UNITED STATES
DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration

OFFICIAL DOCKET FILE

Terminated [X] Cancelled [ ] Withdrawn [ ] DMEA No. 2396

This is the official contract file of a project closed without certification. It contains all official records of the project 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. — Guaranty

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 _____

ER 1/30/57 Reviewer's Initials and Date

10390

DEFENSE MINERALS EXPLORATION ADMINISTRATION
CONTRACT ADMINISTRATION AND AUDIT DIVISION

Defense Minerals Administration
RECEIVED
NOV 16 1953

REPORT OF REVIEW

I have reviewed the Monthly Reports of

J. R. Simplot Company
Continental Bank Building
Boise, Idaho
and
Challis, Idaho

pertaining to Exploration Project Contract No. Idm-E347, Docket No. DMEA 2396, including Amendment No. 1, covering a project of exploration for fluorspar in Lemhi County, Idaho, commonly known as the Chamac Mine, Meyers Cove, for the months of August 1952 through April 1953.

My review included an examination of the Monthly Reports (Form MF-104), comparison of the costs claimed with the contract and pertinent schedules, consultation with the Executive Officer of the DMEA Field Team, 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 costs claimed were incurred under a contract provision for payment by the Government on the basis of agreed estimated unit costs for units of work actually performed.

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

Total Cost as billed by contractor	$48,112.00
Exceptions:	
By DMEA Finance Officer	none
By audit	none
Total accepted cost	$48,112.00

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 Twenty Four Thousand Fifty-Six and 00/00 Dollars

-- $24,056.00 --

is considered valid and proper.

This certificate is issued on the provision 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.

November 4, 1953

Robert M. Hull

Robert M. Hull
Auditor

The review disclosed the status of the Allowable Maximums to be:

	Allowable Maximum	Work Actually Completed	Balance
1,700 linear ft. of drift, edit and/or winze work at $31.50/ft.	$53,550.00	$45,612.00*	$7,938.00
Road Construction	1,000.00	1,000.00	-0-
Preparing Portal Site	1,500.00	1,500.00	-0-
Unforeseen Mine Timbering	1,650.00	-0-	1,650.00
Total Estimated Cost of Project	$57,900.00	$48,112.00	$9,788.00

* 1,448 feet at $31.50

Robert M. Hull

Docket Copy
Surname:
Hopkins
Houk
Parkin
Chamber
Selfridge
Johnson

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

600

OCT 26 1954

J. R. Simplot Company
Continental Bank Building
Boise, Idaho

Re: Docket No. DMEA-2396 - Fluorspar
Chamac Mine (Meyers Cove Property)
Lemhi County, Idaho
Contract No. Idm-K347

Gentlemen:

We are pleased to advise you that your performance of exploration work under the subject contract has been acceptable to the Government, and the account relating thereto has been closed. The final audit of the Contract Administration and Audit Division shows:

Total claimed for units of work performed	$48,112.00
Total Government contribution at 50 percent	$24,056.00

Your attention is called to the provision of the contract which requires you to keep and preserve your records and accounts of this transaction for a period of three years for possible future reference.

We sincerely regret that the work performed did not result in a certification of discovery or development under the provisions of the exploration contract. In the absence of such certification, the Government retains no claim or lien against the property or royalty on any production made after the date of this letter.

The Government thanks you for your interest and participation in the exploration program of the Defense Minerals Exploration Administration.

Sincerely yours,

C. O. Mittendorf (for)

Administrator

JHopkins:gad 10/15/54
Copy to: Admr. R. File
Docket
Field Team, Region II
Mr. Arundale, 3516
Mr. Kiilsgaard, 5227
Mr. Chambers
Mr. Houk

cc: to Lesson (handed)

GOVERNMENT COPY

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
SEP 21 1953

TERMINATION OF EXPLORATION PROJECT CONTRACT BY AGREEMENT
AFTER COMMENCEMENT BUT BEFORE COMPLETION OF THE WORK

It is agreed this 2nd day of September, 1953, between the United States of America, acting through the Depatment of the Interior, Defense Minerals Exploration Administration, hereinafter called the "Government," and J. R. SIMPLOT, INC.
Continental Bank Building
Boise, Idaho
, hereinafter called the "Operator," parties to that certain Exploration Project Contract I-dm-E 347, Docket No. DMEA- 2396, dated June 17, 1952, that the said contract shall be and is hereby terminated as of the first date above written.

Any work prosecuted or costs incurred by the Operator after the date first above written shall be for the sole account of the Operator, except for (a) such necessary and reasonable costs and expenses as may be incurred in preserving and disposing of any facilities, buildings, fixtures, equipment, or other items, to the cost of which the Government has contributed and in which the Government has an equity, and (b) the costs of any reports, accounts, and winding-up and settlement actions provided for in the contract.

The undersigned Operator hereby releases and agrees to save harmless the Government from all claims and demands under or arising out of said Exploration Project Contract, except as herein expressly otherwise provided.

Witness the following signatures as of the day and year first above written.

UNITED STATES OF AMERICA

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

~~By~~ J. R. SIMPLOT CO., INC.

By Robert Lowell
Exec. Vice President

SEP 11 1953

18262-1

Government Copy
DMEA-2396
Idm-E347
Filmorepor

AMENDMENT NO. 1

It is agreed this 6th day of Aug. 1952, between the the United States of America, acting through the Department of the Interior, Defense Minerals Administration and J. R. Simplot Company, an Idaho Corporation, Continental Bank Building, Boise, Idaho

each acting in consideration of the agreement of the other to the terms hereinafter set forth, that the Exploration Project Contract Idm-E347 of June 17, 1952 between the parties hereto be modified and amended as described in Exhibit "F", attached hereto, which, with any maps or drawings attached thereto, is made a part of this agreement. The effective date of this amendment shall be July 1, 1952.

This amendment is made by authority granted the Executive Office, DMA Field Team, Region II in Order No. 2684 by the Acting Secretary of the Interior.

