of June 1955 Docket No. DMEA 3340 Contract No. IDM-E 728

Operator's Name Sowers & Johnson Minerals Lead Zinc

Address P.O. Box 276 Hailey, Idaho

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT	
							Units	Unit Costs
Drifting								
Crosscutting	1884	1080.00	40	8208.00	304	27.00	350	27.00
Raising								
Shafts Timbering		none	none	742.50	135	5.50	200	5.00
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		1080.00		8950.50				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		1080.00		8950.50				10662.00

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

REMARKS:

Date 5 July 55 Operator Sowers & Johnson

Per Stanley G. Johnson Title Partner

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

(Instructions on reverse)

(For Government use only)

/s/ Stephen W Goldok

INSTRUCTIONS

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

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

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

GPO 872894

5-July- 1955

DMEA Field Team Region 11
12ol N. Division ST.
Spokane 2, Washingtion

RECEIVED
JUL 19 1955

Dear Sirs

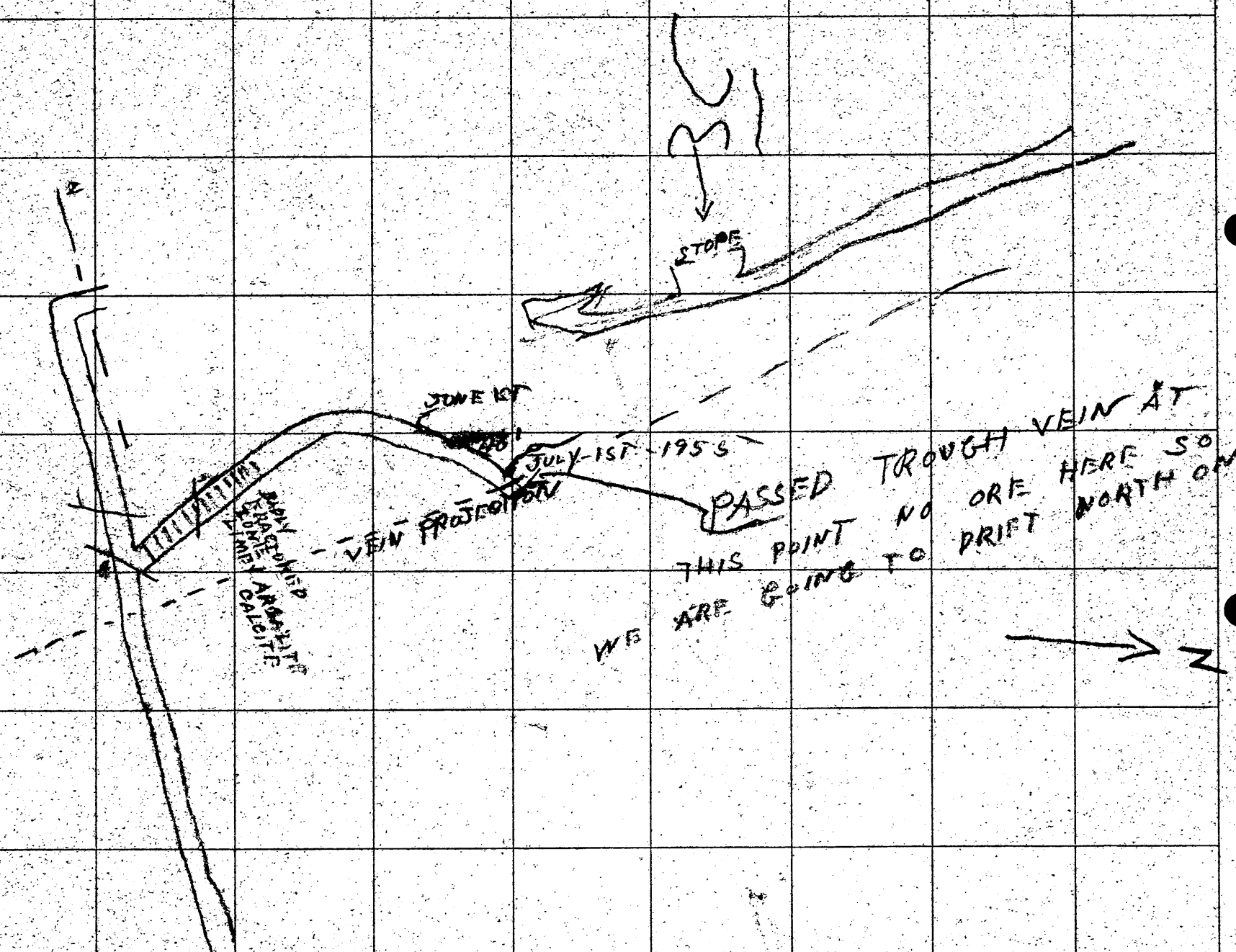
Project work on contract IDME 728 for month of June, advanced 40 ft. Have gone through Vein which is about 4 ft. wide, but no ore at this point, looks just like the vein in upper tunnel, Formation has been limey argulite to the vein. Will turn to left now and follow vein. Which should lead us to the ore.

Vein has some quortz, Iron, and talc in it. Should pick up ore by going north on vein. Which we have desided to do.

Sincerly

Stanley G. Johnson

JULY 1ST. 1955



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

Budget Bureau No. 42-R1036.5

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

RECEIVED
JUN 24 1955

Month of May, 1955 Docket No. DMEA 3340 Contract No. Idaho E 728
Operator's Name Sowers & Johnson Minerals Lead - Zinc
Address P.O. 276 Hailey, Idaho.
Contract Amount, $ 10,662.00 Government Participation: 50 % Amount, $ 5,331.00

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling						
Bulldozing						
Crosscutting	1080.00	6048.00	7128.00			
Drifting						
Timbering	none	742.50	742.50			
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
			7870.50			
TOTALS	1080.00	6790.50	7870.50	1080.00	6790.50	7870.50

I certify that the above bill is correct and just and that payment therefor has not been received.
Date 2 June 55 *Payee Sowers & Johnson
Per Stanley G. Johnson Title Partner

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

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

(Instructions on reverse)

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

$ 540 00

Signature M QP
(Authorized Certifying Officer)

Date 6-20-55 Vou. No. 1531

(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. E128 in accordance with the terms of the contract.

Signature /S/ Alfred P. Service Title Mining Eng. Date 6-13-55

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature /S/ Stephen W. Zoldok Title Mining Eng. Date 6-16-55

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR

RECEIVED
JUN 24 1955

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of May 195 5 Docket No. DMEA 3340 Contract No. IDM E 728

Operator's Name Sowers & Johnson Minerals Lead & Zinc

Address P.O. Box. 276 Hailey, Idaho.

OPERATION	Unit	Costs This Month	Units This Month	Costs to Date	Units to Date	Unit Costs to Date	Authorized by Contract: Units	Authorized by Contract: Unit Costs
Drifting		1080.00	40	7128.00	264	7128.00	350	27.00
Crosscutting								
Raising								
Shafts Timbering		none	none	742.00	135.00	5.50	200	5.50
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Total Distributed Costs		1080.00		7870.50				Total Costs Authorized by Contract
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
Total Costs		1080.00		7870.50				10662.00

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

Date 2 June 55 Operator Sowers & Johnson

Per Stanley C. Johnson Title Partner

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

(Instructions on reverse)

Remarks:

(For Government use only)

Isl Alfred P. Service

INSTRUCTIONS

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

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

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

GPO 872894

2 N 2 June 1955.

DMEA Field Team - REGION II
1201 N. Division St.

RECEIVED
JUN 24 1955

Dear Sirs:

Project work continued on Contract Idm E 728, during month of May 1955. Have advanced 40 feet since last report of May 2 1955, Invoices are submitted.

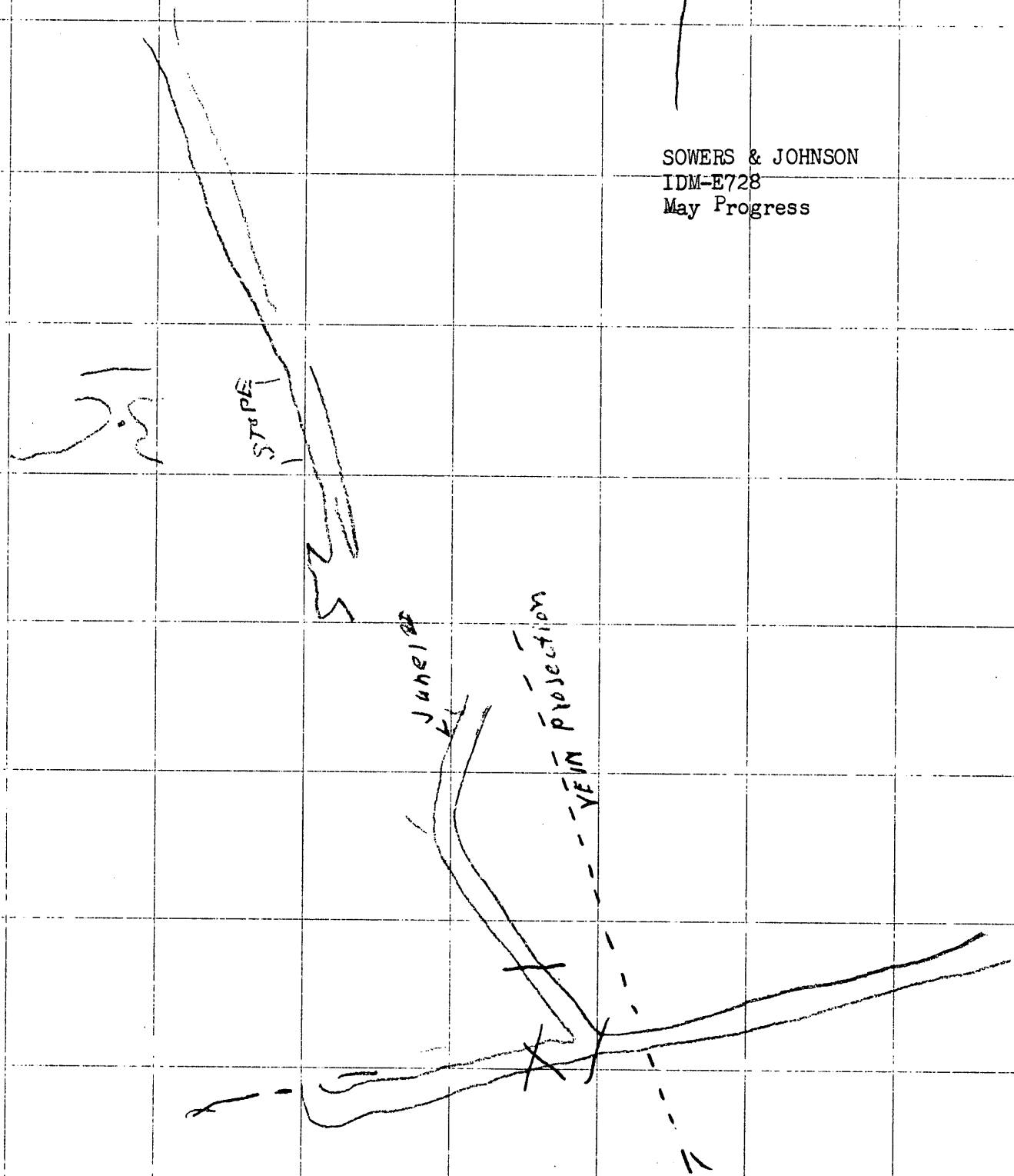
Formation is about the same as last report only more pyrites and more solid, are making a slight turn to the right suggested by Mr. Nickelson.

Sincerely,

Stanley G. Johnson

Stanley G. Johnson
P.O. Box 276
Hailey, Idaho.

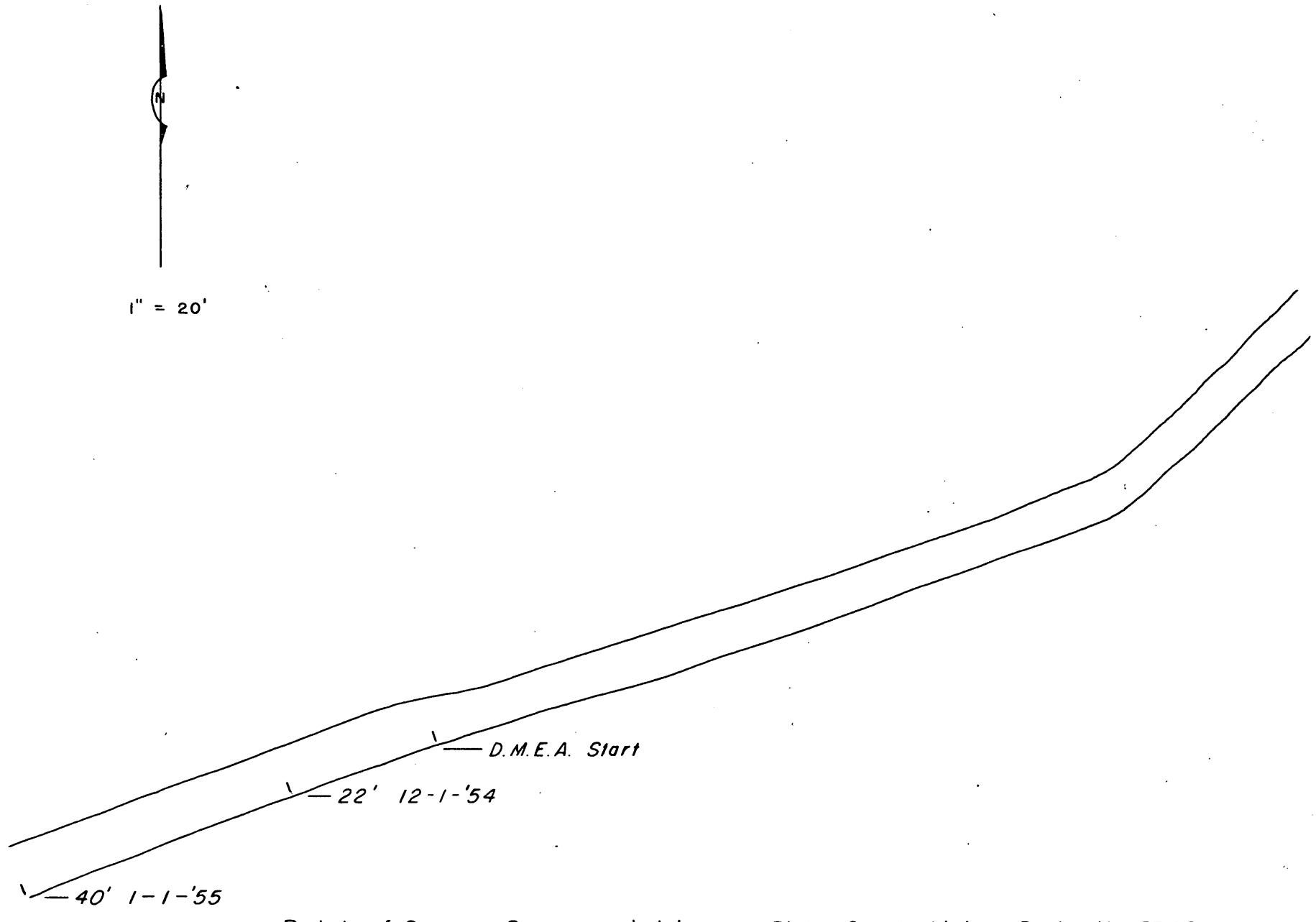
SOWERS & JOHNSON
IDM-E728
May Progress



June 2, 1955

U. S. Dept. of the Int.

D. M. E. A.
Contract Idm. E-728



Red Leaf Group — Sowers and Johnson — Blaine County, Idaho. — Docket No. 3340

RECEIVED
JUN 24 1955

(Rev.)

Budget Bureau No. 42-R1036.5

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

Month of April, 1955 Docket No. DMEA 3340 Contract No. Idm E 728
Operator's Name Sowers & Johnson Minerals Lead-Zinc
Address P.O. Box 276, Hailey, Idaho
Contract Amount, $ 10,662.00 Government Participation: 50% Amount, $ 5,331.00

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent / Short Form Contracts:						
Drilling						
Bulldozing						
Crosscutting	1080.00	4968.00	6048.00			
Drifting						
Timbering	220.00	522.50	742.50			
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	1300.00	5490.00	6790.50	1300.00	5490.50	6790.50

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

Date 2 May 55 *Payee Sowers & Johnson

Per Stanley C. Johnson Title Partner

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

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

(Instructions on reverse)

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

$ 650.00

Signature M. DP
(Authorized Certifying Officer)

Date 5-4-55 Vou. No. 1498

(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. 728 in accordance with the terms of the contract.

Signature /S/ Stephen W Zoldok Title Mining Eng Date 5-4-55

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature /S/ Stephen W Zoldok Title Mining Eng Date 5-4-55

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Budget Bureau No. 42-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of April 1955 Docket No. DMEA 3340 Contract No. Idm E 728

Operator's Name Sewers & Johnson Minerals Lead - Zinc

Address P.O. Box 276, Hailey, Idaho

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting								
Crosscutting		1080.00	48	6048.00	224	27.00	350	27.00
Raising								
Shaft Timbering		220.00	40	742.50	135	5.50	200	5.50
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		1300.00		6790.50				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		1300.00		6790.50				10662.00

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

REMARKS:

Date 2 May 55 Operator Sewers & Johnson

Per [signature] Title Partner

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

(Instructions on reverse)

(For Government use only)

/s/ Stephen W Zoldok

INSTRUCTIONS

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

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

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

GPO 872894

2 May 1955

DMEA FIELD TEAM - REGION II
1201 N. Division St.
Spokane 2, Washington

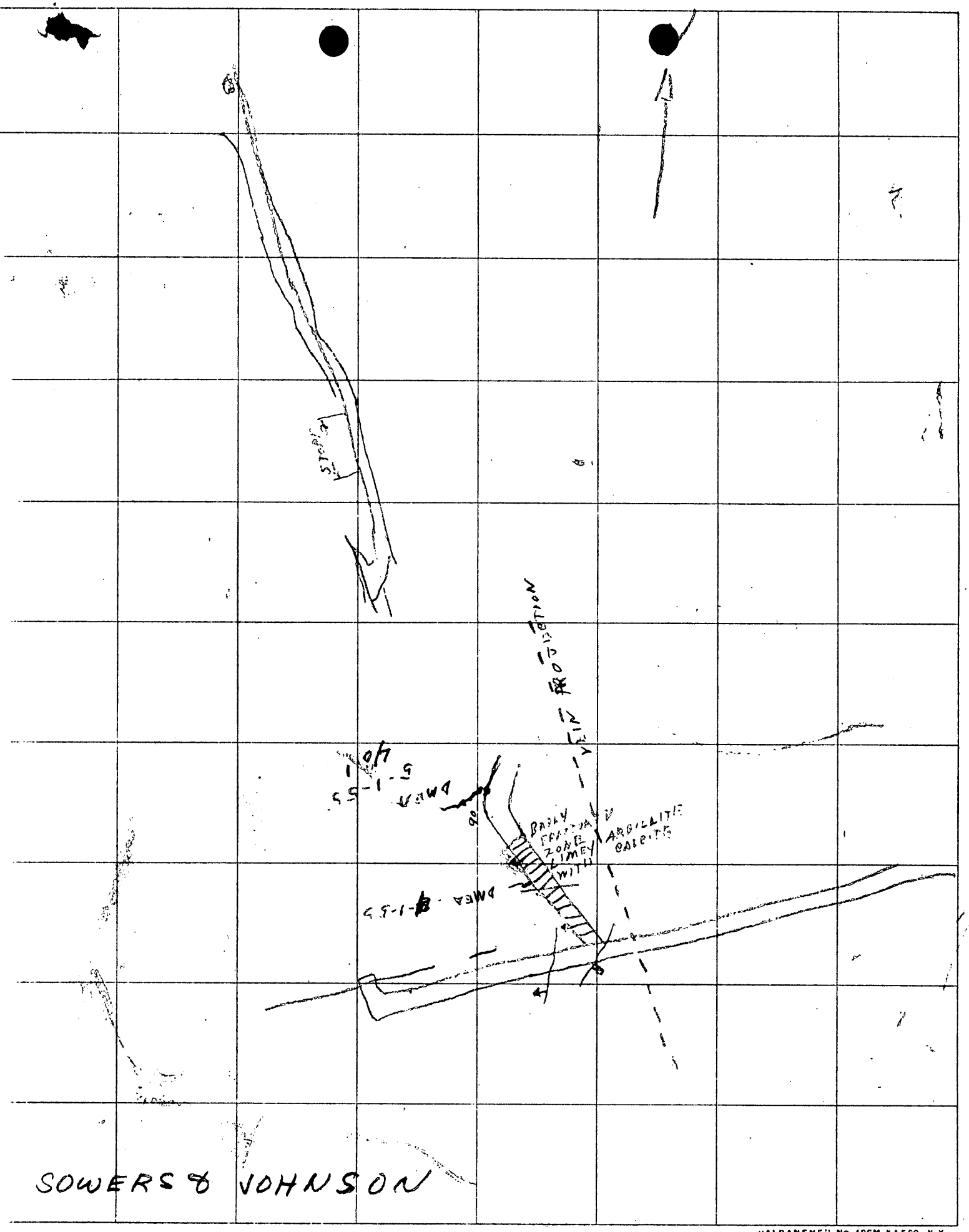
Dear Sirs:

Project work continued on Contract Idm E 728, during month of April 1955. Have advanced 40 feet since liast report of 1 April 1955. Invoices are submitted.