This amendment shall not be construed to increase the estimated total cost of the project, the amount of the Government's contribution, or any item of allowable cost which is expressly designated "Allowable Maximum".

Executed in sextuplicate the day and year first above written.

J. R. Simplot Company
(Operator)

By Bert Lovell
Exec. Vice President

The United States of America

By Glenn G. Reed
A. E. Weissenborn, Exec. Officer
DMEA Field Team, Region II

J. R. Simplot Company
Exploration Project Contract Idm-E347
Amendment No. 1

Exhibit "F"

Changes and Modifications

1. In Exhibit "A" of the Contract, page 2, under (2) "Labor, Supervision and Consultants" after "Note: The estimated costs of work under this schedule include the costs of material, supplies and all other costs." add the following paragraph:

"One thousand dollars ($1,000.00) shall be considered as the allowable cost of construction of the road and one thousand, five-hundred dollars ($1,500.00) shall be considered the allowable cost of preparing the portal site. The Government will contribute to the cost of these items of work on the basis of these agreed estimated costs in lieu of actual costs, for work actually completed.

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

M. E. Volin, Member, DMEA Field Team, Region II — August 7, 1952

T. E. Howard, Mining Engineer, Bureau of Mines, Region II

Initial inspection, J. R. Simplot Company exploration project, Lemhi County, Idaho, Contract Idm-E347, Docket No. DMEA 2396 (Fluorspar)

The subject inspection was made July 28, 1952, in company with Keith Medill, local manager.

Only preparatory work had been done prior to the date of the inspection. The road to provide access to the proposed adit portal site had been laid out and some items of equipment ordered. Excavation for the road and portal site is scheduled to begin Friday or Saturday, July 31 or August 1. As the road survey was made within the starting time limit specified in the contract, work under the contract can be considered to have started on time. Medill stated that the delay in starting construction was caused by the failure of the Boise Office of the company to notify of the final acceptance of the contract. He stated that he is confident of finishing the work within the specified time even with the delay, if adequate labor can be obtained. Undergound labor is scarce in the area at the present time.

The proposed portal site and the access route were examined. Both will require considerable rock work and the estimated costs listed in the contract are considered reasonable. However, the manner in which the Operator is to be reimbursed for the Government's share of these costs is not clear.

Exhibit "A" of the contract states that the Government will participate in the cost of drifting, raising and winzing on the basis of an agreed unit cost of $31.50 per foot in lieu of actual costs, but will contribute to the other costs of the project on the basis of actual costs. The cost of road construction and portal preparation are shown under "Labor, Supervision and Consultants" as lump sum estimates with the note that the estimates include all costs. Yet under "Operating Equipment" no provision is made for the use of equipment which will obviously be needed for this work.

Therefore, it appears that the contract will have to be amended, either to allow the Operator to charge depreciation on the equipment he uses for this work, or to put the road-building and portal preparation on a unit contract basis.

As the latter alternative appears to be the intent of the contract it is recommended that the contract be amended to provide for Government contribution to the costs of these items of work on the basis of the estimated unit costs specified in lieu of actual costs.

It is further recommended that the contract be put on "on-site audit" and the requirement for documentary support of the Form MF-104 waived. The project is being carried on in conjunction with production activities and the Operator will be unable to supply the necessary supporting documents with his monthly operating report.

MF-900
(June 1951)
(Revised Feb. 1952)

DOCKET NO. DMEA 2396

COMMODITY Fluorspar

Idm-E347 Government Copy

UNITED STATES OF AMERICA
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

EXPLORATION PROJECT CONTRACT [1]

IT IS AGREED this 17th day of June, 1952, between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, hereinafter called the "Government," and [2]

J. R. Simplot Company, an Idaho Corporation
Continental Bank Building
Boise, Idaho

hereinafter called the "Operator," as follows:

ARTICLE 1. *Authority for contract.*—This agreement is entered into under the authority of the Defense Production Act of 1950, as amended, pursuant to DMEA Order 1 entitled "Government Aid in Defense Exploration Projects."

ARTICLE 2. *Operator's property rights.*—With respect to that certain land situated in the State of Idaho, County of Lemhi, described as follows: [3] A contiguous group of six (6) unpatented lode mining claims, known as Crystle No. 1, No. 2, No. 5, No. 6, No. 7, and No. 12, being part of a larger group of 71 lode mining claims known as the Chamac Mine, Meyers Cove, Lemhi County, Idaho, located in unsurveyed Sec. 30 and 31, T. 18 N., R 17 E.; and Sec. 25, T. 18 N., R. 16 E. Boise Meridian. See Annex I, attached to and made a part hereof.

the Operator represents and undertakes: [4]

(*a*) ~~That the Operator is the owner in possession and entitled to possession and that the property is subject only to the following claims, liens or encumbrances as to each of which the subordination agreement of the holder is attached:~~

Under a Purchase Agreement

(*b*) That the Operator is ~~the owner~~ in possession and entitled to possession/~~and the Owner's Consent to Lien is attached.~~

The Operator shall devote the land and all existing improvements, facilities, buildings, installations, and appurtenances to the purposes of the exploration project without any allowance for the use, rental value, depreciation, depletion, or other cost of acquiring, owning, or holding possession thereof.

ARTICLE 3. *Exploration project.*—The Operator, within 25 days from the date of this contract shall commence work on a project of exploration for [5] fluorspar

in or upon the described land; and shall bring the project to completion within a period of sixteen months from the date of this contract. The work to be performed is more fully described in Exhibit "A" attached hereto, which, with any maps or drawings thereto attached, are made a part of this contract. The Government will contribute to the cost of this work as hereafter provided.

ARTICLE 4. *Performance of the work.*—(*a*) *Operator's responsibility.* The work shall be performed efficiently, expertly, in a workmanlike manner, in accordance with good mining standards and State regulations for health and safety and for workmens' compensation and employers' liability insurance, with suitable and adequate equipment, materials, and labor, to bring the project to completion within the time fixed. To the extent specified in Exhibit "A," attached hereto, the work may be performed by independent contractor or contractors; and work not specified in Exhibit "A" for performance by independent contractor may nevertheless be so performed upon amendment of Exhibit "A," as agreed to by the parties, to state the work to be so performed and the estimated unit costs thereof, as provided hereafter.