Ground continues about same, only it is more limey. Are now making a right angle turn to crosscut vein as suggested by Mr. Nickelson.

Stanley G. Johnson

STANLEY G. JOHNSON
P.O. Box 276
Hailey, Idaho



SOWERS & JOHNSON

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

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

Budget Bureau No. 42-R1036.5

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Defense Minerals Administration
RECEIVED
APR 22 1955

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of March 1955 Docket No. DMEA 3940 Contract No. Idm E 728
Operator's Name Sowers & Johnson Minerals Lead - Zinc
Address P.O. Box 276, Hailey, Idaho
Contract Amount, $ 10,662.00 Government Participation: 50 % Amount, $ 5,331.00

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						M
Drilling						
Bulldozing						
Crosscutting	1080.00	3888.00	4968.00	1080.00	3888.00	4968.00
Drifting						
Timbering	220.00	302.50	522.50	220.00	302.50	522.50
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	1300.00	4190.50	5490.00	1300.00	4190.50	5490.50

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

Date 1 April 55 *Payee Sowers & Johnson

Per Stanley G. Johnson Title Partner

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

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

(Instructions on reverse)

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

$ 650 00

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

Date 4-15-55 Vou. No. 1485

(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. E 728 in accordance with the terms of the contract.

Signature /S/ Alfred R Service Title Mining Engr Date 4-11-55

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature /S/ Stephen W Goldoft Title Mining Engr Date 4-12-55

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
APR 22 1955

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of March 1955 Docket No. DMEA 3340 Contract No. Idm X 728
Operator's Name Sowers & Johnson Minerals Lead - Zinc
Address P.O. Box 276, Hailey, Idaho

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting								
Crosscutting		1080.00	40	4968.00	184	27.00	350.00	27.00 ~~9,450.00~~
Raising								
Shafts Timbering		220.00	40	522.50	95	5.50	200	5.50 ~~1,100.00~~
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		1300.00		5490.50				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		1300.00		5490.50				10662.00

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

Date 1 April 55 Operator Sowers & Johnson

Per Stanley G. Johnson Title Partner

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

REMARKS:

(Instructions on reverse)

4-11-55

(For Government use only)

ISI Alfred R. Service

INSTRUCTIONS

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

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

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

GPO 872894

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
APR 22 1955

1 April 1955

DMEA FIELD TEAM - REGION II
1201 N. Division St.
Spokane 2, Washington

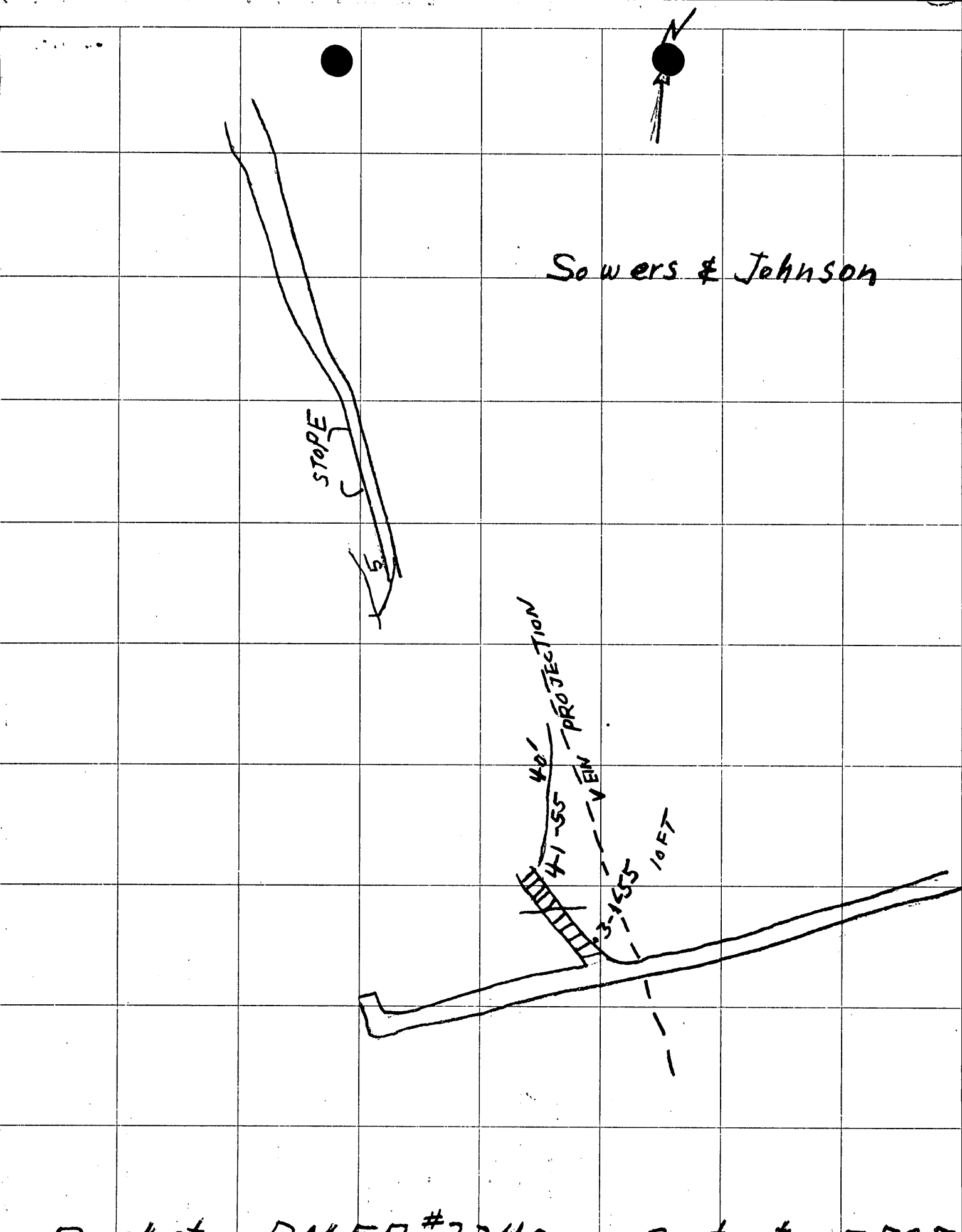
Dear Sirs:

Project work on Contract Idm E 728 during month of March 1955

Have advanced 40 feet on crosscut as described on map. This formation is all fractured and broken up. Rock seams to be limey argalite with some iron and calside. Very wet, have crosscut some very black and sticky mud seams.

STANLEY G. JOHNSON
P.O. Box 276
Hailey, Idaho

Stanley G. Johnson



Docket DMEA #3340 — Contract E-728

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

W

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

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

Month of February, 1955 Docket No. DMEA 3340 Contract No. Idm E 728
Operator's Name Sewers & Johnson Minerals Lead - Zinc
Address P.O. Box 276, Kellogg, Idaho
Contract Amount, $ 10,662.00 Government Participation: 50 % Amount, $ 5,331.00

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent / Short Form Contracts:						
Drilling						
Bulldozing						
Crosscutting	1134.00	2754.00	3888.00			
Drifting						
Timbering	82.50	220.00	302.50			
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	1216.50	2974.00	4190.50	1216.50	2974.00	4190.50

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

Date 1 March 55 *Payee Sewers & Johnson

Per Stanley G. Johnson Title Partner

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

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

(Instructions on reverse)

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

$ 608 25

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

Date 3-17-55 Vou. No. 1463
(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. E728 in accordance with the terms of the contract.

Signature /s/ Alfred L. Service Title Mining Engr. Date 3-11-55

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature /s/ Stephen W. Zoldok Title Mining Engr. Date 3-15-55

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

GPO 83-38476

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of February 1955 Docket No. DMEA 3340 Contract No. Idm E 728

Operator's Name Sowers & Johnson Minerals Lead - Zinc

Address P.O. Box 276, Hailey, Idaho

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT	
							Units	Unit Costs
Drifting								
Crosscutting		1134.00	42	3888.00	144	27.00	350	$ 9,450.00
Raising								
Timbering		82.50	15	302.50	55	5.50	200	1,100.00
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS								TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS								

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

Date 1 March 1955 Operator Sowers & Johnson

Per Stanley G. Johnson Title Partner

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

REMARKS:

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

GPO 872894

1 March 1955

DMEA FIELD TEAM- REGION II
1201 N. Division St.
Spokane 2, Washington

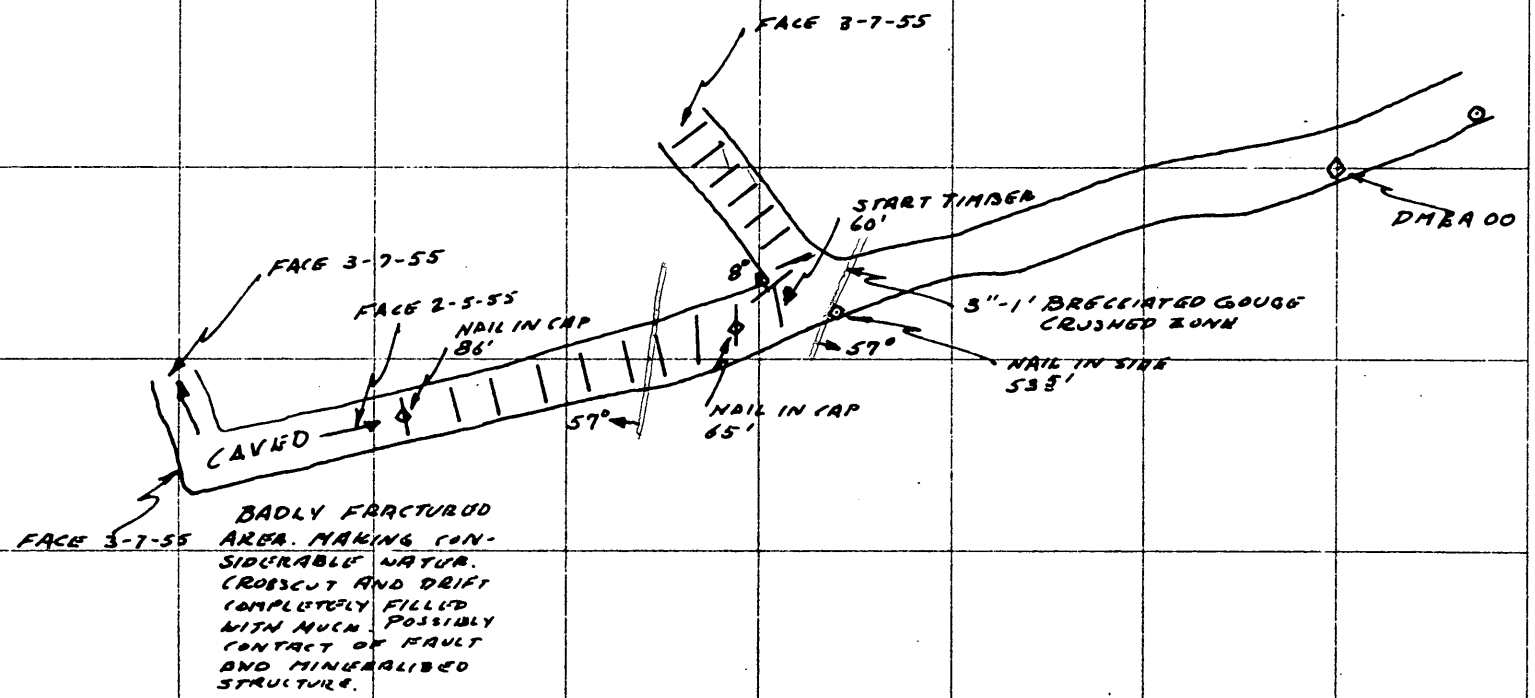
Dear Sirs:

Project work on Contract Idm-K728 during the month of February 1955.

Advanced 22 feet ahead on main crosscut and which is now 488 feet from portal. Made a 10 foot crosscut off the end of this tunnel to the right, as described on map, this ten feet went part way through a large fault zone. We then dropped back about 75 feet from the face of main tunnel and started another crosscut to the right as described on map, this we had in 10 feet on February 28, 1955, and are now continuing on same.

Have considerable more water than last report, formation is argalite with lots of iron, hellow and green stain, some mud seams.

s/s Stanley G. Johnson
P. O. Box 276
Mailey, Idaho



SOWERS AND JOHNSON
BLAIN COUNTY, IDAHO
CONTRACT IDM E 728
SCALE 1" = 20'
MARCH 1955

"ALBANENE" REGISTERED TRADE MARK NO. 1600 K & E CO., N.Y.

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

W

Budget Bureau No. 42-R1036.5

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
FEB 14 1955

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of January, 1955 Docket No. DMEA 3340 Contract No. Idm E 728

Operator's Name Sowers & Johnson Minerals Lead - Zinc

Address P.O. Box 276, Hailey, Idaho

Contract Amount, $ 10,662.00 Government Participation: 50 % Amount, $ 5,331.00

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent / Short Form Contracts:						
Drilling						
Bulldozing						
Crosscutting	1080.00	1674.00	2754.00			
Drifting						
Timbering	220.00	.00	220.00			
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	1300.00	1674.00	2974.00	1300.00	1674.00	2974.00

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

Date 1 Feb 1955 *Payee Sowers & Johnson

Per Stanley A. Johnson Title Partner

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

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

(Instructions on reverse)

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

$ 650 00

Signature MJP
(Authorized Certifying Officer)

Date 2/10/55 Vou. No. 1433
(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. 6728 in accordance with the terms of the contract.

Signature /S/ Alfred R. Service Title Mining Engr Date 2/9/55

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature /S/ Stephen W. Zoldok Title Mining Engr Date 2/9/55

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
FEB 14 1955

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of January 1955 Docket No. DMEA 3340 Contract No. Idm E 728
Operator's Name Sowers & Johnson Minerals Lead - Zinc
Address P.O. Box 276, Mailey, Idaho

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT	
							Units	Unit Costs
Drifting								
Crosscutting		1080.00	40	2754.00	102	27.00	350	$9,450.00
Raising								
~~Shafts~~ XXXX Timbering		220.00	40	220.00	40	5.50	200	1,100.00
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		1300.00		2974.00				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		1300.00		2974.00				

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

Date Feb 1, 1955 Operator Sowers & Johnson

Per Stanley E. Johnson Title Partner

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

REMARKS:

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

GPO 872894

1 February 1955

Property of the Idaho
Lessee Mineral Administration
Board
FEB 14 1955

DMEA Field Team, Region II
1201 N. Division St.
Spokane 2, Washington

Dear Sirs:

Project work continued on contract, Idm E 728 during month of January 1955. Have advanced 40 feet since last report. Invoices are submitted.

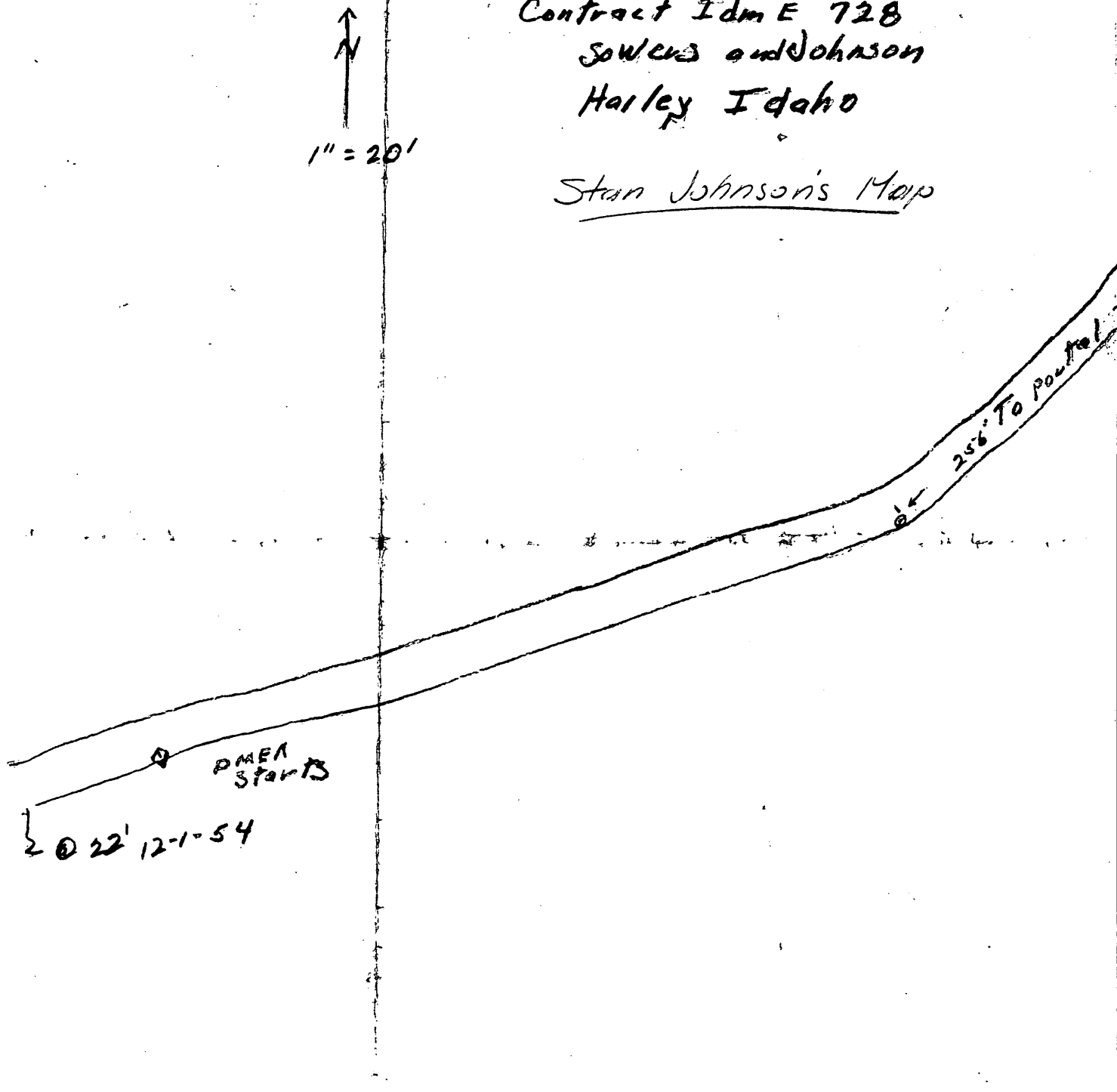
Ground continued about same until last two rounds, roof is gouge gray looking material several feet thick very wet and savy. Face is still hard argalite, some quartz appearing and more water. Should not be to far from vein. Timbering has been necessary since last report

Stanley G. Johnson

STANLEY G. JOHNSON
P.O. Box 276
Hailey, Idaho

DMEA 3340
Contract IdmE 728
Sowens and Johnson
Hailey Idaho

Stan Johnson's Map



DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
DEMBRO
FEB 14 1955

Form [illegible]-104 (Rev.)
(April 1952)

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Budget Bureau No. 42-R1036.5

Department of the Interior
Defense Minerals Administration
RECEIVED
JAN 24 1955

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of December, 1954 Docket No. DMEA 3340 Contract No. Idm E 728
Operator's Name Sowers & Johnson Minerals Lead - Zinc
Address P.O. Box 276, Hailey, Idaho
Contract Amount, $ 10,662.00 Government Participation: 50 % Amount, $ 5,331.00

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent / Short Form Contracts:						
Drilling						
Bulldozing						
Crosscutting	1080.00	594.00	1674.00			
Drifting						
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	1080.00	594.00	1674.00	1080.00	594.00	1674.00

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

Date Jan 1, 1955 *Payee Sowers & Johnson

Per Stanley G. Johnson Title Partner

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

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

(Instructions on reverse)

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

$ 540 00

Signature MDP
(Authorized Certifying Officer)

Date 1/19/55 Vou. No. 1413
(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. E 728 in accordance with the terms of the contract.

Signature /s/ Alfred R. Service Title Mining Engr Date 1-14-55

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature /s/ Stephen W. Zoldok Title Mining Engr Date 1-14-55

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Form DMEA-104A
(April 1952)

Budget Bureau No. 42-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of December 1954 Docket No. DMEA 3340 Contract No. Idm E 728

Operator's Name Sewers & Johnson Minerals Lead - Zinc

Address P.O. Box 276, Ketchum, Idaho

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT	
							Units	Unit Costs
Drifting								
Crosscutting		1080.00	40	1674.00	62	27.00	350	$9,450.00
Raising								
Shafts								
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS								TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS								

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

Date Jan 1, 1955 Operator Sewers & Johnson

Per Stanley G. Johnson Title Partner

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

REMARKS:

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

GPO 872894

January 1, 1955

Received
JAN 4 1955

DMEA Field Team, Region II
1201 N. Division St.
Spokane 2, Washington

Dear Sirs:

Project work continued on Contract, Idm E-728 during month of December, have advanced 40 feet since last report. Invoices for this work are submitted.

Ground continued about same for next 30 feet, formation last 10 feet changing considerable, passed through small mud seam, ground beyond broken up with considerable more iron sulphides, soapy green rock formation. Have not reached the vein but believe close, more moisture appearing each round.

Yours truly,

Stanley G. Johnson

STANLEY G. JOHNSON
P.O. Box 276
Hailey, Idaho

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

Budget Bureau No. 42-R1036.5

RECEIVED
DEC 16 1954

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

Month of Oct. & Nov, 1954 Docket No. DMEA 3340 Contract No. Idm E 728
Operator's Name Sowers & Johnson Minerals Lead - Zinc
Address P. O. Box 276, Hailey, Idaho
Contract Amount, $ 10,662.00 Government Participation: 50 % Amount, $ 5,331.00

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling						
Bulldozing						
Crosscutting	594.00		594.00			
Drifting						
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	594.00		594.00	594.00	—0—	594.00

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

Date Dec 9 1954 *Payee Sowers & Johnson

Per Stanley G. Johnson Title Partner

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

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

(Instructions on reverse)

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

$ 297.00

Signature MAP
(Authorized Certifying Officer)

Date 12/10/54 Vou. No. 1371
(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. E 728 in accordance with the terms of the contract.

Signature 1st Verdo Z Johnson Title Mining Engr Date 12/7/54

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature 1st Stephen W Zoldok Title Mining Engr Date 12/8/54

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

RECEIVED
DEC 16 1954

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of Oct - Nov 1954 Docket No. DMEA 3340 Contract No. Idm E 728
Operator's Name Sowers & Johnson Minerals Lead - Zinc
Address P.O. Box 276, Hailey, Idaho

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT	
							Units	Unit Costs
Drifting								
Crosscutting		594.00	22	594.00	22	27.00	350	$9,450.00
Raising								
Shafts								
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS								TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS								

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

Date Dec. 3 1954 Operator Sowers & Johnson

Per Stanley G. Johnson Title Partner

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

REMARKS:

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

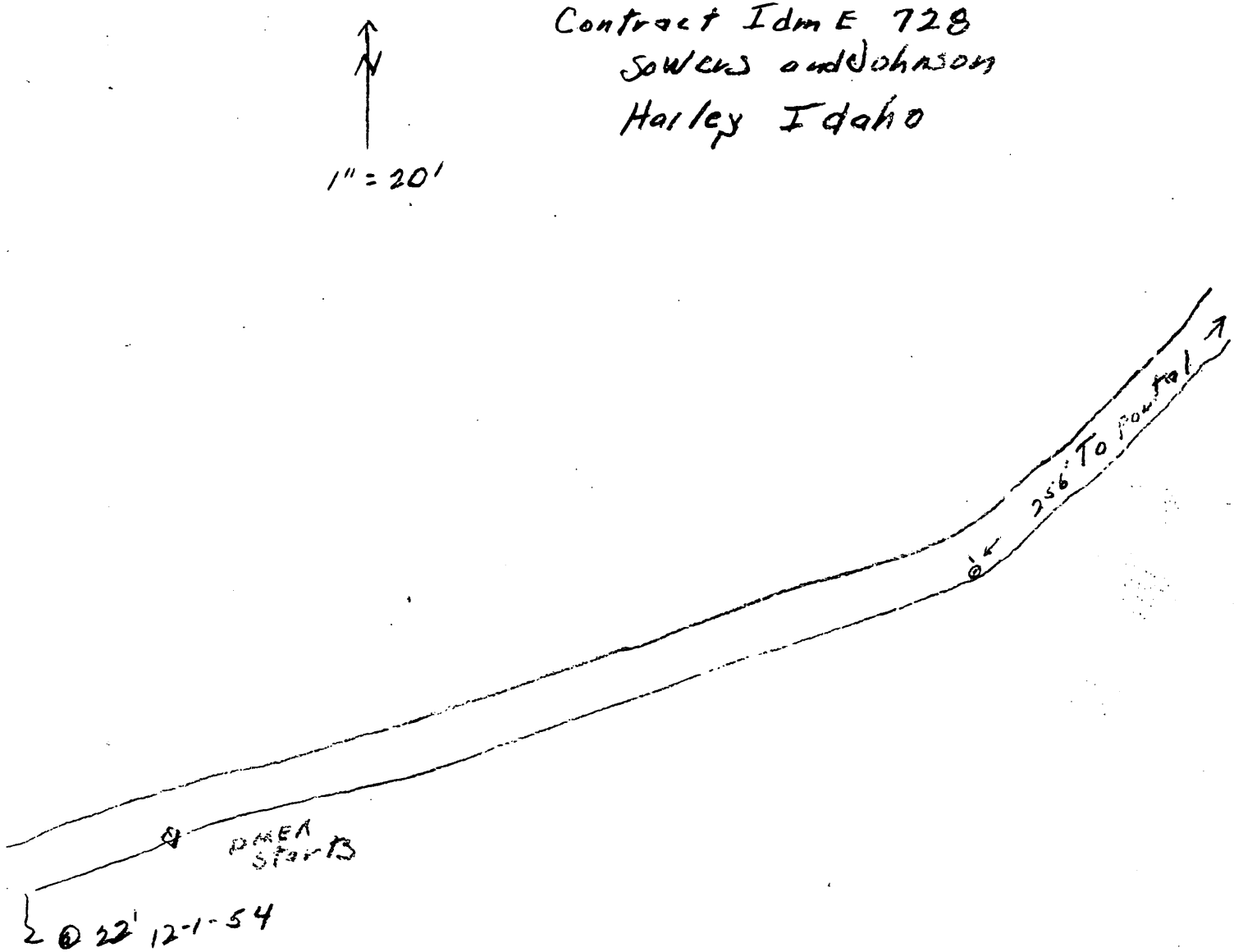
Preparation of Form MF–104A—Operator's Unit Cost and Progress Report.—Applicable places on Form 104A should be filled in by the Operator. The purpose of this form is twofold as follows: (1) to furnish the supervising engineers and other administrators with statistical information necessary to better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

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

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

GPO 872894

DMEA 3340
Contract IdmE 728
Sowers and Johnson
Harley Idaho



3 December 1954

DMEA Field Team
1201 N. Division
Spokane, Washington

Dear Sirs:

Project work was started on the Contract, Idm-E728 on October 26, 1954, but because of prior committments we could devote only a few shifts to the project and have advanced 22 feet. Invoices for this work are herewith submitted.

The ground is good and some iron sulphides are appearing. We hope to reach the vein next month.

Please send check to P. O. Box 276, Hailey, Idaho.

Yours very truly,

Stanley G. Johnson
P. O. Box 276
Hailey, Idaho

MME Form 7
(10-58)

OFFICIAL FILE COPY

Date	Surname	Code
9/12	GCS	120
	Hammond	500
9/13	Talbert	800
"	Johnson	110
9-13	Fennell	100
9-13	gad	220

SEP 1 3 1961

Memorandum

To: Acting Field Officer, Region I

From: Chief, Division of Field Operations, OME

Subject: DMEA-3340 (Lead-Zinc)
E. H. Sowers & Stanley G. Johnson
Red Leaf Group
Blaine County, Idaho
Contract Idm-8728

T-45

In addition to the information you listed in your letter of September 1 to Mr. Paul C. Lyon, which can be made available to a third party, is the information submitted by an applicant or operator upon receipt of written permission from the applicant or operator. Where a great deal of material is involved, it would be best to refer the matter to Washington as in some cases a nominal charge is made for duplication costs.

/s/ George C. Selfridge

(HB)

GCSelfridge/hb (9/12/61)
Copy to: Docket DMEA-3340
Director's Reading File
GCSelfridge
Review Committee

43683

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

DATE	INITIALS	CODE
9-5	[illegible]	100
		140
		800
		500
		500

So. 157 Howard Street
Spokane 4, Washington
September 1, 1961

Mr. Paul C. Lyon
409 Mess Building
Salt Lake City 1, Utah

Re: DMEA-3340 (Lead-Zinc)
E. H. Sowers & Stanley G. Johnson,
partners Kenb
Red Lead Group
Blaine County, Idaho
Contract Idm-E728

Dear Mr. Lyon:

The only information relative to a DMEA project that this office is authorized to make available to the public is:

Name of Operator

Location - state and county

Mineral commodity

Total estimated cost

Amount of Government participation

Other information in our files, such as reports, maps and sections, pertaining to a project is considered confidential and is only for the use of the Government. I regret that I cannot furnish you copies of this material, but if you should be in Spokane and would care to call at the office, I would be glad to discuss the geology with you.

I will be out of the office from September 5 to 23. If you are planning a visit to this area after September 23, I suggest you advise me so that I can plan to be available.

Sincerely yours,

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

DRMacLaren:mls
ect OME w/cy incoming
Reading copies to:
Nolan, Hobbs, Guild

PAUL C. LYON

MINING

409 NESS BUILDING

DIAL 3-2623

SALT LAKE CITY 1, UTAH

August 28, 1951

U.S. Geological Survey
Defense Minerals Dep't.
[illegible] Howard Street
Spokane, Washington

Attention Mr. Weissenborn

Re: DMEA Loan No. 5340.
E.H.Sowers and Stanley
E. Johnson, partners.

Gentlemen:

I have recently taken a five year lease and option on a mine in Hailey, Idaho, known as the Red Leaf Mine. The mine was opened by a exploration loan [illegible], at which time E.H.Sowers and Stanley E. Johnson were partners in the ownership.

The people apparently were not careful to keep records or [illegible] only thing they have left is their copy of the loan [illegible].

It would help me a lot if I could get some of the data that probably was contained in the reports on the loan. It is hard to start from scratch, when there must be maps or sketches that may help materially.

Mr. Johnson now owns the mine himself and I am leasing from him. He said would help get me the information from your office if he could, and will consent to my having any information you may have. His address is Box 276 Hailey, Idaho.

I will gladly pay for any copies of information you have.

Thanking you for any favors you can give me in this matter, I am Very truly yours

/s/ Paul C. Lyon

PCL/11

R[illegible]

AUG 30 1951

[illegible]

[illegible]

[illegible], Idaho

September [illegible] 1961

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

DATE	[illegible]	CODE
		440
		800
10/5	Received	500
		~~500~~
		220
		~~lease~~ loan

r. [illegible]
[illegible]epartment of the Interior
[illegible] of Minerals Exploration
[illegible] Howard Street.
[illegible], 4, Washington.

[illegible] Sir:

[illegible] [illegible]. Lyon of Salt Lake City, Utah has been given a [illegible] property, the Red Leaf Group of claims, on which a DMEA [illegible] [illegible]ale, viz: DMEA 7340.

It will be very much appreciated if you will help Mr. Lyon to get what information you may have regarding the property, as I do not have much myself.

Mr. Lyon expects to be in Spokane on September 25th or shortly afterward to see you.

[illegible] you for anything [illegible] for Mr. Lyon, I remain

Very truly yours

Stanley G. Johnson

Rec'd T-45

[illegible]

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

RECEIVED
500 JUL 25 1956

PROJECT SUMMARY REPORT

By: J. W. Alt July 13, 1956

1. Docket No. DMEA-3340 (Lead-Zinc)
Contract No. Idm-E728
Property: Red Leaf Group
Blaine County, Idaho

Operator: E. H. Sowers and Stanley G. Johnson
Post Office Box 276
Hailey, Idaho

Operator's Property Right: Locator of 4 unpatented mining claims

2. Contract dated October 19, 1954. To complete - one year.

Work Authorized (Short Form Contract)

The work consists of not to exceed 350 feet of drifting and/or crosscutting to explore the lower crosscut level.

Fixed Unit Costs

350 feet of drifting and crosscutting @ $27.00/ft.	$ 9,450.00
200 feet of timbering @ $5.50/ft.	1,100.00
32 assays @ $3.50/assay	112.00
Estimated total cost of project	$10,662.00
Government's participation @ 50%	$ 5,331.00

Amendments

None

Work Completed

Drifting & crosscutting 336.7 feet @ $27.00/ft.	$ 9,090.90
Timbering, 181 feet @ $5.50/ft.	995.50
Total cost of the project	$10,086.40
Government's participation, 50%	$ 5,043.20

Work on the project was started on October 26, 1954.
The work was completed on September 29, 1955.

3. Audit Certificate (Report of Review) dated November 1, 1955.

Total Cost as billed by Contractor	$10,445.50
Exceptions	359.10
Total Accepted Cost	$10,086.40
Government's participation at 50%	$ 5,043.20

Operator's final report, waived.
Field Team final report dated April 1956 (received April 27, 1956).

4. Certification date: No Certification of Discovery or Development was made as the project was unsuccessful in discovery ore.

5. Comment:

The only difficulty encountered was caving ground in the crosscut at the fractured zone causing the Operators to abandon that face and start another crosscut to the vein.

The crosscut was driven about 113 feet to a fault zone and thence turned north as a drift for 10 feet. Much water ran from the shear, and the drift caved. The Operators moved back about 80 feet and started another crosscut to the northwest to intersect the vein. After driving approximately 80 feet, the crosscut was turned northeast since the heading was in the footwall of the vein. This was driven about 72 feet to the vein and the drift followed the structure for 42 feet, completing the contract. Through an error in measuring on the Operators' part, the actual footage was only 336.7 instead of the 350 feet reported. However, since the objective was attained with negative results, the contract was considered to be completed.

The Field Team states: "Neither certification of discovery nor further Government participation in exploration at this property is recommended."

J. W. Alt

J. W. Alt

JWALT/er

Copy to: Docket
Base Metals
Chron.

☒ Audited

☐ Certified

WORK ANALYSIS SHEET - DMEA PROJECT

Analysis as of 1/3/56

Incl. Voucher for ~~Sept.~~ 1955.

☐ Actual Cost

☒ Agreed Unit Costs

Name E.H. SOWERS & STANLEY JOHNSON

Docket No. 3,340

State IDAHO

Commodity LEAD-ZINC.

Idm-E No. 728

OPERATION	AUTHORIZED Units	AUTHORIZED Cost	COMPLETED Units	COMPLETED Cost	NET COST
Drifting & Crosscutting 5'x7'	350' @ 27.00	$9,450.00	336.7'	$9,090.90	$9,090.90
~~Raising~~ Timbering Drifts	~~200'~~ @ ~~5.50~~	1,100.00	~~184'~~	995.50	995.50
Shafts					
Winzes					
Drilling (Specify)					
Surface Excavation					
Underground Excavation					
Roads and Trails					
Operating Equipment Purchased					
Surface Rehabilitation & Repairs					
Underground Rehabilitation					
New Building, Improvements, etc.					
Other (Specify) 32 assays @ 3.50		112.00			
Totals		$10,662.00		$10,086.40	$10,086.40

Recorded

checks audit.

Completed.

Terminal Letter dated, May 4, 1956.

Royalty Paid, Dec 29, 1955 --- $64.04

Operator's Final Report waived

Field Team Final Report received April 27, 1956.

Project Summary Report lacking.

Prepared by W. R. Hugenscheid.

71626

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

RECEIVED
APR 27 1956

April 19, 1956

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

Re: Docket No. DMEA-3340 (Lead-Zinc)
E. H. Sowers and Stanley G. Johnson
partners
Red Leaf Group
Blaine County, Idaho
Contract No. Idm-E728

Dear Mr. Selfridge:

Enclosed are four copies of a Field Team final report written by John D. Bardill, Metallurgist, Bureau of Mines, and Donald C. Alvord, Geologist, Geological Survey, on the Red Leaf group of mining claims.

The authors state that neither a certification of discovery nor further Government participation in exploration at this property is recommended.

By Field Team, Region I, NW District

Wing G. Agnew, Acting Exec. Officer
U. S. Bureau of Mines

Verne C. Fryklund, Jr., Acting Member
U. S. Geological Survey

Enclosures
cc: USBM(2)
USGS(SRO)
Alvord

Reviewed by
DMEA OPERATING COMMITTEE
4-30-56
(date)

RECEIVED
APR 27 1956

DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

FIELD TEAM, REGION I
Northwest District

FINAL REPORT

Contract No. Idm-E728

by

John D. Bardill
Metallurgist
U. S. Bureau of Mines

Donald C. Alvord
Geologist
U. S. Geological Survey

FINAL
F.T. RPT.

E. H. SOWERS and STANLEY G. JOHNSON
(partners)
Hailey, Idaho

Docket No.:	DMEA 3340
Commodity:	Lead-zinc
Contract date:	October 19, 1954
Completion date:	September 29, 1955

RED LEAF GROUP
Mineral Hill Mining District
Blaine County, Idaho

Reviewed by
DMEA OPERATING COMMITTEE
4-30-56
(date)

Spokane, Washington

April 1956

CONTENTS

	Page
INTRODUCTION	1
Summary and Recommendations	1
LOCATION AND ACCESSIBILITY	1
PROPERTY	2
GEOLOGY	2
THE PROJECT	3
Summary of Factual Data	5
Discussion of Conclusions	5

ILLUSTRATIONS

Figure 1. Level Map of the Red Leaf Group, Sowers and Johnson, Blaine County, Montana — In pocket

2. Underground Geologic Map, Red Leaf Group, Sowers and Johnson, Blaine County, Montana — In pocket

FINAL REPORT

E. H. SOWERS and STANLEY G. JOHNSON
(partners)
Red Leaf Group
Mineral Hill Mining District
Blaine County, Idaho

Contract No. Idm-E728

* * * * * * * * * * *

INTRODUCTION

This report describes a project conducted jointly by E. H. Sowers and Stanley G. Johnson, partners, and the Defense Minerals Exploration Administration to prospect for lead and zinc at the Red Leaf group of mining claims in Blaine County, Idaho.

Summary and Recommendations

Approximately 337 feet of crosscut and drifts were driven to and on the vein structure without encountering significant amounts of lead or zinc minerals.

Neither certification of discovery nor further Government participation in exploration at this property is recommended.

LOCATION AND ACCESSIBILITY

The Red Leaf claims are in sec. 24, T. 3 N., R. 17 E., in the Mineral Hill Mining District, Blaine County, Idaho. They may be reached by driving north from Hailey about 2½ miles on U. S. Highway 93, then turning west on Deer Creek road for approximately 3 miles to within about 200 yards of Clarendon Hot Springs. A rough road up the gulch to the right leads to the claims about half a mile distant.

The main highway and Deer Creek road are maintained by the state and county. Snow removal on the access road to the mine is the responsibility of the Operators.

The claims are near the top of the hill, which is almost barren of timber. The climate is characterized by heavy snowfall and freezing temperatures during winters with mild and dry summers.

PROPERTY

The property included in the contract consists of four unpatented lode mining claims. The claims are recorded at the courthouse at Hailey, Blaine County, Idaho, as follows:

Name	Book	Page
Red Leaf	102	554
Red Leaf No. 2	131	61
Red Leaf No. 4	156	259
Red Leaf No. 5	130	357

The Operators claim the mineral rights in the land by right of location.

The mine workings consist of five adit drifts, totaling 550 feet, that explore the shear zone between the 980 and 1055 levels. There is one small stope between the 1000 and 1014 levels that has been mined sporadically.

The shear zone is explored on the 889 level by 697 feet of crosscutting and drifting of which 337 feet were done under the contract.

The ground stands unsupported except near portals and faults.

Plant facilities at the mine consist of two sheds, mine cars, portable compressor, mucking machine, drills, and small tools.

GEOLOGY

The general geology of the Mineral Hill Mining District is described by J. B. Umpleby, L. G. Westgate, and C. P. Ross in U. S. Geol. Survey Bull. 814, 1930: Geology and Ore Deposits of the Wood River Region, Idaho.

The Mineral Hill district is underlain by sedimentary beds of the Mississippian Milligen formation and of the Pennsylvanian Wood River formation. Small to moderately large plutons of granitic rock with accompanying pegmatites and aplites intruded these sediments, probably during Upper Cretaceous time. A few andesitic and dacitic dikes cut the granitic masses during early Tertiary time and were closely followed by lamprophyric dikes frequently found along and across ore zones. Tuffaceous volcanics of Tertiary age cover portions of the central and northern part of the district.

The ore deposits of the district, which include both lead-silver and gold deposits, are along northwest-striking shear zones

that cut both the Milligen-Wood River sediments and the granitic plutons. The veins are principally replacement bodies. The chief vein minerals are argentiferous galena (predominant), sphalerite, tetrahedrite, pyrite, siderite, and quartz.

The Red Leaf property is in the extreme northeastern part of the Mineral Hill district about a mile northwest of a large elongate northwest-trending pluton of quartz monzonite. The property is underlain by beds that have been mapped as part of the Wood River formation; they strike northwestward and dip about 45° northward. The black argillite that forms the footwall of the shear zone, however, could well be a part of the Milligen formation.