(*b*) *Independent contracts.*—Any independent contract for the performance of work shall be on a unit-price basis (such as per foot of drilling, per foot of drifting, per hour of bulldozer operations, per cubic yard of material moved), or on some basis that will indicate the amount due for work performed at any stage of the work to be performed under such independent contract. The Government shall not be nor be considered to be a party to any such independent contract, and the Government's right to terminate the exploration project contract under any of its provisions shall not in any manner be affected by reason of any such independent contract. If the reference in Exhibit "A" to any such independent contract states that the Government's approval thereof is required, the Government may refuse to participate in the cost thereof unless and until it has given its written approval of the independent contract.

(*c*) *Government may inspect.*—The Government shall have the right to enter and observe and inspect the work at all reasonable times, and the Operator shall provide the Government with all available means for doing so. The Government may consult with and advise the Operator on all phases of the work.

ARTICLE 5. *Estimated costs of the project.*—A statement of the estimated cost of the project is set forth in Exhibit "A," attached hereto. Except insofar as any item of requirement or the estimated cost thereof set forth in Exhibit "A" is there or elsewhere designated as an "allowable maximum," such items of requirement and of related cost are estimates only, and may be exceeded to the extent that the Government may from time to time approve for the most economic and beneficial performance of the work within the limitation of the total aggregate estimate of costs. The Government's approval of any such excess over the estimate for an item of requirement or related cost will be signified by its approval and payment of any invoice or voucher for payment which expressly calls attention to such excess. Items expressly designated in Exhibit "A" or elsewhere as "allowable maximum," and the total aggregate estimated cost are limitations, and any excess therein will be for the sole account of the Operator in which the Government will not participate.

ARTICLE 6. *Allowable costs of the project.*—(*a*) The costs of the project in which the Government will participate are limited to the following:

(1) *Independent contracts.*—Payments to independent contractors under independent contracts listed in Exhibit "A." The estimated cost of any work to be performed under an independent contract is or shall be included in the estimate of costs in Exhibit "A" in terms of the estimated numbers of units of work to be performed, the estimated amount to be paid per unit, and the estimated total amount to be paid to the independent contractor, and such estimates shall be allowable maximums above which the Government will not contribute. Regardless of the provisions of any such independent contract, the Government will participate in the payments to the independent contractor only on account of work actually performed and that conforms with the provisions of the exploration project contract, and only to the extent that the Government deems the unit prices for the work under the independent contract to be reasonable and necessary. No such independent contract shall have the effect of increasing the estimated total cost of the exploration project contract nor the maximum amount which the Government will pay as provided in the exploration project contract.

(2) *Labor, supervision, consultants.*—Labor, supervision and technical services (including engineering and geological consultants), a schedule of which is included in the estimate of costs set forth in Exhibit "A." The requirements and related estimated costs for supervision and technical services are allowable maximums.

(3) *Operating materials and supplies.*—Necessary materials and supplies including items of equipment costing less than $50.00 each, and power, water, and fuel, a schedule of which is included in the estimate of costs in Exhibit "A."

(4) *Operating equipment.*—Any operating equipment to be rented or purchased, or which is owned and will be furnished by the Operator, with the estimated rental, purchase price, or the allowable depreciation, as the case may be, a schedule of which is included in Exhibit "A." Any items listed as owned and to be furnished by the Operator, and related initial allowable depreciation, are allowable maximums.

(5) *Rehabilitation and repairs.*—Any necessary initial rehabilitation or repairs of existing buildings, installations, fixtures, and movable operating equipment, now owned by the Operator and to be devoted to the purposes of the exploration contract, a schedule of which is included in the estimate of costs set forth in Exhibit "A." These items are allowable maximums.

(6) *New buildings, improvements, installations.*—Any necessary buildings, fixed improvements, or installations to be purchased, installed, or constructed for the purposes of the exploration work, with the estimated cost of each, a schedule of which is included in the estimate of costs in Exhibit "A." All of these items are allowable maximums.

(7) *Miscellaneous.*—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.

(8) *Contingencies.*—Such other necessary, reasonable direct costs of performing the exploration work, within the limit of the total aggregate estimate of costs, whether or not included in any schedule of costs in Exhibit "A," as may be approved by the Government in the course of the work, as indicated by its approval and payment of invoices and vouchers.

[1] If sufficient space is not provided in any blank, use an extra sheet of paper and refer to it in the blank.
[2] State name, address, and nature of organization if any.
[3] Give legal description or enough to identify the property, particularly excluding any land or interest therein to which the Government's lien is not to attach or the production from which is not to be subject to the Government's percentage royalty.
[4] Strike out the provision not applicable.
[5] Name of mineral or minerals.

(*b*) The Government's payments in all cases will be based on actual, necessary costs (including contract unit prices) incurred not in excess of any "allowable maximum," and not in excess of the fixed percentage of the total aggregate estimated cost. Costs will be considered to be incurred only as they are or become due and payable.

(*c*) 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 this contract, shall be allowed as costs of the project in which the Government will participate.

ARTICLE 7. *Reports, accounts, audits.*—(*a*) *Progress reports.* The Operators shall provide the Government with monthly reports of work performed and costs (including contract unit prices) incurred under the contract, in quintuplicate (five copies), upon forms provided by the Government. These progress reports shall be certified by the Operator, and shall constitute both the Operator's invoice of costs incurred on the project during the period covered by the report and his voucher for repayment by the Government, unless the Government requires the use of a standard voucher form with invoice attached. Progress reports shall include surface and/or underground engineering-geological maps or sketches showing the progress of the exploration, with assay-reports on samples taken concurrently with the advance in mineralized ground.

(*b*) *Final report.*—Upon completion of the exploration work or termination of the contract the Operator shall provide the Government with an adequate geological and engineering report, in quintuplicate (five copies), including an estimate of ore reserves resulting from the exploration work.