The exploration target zone was a strong shear zone that strikes northwestward more or less with the beds and dips from 65° to 75° northward (fig. 2). The zone apparently flattens to about a 50° dip from the 1000 level drift up. The hanging wall of this shear zone is a thin-bedded, black, carbonaceous argillite; the footwall is dominantly a light-gray to buff-colored blocky, siliceous argillite or quartzite. The carbonaceous argillite is siliceous in places; locally it may grade into argillaceous limestone.

Ore occurs on the 1000 level over a length of 160 feet as lenticular masses within the carbonaceous shale along the principal strand of the shear zone. Postmineral faulting has ground the ore minerals and the shale. Galena and sphalerite are the principal ore minerals; these are in part oxidized and occur with a gangue of pyrite, carbonates, quartz, and fragments of country rock.

Four small pockets of ore occurred in and near the old upper workings. The first lens occurred about 50 feet north of the portal of the 980 level where 4½ short tons of material assaying 0.043 ounce of gold per ton, 212.4 ounces of silver per ton, 1.25 percent copper, 53.5 percent lead, and 10.1 percent zinc were produced from a small open pit. A second lens about 1 foot wide and 20 feet long occurs at the portal. Another lens about 30 feet south of the portal was about 6 inches wide and 20 feet long and yielded 16 sacks of ore. This ore was selectively mined from the east wall of the drift and was combined with ore produced from the stope, 100 feet south of the portal of the 1000 level, to produce a shipment of 6.18 tons of hand-sorted material assaying 74.2 ounces of silver per ton, 0.02 ounce of gold per ton, and 25.0 percent lead. The presumed extension of the ore lens in the stope is exposed on the 1414 level, where it is also about 20 feet long.

THE PROJECT

Geologic justification of the project was the presence of a moderately large shear zone that contained pockets of lead-silver-zinc ore. There was a possibility that the ore lenses exposed in the upper workings might widen at depth to form minable ore shoots.

The Operators' original proposal included 200 hours of bulldozing and 600 feet of drifting and crosscutting from the lower crosscut.

The examining team recommended to the Field Team a project allowing 350 feet of crosscutting and drifting from the lower crosscut to prospect the structure.

A contract was approved October 19, 1954, for 350 feet of drifting and/or crosscutting at a fixed unit cost of $27.00 per foot, 200 feet of timbering at $5.50 per foot, and 32 assays at $3.50 per assay for a total of $10,662.00. Government's participation at 50 percent was $5,331.00.

Project work was started October 26, 1954.

The crosscut was driven about 133 feet to a fault zone and thence turned north as a drift for 10 feet. Much water ran from the shear, and the drift caved. The Operators moved back about 80 feet and started another crosscut to the northwest to intersect the vein. After driving approximately 80 feet, the crosscut was turned northeast since this heading was in the footwall of the vein. This was driven about 72 feet to the vein and then a drift followed the structure for 42 feet, completing the contract. Through an error in measuring on the Operators' part, the actual footage was only 336.7 instead of the 350 feet reported. However, since the objective was attained with negative results, the contract was considered to have been completed on September 29, 1955.

The DMEA crosscut (fig. 2) penetrated about 125 feet of black argillite that dipped for the most part about 60° NE. At 125 feet, the crosscut penetrated a 7- or 8-foot-thick shear zone that was followed northwestward for about 10 feet. According to the Operators the rock in the shear zone is badly crushed and contains broken argillite with much gouge and calcite. The crosscut northwest penetrated in the argillite a shear zone that dips 45° northward and strikes eastward; this correlates with the fault zone found nearer the portal. This fault is believed to have a strike-slip component of about 100 feet with the relative movement of the north side being eastward and offsets the northwesterly trending shear zone that was the objective of the exploration.

On the north side of the fault the crosscut penetrated buff- to olive-colored argillite that in places is badly broken. About 35 feet north of the shear zone the crosscut was turned northeastward to intersect the mineralized shear zone. The argillite was light gray or buff, but near the footwall it was more siliceous. The northwest shear zone was drifted on for about 40 feet with little change in character. It consists of strongly sheared argillite with

minor veinlets of quartz and calcite. Small lenses of gray gouge similar in color and appearance to altered porphyry found in some producing veins of the district were observed. Both the hanging wall and footwall rock contain pyrite as fine veinlets and disseminated crystals. The drift was barren except at the face where hairline veinlets of galena were reported.

Summary of Factual Data

This contract was on a fixed-unit cost basis of $27.00 per foot of drifting and/or crosscutting, $5.50 per foot of timbering, and $3.50 per assay.

Total drift and crosscut footage was 336.7 feet; 181 feet of timbering was done.

Item	Total Cost
(1) Independent contracts	
Drifts and crosscuts	
336.7 feet @ $27.00/ft.	$ 9,090.90
181.0 feet of timbering @ $5.50/ft.	995.50
Total accepted cost	$10,086.40
Total amount of contract	$10,662.00
Government's share at 50 percent	5,331.00
Total amount expended	$10,086.40
Government's participation	5,043.20
Total amount unexpended	$ 575.60
Government's share unexpended	287.80
Royalties received	$ 64.04

Discussion of Conclusions

The only difficulty encountered was caving ground in the crosscut at the fractured zone causing the Operators to abandon that face and start another crosscut to the vein.

Part of the work was done on a subcontract basis.

The northwest shear zone in the DMEA drift is barren and certification of discovery is not recommended.

Further exploration is not warranted.

Attachments 2

Distribution:

DMEA (4)
USBM (5)
USGS(SRO)
Docket
Alvord

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

January 31, 1956

Mr. Stanley G. Johnson
Post Office Box 276
Hailey, Idaho

Re: Docket No. DMEA-3340 (Lead-Zinc)
E. N. Sowers and Stanley G. Johnson, partners
Red Leaf Group
Blaine County, Idaho
Contract No. Idm-8738

Dear Mr. Johnson:

With reference to your letter of January 23, we regret that there may have been a misunderstanding at the time the final inspection was made in September; however, your November voucher was received 30 days after the final audit was submitted and approximately 2 months after the final inspection. The contract is closed and no further reimbursement can be made.

By this time you will have received payment for your other vouchers.

By Field Team, Region I, NW Dist.

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

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

cc: DMEA (2) w/cys incoming
USBM (2)
USBM (AD)
Alvord

January 23, 1956.
Hailey, Idaho.

Field Team. Region I, NW Dist.

Mr. Wing G. Agnew:

Dear Mr. Agnew:

RECEIVED
FEB - 6 1956

This is in reply to your letter of January 12, 1956, and also in regards to the Inspection on Sept. 29, 1955.

At this time I had allready sent in the papers, Vouchers that we had finished our Contract, according to our measurements. On sept. 29, when Mr. Bardill and John West and I Went over footage, WE all agreed at that time that we were 10 feet short.

DMEA

Itold him at that time we would make up the 10 feet, which we did and then some, in the meantime we received no word to discontinue the work and we were still in our time limit, do you think this seems fair.

We have not received any reimbursement on the Monthly Report Vouchers that were sent in before that time, can you please tell us what else to do to bring this to a final settlement on the monthly vouchers.

Sincerely,

Stanley G. Johnson

Stanley G. Johnson
Partner
Red Leaf Mine

RECEIVED

XXXXXXXXXXXXXXXXXX
1201 N. Division Street
Spokane 2, Washington
January 24, 1956

RECEIVED
JAN 30 1956

Mrs. Myrtle Purdy, Certifying Officer
DMEA Field Team, Region I, NW District
1201 N. Division Street
Spokane 2, Washington

Re: Contract No. Idm-E728
Docket No. DMEA-3340
E. H. Sowers and
Stanley G. Johnson

Dear Mrs. Purdy:

Contract objectives were reached with negative results and the contract was considered completed when 336.7 feet of drift had been completed. A final engineering report has not been received from the operator. However, it is felt this could add little to the information we now have in the files and this requirement is hereby waived by the Executive Officer.

A Certification of Discovery or Development will not be recommended.

A Report of Review issued by DMEA Auditor C. A. Turner has been received.

As all contract requirements have been met, it is requested that final settlement of our account with the operator be made.

Sincerely yours,

A. E. Weissenborn, Exec. Officer
DMEA Field Team, Region I
Northwest District

cc: DMEA (2)
USGS (2)

DMEA

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

RECEIVED
JAN 20 1956

Betty

January 16, 1956

Mrs. Myrtle Purdy, Certifying Officer
DMEA Field Team, Region I, NW District
1201 North Division Street
Spokane 2, Washington

Re: Docket No. DMEA-3340 (Lead-zinc)
E. H. Sowers and Stanley G. Johnson,
Partners
Red Leaf Group
Blaine County, Idaho
Contract No. Idm-8723

Dear Mrs. Purdy:

Attached is Check No. 7778 dated January 11, 1956, for $64.04 received from the United States Smelting Refining and Mining Company of Salt Lake City, Utah, which represents the Government's royalty due from a shipment of crude ore, Lot No. 1, from this property in accordance with the attached settlement sheet.

Sincerely yours,

Varne C. Fryklund, Jr.
For: A. E. Weissenborn
Executive Officer, DMEA
Field Team, Region I
Northwest District

Attachments as indicated

cc: Operator
DMEA w/encl.
CPF

ATTACHMENTS REC'D 1-17-56 (DATE)
BY MP
ROYALTY PAID TO DATE 64.04

FORM [illegible] 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING
P. O. BOX 1980 SALT LAKE CITY 10, UTAH

L-15

Salt Lake City, Utah, [illegible] 20, 1955

Purchased From [illegible] H. SCOTT AND STANLEY G. JOHNSON

Pay [illegible] H. SCOTT AND STANLEY G. JOHNSON, P. O. BO 276, WALLACE, IDAHO

Shipping Point: WALLACE, IDAHO

Lot No. 1 Product ORE Mine RED LEAF Gold License No.

Sampled by HOWALE Received 10/16/55 Sampled 10/23/55 Assayed 10/23/55

Metal Quotations—Gold 34.9125 Silver 90.50 Copper, N. Y. 44.000 Lead, N. Y. 15.50 Zinc

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	COPPER %	LEAD %	INSOLUBLE %	IRON %	ZINC %	SULPHUR %	LIME %	Arsenic %	NON-SULPHIDE LEAD %	NON-SULPHIDE ZINC %
U. S. S. R. & M. Co.	.045	212.9	1.25	53.5								
" "	.040	211.9	1.25	53.5								
Umpire				53.5 av.								
Less Non-Sulphides				1.5								
Settlement	.0425	212.4	1.25	52.0	5.8	3.6	10.3	14.0	.2	.15		

CAR NOS.	NET WEIGHT	METAL VALUES			TREATMENT CHARGES		DEBIT		CREDIT	
		Gold	100% @ 31.8183	1 35						
Truck		Silver	95% @ 90.50	182 61	Based on	30 % Lead	9	00		
		Copper		3 46	Variation from	30 % Lead			2	20
		Lead		123 55	Labor					
		Zinc			Insoluble			88		
					Zinc, excess over	6 %	1	23		
					Sul., excess over	2 %	3	00		
					As., excess over	2 %				
					Iron					22
					Lime					
Total Weight										
Containers										
Wet Weight	9220									
Moisture 3.1%	286	Total Metal Value		310 97						
Dry Weight	8934	Less Treatment Charge		11 69	Net Treatment Charge		11	69		

Payment for 4.467 Dry Tons @ 299 26 Per Ton 1336 88

			DEDUCTIONS	
Freight (Value under Per Ton)	Wet Tons @	Per Ton		
Surcharge 15%				
Federal Tax 3%				
Handling Charge			10	00
Assay Charge				
Umpire Charge				
Watching Charge				
Sampling Charge				
Hauling Wet Tons @	16.00 Per Ton	~~allowed before figuring royalty~~		
Federal Tax 3%	(46.10)			
Pay Hauling & Tax to:				
Royalty: 5% of $1280.70			64	04
~~Defense Minerals Exploration Administration~~				
C/O Executive Officer				
DMEA Field Team, Region I,				
South 157 Howard Street				
Spokane, Washington				

Hold

Total Deductions 74 04

Amount Withheld Pending Receipt of Silver Affidavit

Net Payment 1262 84

RECEIVED
JAN 13 1956
U. S. G. S.
SPOKANE, WASH.

E-728

For Certificate of Deposit No. 292, dated January 17, 1956, giving royalty repayment of $64.04, see E-406.

C

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

RECEIVED
JAN 20 1956

January 12, 1956

Mr. Stanley G. Johnson
Post Office Box 276
Hailey, Idaho

Re: Docket No. DMEA-3340 (Lead-Zinc)
E. M. Sowers and Stanley G. Johnson, partners
Red Leaf Group
Blaine County, Idaho
Contract No. Idm-K728

Dear Mr. Johnson:

This is in reply to your letter of November 28, 1955.

Final inspection of the project was made Sept. 29, 1955, by John D. Bardill and John West, Bureau of Mines engineers, in your company. It was decided at that time that the project objectives had been reached at 336.7 feet, although with negative results.

We must inform you that the contract is closed and that no reimbursement can be made for work done since the measurement of September 29, 1955.

By Field Team, Region I, NW Dist.

Wing G. Agnew, Acting Exec. Officer
U. S. Bureau of Mines

Verne C. Fryklund, Jr., Acting Member
U. S. Geological Survey

cc: DMEA (2)
USBM (2)
USBM (AD)
Alvord

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

JAN 11 1956

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

Re: Contract Idm-[illegible]
Docket No. DMEA-3340
Sowers and Johnson

Dear Charlie:

Reference is made to your letter dated December 19, 1955, with which you transmitted copy of Field Team letter of December 15, 1955, to the Operating Committee pertaining to an additional ten feet of drift and crosscut the operator claimed under the referenced project.

Under date of January 6, 1956, the Operating Committee advised Mr. Weinsamborn that he should inform the operator the contract is closed and no reimbursement can be made for the additional ten feet. So far as the Contract Administration and Audit Division is concerned your Report of Review dated November 1, 1955, is considered as final in this case.

Sincerely yours,

(Signed) E. D. Talbert

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

CEFisher/wb
January 10, 1956

Copy to: Docket
Admr. Reading File
Mr. Chambers

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

~~WASHINGTON 25, D.C.~~
1201 N. Division St.
Spokane 2, Washington
December 19, 1955

RECEIVED
DEC 22 1955

Mr. Jay L. Chambers, Chief
Contract Administration and Audit Division
Defense Minerals Exploration Administration
Department of the Interior
Washington 25, D.C.

Re: Contract Idm-E728
Docket No. DMEA-3340
Sowers and Johnson

Dear Mr. Chambers:

Enclosed is copy of a letter from the Field Team to Mr. Selfridge regarding the Sowers and Johnson contract which is self-explanatory.

What is our position in a situation like this?

Yours very truly,

C. A. Turner, Auditor

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
~~WASHINGTON 25, D.C.~~
1201 N. Division St.
Spokane 2, Washington
December 15, 1955

RECEIVED
DEC 28 1955

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

Re: Docket No. DMEA-3340 (lead-zinc)
E. H. Severe and Stanley C. Johnson, Partners
Red Leaf Group
Blaine County, Idaho
Contract No. Idm-5726

Dear Mr. Selfridge:

On September 15 the Operator submitted his August MF-104 showing 350 feet of drift and crosscut and 181 feet of timbering completed.

Mr. John D. Bardill, Bureau of Mines Engineer, made a final inspection on September 29 (see his inspection report dated October 26) and he measured 336.7 feet of drift and crosscut and 181 feet of timbering completed. Mr. Johnson, one of the Operators, was present at this inspection. It was agreed between Mr. Johnson and Mr. Bardill that the main objective of the exploration had been accomplished and that the contract work would be considered as completed at 336.7 feet of drift and crosscut.

Mr. C. A. Turner's Report of Review was accepted on November 1, 1955, based on Mr. Bardill's final inspection report.

We have now received a letter from Mr. Johnson (copies enclosed), claiming he has completed the 10 feet that was short on his August voucher. No MF-104 accompanied his letter.

The Field Team would like to know if Mr. Johnson should be reimbursed for this 10 feet (after another field inspection) or if we should inform him that the contract is already closed and no reimbursement can be made.

By Field Team, Region I, NW District

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

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

cc: USGS (2)
USBM (AD)
Turner

File Copy
Surname
J. all
Grissmer
Talbot
Selfridge
Fosmer
McMendry

500

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

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

JAN 6 1956

Re: Docket No. DMEA-3340 (Lead-Zinc)
E. H. Sowers and Stanley G.
Johnson, Partners
Red Leaf Group
Blaine County, Idaho
Contract No. Ida-2728

Dear Mr. Weissenborn:

This is with reference to your letter dated December 15, 1955, and to the attached copy of a letter from Mr. Johnson, dated November 28, regarding the cited contract.

The final inspection memorandum from John D. Bardill, Bureau of Mines, dated October 26, 1955, states:

"A final inspection was made of this project September 29, accompanied by John West, Bureau of Mines engineer, and Stanley G. Johnson, one of the Operators.

Through an error in measurement the Operator completed only 336.7 feet of the allowed 350.0 feet of drift. Because the objective had been reached with negative results, the work was terminated at this point and the contract considered completed."

In your letter dated December 15, you state:

"It was agreed between Mr. Johnson and Mr. Bardill that the main objective of the exploration had been accomplished and that the contract work would be considered as completed at 336.7 feet of drift and crosscut."

In view of these two statements we feel as though there is no justification for the approval of the ten feet of drifting claimed by Mr. Johnson, and that you should inform him that the contract is closed and that no reimbursement can be made.

Sincerely yours,

George C. Selfridge
Chairman, Operating Committee (24B)

APPROVED:

/s/ Robert W. Geehan (24B)
Member, Bureau of Mines

Thor H. Kiilsgaard (24B)
Member, Geological Survey

JWAlt/bjl (1/5/56)

Copy to: Docket
Admr. R. File
Op. Committee
Base Metals
Mr. Bishop
Mr. Kiilsgaard
Mr. Chambers
Chron.

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

1201 N. Division St.
Spokane 2, Washington
December 15, 1955

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

Re: Docket No. DMEA-3340 (lead-zinc)
E. H. Sowers and Stanley G. Johnson, Partners
Red Leaf Group
Blaine County, Idaho
Contract No. Idm-E728

Dear Mr. Selfridge:

On September 15 the Operator submitted his August MF-104 showing 350 feet of drift and crosscut and 181 feet of timbering completed.

Mr. John D. Bardill, Bureau of Mines Engineer, made a final inspection on September 29 (see his inspection report dated October 26) and he measured 336.7 feet of drift and crosscut and 181 feet of timbering completed. Mr. Johnson, one of the Operators, was present at this inspection. It was agreed between Mr. Johnson and Mr. Bardill that the main objective of the exploration had been accomplished and that the contract work would be considered as completed at 336.7 feet of drift and crosscut.

Mr. C. A. Turner's Report of Review was accepted on November 1, 1955, based on Mr. Bardill's final inspection report.

We have now received a letter from Mr. Johnson (copies enclosed), claiming he has completed the 10 feet that was short on his August voucher. No MF-104 accompanied his letter.

The Field Team would like to know if Mr. Johnson should be reimbursed for this 10 feet (after another field inspection) or if we should inform him that the contract is already closed and no reimbursement can be made.

By Field Team, Region I, NW District

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

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

cc: USGS (2)
USBM (AD)
Turner

Hailey, Idaho.

Nov. 28 1955.

DMEA Field Team, Region II
1201 N. Division St.
Spokane 2 Washington.

Dear Sirs:

We have now completed the ten feet that we were short on the last operators monthly report and Voucher after Field Men taped it off last time.

This ten feet was continued on the Vein which looks about the same as last report. Small showing of lead in the footwall, no change in formation.

This should complete our DMEA Contract.

Sincerely,

Box 276
Hailey, Idaho.

Docket No. DMEA 3340
Commodity Lead Zinc
Contract No. Idme 728

Copy to Henry
Must have another field
inspection 12

File Copy
urname
J. Alt
Geehan
Kulsgaard
Selfridge
F. Johnson

UNITED STATES
DEPARTMENT OF THE INTERIOR 500
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C.

DEC - 2 1955

Mr. Stanley G. Johnson
Post Office Box 276
Hailey, Idaho

Re: Docket No. DMEA-3340 (Lead-Zinc)
E. H. Sewers and Stanley G. Johnson,
Partners
Red Leaf Group
Blaine County, Idaho
Contract No. Idm-E728

Dear Mr. Johnson:

Your application for additional aid for an exploration project on the cited property and other reports available to us in Washington concerning the subject property have been reviewed.

We have likewise made a complete review of the work which has been done under the cited contract.

The results obtained, although showing a small amount of zinc mineralization, do not indicate a probability of disclosing ore reserves of sufficient quantity and grade to justify further Government participation. We regret to advise you, under these circumstances, that your application for additional exploration is denied.

We wish to thank you for your interest in the Defense Minerals Program and for bringing your property to our attention.