(*c*) Compliance with requirements.—If, in the opinion of the Government, any of the Operator's reports are insufficient or incomplete, the Government may procure the making or completion of such reports and attachments as an expense of the exploration work; and the Government may withhold approval and payment of any vouchers depending upon insufficient or incomplete reports.

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

ARTICLE 8. *Payments by the Government.*—(*a*) The Government will pay 50 percent of the allowable costs incurred, as they accrue, in an aggregate total amount not in excess of $28,950.00, which is 50 percent of $57,900.00, the agreed, estimated total cost of the project in which the Government will participate; *Provided,* that until the Operator's final report and final accounting have been rendered to the Government, 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 ten (10) percent of the maximum total which the Government might have been called upon to pay under the terms of the contract.

(*b*) The Government may make any payment or payments direct to independent contractors and to suppliers, for the account of the Operator, rather than to the Operator.

ARTICLE 9. *Repayment by Operator.*—(*a*) If, at any time, the Government considers that a discovery or a development from which production may be made has resulted from the exploration work, the Government, at any time not later than 6 months after the Operator has rendered the required final report and final account, may so certify in writing to the Operator. The certification shall describe broadly or indicate the nature of the discovery or development. In the event of such certification, any minerals mined or produced from the land described in Article 2 within 10 years from the date of this contract, including any mined or produced before the certification, shall be subject to a percentage royalty which the Operator or his successor in interest shall pay to the Government, upon the net smelter returns, the net concentrator returns, or other net amounts realized from the sale or other disposition of any such production, in whatever form disposed of, including ore, concentrates, or metal, until the total amount contributed by the Government, without interest, is fully repaid, or said 10 years have elapsed, whichever occurs first, as follows:

(1) One and one-half (1½) percent of any such net amounts not in excess of eight dollars ($8.00) per ton.

(2) One and one-half (1½) percent of any such net amounts, plus one-half (½) percent of such net amounts for each additional full fifty cents ($0.50) by which such net amounts exceed eight dollars ($8.00) per ton, but not in excess of five (5) percent of such net amounts.

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

(*b*) As here used, "net smelter returns," "net concentrator returns," and "other net amounts realized from the sale or other disposition," mean gross revenue from sales; or if not sold, the market value of the material after it is mined in the form in which and the place where it is held. In the case of integrated operations in which the material is not disposed of as such, these terms mean what is or would be gross income from mining operations for percentage depletion purposes in income-tax determination.

(*c*) To secure the payment of its percentage royalty, the Government shall have and is hereby granted a lien upon the land described in Article 2 and upon any production of minerals therefrom, until the royalty claim is extinguished by lapse of time or is fully paid.

(*d*) This article is not to be construed as imposing any obligation on the Operator or the Operator's successor in interest to engage in any mining or production operations.

ARTICLE 10. *Assignment, transfer, or loss of Operator's interest.*—Without the written consent of the Government, the Operator shall not assign or otherwise transfer or hypothecate this contract or any rights thereunder. The Operator shall not make any voluntary nor permit any involuntary transfer or conveyance of the Operator's rights in the land described in Article 2, without making suitable provision for the preservation of the Government's right to a percentage royalty on production and lien for the payment thereof; *Provided,* that mere failure by the Operator to maintain the Operator's rights in the land, without any consideration running to the Operator other than relief from the cost of maintaining such rights (as by surrender of a leasehold, failure to perform assessment work, or failure to exercise an option), coupled with complete abandonment by the Operator of all interest in or operations on the land for a period of 10 years from the date of this contract, shall not constitute such a transfer or conveyance. Should the Operator make or permit any transfer or conveyance in violation of this provision, the Operator shall be and remain liable for payment to the Government of the same amounts, at the same times, as would have been paid under the terms of the percentage royalty on production. If for any reason the net smelter returns, net concentrator returns, or other net amounts realized from the sale or other disposition of such production are not available as a means of measuring the amount of the Operator's liability, the amount thereof shall be estimated as well as may be, and in the event of dispute as to such estimates, the determination thereof by the Administrator of Defense Minerals Exploration Administration or by his successor shall be final and binding upon the Operator.

ARTICLE 11. *Title to and disposition of property.*—All facilities, buildings, fixtures, equipment, or other items costing more than $50.00 each, paid for or purchased with funds contributed jointly by the Operator and the Government, although title may be taken in the name of the Operator, shall belong to the Operator and the Government jointly, in proportion to their respective contributions, and upon the completion of the work or the termination of the contract shall be disposed of promptly by the Operator for the joint account of the Government and the Operator, either by return to the vendor, by sale to others, or purchase by the Operator at a price at least as high as could otherwise be obtained, as may appear to be for the best interest of the Government, unless the Government, in writing, waives its interest in any such item. If necessary to accomplish such disposition, the Operator shall dismantle, sever from the land, and remove any such item, the cost thereof to be for the joint account of the parties in proportion to their respective interests. If the Operator, within 90 days after the receipt of written notice from the Government, fails, neglects, or refuses to dispose of such property, the Government may itself enter upon the land, take possession of, and remove and dispose of any such property as above provided.

ARTICLE 12. *Termination and completion.*—The Government may, at any time, by written notice to the Operator, terminate this contract: (*a*) If the Operator fails to provide his share of the money necessary to prosecute operations pursuant to the terms of the contract; (*b*) if the Operator, in the opinion of the Government, fails to prosecute operations pursuant to the terms of the contract; or (*c*) if in the opinion of the Government, operations up to the time of the notice have not indicated the probability of making any worth while discovery and in the opinion of the Government further operations are not justified. Upon the completion of the project or any termination of the contract the Operator shall dispose of any remaining materials, supplies, facilities, buildings, fixtures, and equipment in which the Government has an interest, for the joint account of the Operator and the Government in the proportion of their respective interests; shall render to the Government a full and final accounting of his operations under the contract and his expenditures of money; and shall pay to the Government its pro rata share of any money remaining.