Sincerely yours,

C. G. Mittenderf
Administrator

JWAlt/er 11/30/55
Copy to: Docket
Admr R File
Op. Committee
Base Metals
Mr. Bishop, USBM
Mr. Miilsgaard, USGS
Chron.
Region I, NW Dist. (2)

UNITED STATES
DEPARTMENT OF THE INTERIOR 500
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C.

December 1, 1955

To: The Administrator

From: Chief, Base Metals Division

Subject: Denial of Application to do additional work for Contract No. Idm-E728, Docket No. DMEA-3340 (Lead-Zinc), E. H. Sowers and Stanley G. Johnson, partnership, Red Leaf Group, Blaine County, Idaho

The Operators for the cited property have applied for an amendment to do additional work on the cited property. They would like to do 150 or 200 feet of drifting to continue the present drift on the vein and would like an allowance for timbering of the drift. Their estimated cost is $30.00 per foot.

The contract allowed 350 feet of drifting and crosscutting at $27.00 per foot, 200 feet of timbering at $5.50 per foot and 32 assays at $3.50 per assay. The estimated total cost ofthe project is $10,662.00, with Government's participation $5,331.00.

Drifting and crosscutting in the amount of 336.7 feet was completed. The objective had been reached with negative results and the work was terminated at this point and the contract considered completed.

The memorandum from John D. Bardill, Bureau of Mines, dated, October 26, 1955, states that a certification of discovery will not be recommended.

A. E. Weissenborn, Executive Officer, Region I, Northwest District states: "It is the opinion of the field men that further work at this property would be completely unjustified. Mr. Fryklund and Mr. Kiilsgaard visited the property in September and could find no ore sulfides in the DMEA drift. Their impression is confirmed by a 5½-foot wide sample of the present face that assayed 0.2 ounce of silver per ton, no lead, and 0.8 percent zinc."

We concur with the recommendations of the Field Team and the Commodity members of the USGS and the USBM that this application to do additional work be denied.

for J. W. Ad
W. R. Griswold

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
WASHINGTON 25, D. C.

November 21, 1955

Re: Docket No. DMEA-3340;
Lead, Zinc - $6,000
Sowers and Johnson
Red Leaf Group
Blaine County, Idaho
Contract No. Idm E-728

Memorandum

To: W. R. Griswold, DMEA

From: O. M. Bishop, Branch of Base Metals

Subject: Review of Letter Application of September 10, 1955, asking Additional Assistance - Received November 9, 1955.

Contract Idm-E-728 provided for 350 feet of crosscutting and drifting to explore a lead-silver vein on the 889-level below the 1,000-foot level which had a small occurrence of fair lead-silver-zinc ore. This work has been completed without the discovery of any appreciable quantity of mineralization, but the applicant claims that the last 16 feet of drifting revealed "some lead, the first found in this tunnel, also have a good stream of water.....in the last two rounds." The field examiners who examined the recent work could find no sulfides present and a 5½-foot sample across the face showed no lead, and but 0.2 oz. of silver per ton with 0.8 percent zinc.

Because of the very poor showings throughout the exploration, the field examiners and field team conclude no further work is justified. I concur in this opinion and recommend that the request for an additional 150 to 200 feet of drifting be denied.

O. M. Bishop

O. M. Bishop
Branch of Base Metals

Copy to - Division of Minerals
Mr. Kilsgaard, Room 5222
Mr. Geehan, Room 3608
O. M. Bishop
Files

IN REPLY REFER TO:
G-MD-CNM

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WASHINGTON 25, D. C.

November 14, 1955

Re: DMEA 3340 Idm-E-728
Sowers and Johnson
Red Leaf Group
Blaine County, Idaho
$4,500-$6,000 - Lead-Zinc

Memorandum

To: W. R. Griswold, Defense Minerals Exploration Administration

From: N. E. Nelson, U. S. Geological Survey

Subject: Review of application for additional assistance.

The work approved under this contract was laid out to explore, at additional depth, by crosscutting and drifting a well defined fault zone, from which, in the upper level, a small tonnage of lead-zinc-silver ore had been shipped. 350 feet of work was approved, the target being a vein with better base metal-silver mineralization. 336.7 feet of the work was completed, of which about 80 feet is drift-crosscut and presumedly the remainder 256.7 feet is drift.

If the interpretation is correct the drifting has been carried well beyond any probable downward extension of the small ore showings of the upper leval. No worthwhile mineralization was found.

The examiners conclude that further work is not justified, though no report to that effect has yet been written.

I concur with the opinion and the recommendation of the Field Team that the application for additional assistance be denied.

N. E. Nelson

N. E. Nelson

RECEIVED
NOV 21 1955

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

RECEIVED
NOV 7 1955

October 31, 1955

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

Re: Docket No. DMEA-3340 (zinc-lead)
Sowers and Johnson
Red Leaf Group
Blaine County, Idaho
Contract No. Idm-E728

Dear Mr. Selfridge:

Enclosed are two copies of a request by Mr. Stanley Johnson for additional work at the Sowers and Johnson property.

It is the opinion of the field men that further work at this property would be completely unjustified. Mr. Fryklund and Mr. Kiilsgaard visited the property in September and could find no ore sulfides in the DMEA drift. Their impression is confirmed by a $5\frac{1}{2}$-foot wide sample of the present face that assayed 0.2 ounce of silver per ton, no lead, and 0.8 percent zinc.

Mr. Quinlan has completely remapped the property for the final report on the project but the report, except for the map accompanying it, will not be ready for several weeks.

We recommend that the Operator's request be denied.

By Field Team, Region I, NW Dist.

A. E. Weissenborn

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

Wing G. Agnew

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

cc: USBM (2)
USBM (AD)
Quinlan

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

October 27, 1955

Mr. Stanley G. Johnson
P. O. Box 276
Bailey, Idaho

Re: Docket No. DMEA-3340 (lead-zinc)
Sowers and Johnson
Bad Leaf Group
Blaine County, Idaho
Contract No. Idm-2788

Dear Mr. Johnson:

We regret that your letter of September 10, 1955, has just come to our attention. We will transmit your request to Washington for consideration. Project work to date, however, does not seem to justify further expenditure on the vein.

By Field Team, Region I, NW Dist.

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

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

cc: DMEA (2)
USGS (2)
USBM (AB)
Quinlan

10 September 1955
Hailey, Idaho

RECEIVED
NOV - 7 1955

DMEA Field Team
1201 North Division St.
Spokane 2, Washington

Dear Sirs:

We have finished the contract of 350 feet that was alloted us on Contract No Idm E 728. Thirty (30) feet of this last forty six (46) feet was about same as last report. On the last sixteen (16) feet encountered some lead, the first found in this tunnel, also have a good stream of water running from the face, on the last two rounds.

Vein seems to be breaking up, has lots of iron and greenish stain, most of the vein is real black with grayish mud seams.

Would like to request an additional 150 or 200 feet to continue drifting on the vein, also allowance for timbering the additional footage, as timbering is necessary in this ground. Would you please furnish us with necessary information and papers for securing the additional footage. At price increase to $30.00 ft.

Sincerely,

STANLEY G. JOHNSON
P.O. Box 276
Hailey, Idaho

We would like to have the unit price increased to $30.00 per ft. to take care of our added expense.

Have a longer tram now and are getting in so far that our present compressor is inadequate, Will have to rent a larger one to handle this job now.

RECEIVED
NOV 7 1955
SPOKANE

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

Defense Minerals Administration
RECEIVED
NOV 8 - 1954

November 5, 1954

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

Re: Docket No. DMEA-3340 (lead-zinc)
E. H. Sowers and Stanley G. Johnson, partners
Red Leaf Group
Blaine County, Idaho

Dear Mr. Selfridge:

Enclosed are the original and two signed copies of Contract No. Idm-E728.

Distribution of this contract is being made in the usual manner.

Sincerely yours,

A. E. Weissenborn

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

Enclosures

cc: Finance Office w/encl.
USBM (2)
Nickelson

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

RECEIVED
NOV - 7 1955

1201 N. Division St.
Spokane 2, Washington
October 26, 1955

MEMORANDUM

To: DMEA Field Team, Region I, Northwest District

From: John D. Bardill, Bureau of Mines

Subject: Final inspection, Docket No. DMEA-3340 (lead-zinc), Red Leaf Group, Sowers and Johnson, Blaine County, Idaho, Contract No. Idm-E728

A final inspection was made of this project September 29, accompanied by John West, Bureau of Mines engineer, and Stanley G. Johnson, one of the Operators.

Through an error in measurement the Operator completed only 336.7 feet of the allowed 350.0 feet of drift. Because the objective had been reached with negative results, the work was terminated at this point and the contract considered completed.

The structure exposed in the face of the drift consisted of crushed argillite, gouge and sparse pyrite mineralization.

The following measurements were made:

Start of contract at BM 434
BM 435 is brass tag on track tie at intersection of drift and crosscut
BM 436 is brass tag in cap
BM 437 is brass tag on post on left side
BM 438 is brass tag in center of cap

BM 434 - BM 435	S. 78° W.	52.0 ft.
BM 435 - bulkhead	S. 75° W.	51.0 "
BM 435 - BM 436	N. 35° W.	84.9 "
BM 436 - BM 437	N. 12° E.	52.4 "
BM 437 - BM 438	N. 36° E.	23.7 "
BM 438 - face	N. 15° W.	42.2 "

Allowable drift and crosscut footages:

BM 434 - BM 435	52.0 ft.
BM 435 - BM 436	84.9 "
Plus 2 feet for curve	2.0 "
BM 436 - BM 437	52.4 "
BM 437 - BM 438	23.7 "
BM 438 - face	42.2 "
Plus 82 feet in ground now caved	82.0 "
	339.2 "
Less 1/2 width of drift	2.5 "
Net drifting and crosscut	336.7 ft.

Timber:

Between BM 435 and BM 436	86 ft.
Between BM 435 and bulkhead	41 "
Between BM 437 and face	45 "
Behind bulkhead	9 "
Net footage timbered	181 ft.

A certification of discovery will not be recommended.

The Field Team final report is being prepared.

John D. Bardill

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

RECEIVED
OCT 10 1955

August 30, 1955

Memorandum

To: DMEA Field Team, Region I, Northwest District

From: James J. Quinlan and Donald C. Alvord, geologists, U. S. Geological Survey

Subject: Interim Inspection, Docket No. DMEA-3340 (lead-zinc), Sowers and Johnson, Red Leaf Group, Blaine County, Idaho, Contract No. Idm-E728.

The Red Leaf property was inspected on the evening of August 13 and on August 15, 1955.

Since Mr. Nickelson's inspection of April 20, 1955, 72 feet of crosscut to the vein and 21 feet of drift north along the vein had been completed in the lower adit. Thus, 287 feet of the 350 feet of drifting and crosscutting authorized in the contract has been completed. The geology of the new work was mapped (see attached map). In addition, 3 other adits in and near the vein-fault and some of the surface detail were mapped.

The structure exposed in the new DMEA drift is an exceptionally strong shear or fault, but it contains no ore minerals. It is no different than the vein-fault exposed in most of the other workings on the property.

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

W

Contract Idm-E728
Sowers & Johnson

RECEIVED
AUG 29 1955

COPY

DMEA Field Team
1201 N. Division St.
Spokane, Wash.

Dear Sirs:

Due to other comittments we were unable to continue on with contract in July.

Work has been resumed and we expect to complete contract this month.

Sincerely,

Stanley G. Johnson, Partner

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
~~WASHINGTON 25, D.C.~~
1201 North Division Street
Spokane 2, Washington
August 19, 1955

RECEIVED
SEP - 1 1955

MEMORANDUM

To: DMEA Field Team, Region I, NW District

From: John D. Bardill, Bureau of Mines

Subject: Routine inspection report, Docket No. DMEA-3340 (lead-zinc), Sowers & Johnson, Blaine County, Idaho, Contract No. Idm-E728

This project was inspected alone on August 8, 1955.

The crosscut was advanced 34 feet to the vein since the last inspection. A drift bearing almost due north had been started on the vein and had been driven about 11 feet. The vein is about 40 inches wide striking about N 20° W and dipping about 40° to the northeast, and was devoid of lead or zinc mineralization.

Approximately 45 feet remained to complete the 350 feet of contract drifting and crosscutting.

Mr. Johnson later informed me that one shift was working at night.

John D. Bardill

John D. Bardill

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

File Copy
Surname

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

AUG 1954

T E L E T Y P E

JWAlt/bjl, Rm. 4058, Ext. 3669

Base Metals, DMEA, Interior

14X4401(01) Revolving Fund, Defense Production Act, Interior (allocated Working Fund to the Office of the Secy.

Date:

To: A. W. Weissenborn, Executive Officer, DMEA Field Team, Region II, Spokane, Wash.

Please advise regarding status of applications DMEA-3326, J. P. Davies and Son; DMEA-3380, F. W. Towers and Stanley G. Johnson; DMEA-3385 Elkhorn Consolidated, Inc.

George C. Selfridge
Chairman, Operating Committee

(written 8/6/54)

Copy to: Docket (3)
Admr. R. File
Op. Committee
Base Metals (3)
Mr. Gildersleeve
Mr. Bishop
Chron.

COPY

TELETYPE

WA SP 150 L-GS-G

Pending

SPOKANE WASH 8-9-54 425P

MR. GEORGE C. SELFRIDGE,

CHAIRMAIN OPER TING COMMITTEE DMEA DEPARTMENT OF INTERIOR WA 25

REURTEL OF AUGUST 6, DMEA 3326, 3340, AND 3385 APPLICATIONS. GEOLOGIC APPRAISALS IN PREPARATION. MEN HANDLING THESE APPLICATIONS IN FIELD AT PRESENT.

JOHN S. VHAY ACTING MEMBER DMEA FIELD TEAM REGION 2

6 3326 3340 3385

VA 425P

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
~~WASHINGTON 25, D.C.~~
1201 N. Division St.
Spokane 2, Washington
June 16, 1955

RECEIVED
JUL 1 1955

MEMORANDUM

To: DMEA Field Team, Region I, Northwest District

From: A. L. Service, Mining Engineer, Bureau of Mines

Subject: Interim inspection, Docket No. DMEA 3340 (lead-zinc), Red Leaf Group, Sowers and Johnson, Blaine County, Idaho, Contract No. Idm-E728

The Sowers and Johnson property was inspected on June 8. There was no one on the project at that time.

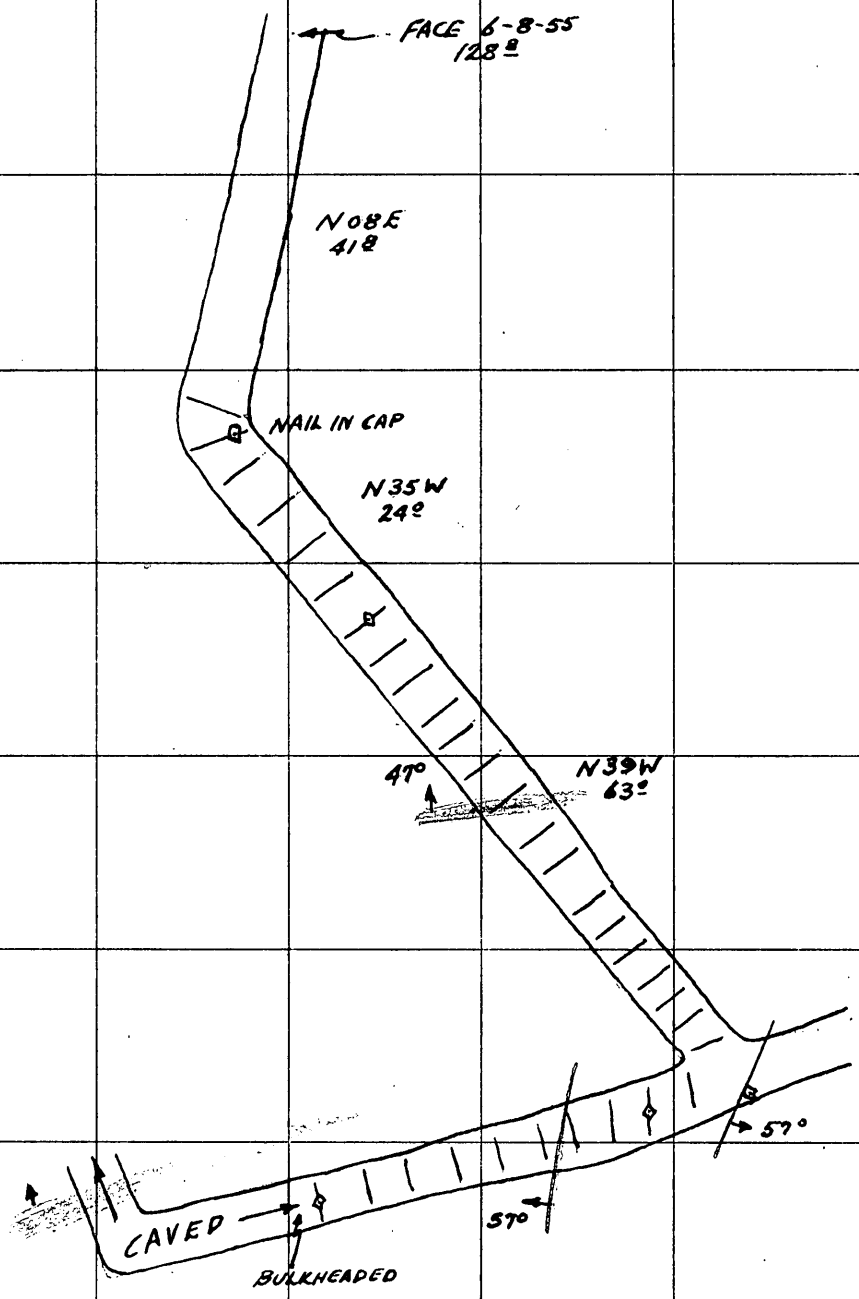
Since the last inspection on April 5, the project drift was advanced 60.8 feet through a dark limey argillite with calcite seams. There is still no evidence of any vein material in the drift. The heading has been turned to a N. 8° E. bearing in order to get a better intersection with the vein projection. There have been no timbers used in the last 40 feet of drift.

The total contract units completed to June 8 are:

	Authorized	Completed
Drift and crosscut	350 feet	242.8 feet
Timber	200 "	144 "
Assays	32	none

A. L. Service

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



SOWERS and JOHNSON
BLAINE COUNTY, IDAHO
CONTRACT Idm E 728
Scale 1" = 20'

A.L.S.

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

May 3, 1955

Memorandum

To: DMEA Field Team, Region I, Northwest District

From: Howard B. Nickelson, Geologist, U. S. Geological Survey

Subject: Docket No. DMEA-3340 (lead-zinc), Interim Inspection, Sowers and Johnson, Red Leaf Group, Blaine County, Idaho, Contract No. Idm-E728.

The property was visited on April 20, 1954. Stan Johnson accompanied the examiner. The geology was mapped on the lower level, and it is shown on the attached map.

The exploration allowed in the contract consisted of 350 feet of crosscutting and drifting to explore a lead-silver vein which had been exposed in an upper level.

It was estimated 30 feet of additional crosscutting would intersect the vein when the project began, but the crosscut was advanced 123 feet without intersecting the vein. At 123 feet a fault was intersected which was drifted on for approximately 10 feet when the drift caved. Considerable water and loose ground were responsible for the caving. The Operator bulkheaded the crosscut and dropped back approximately 70 feet and started another crosscut to the northwest to get under the vein in the upper level. This crosscut intercepted the same fault at 35 feet which strikes approximately S. 52° W. and dips 50° NW. All of the rock in the lower level has been a black carbonaceous argillite, whereas east of the fault the rock is a gray blocky argillite. This gray argillite was recognized as being the same as the footwall rock in the upper level.

The face of the crosscut is now in the footwall of the vein, and Mr. Johnson was advised to turn the crosscut to the northeast at a right angle to the northwest crosscut. This proposed crosscut should intersect the vein within 50 feet. Approximately 156 feet of crosscutting and drifting remains in the contract.

The Operator dug a trench on the vein approximately 35 feet northwest of the upper level portal and uncovered a lens of galena approximately 18 inches wide. This exposure has been uncovered for approximately 12 feet. Mr. Johnson believes this ore will net him about $200.00 per ton and plans to mine several truck loads.

Attachment - 1
Distribution:
DMEA (orig. & 3)
USBM (2)
USBM(AD)
Docket
Nickelson

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

1201 N. Division St.
Spokane 2, Washington
April 18, 1955

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAY 12 1955

MEMORANDUM

To: DMEA Field Team, Region I, NW District

From: A. L. Service, Mining Engineer, Bureau of Mines

Subject: Interim inspection, Docket No. DMEA 3340 (lead-zinc), Red Leaf Group, Sowers and Johnson, Blaine County, Idaho, Contract No. Idm-E728

An inspection was made on the Sowers and Johnson Red Leaf property on April 4 and 5. Mr. Johnson and Mr. Sowers were present during the visit on April 5.

The north drift has been advanced about 43 feet since the last visit. The face is still in a badly fractured zone of argillaceous material with some calcite deposited in the fractures. There is considerable water draining and most of it is apparently coming through from the upper level. The drift is timbered over the entire length of 63 feet.

The total contract units completed to April 5 are:

	Authorized	Completed
Drifts and crosscuts	350 feet	182 feet
Timber	200 "	121 "
Assays	32	

Progress on the project is as good as could be expected for a two-man operation.

The access roads are in very good condition and are passable to within 100 feet of the portal.

A. L. Service

A. L. Service

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

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

1201 N. Division St.
Spokane 2, Washington
March 16, 1955

MEMORANDUM

To: DMEA Field Team, Region I

From: A. L. Service, Mining Engineer, Bureau of Mines

Subject: Interim inspection, Docket No. DMEA 3340 (lead-zinc), Sowers and Johnson, Red Leaf Group, Blaine County, Idaho, Contract No. Idm-E728

The property was visited on March 7 with Mr. Stan Johnson and Mr. Sowers, the Operators.

Mr. Johnson said that the project crosscut had advanced about 18 feet since the last inspection. They hit a badly brecciated fault zone and drifted on it to the north for about 10 feet. A considerable volume of water was running and the drift and crosscut caved. At the time of the inspection about 20 feet of crosscut and the short drift were completely filled with rock. The water was still running and a bulkhead had to be built to keep the muck from coming back into the crosscut. Mr. Johnson said that the upper level had stopped draining so apparently a good part of the water was coming through from above.

It is possible that the crushed and caved area is a fault contact of the same structure drifted on in the upper level. According to Mr. Johnson, the fault is striking southwest and would intersect the projection of the vein from the level above.

Failing to get through the caved area, the Operators dropped back about 70 feet and started a heading to the northwest. On March 7 they were in 20 feet and planned to turn toward the west after another two or three rounds. The face was still badly broken up and several small fissures were making considerable water. The rock primarily is broken argillite with gouge and calcite.

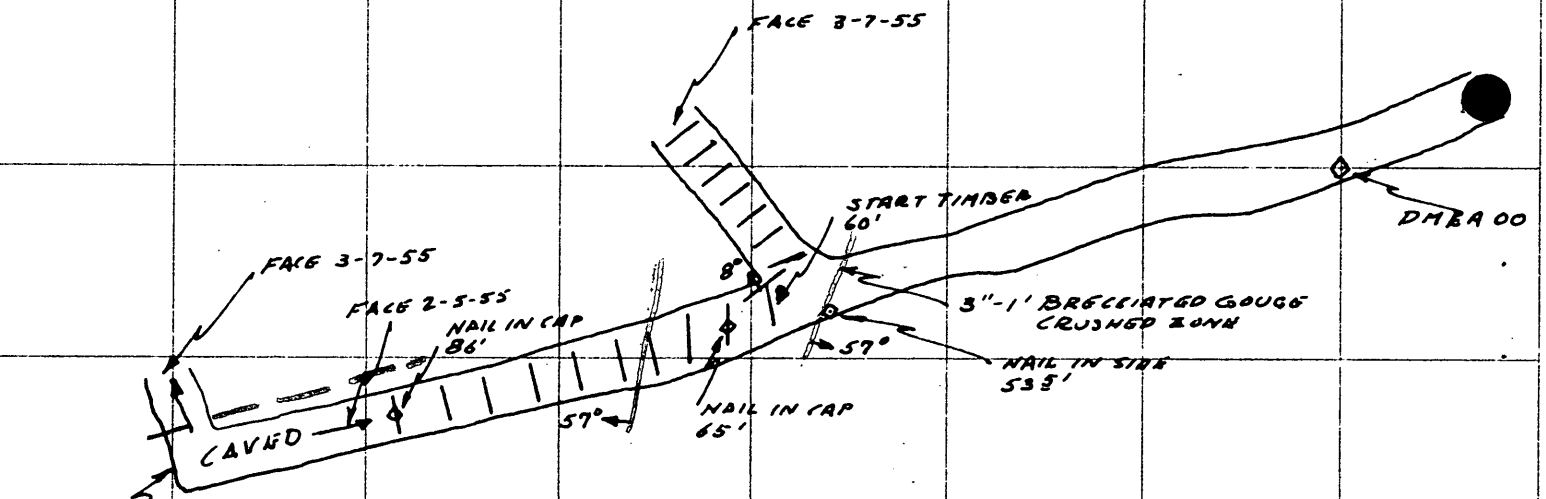
The Project workmanship has been good until now but there is some question as to the Operators' ability to cope with heavy ground.

Total contract units completed to March 7 are:

Crosscutting	129 feet
Drifting	10 "
Timber	84 "

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

A. L. Service



SOWERS AND JOHNSON
BLAIN COUNTY, IDAHO
CONTRACT IDM E 728
SCALE 1" = 20'
MARCH 1955

"ALBANENE" NO. 1204 K&E CO., N.Y.
REG. U.S. PAT. OFF.

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

1201 N. Division St.
Spokane 2, Washington
February 10, 1955

MEMORANDUM

To: DMEA Field Team, Region I

From: A. L. Service, mining engineer, Bureau of Mines

Subject: Interim inspection, Docket No. DMEA 3340 (lead-zinc), Sowers and Johnson, Blaine County, Idaho, Red Leaf Group, Contract Idm-E728

The property was inspected on February 5, 1955 with Mr. Stan Johnson, one of the Operators. Two miners were working in the DMEA drift.

Progress for the last month was good with 42 feet driven and timbered. The crosscut is still in badly fractured argillite with calcite. The face seems to be a little harder, but the back is soft and caves readily. The face is making considerable water.

The upper crosscut which cut the vein is apparently in the same formation as the DMEA drift. The exposed footwall of the vein is a badly fractured argillite with calcite and quartz. There have been minor quantities of quartz exposed in the DMEA crosscut. The present formations would indicate that the vein is still ahead.

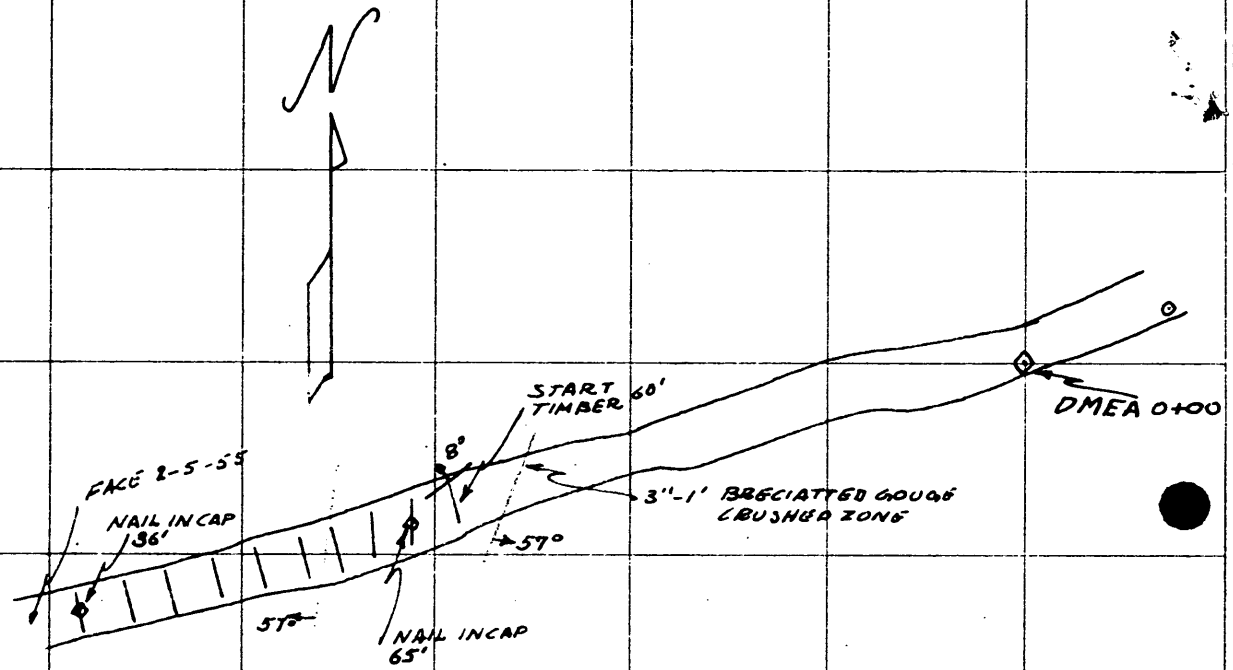
The workmanship on the project has been good. Access roads are in good condition due to the lack of snow in the area.

Total contract units completed to the date of inspection are:

Crosscutting	116 feet
Timber	41 "

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

A. L. Service
A. L. Service



SOWERS AND JOHNSON
DMEA 3340 LEAD-ZINC
IDM-E 728
BLAINE COUNTY, IDAHO
1" = 20'

"ALBANENE" NO. 1500 N K&E CO., N.Y.
REG. U.S. PAT. OFF.

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

1201 N. Division Street
Spokane 2, Washington
January 14, 1955

MEMORANDUM

To: DMEA Field Team, Region I

From: A. L. Service, Mining Engineer, Bureau of Mines

Subject: Routine Inspection, Docket No. DMEA 3340 (lead and zinc), Sowers and Johnson, Blaine County, Idaho, Contract No. Idm-E728

The subject property was inspected on January 10, 1955 accompanied by H. B. Nickelson, geologist, Geological Survey. Both Mr. Sowers and Mr. Johnson were present during the inspection.

The drift has advanced 53 feet since the last inspection; the total advance is 73 feet. The drift is being kept to a minimum cross section of 5' x 7'. Timbering started at 60 feet and there have been 3 sets placed. The face is badly brecciated and the fractures are filled with calcite. The brecciation and fracturing extends the entire distance between the DMEA starting point and the face.

The face is making water steadily and the operators are having some trouble with freezing near the portal. It was suggested that they dig up their drainage pipe, clean it out, and replace it at a deeper depth to try and prevent future freezing.

Progress has improved since the last inspection, because the operators have been able to devote their full time to the project. The work is being carried out in a workman like manner.

The access road was in good condition.

Total contract units completed to date are:

Drifting and crosscutting	73 feet
Timbering	10 "

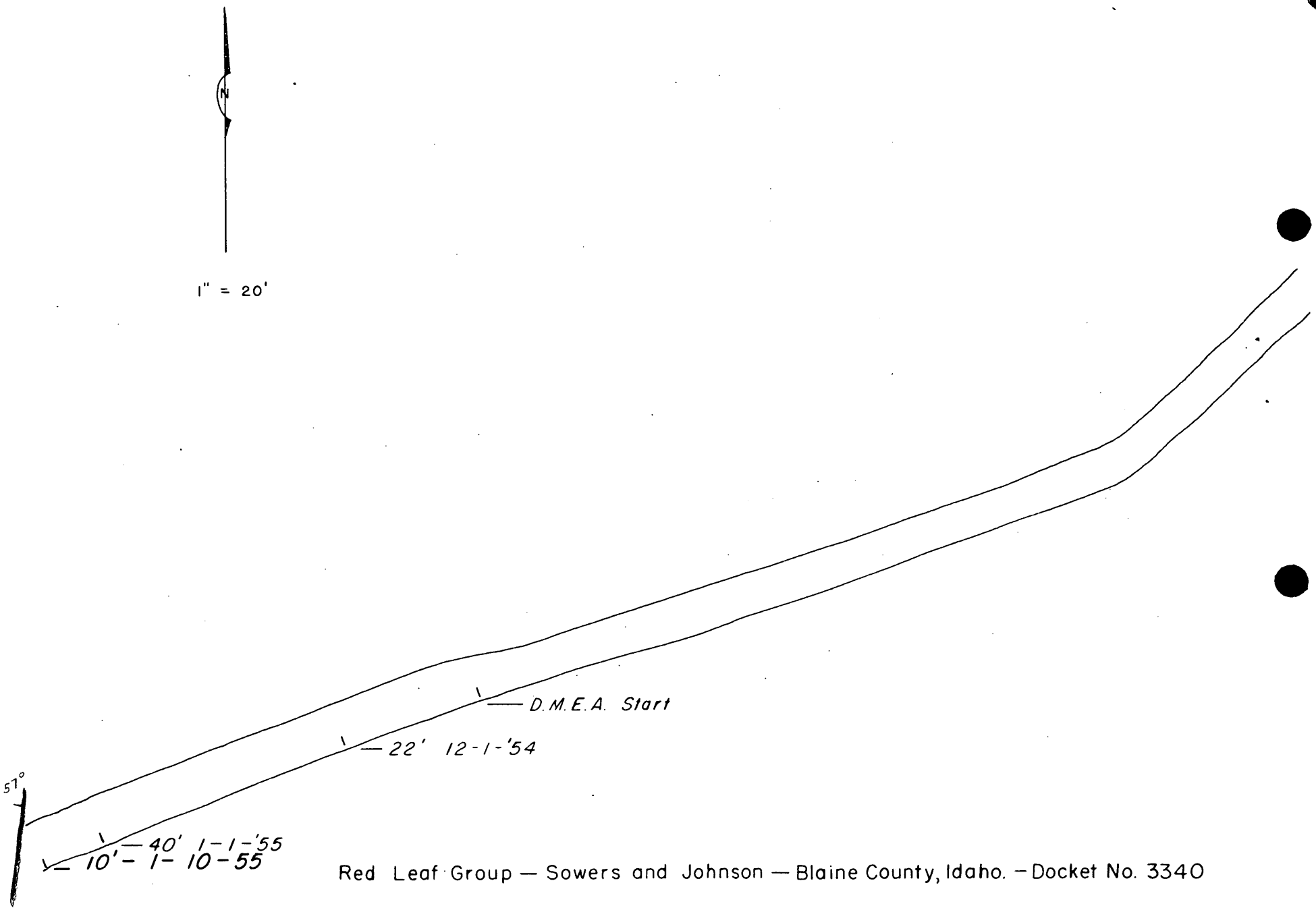
Orig. & 3 cys - Wash.
USGS (2)
DMEA
M/D
AD
ALS/lb

A. L. Service

A. L. Service

U. S. Dept. of the Int

D. M. E. A.
Contract Idm. E-7



Red Leaf Group — Sowers and Johnson — Blaine County, Idaho. — Docket No. 3340

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

~~WASHINGTON 25, D.C.~~
1201 N. Division St.
Spokane 2, Washington
December 8, 1954

MEMORANDUM

To: DMEA Field Team, Region II

From: A. L. Service, Mining Engineer, Bureau of Mines

Subject: Initial inspection, Sowers and Johnson, Blaine County, Idaho, Contract No. Idm-E728, Docket No. DMEA 3340 (lead-zinc)

The initial inspection was made on December 2, 1954 by V. Z. Johnson and A. L. Service, mining engineers, Bureau of Mines. The Operator was not present at the time of the inspection.

The subject contract is dated October 19, 1954, and as of this inspection the drift had been advanced 20 feet. The drift is being kept to a minimum cross section of 5'x7', and no timbering has been necessary. The face is badly fractured, indicating that the shear zone is close at hand.

There are two small frame buildings on the property, a tool shed, and a change house. The 105 cfm Schramm compressor has insufficient capacity for the job, but the Operator will, in all probability, replace it with a larger compressor.

The access road is in good condition and should be easy to maintain.

Because of previous commitments on the Operator's part, the progress is slow but the work is being done in a workmanlike manner.

A. L. Service

A. L. Service

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

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

November 29, 1954

Memorandum

To: DMEA Field Team, Region II

From: Howard B. Nickelson, Geologist, U. S. Geological Survey

Subject: Interim Inspection, Docket No. DMEA-3340 (lead-zinc), Sowers and Johnson, Red Leaf Group, Blaine County, Idaho, Contract No. Idm-E728

Don Kellum, geologist, Geological Survey, and I visited the property on November 17, 1954.

The operators have trenched the steep side hill above the portal to help eliminate the possibility of a snowslide. They have also constructed a new 10 by 12 foot shed, leveled the portal site, and advanced the crosscut about 19 feet since the property was examined June 16 and 17, 1954, in connection with the application.

There was about 3 inches of snow on the ground at the time of the examination.

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
NOV 1 - 1954

xxxxxxxxxxxxxxxxxx
So. 157 Howard Street
Spokane 4, Washington

October 27, 1954

Messrs. E. M. Sowers and
Stanley G. Johnson
P. O. Box 276
Hailey, Idaho

Re: Docket No. DMEA-3340 (lead-zinc)
Red Leaf Group
Blaine County, Idaho

Gentlemen:

Enclosed are the original and five copies of proposed exploration contract No. Idm-E728, signed by C. O. Mittendorf, Administrator, Defense Minerals Exploration Administration, for the Government.

If this contract is acceptable to you, please sign all copies, keep the one marked "Operator's Copy" and return all the others to this office. If it does not meet with your approval, please return all copies to this office with your comments.

Sincerely yours,

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

Enclosures

cc: DMEA (2)
USBM (2)
Nickelson

File Copy
Surname
J.W. Alt.
Initialed
Selfridge
F.E. Johnson

UNITED STATES
DEPARTMENT OF THE INTERIOR 500
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C.

OCT 19 1954

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

Re: Docket No. DMEA-3340 (Lead-Zinc)
E. H. Sowers and Stanley G. Johnson,
partners
Red Leaf Group
Blaine County, Idaho

Dear Mr. Weissenborn:

We are enclosing the original and five copies of the cited contract, signed by this office for the Government together with Annex I, Exhibit "A" (1 page), and one map.

If the contract meets with your approval, kindly present it to the Applicant for approval and signature and, when completed, distribute the copies in the usual manner. In the event that the contract is not satisfactory and cannot be amended within your delegated authority, return all copies with your recommendation concerning any modification.

It will be necessary to insert in the contract, in the space provided under Article 3, the number of days from the date of the contract in which work shall commence.

Sincerely yours,

George C. Selfridge
Chairman, Operating Committee (JHB)

JWAlt;er /10/14/54
Copy to: Docket
Admr. R. File
Op. Committee
Base Metals
Mr. Kiilsgaard, USGS
Mr. Bishop, USBM
Chron.

Enclosures

APPROVED:

J. H. Hedges (JHB)
Member, Bureau of Mines

Thor H. Kiilsgaard (JHB)
Member, Geological Survey

R.C.S.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
WASHINGTON 25, D. C.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
SEP 22 1954

September 21, 1954

Memorandum

To: W. R. Griswold, DMEA

From: C. H. Johnson, Bureau of Mines

Subject: DMEA-3340 (Lead-Zinc) E. H. Sowers and S. G. Johnson, Red Leaf Group, Blaine County, Idaho

I have reviewed the field team reports by Johnson and Nickelson on the above-named application, which were transmitted September 2, 1954 by the field team. The field team concurs in the recommended work and I am of the opinion that the reports adequately justify this recommendation.

It appears to me that some provision might be made for exploring the full width of the fault zone, or at least a greater part of it, by means of crosscuts or long drill holes from the main drift.

C. H. Johnson

C. H. Johnson for
O. M. Bishop

Copy to - Mr. Kiilsgaard, Room 5227
Minerals Division
O. M. Bishop
Files

File Copy
Surname

J.W. Red.

UNITED STATES
DEPARTMENT OF THE INTERIOR 500
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C.

September 21, 1954

Memorandum

To: Acting Assistance Solicitor, DMEA

From: Chief, Base Metals Division

Subject: Preparation of Contract for Docket No. DMEA-3340, E. H. Sowers and Stanley G. Johnson, A Partnership, Blaine County, Idaho (Lead-Zinc)

Will you please prepare a contract for the cited application. A draft of this contract is attached to the memorandum.

W. R. Griswold

W. R. Griswold

Enclosures

JWALT:er 9/21/54

Copy to: Docket
Base Metals
Chron

IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WASHINGTON 25, D. C.

RECEIVED SEP 20 1954

September 17, 1954

Re: DMEA-3340
Red Leaf Claims
Mineral Hill District
Blaine County, Idaho
$9,305 - Lead-Zinc

Memorandum

To: W. R. Griswold
Defense Minerals Exploration Administration

From: E. L. Newcomb
U. S. Geological Survey

Subject: Review of application and Field Team Report

The applicant proposed to crosscut and drift 600 feet from the Lower adit level and to bulldoze on the May Day and Lucky May group of claims.

The Field Team has recommended 350 feet of crosscutting and drifting from the Lower adit be approved.

The proposed drifting on a mineralized fault structure will develop about 110 feet of back to the Upper adit level. The objective of the work is to test for a possible continuous vein of mineralization at depth. It is postulated that the three ore lenses in the Upper adit may develop into a minable vein downdip.

By high-grading and sorting the ore from the Upper adit about 42 tons have been mined which ranges in grade from 24.8-74.2 ounces of silver per ton and 7.3-25.0 percent lead. The widths of the ore lenses are narrow (6 to 12 inches), but it is possible that a wider and continuous vein will be found at the level of the proposed work.

This project is somewhat speculative, but does justify DMEA assistance. I recommend the 350 feet of crosscutting and drifting be approved for a contract.