ARTICLE 13. *Changes and added provisions.*

Executed in sextuplicate the day and year first above written.

THE UNITED STATES OF AMERICA

By C. D. Mittendorf
Acting Administrator, Defense Minerals Exploration Administration

J. R. Simplot Company
(Operator)

By Robert I. Troxell
Executive Vice President

I, JOHN M. DAHL, certify that I am the secretary of the corporation named as Operator herein; that ROBERT I. TROXELL, who signed this contract on behalf of the Operator, was then EXECUTIVE VICE PRESIDENT 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.

John M. Dahl

[CORPORATE SEAL]

U. S. GOVERNMENT PRINTING OFFICE 16—66328-1

EXPLORATION PROJECT CONTRACT
J. R. SIMPLOT COMPANY
DOCKET NO. DMEA-2396

EXHIBIT "A"

Description of the Work

The purpose of this project is to explore and test the productive possibilities of a fluorspar vein, known as the Bear Trap Vein, now partly proven by 8 diamond drill holes.

An adit site will be prepared; an open cut will be made; and an adit will be driven at the elevation of contour 6,900 feet and northwesterly parallel to the plane of Section C-C', as indicated on map attached hereto.

The adit will be driven a distance of approximately 400 feet, to cut the Bear Trap Vein at a slope distance on the vein of about 250 feet from surface. After the adit cuts the vein, drifting will be done following the vein in both directions to explore a total length of 900 feet. The vein will be further tested by raises (or winzes) totaling 400 feet. The combined footage of all work shall not exceed 1,700 linear feet.

A building to house tools and compressor, and a bunkhouse will be built by the Operator at no cost to the project.

Approximately 1,500 feet of road construction work will be performed in connection with the project.

The location, direction and extent of all work is subject to the approval of the Government.

Estimated Costs of Project
(* indicates allowable maximum)

Unit Costs

1,700 linear feet of drift, adit and raise or winze work @ $31.50 per foot, including all costs of the work except those scheduled below.	$53,550.00*

The Government will contribute to the costs of drift, adit and raise or winze work on the basis of this agreed, estimated unit cost, in lieu of actual costs. The Government also will contribute to the costs scheduled below on the basis of actual costs.

(1) Independent Contracts

None

(2) Labor, Supervision, Consultants

Road construction	$1,000.00	
Open cut of adit and clearance for portal of adit	1,500.00	$ 2,500.00*

NOTE: The estimated costs of work under this schedule include the costs of materials, supplies and all other costs.

(3) Operating Materials and Supplies

Schedule waived as to those items of work scheduled under (2) Labor, Supervision, Consultants.

(4) Operating Equipment

None

(5) Rehabilitation and Repairs

None

(6) New Buildings, Improvements, Installations

None

(7) Miscellaneous

Assaying and sampling	200.00

(8) Contingencies

Unforeseen mine timbering	1,650.00*
Total estimated cost of project	$57,900.00*
Government participation @ 50%	$28,950.00*

Docket No. DMEA-2396
Fluorspar
Chamac Mine
Lemhi County, Idaho

ANNEX I

The six unpatented mining claims, Crystle No. 1, Crystle No. 2, Crystle No. 5, Crystle No. 6, Crystle No. 7, and Crystle No. 12, more fully described in the Record of Location Notices, Book II, pages 42, 43, 46, 48, and 53, County Recorder's Office, Lemhi County, Idaho.

APPENDIX II

G U A R A N T Y

In consideration of the waiver by the United States of America of the requirement of a landlord's subordination agreement as set forth in paragraph 2(b) of the attached Exploration Project Contract between the undersigned and the United States of America, the undersigned hereby guarantees the payment to the Unites States of America of royalties, as specified in paragraph 15 of said Contract, upon any and all ore discovered or developed as a result of said Contract, which is mined within 10 years from the date of said Contract, whether or not the undersigned has any interest in the property covered by the said Contract or any part in the mining operations at the time said ore is mined. If for any reason the net smelter returns from operations that would be subject under said contract to such payments to the United States of America are not available as a means of measuring the amount of such payment, then the undersigned agrees and undertakes to make such payment according to the best estimates of the amount that can reasonably be made, and in the event of dispute as to such estimate, the undersigned agrees that the determination thereof by either the Administrator of Defense Minerals Administration or by the Director of the United States Bureau of Mines shall be final and binding upon the undersigned; provided, however, that should undersigned, prior to the accrual of any obligation to pay under this guarantee, furnish to the United States the subordination agreement required by paragraph 2(b) of said contract this covenant shall thereupon become fully satisfied and of no further force or effect.

Dated this 28th day of April 1953.

FLUORSPAR MINES, INC.

By [signature]
President.

Form MF-103
(Revised June 1951)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Budget Bureau No. 42-R1035.1.

MF-103 Should Be Filed With General Technical Data Form MF-100

APPLICATION FOR AID FOR AN EXPLORATION PROJECT PURSUANT TO MINERAL ORDER 5, UNDER DEFENSE PRODUCTION ACT OF 1950

Not To Be Filled in by Applicant

Docket No. DMEA-2396
Metal or Mineral
Date Received 2-29-52
Amount $
Participation (Government %)

J. R. SIMPLOT COMPANY
CONTINENTAL BANK BUILDING
BOISE, IDAHO

Name and address of applicant

Date January 10, 1952

If you have already filed MF-100, give date filed _____, type of assistance requested _____,

DMA Docket Number (if available) _____

INSTRUCTIONS

Read Mineral Order 5, Regulations Governing Government Aid in Defense Projects, before completing this application. Submit four copies each, of the signed application form, General Technical Data Form MF-100, and answers to questions as specified, to Defense Minerals Administration, Department of the Interior, Washington 25, D. C., or to the nearest field executive office thereof, with your name and address on each sheet of the application and all accompanying papers. If you have previously filed MF-100, it is not necessary to file it again. However, you should indicate in space provided above the type of assistance previously applied for (loans, procurement contracts, etc.) and DMA Docket Number, if available. *When a question is inapplicable it should be so stated in the form.* Additional sheets should be attached in answering any questions or in supplying additional information. IF YOU CANNOT ANSWER A QUESTION, SO STATE.