E. L. Newcomb

E. L. Newcomb

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

September 2, 1954

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

Re: Docket No. DMEA-3340 (lead-zinc)
E. H. Sowers and S. G. Johnson
Blaine County, Idaho

Dear Mr. Selfridge:

Enclosed are memoranda from Howard B. Nickelson, Geological Survey, and V. Z. Johnson, Bureau of Mines, recommending a small exploration project on the Red Leaf claims in Blaine County, Idaho. Although the objective of the project is a limited one, the chances of finding a small ore body seem reasonably good, and the cost of doing the work is low and appears to be commensurate with the possible size of the discovery. The Field Team, therefore, concurs with the recommendation of the field examiners for approval of an exploration contract.

It will be noted that Nickelson has recommended 350 feet of crosscutting and drifting whereas Johnson has recommended only 300 feet. The total amount of work proposed by either is so small that the Field Team would favor the larger amount, for if an oreshoot is found the additional 50 feet might be useful in determining its length. However, 50 feet one way or another is not particularly significant and either 300 or 350 feet would be acceptable. The unit cost of $27 per foot for untimbered drift or crosscut recommended by Mr. Johnson is somewhat lower than has been allowed for similar work in other contracts. The chief reason for the low cost is that little or no supervision should be required for the actual performance of the work. Unless good ground conditions are met with the actual cost might well exceed the suggested unit cost.

No allowance has been made for engineering or geologic consultants. The Field Team agrees that the small amount of work done does not justify the employment of a consultant.

Reviewed by
DMEA OPERATING COMMITTEE
9-15-54
(date)

By Field Team, Region II

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

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

Enclosures
cc: USBM (2)
Nickelson

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
~~WASHINGTON 25, D.C.~~
1201 N. Division St.
Spokane 2, Washington
August 25, 1954

MEMORANDUM

To: DMEA Field Team, Region II

From: V. Z. Johnson, Mining Engineer, Bureau of Mines

Subject: Inspections and cost analysis, Docket No. DMEA 3340 (lead-zinc), E. H. Sowers and S. G. Johnson, Blaine County, Idaho

Introduction

Mr. Stanley G. Johnson, an excavation contractor at Hailey, Idaho, has devoted considerable spare time to exploring the Red Leaf and Lucky May claims, which for several years have been the property of his father-in-law, Mr. E. H. Sowers. At Mr. Johnson's request, the property was visited on April 28, 1953 to determine the feasibility of a DMEA project. An exploration program similar to the one now proposed was discussed at that time, but Mr. Johnson could not complete an application before the dead line for lead-zinc projects went into effect in 1953.

The property was visited again on July 25, 1954 for details pertinent to this application, which had been submitted April 30, 1954. Mr. Johnson was at the property advancing the lower adit as is proposed in this application.

Recommendations

Mr. Nickelson's memorandum discusses the property and the proposed project. His recommendation that no bulldozing be undertaken is correct because the outcrop has already been well prospected.

The most favorable outcrops and the underground work so far completed are in a rather short strike length interval on the wide shear zone. It is suggested, therefore, that the drifting be reduced 50 feet and that the contract specify 300 feet of crosscut and drift.

Costs as submitted by the applicant are reasonable; however, there are circumstances which indicate that this should be a lower cost project. Proximity to a mining district, little supervision, and

Reviewed by
DMEA OPERATING COMMITTEE
9-15-54
(date)

depreciation on used equipment suggest a price of $27/ft. for untimbered crosscut or drift, with $5.50/ft. for timbering.

The herein suggested contract amount of $9,305 is a modest but feasible exploration that is not burdensome to the applicant.

Applicant's Equipment

The applicant, Mr. S. G. Johnson, has accumulated the usual equipment necessary for small excavations such as foundations, sewer lines, and other improvements. A nearly new D-6 Caterpillar-Dozer is probably his greatest investment, and it has been used to trench outcrops on these claims and at other properties in the vicinity.

Mining equipment on hand at the property for the proposed project is as follows:

1 Trailer mounted, Model 10 W Schramm, 105 cfm (1949) compressor
1 Sullivan mucker, 12-B size
1 new I-R jackhammer
2 - 12 cu.ft. end dump mine cars
1 Jeep Willys Army type
250 ft. 2-in. pipe
500 ft. 12-lb. track

These items are in good condition and the proposed work will not be too great for their capacity. It will be necessary to purchase a blower to complete the proposed work.

Cost Estimate

Labor and supervision for 1 shift:

2 miners @ $15.50	$31.00		
1 trammer @ $15.00	15.00		
1/3 supervisor @ $21.00	7.00		
	$53.00	+ 11% FICA, etc.	5.83
			$58.83

Operating equipment to be furnished:

	Value	Depreciation allowance
1 105 cfm compressor	$1,800	$ 29.98
1 Willys jeep	900	14.99
1 I-R jackhammer	700	11.66
1 Sullivan mucker	2,000	33.33
1 Blower	400	6.66
2 End dump mine cars @ $100	200	3.33

Operating equipment to be furnished (continued):

	Value	Depreciation allowance
1 Chain saw	$ 250	$ 4.16
1 Air receiver	120	1.98
1 Water tank	60	0.99
Total depreciation allowance		$107.08

Assume 25 shifts/ month; depreciation for 1 shift =

$\frac{107.08}{25}$ or 4.28

Drift and crosscut cost:

Assume an excavation cycle for 3.75 feet per shift with the above crew and equipment, and supplies as follows:

Labor and supervision	$ 58.83
Equipment depreciation	4.28
Powder - 45 lbs. @ $23/100#	10.35
Caps - 12 @ 0.03	0.36
Fuse - 96 ft. @ 0.016	1.53
Bits - 700 ft. per $20 bit, 50 ft/round	1.43
Steel	1.25
Track - 12 lb. @ $160/T plus ties, plates, etc.	3.55
Power (fuel and lubricants)	9.25
Pipe	2.60
Vent pipe and wire	4.00
Repair parts	2.25
Misc. small tools and supplies	1.50
Costs for 3.75 feet of untimbered drift or crosscut	$101.18

$\frac{101.18}{3.75}$ = 26.98 - Say $27.00/ft.

The short (3 to 4-ft.) rounds that are being broken by the applicant are not shaking up the ground, and very little timber has been used so far at the lower tunnel. The proposed drifting in the shear zone will require some timber, however, and it appears reasonable to provide for 200 feet of timbering.

Timbering costs:

Assume 3 sets at 6 ft. c-c and the time needed for extra mucking, framing, and placement is one shift with the above crew. Then,

Labor and supervision	$58.83
Equipment depreciation	4.28
Power	5.25
Timbers	
90 lin. ft. stulls @ 20¢	
200 board measure @ $60/M	
wedges - 50¢	30.50
	98.86

$$\frac{98.86}{18} = \$5.49 \text{ - Say } \$5.50/\text{ft. for timber}$$

Agreed Unit Costs and Independent Contracts

It is believed the above costs would be acceptable as Agreed Unit Costs to the applicant although they are somewhat lower than the rounded costs that were submitted in the application.

Hailey is the winter home of numerous workmen who engage in mining and other seasonal work at higher elevations during the summer months. Mr. Johnson often has contract excavation commitments which require his full time so that he may desire to advance the proposed work by independent contractors.

Contingent Item

The application makes no mention of sampling and assays. Mr. Nickelson's memorandum mentions the need of assays. Thirty assays appear reasonable and $3.50 per sample taken and assayed is the approximate cost for occasional samples.

Recapitulation of Cost

Agreed Unit Costs	
Crosscut or drift 300 feet @ $27/ft.	$8,100.00
Timber when required - 200 feet @ $5.50	1,100.00
Assays - 30 @ $3.50	105.00
Total suggested cost of project	$9,305.00
Government's share @ 50%	4,652.50

W. Z. Johnson

W. Z. Johnson

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

Department of the Interior
Defense Minerals Administration
RECEIVED
SEP - 7 1954

UNITED STATES
Department of the Interior
Defense Minerals Exploration Administration
So. 157 Howard Street
Spokane 4, Washington

August 25, 1954

Reviewed by
DMEA OPERATING COMMITTEE
10/14/54
(date)

Memorandum

To: DMEA Field Team, Region II

From: Howard B. Nickelson, Geologist, U. S. Geological Survey

Subject: Docket No. DMEA 3340 (lead-zinc), Field examination, E. H. Sowers and S. G. Johnson, P. O. Box 276, Hailey, Idaho, Blaine County, Idaho

INTRODUCTION

E. H. Sowers and Stanley G. Johnson, partners, submitted an application to the Defense Minerals Exploration Administration on April 30, 1954, for Government assistance in exploring for lead and zinc minerals.

The applicants' proposal included 600 feet of drifting and crosscutting from a lower crosscut to explore a large fault structure containing lenses of lead, silver, and zinc minerals on the Red Leaf claims. They also applied for 200 hours of bulldozing to uncover two veins on the May Day claim and the Lucky May group of claims.

RECOMMENDATION

It is recommended that the Defense Minerals Exploration Administration approve a contract on the Red Leaf claims to allow 350 feet of crosscutting and drifting from the lower crosscut to explore the structure for lead, zinc, and silver minerals.

No bulldozing is recommended for the May Day claim and the Lucky May group of claims because one vein was extensively mined, and the surface outcrop on the other, as exposed by trenches, indicated narrow, discontinuous ore lenses.

LOCATION OF THE PROPERTY

The Red Leaf group of claims is located in sec. 24, T. 3 N., R. 17 E., and the Lucky May group in sec. 29, T. 3 N., R. 17 E., Blaine County, Idaho, in the Mineral Hill mining district.

On-Site Exam.

The claims are near Clarendon Hot Springs about 6½ miles from Hailey; they can be reached by traveling 2½ miles on the oiled highway toward Ketchum and then turning east up Deer Creek road for 3 miles to a gulch crossing the road from the north. The Red Leaf claims are up this gulch, and the mine workings are about 1 mile from the Deer Creek road, near the head of the gulch. The Lucky May claims are up the west tributary of this gulch.

ACCESSIBILITY

The main highway and the county road up Deer Creek are cleared of snow during the winter months by the state and county, but the short road to the mine will require snow removal after heavy snow falls.

Hailey is served by a branch line of the Union Pacific railroad.

COMPETENCY OF THE APPLICANTS

Discussions with the applicants indicated that they do not have sufficient cash available at present to finance their share of the contract, but they will no doubt be responsible for this financial obligation as the contract progresses.

The applicants own adequate mining machinery and plan to furnish part of the labor themselves.

Mr. Johnson owns a bulldozer, a small shovel, trucks, and other machinery, and contracts earth-moving jobs in the Hailey area.

Mr. Sowers is Mr. Johnson's father-in-law.

APPLICANTS' PROPERTY RIGHTS

The May Day claim, the Red Leaf group, and the Lucky May group, all unpatented claims, were listed, with their book and page numbers, in the application. The May Day claim and the Lucky May group of claims were staked by the partners, but it is not known if they staked the Red Leaf claims.

The Red Leaf, and Red Leaf Nos. 2, 4, and 5 are the only claims that should be included in a contract as property subject to royalty payments. These claims are recorded at the County Court House at Hailey in Blaine County, Idaho, as follows:

Name	Book No.	Page
Red Leaf	102	554
Red Leaf No. 2	131	61
Red Leaf No. 4	156	259
Red Leaf No. 5	130	357

The Red Leaf group of claims, as shown on the enclosed map, were copied from a penciled drawing submitted to the examiner during the examination.

The northwest corner of Red Leaf No. 5 was located and the whole group was oriented by a magnetic bearing to the northeast corner of the same claim; therefore, the claim locations, as shown on the enclosed map, are only approximate.

DESCRIPTION OF THE PROPERTY

The equipment at the mine consists only of a portable compressor, mine cars, and several small sheds that could be used either to house tools or a compressor, or as a change house.

Approximately 400 feet of mine workings from three old adits are located above the upper drift, which is shown on the enclosed map. These workings followed a tortuous route across the wide shear zone. One small stope was observed in the longest adit, and the applicant reported a small tonnage had been mined from a pod found in one of the other adits. The other workings consist of a crosscut shown on the enclosed map. The upper drift has been mined sporadically during the last 2 years. The lower crosscut has been advanced about 105 feet since March 1954 when Thor Kiilsgaard, Geological Survey, and the writer advised the applicant to turn the crosscut S. 73° W. to obtain a better vein intersection. Mr. Johnson and his son work on the property whenever they have time and money available.

GEOLOGY

The prospect is located on a steeply dipping fault in the Wood River formation. This northwest-trending fault is similar to those described on page 8 of the Idaho Bureau of Mines and Geology Pamphlet No. 90.

The rock on the east side of the fault is a black carboniferous shale, whereas the rock on the west side of the fault is argillaceous sandstone or quartzite. The difference in rock types and the wide shear zone indicate considerable displacement. A small stock of granite was observed about half a mile to three-quarters of a mile south of the prospect, and it is believed the fault intersects this granite intrusive.

The ore observed in the upper drift shown on the enclosed map occurs as lenses in the black shale along the major fault strand. A small stope was also observed in the quartzite along a fault strand in one of the upper unmapped adits. The ore lenses show some effects of post-mineral movement along the fault strand. The minerals observed in the upper drift shown on the map are galena and sphalerite; no lead oxide minerals were observed underground. The ore is very difficult

to see because the soft black shale obscures the minerals.

Three small lenses were observed along the upper drift. The first lense at the portal appeared to be about 1 foot wide and approximately 20 feet long. The second lense of high-grade ore was 6 inches wide and approximately 20 feet long. Sixteen sacks of ore were high graded from this lense after the drift was driven and were included in a shipment sent to the U. S. Smelting Refining and Mining Company at Salt Lake. The balance of the ore shipped came from the small stope. This shipment of 6.178 tons of hand-picked ore assayed 74.2 ounces silver, 0.02 ounce gold, and 25.0 percent lead and netted the applicants approximately $90 per ton.

Two samples taken in the stope across the vein assayed as follows:

Sample No.	Width	Oz. Au	Oz. Ag	% Pb	% Zn
475	1.6 HW	0.02	14.7	14.4	1.6
476	3.2 FW	0.01	3.7	2.3	1.3

About 35 tons of ore were stockpiled at the portal of the drift. A grab sample of this ore (#477) assayed 24.8 ounces silver and 7.3 percent lead.

ORE RESERVES

It would be difficult to estimate an inferred ore reserve because the exploration project is based on the hope that the three lenses of ore exposed in the upper drift will continue to depth and widen to form a minable lense or lenses. The tonnage of ore to be expected may be only several thousand tons, but the value as shown by the sample results and shipments will provide an ample return.

AVAILABILITY OF MAN POWER, MATERIAL, SUPPLIES, EQUIPMENT, WATER, AND POWER

The applicants will either contract the proposed drifting or do the work themselves. They have the necessary equipment such as drills, gasoline-powered compressor, cars, etc., to begin the job. Supplies can be purchased at Bailey. Drilling water can be obtained from the small stream near the portal.

APPLICANTS' PROPOSAL

The applicants proposed 600 feet of drifting and crosscutting at a unit cost of $30 per foot untimbered and $36 per foot with timber. The applicants also proposed 200 hours of dozing or shovel work at $12 per hour, but after discussion with the writer an agreement was reached to omit this work.

Fifty feet of crosscut from the face of the lower crosscut will be necessary to reach the vein. Three hundred feet of drifting to the northwest from the lower crosscut will test the ground below the three small lenses of ore on the upper drift.

The proposed contract should provide for 325 feet of timber. It is estimated 20 feet of timber will be necessary to support the crosscut before it intersects the vein, and the drift will probably require timber the full length. Thirty samples to be assayed for silver, lead, and zinc should be provided for in the proposed contract to evaluate the results of the drifting.

STARTING DATE

It is recommended that the applicants be allowed 30 days to begin the project and one year for its completion. Severe winter storms may slow the work or force them to recess the project until spring, and one year should be allowed to cover these circumstances.

Enclosure

Distribution:
DMEA (4)
USBM (2)
USGS (SRO)
Docket
Nickelson

Messrs. E. H. Sowers &
Stanley G. Johnson
P. O. Box 424
Hailey, Idaho

May 10, 1954
Subject: DMEA-3340
Re: Exploration Assistance
Red Leaf, May Day, & Lucky May

Gentlemen:

The receipt of your application dated April 21, 1954 for exploration assistance under the Defense Production Act of 1950, as amended, is hereby acknowledged.

Your application has been assigned Docket Number DMEA-3340 and referred to the Base Metals Division.

Kindly refer to DMEA-3340 in any future correspondence relating to your application.

Sincerely yours,

Robert E. Adams
Chief, Operation's Control
and Statistics Division

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

May 10, 1954

Memorandum

To: Executive Officer, DMEA Field Team, Region II

From: Chief, Operation's Control and Statistics Division

Subject: Assignment of Docket Number

There is listed below the assigned docket number to an application recently received from Region II.

DMEA-3340 Sowers, E. H. & Stanley G. Johnson

Robert E. Adams,
Chief, Operation's Control
and Statistics Division

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

May 5, 1954

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

Re: DMEA application (lead-zinc)
E. H. Sowers and S. G. Johnson
Blaine County, Idaho

Dear Mr. Selfridge:

Enclosed please find the ~~original and two~~ 3 copies of an application submitted by Mr. E. H. Sowers and Stanley G. Johnson, Hailey, Idaho. The applicants have requested a DMEA contract to further explore their lead-zinc property, locally known as the Red Lead prospect. One copy of the application has been retained for the files of this office.

We have some information on the Red Leaf property, but none on either the May Day or the Lucky May, both of which are referred to in the application. It will therefore be necessary to conduct a field examination of these claims before we can submit a report on this application. We will forward our Field Team report on the application to the Operating Committee as soon as possible.