1. (*a*) Give a description of the real property that will be in any way involved in the exploration project, including any existing mine or operating property. See MF-100 and Report

   (*b*) If you are not the owner of the property, submit a copy of the lease, purchase option, or other agreements under which you are authorized to operate the property with each copy of your application.

   (*c*) Give the legal description of the exact parcel, plot, or area upon which the exploration is to be conducted.

   NOTE: (1) If both areas are the same, so state. The only obligation to repay the Government is from the net earnings from any commercial discovery made in the area specified in (*c*) above in which the exploration is to be conducted, and the expenditure of funds which may be charged as costs of the project must be limited to that area or to work necessary to perform the exploration in that area.

   (2) If applicant is not the owner of the property or if there are any liens or encumbrances against the property, copy of agreements of claimants, lienors, encumbrances, and lessors subordinating their interests in the property to the interest of the Government under the Exploration Project Contract will be required for attachment to the Contract.

2. (*a*) What metals or minerals do you expect to find? Fluorspar

   (*b*) Furnish statement of the geologic features of your property, giving type of ore deposit and reasons for discovery of commercial ore bodies. Illustrate with maps or sketches. If you have a geologic or engineering report or assay maps showing width and grade, please send them with application, stating whether or not you wish to have them returned.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
FEB 29 1952

See reports and maps

The information requested in questions 3, 4, 5, 6, 7, 8, and 9 below should be answered specifically and in detail, as this information will be attached to and incorporated as part of the Exploration Project Contract, if such contract is entered into with you by the Government.

ANSWER EACH QUESTION ON SEPARATE SHEETS OF PAPER AND SUBMIT A COPY OF EACH ANSWER FOR EACH COPY OF YOUR APPLICATION.

3. (*a*) Describe fully the proposed work and give the total cost of the project.

   (*b*) State the time required to start the project and to complete it.

4. Submit a map or sketch of the property involved showing a plan (and cross section, if needed) of the present mine workings and the *location of the proposed exploration work* as related to geologic features, such as contacts, veins, ore-bearing beds, etc.

5. Furnish an itemized list of existing facilities, buildings, installations, and fixtures with a statement of the cost of any necessary rehabilitation or repairs to put into useful and operable condition. None

6. Furnish a detailed list of additional facilities, buildings, and fixtures to be purchased, installed, or erected by you, with the estimated cost of each item.

7. Furnish a detailed list of operating equipment, separated into items to be—

   (*a*) Rented

   (*b*) Purchased

   (*c*) Furnished by you

   with the rental, purchase price, or depreciation of each item, as the case may be, to be charged as a cost of the project.

8. Furnish an itemized schedule of labor, by numbers and classes (miners, muckers, etc.) and of supervisors by numbers and positions, with the maximum wages or salaries to be paid to each.

9. Furnish a detailed list with estimated cost of each item for materials, supplies, engineering, assaying, accounting, power, water, utilities, and any other items not provided for above.

10. (*a*) How much are you prepared to invest in the proposed project?

    (*b*) Is this amount sufficient to pay your part of the cost of the project, in accordance with the regulations on Government participation (Sec. 9 of MO–5)?

11. State any conditions or circumstances regarding the property not sufficiently brought out by the foregoing questions.

CERTIFICATION

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

J. R. SIMPLOT COMPANY
(Name of company)

By John M. Dahl
(Signature of authorized official)

JANUARY 10, 1952
(Date)

Secretary Treasurer
(Title)

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—64067-2

1. See Form MF-100

2. See Form MF-100

3.(a) Proposed work includes the following:

1. Bear Trap (Crystle) Vein:

1. Construction of housing and surface facilities (See Paragraph 23).

2. Construction of .25 mile of an access road from the present road (6,800 ft. elevation) along the south slope of the mountain to the tunnel site (6,900 ft. elevation) (See map).

3 3. Driving of 450 ft. of crosscut to intersect the Bear Trap vein in the vertical plane of diamond drill holes #3 and #5, at an elevation of 6,900 feet. The above to cut the vein at the optimum point as indicated by diamond drilling and surface exploration.

4. Driving of 900 ft. of drift (450 ft. each easterly and westerly from the crosscut).

5. Driving of three raises for a total of 750 ft. One raise to be driven approximately 50 ft., east of the crosscut, one raise to be driven 400 ft., east of the crosscut, and one raise to be driven approximately 400 ft. west of the crosscut. The raises to be driven for distances varying from 220 ft. to 270 ft. (this being considered the economic limit for driving slusher raises). After blocking the ore out in this

manner, the driving of a sublevel would be done by the Company.

II. Powder House Vein:

1. Construction of .6 mile of access road from the M.M. portal to tunnel site.

2. Driving of 220 ft. of crosscut. 400 ft. of drift to be driven 200 ft. east and 200 ft. west of the crosscut.

Note: Due to the short distance to the surface (120 ft. on the dip of the vein), no raises are considered necessary for exploration purposes.

It is estimated that two months will be required to construct housing for additional men required for the project. Construction of access roads could progress simultaneously.

The total cost of the project is estimated at $217,180.00. See Items 6, 7, 8, 9 and 10.

(b) The Bear Trap project would be completed in 15 months after completion of the housing and access roads.

The Powder House project could be completed within 90 days after completion of the Bear Trap (employing the same equipment). With allowance for unforseen delays, the entire project should be completed in 22 months.