Sincerely yours,

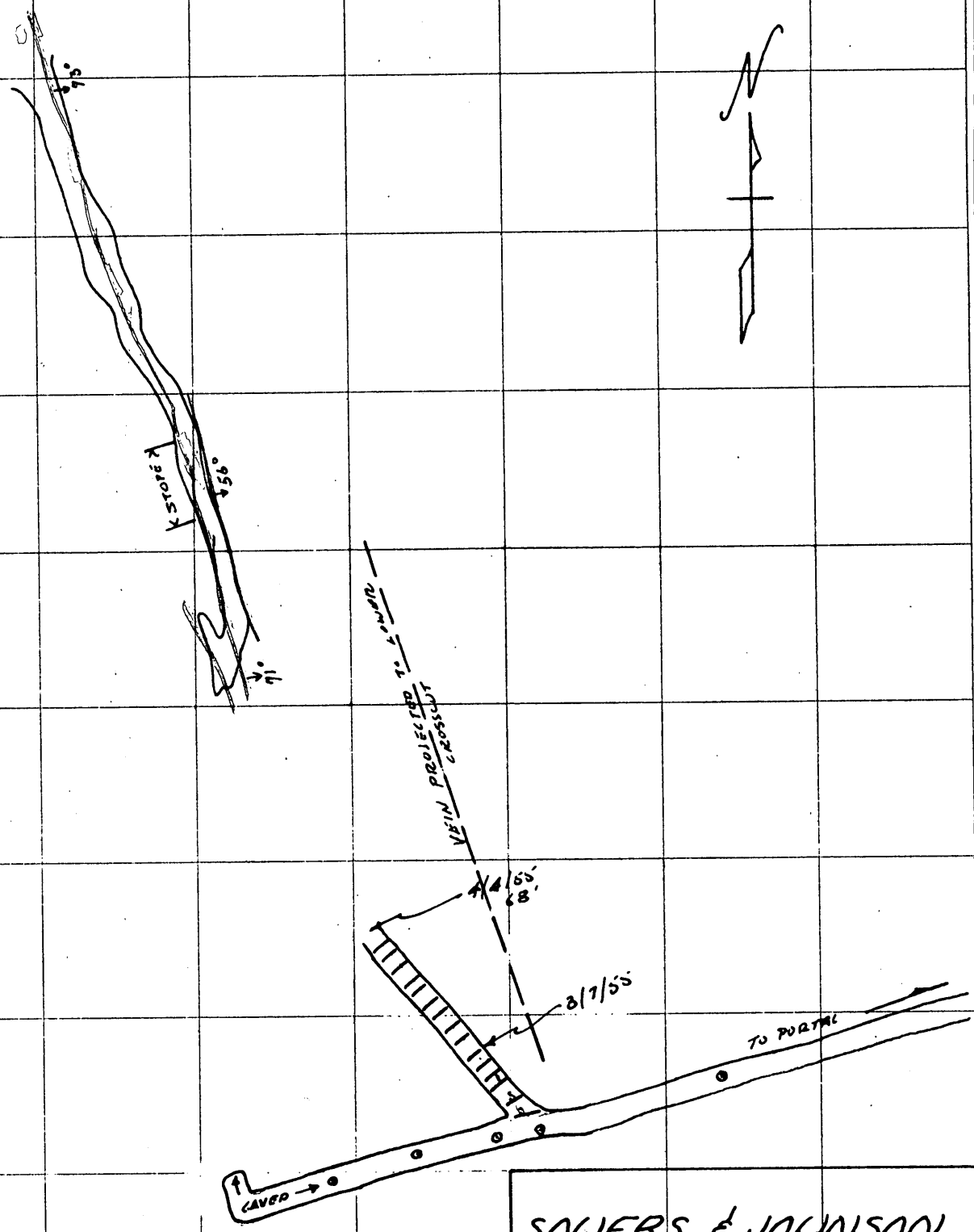
Thor H. Kiilsgaard

Thor H. Kiilsgaard
Acting Member, DMEA
Field Team, Region II

Enclosure

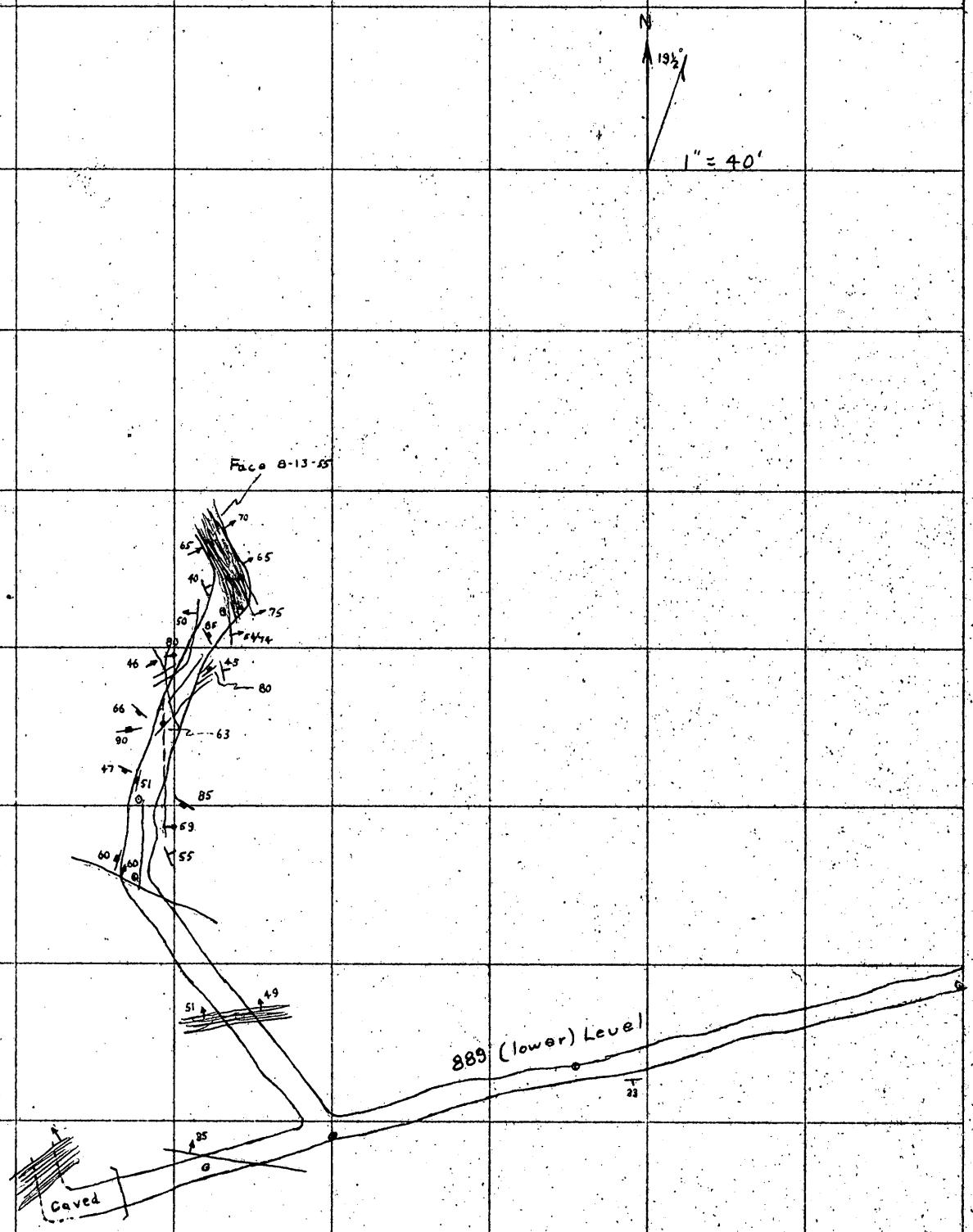
cc: USBM (2)

P.S. The "Engineer's Report" referred to in the application consists merely of field notes which have been withheld at this office. They are not important to this application.



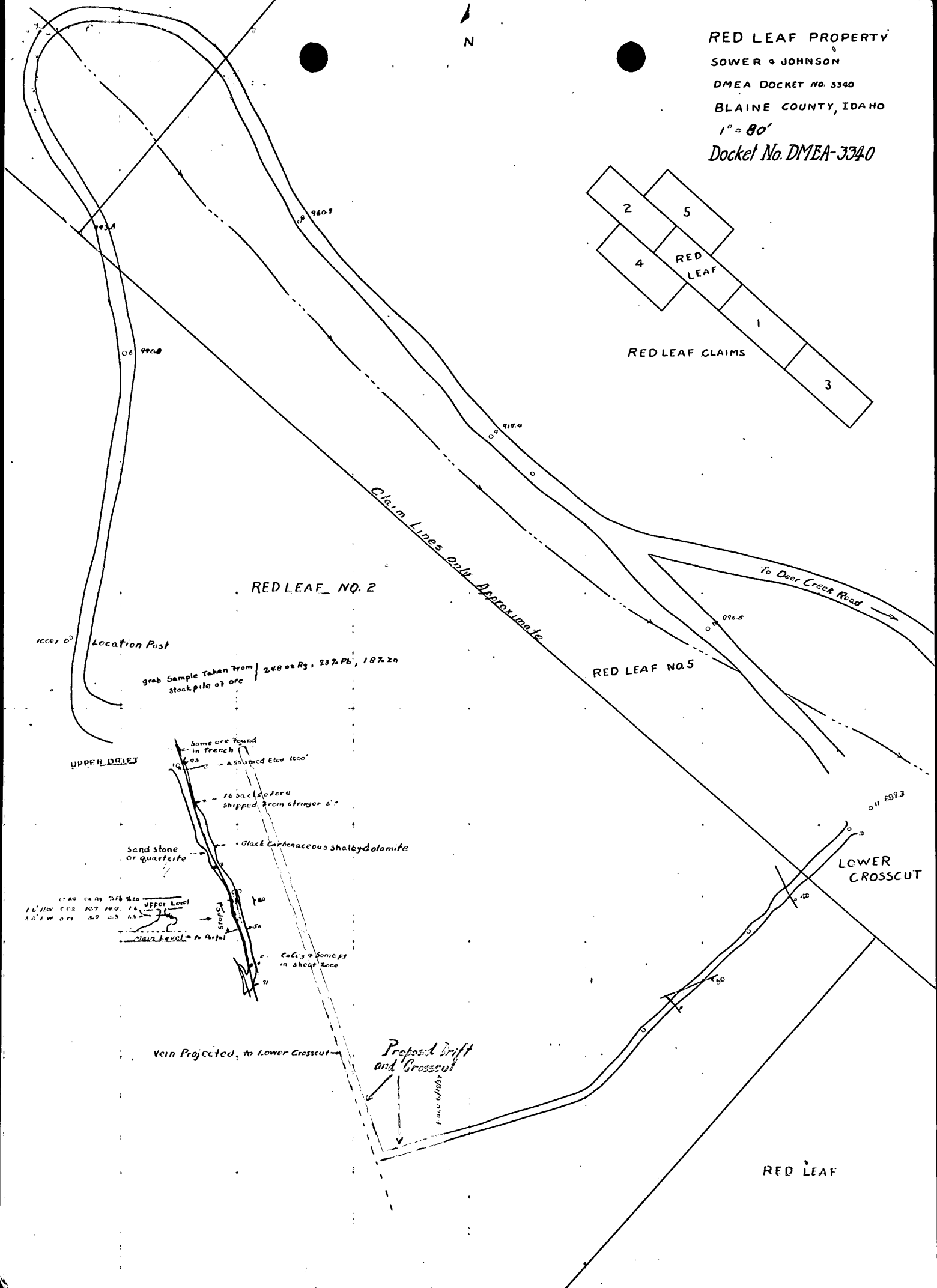
SOWERS & JOHNSON
RED LEAF GROUP
BLAINE COUNTY, IDAHO
DOCKET No. OMEA 3340
CONTRACT IOM-E 728
APRIL 1955
SCALE 1" = 40'

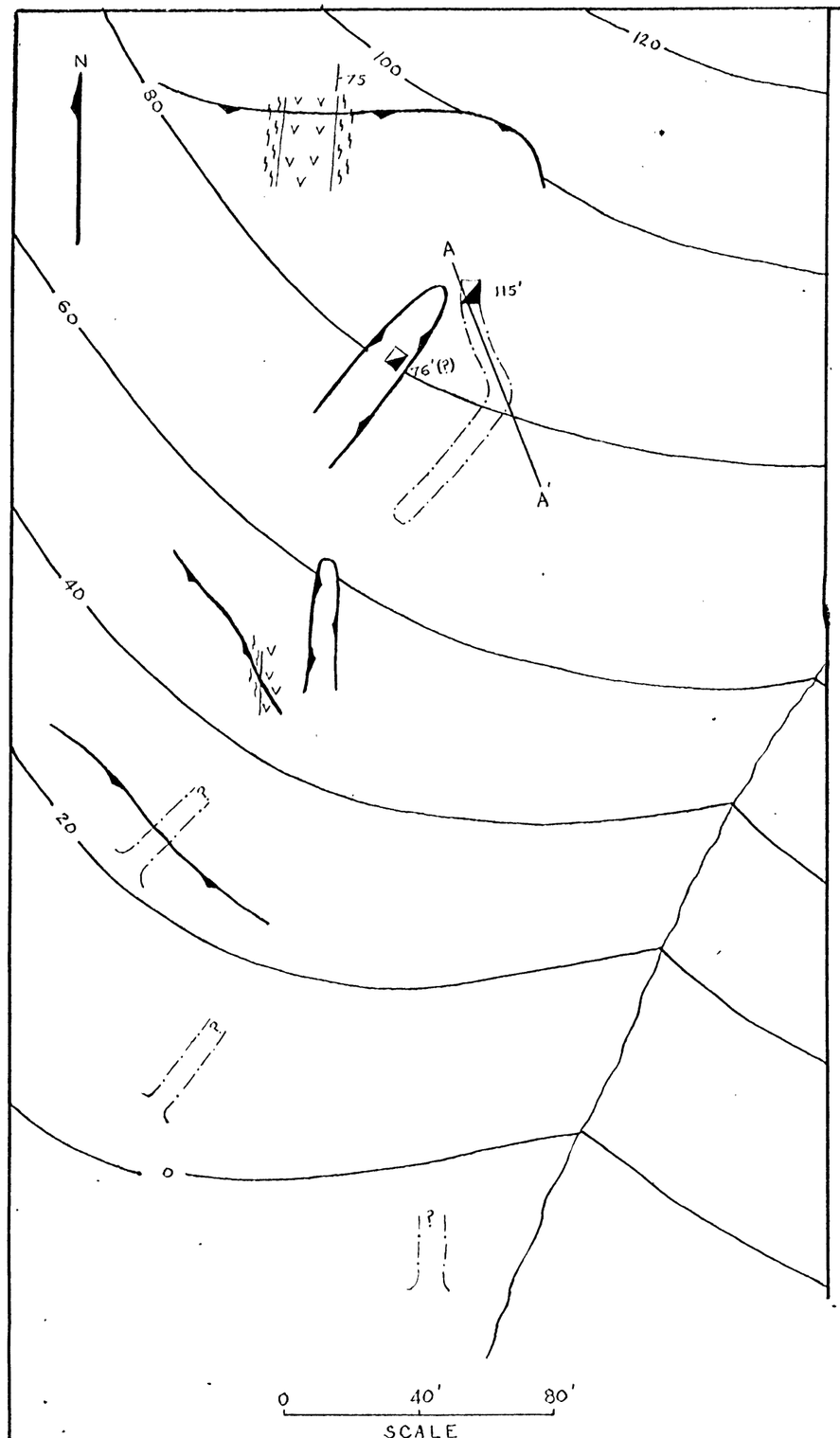
"ALBANENE" No. 100M K&E CO., N.Y.
REG. U.S. PAT. OFF.

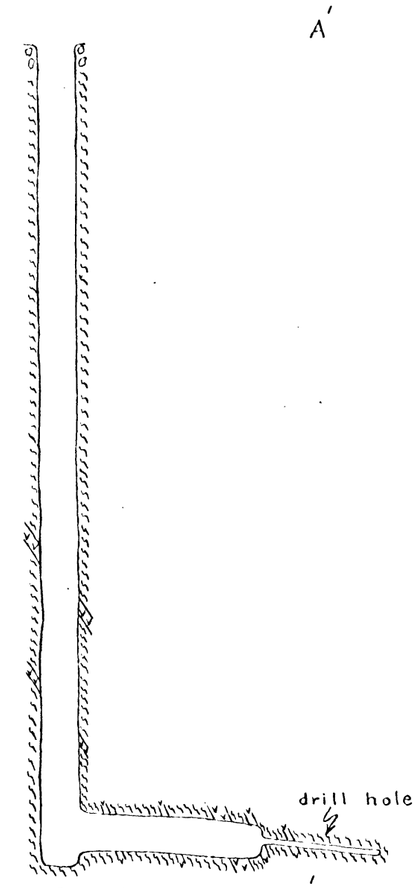


Red Leaf Group
Blain County, Idaho
Contract Item E 728

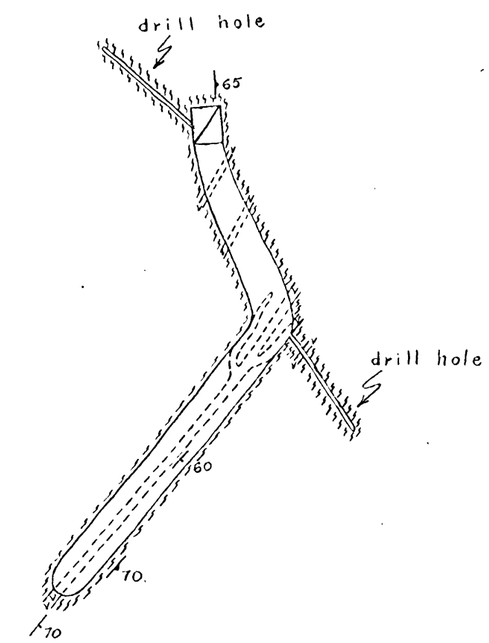
"ALBANENE" NO. 190M K&E CO., N.Y.
REG. U.S. PAT. OFF.


N
RED LEAF PROPERTY
SOWER & JOHNSON
DMEA DOCKET NO. 3340
BLAINE COUNTY, IDAHO
1" = 80'
Docket No. DMEA-3340
2
5
4
RED LEAF
1
3
RED LEAF CLAIMS
Claim Lines only Approximate
RED LEAF NO. 2
RED LEAF NO. 5
To Deer Creek Road
Location Post
grab Sample Taken from stockpile of ore
UPPER DRIFT
Some ore found in Trench
Assumed Elev 1000'
16 back of ore shipped from stringer 6'
Black Carbonaceous shaley dolomite
Sand stone or quartzite
Upper Level
Main Level
Calcite & Some fy in shear zone
Vein Projected, to Lower Crosscut
Proposed Drift and Crosscut
LOWER CROSSCUT
RED LEAF





SECTION A-A'



PLAN III'-LEVEL

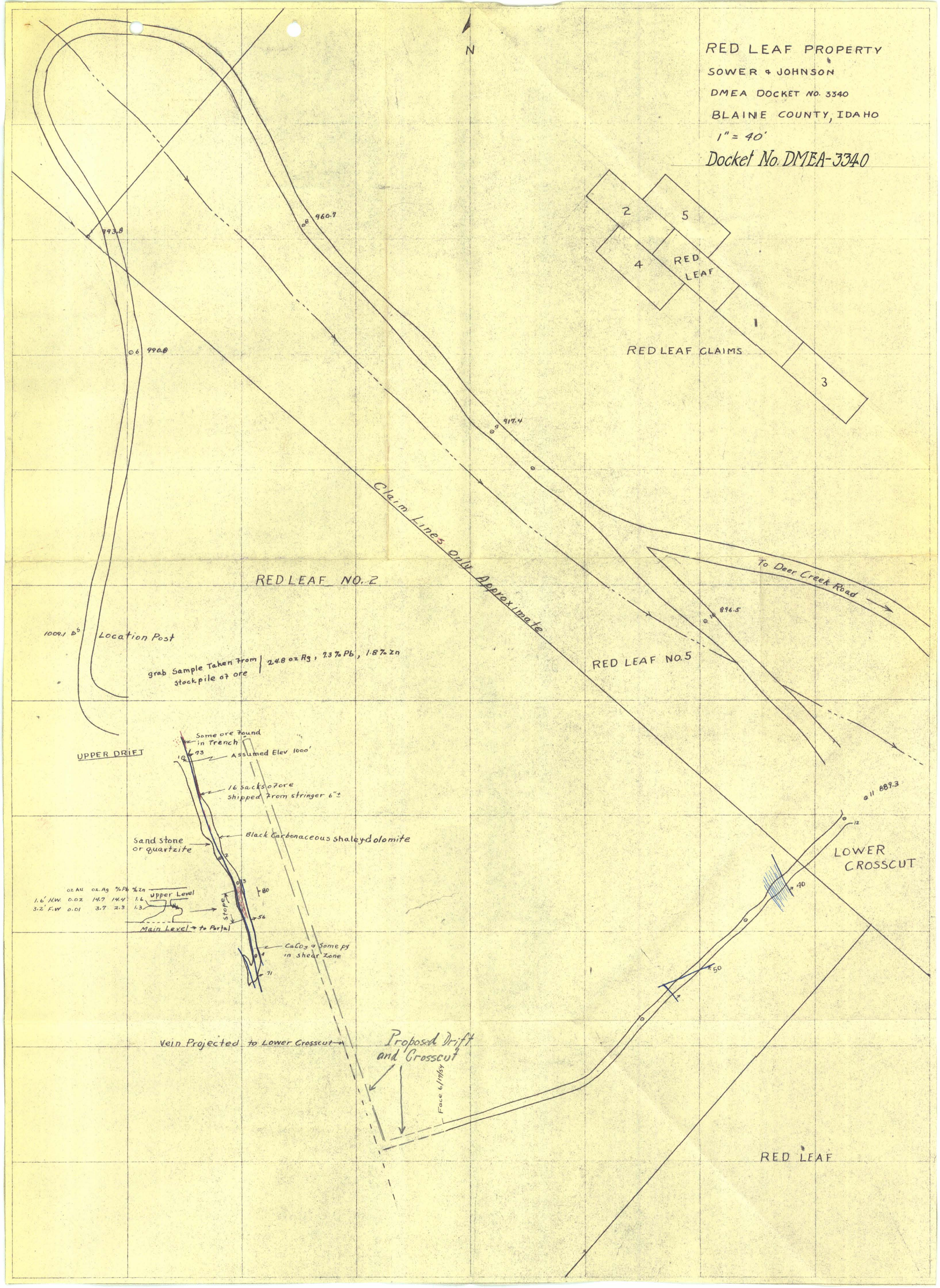
0 20' 40'
SCALE

- Mica gneiss
- v v Pegmatite
- x x Quartz
- Shaft
- Strike & dip of foliation
- Strike & dip of contact
- Contact, approx. where dashed
- Cut
- Outline of underground workings

SKETCH OF DOC THOMAS MINE

MITCHELL CO., N.C.

DMEA-3356 (mica)
March 17, 1955


N
RED LEAF PROPERTY
SOWER & JOHNSON
DMEA DOCKET NO. 3340
BLAINE COUNTY, IDAHO
1" = 40'
Docket No. DMEA-3340
2
5
4
RED LEAF
1
3
RED LEAF CLAIMS
993.8
960.7
990.8
917.4
Claim Lines Only Approximate
RED LEAF NO. 2
To Deer Creek Road
896.5
1009.1
Location Post
grab Sample Taken from stockpile of ore
24.8 oz Ag, 7.3% Pb, 1.8% Zn
RED LEAF NO. 5
UPPER DRIFT
Some ore found in Trench
Assumed Elev 1000'
16 sacks of ore shipped from stringer 6"±
Sand stone or quartzite
Black Carbonaceous shaley dolomite
oz Au oz. Ag %Pb %Zn
1.6' H.W. 0.02 14.7 14.4 1.6
3.2' F.W 0.01 3.7 2.3 1.3
Upper Level
Stope
Main Level → to Portal
CaCO3 & Some py in Shear Zone
889.3
LOWER CROSSCUT
Vein Projected to Lower Crosscut
Proposed Drift and Crosscut
Face 6/19/54
RED LEAF