4. See Maps.

5. None

6. Facilities and Building:

7 Dwellings - 4-3 room with bath	
3-2 room with bath	$36,000.00
(complete with utilities, sewage disposal, etc.)	
1 50' x 18' Compressor house and shop	3,000.00
1 75 to 100 Ton ore bin	3,000.00
.85 Mile access roads and site preparation (rock)	4,500.00

7. (a) $108,590.00
Operating equipment to be purchased:
(b) Yes

		Estimated Price
900'	Track (20# Rail) with switches	$ 1,500.00
1	Shovel loader (Eimco 12B or Equivalent)	3,200.00
1	Battery or Diesel locomotive	8,000.00
8	Mine cars	3,000.00
2	3" Automatic Drifter rock drills	2,200.00
1	600 Cu. Ft. Compressor	16,000.00
3	10' x 30" Air Receivers	900.00
200'	2" Air hose	300.00
1000"	4" Air pipe (B.I.)	1,400.00
400'	2" Air pipe (B.I.)	800.00
1500'	1" Water pipe (B.I.)	600.00
300'	1" Air Hose	450.00
200'	1/2" Water hose	200.00

	2	500 Gallon capacity water pressure tank	$ 300.00
	2	100# Stoper rock drills	1,600.00
	3000	Rock bits	1,500.00
	2	5 H.P. D.D. Hoist, complete w/hoe and sheaves	1,500.00
	1	7 1/2 H.P. D.D. Hoist, complete w/hoe and sheaves	1,800.00
	1	Pickup truck w/4 speed transmission	1,850.00
	1	1 1/2 T. Flat bed truck (used)	2,000.00
		Miscellaneous valves and pipe fittings	500.00
		Stoper and drifter drill steel	800.00
		Hand tools and shop equipment	3,000.00
	2000'	Vent tube	2,200.00
	1	15 H.P. Diesel Generator (used)	2,500.00
	1	Electric driven blower	800.00
8.		Labor and Supervision:	
	5.	Miners (Average) $14.25 per day inc. Soc. Sec., etc. for 20 Mos., 25 working days - 2500 x $14.25	35,725.00
	1	Truck driver and maintenance man, 500 x $13.25	6,625.00
	1	Engineer-Supervisor, $500 Mo. x 20	10,000.00
9.	50,000	Bd. Ft. Dimensional mine timber @ $65/M	3,250.00
	4,000	Lineal Ft. Round timber @ $20/Ft.	800.00
		Diesel Fuel, 250 Gal. per day x 500 x $1.81	22,625.00

Explosives @ $2.00 per ft. of heading x 2,710'	5,420.00
Rock Bit sharpening	1,500.00
Truck and pickup maintenance and operation	1,200.00
Accounting, 20 Mos. @ $200 per mo.	4,200.00
Assaying	300.00
Engineering and office supplies	500.00
Total	$197,345.00
10% contingency allowance	19,735.00
Grand Total	$217,080.00

10. (a) $108,590.00
(b) Yes

11. Due to encouraging results from 8 diamond drill holes, and surface exploration (See accompanying map, report and diamond drill logs) on the Bear Trap vein, a development of a large tonnage of commercial ore (50% CaF_2) can reasonably be expected to result from the proposed exploration. Development, and subsequent mining, of the Big Lead has proven a larger and higher grade ore body than indicated by diamond drilling.

If fully successful, the Big Lead program should develop:

$$\frac{900 \times 6 \times 240}{11} = 117,700 \text{ gross tons of } 50\% \ CAF_2 \text{ ore}$$

The Powder House vein has been explored only by hand trenching and stripping the outcrop. Geologically, this vein is one of the strongest structures in the area. Along the outcrop, 18" - 48" of 70 + % ore is underlain by mineralized foot wall material 5' - 25' wide with an indicated assay value of 20% - 35% CaF_2.

Thus, it can be reasonably expected that 5' of 50% ore should be developed. The exploration project for this vein has, as an objective, the development of:

$$\frac{400 \times 5 \times 120}{11} = 21{,}000 \text{ gross tons of } 50\% \ CaF_2$$

The entire program should develop approximately 138,700 gross tons of 50% CaF_2 ore.

No diamond drilling has been proposed due to:

1. The difficulty in obtaining high core recoveries.

2. The excessive cost of hauling water or providing a pump installation for a limited program.

3. The favorable outlook for underground exploration.

The south slope of the mountain was chosen for the Bear Trap Adit Site rather than the north slope due to:

1. Severe snow and ice conditions on the north slope during six months of the year.

2. Increased cost of site preparation (Paucity of overburden would necessitate removal of rock for entire site).

3. Dump from North Slope site would cover North Pit area, where future mining is contemplated.

4. South Slope site is .8 miles nearer camp for transportation of men, equipment and supplies.

Form MF-100
(March 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Form approved.
Budget Bureau No. 42-R1026.

GENERAL TECHNICAL DATA FOR USE UNDER THE DEFENSE PRODUCTION ACT OF 1950

NOT TO BE FILLED IN BY APPLICANT

Docket No. DMEA-2396

Date received 2-29-52

J. R. SIMPLOT COMPANY
CONTINENTAL BANK BUILDING
BOISE, IDAHO

Name and address of applicant

Date January 10, 1952

INSTRUCTIONS

This form is to be filed with Defense Minerals Administration, Department of the Interior, Washington 25, D. C. It should be accompanied by appropriate application form when a specific type of Government assistance is requested, in the form of (1) loan, (2) purchase contract, (3) Government guarantee of a private loan, (4) Necessity Certificate pursuant to the provisions of Sec. 124-A (Amortization Deduction) of Internal Revenue Code, 1950, (5) priorities or allocation of mining equipment, and maintenance, repair and operating supplies, and (6) other forms of Government assistance that might arise under the Act. Submit four (4) signed copies of the form and accompanying papers. Name and address should be stamped or typed on each sheet of this form and all accompanying papers. *When a question is inapplicable it should be so stated on the form.* Additional sheets may be attached in answering any questions or in supplying additional information. (IF YOU CANNOT ANSWER A QUESTION, SO STATE.) If a question is answered elsewhere indicate where answered. It is not necessary to answer it again.

GENERAL TECHNICAL DATA

Supply the following information on separate sheets, arranged, numbered, and lettered as indicated:

1. Materials produced:
   (*a*) What are the chief mine, mill, or smelter products?
   (*b*) What are the byproducts, if any?
2. Name(s) and type(s) of mine(s), mill(s), smelter(s), refinery(ies), pit(s), quarry (ies), drilling operation(s). Include old names of property, if any. Show extent of workings, including the following:
   (*a*) Linear feet of shafts.
   (*b*) Linear feet of drifts and crosscuts.
   (*c*) Linear feet of tunnels or adits.
   (*d*) Linear feet of other mine openings (explain briefly).
   Indicate whether mine is flooded or not. Describe any pumping problems. Give size or productive capacity.
3. For each operation listed above supply the following:
   (*a*) Distance and direction from nearest town and shipping point.
   (*b*) Mining district.
   (*c*) Township, Section, Range.
   (*d*) County, State.
4. (*a*) State whether or not property is now in operation, and if in operation, by whom operated.
   (*b*) Are you operating this property as:
   ☐ Owner.
   ☐ Lessee.
   ☐ Contractor.
5. Number of years in production _____
   If not in production or operation, estimated date when production will begin _____
6. Experience of operators:
   Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who manage the project.
7. History:
   (*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for suspension of operation.
   (*b*) State briefly the known history and production of adjoining and neighboring properties.
   (*c*) Furnish any available (private) reports that may apply to this application, including results of mine examinations, recommended exploration and development, and metallurgical investigations.

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Defense Minerals Administration
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16—63792-1

8. Names and addresses of Officers, Directors, or Partners, and in addition thereto, the five largest stockholders if applicant is a corporation.

Name and Address (a)	Official Title (If officer is also director indicate by "D") (b)	Total of Annual Salary, Commissions, Bonuses, Etc., Received From Applicant and Affiliates During Last Fiscal Year (c)	Estimated Net Worth Outside of Interest in Applicant (d)	Number of Shares Held in Applicant Corporation: Common (e)	Number of Shares Held in Applicant Corporation: Preferred (f)	Life Insurance Carried for Benefit of Applicant: Amount (g)	Life Insurance Carried for Benefit of Applicant: Net Cash Surrender Value After Loans (h)
J. R. Simplot Boise, Idaho	President D	-0-	1,000,000	None	None	None	None
Robert I. Troxell Boise, Idaho	Exec.V.Pres & Genl. Mgr. D	-0-	50,000	"	"	"	"
Leon C. Jones Caldwell, Idaho	Vice Pres. D	12,000	50,000	"	"	"	"
E. W. Hansen Pocatello, Idaho	Vice Pres.	10,000.	25,000	"	"	"	"
W. Grant Kilbourne Boise, Idaho	Vice Pres.	12,000	25,000	"	"	"	"
John M. Dahl Boise, Idaho	Secy-Treas.	12,000	25,000	"	"	"	"
	Total	46,000.00	x x x x x			x x x x x	x x x x x

If more lines are needed continue on separate sheet.

9. Capital Stock Issues:

For Corporate Applicants

Item	Authorized (a)	Outstanding (b)	Par Value (c)	Number of Shares Outstanding (d)	Dividend Rate Last Paid* (e)
Common stock	$50,000.00	$ 25,000.00	$ 100.00	250	None Paid
Preferred stock	$ None	$ None	$ None	None	None

*Indicate period covered.

10. Production:

Item	Kind of Product (a)	1948 Total (b)	1949 Total (c)	1950 Total (d)	Present Average Monthly (e)
1. Quantity of product mined or quarried (Short, long, metric tons; barrels; pounds; etc.)	Fluorspar	None	None	None	2,000 tons
2. Quantity of product processed (specify unit of measure and type of process)					
3. Quantity and grade of product sold or shipped (specify units of measure)	Acid Grade Fluorspar	None			600 tons

11. Do you contemplate a change in the present average monthly rate of production? If so, state estimated maximum monthly production and basis of change.

12. Ore or Mineral Reserves:

(a) Describe the ore or mineral deposit briefly. Accompany the application by any available report on the geology and ore reserves.

(*b*) If deposit is other than placer:

(1) Submit assay plans and/or sections showing location and size of proved (measured) and probable (indicated) ore or mineral reserve.

(2) State the tonnage (indicate type of ton) and grade of each class of ore reserve, as above, and show how computed. Tabulated total ore reserve as follows:

TOTAL ORE OR MINERAL RESERVES

Ore or Mineral Reserve	Estimated Tons (a)	Metal or Mineral Content Per Ton (Grade) (b)	Gross Value Per Ton (c)	Recoverable Unit Value Per Ton (d)	Estimated Cost of Production Per Ton (e)
Measured (proved)	25,000	50% CaF_2	$30.00	$24.00	$17.50
Indicated (probable)	600,000	45% CaF_2	$27.00	$21.60	$17.00

(*c*) If placer:

(1) Give estimated total yardage and average marketable mineral content of each deposit.

(2) Submit map showing location of placer deposit and surrounding area, with all test holes or pits. Submit logs of each hole and test pit with depth and average value of each.

(3) Describe gravel, stating whether fine, medium or coarse; loose, tight, cemented, or frozen, and whether it contains stumps or boulders more than 1 foot in diameter; if so, how large, and in what proportion.

(4) Describe bedrock, giving type (granite, sandstone, shale, etc.) and state whether it is hard or soft, smooth, uneven or rough.

(5) Describe overburden, stating whether loose, tight, or cemented; fine or coarse textured; furnish estimate of average thickness and total amount.

(6) Tabulate the reserves using the form outlined above for ore or mineral reserves.

13. Access Roads:

Give road distances to shipping, supply and residence points, stating kind and condition of roads.

14. Water Supply:

State source and quantity of water available for operations and whether sufficient for all seasons of year.

15. Power:

State amount of power used, rate per hour, and source thereof.

16. Labor:

State number and classes (miners, muckers, millmen, etc.) of men employed during a recent representative payroll period.

17. Equipment and Facilities:

Describe present equipment on the property, including buildings. (State condition.) List major pieces of equipment now owned or controlled and in serviceable condition available for this operation.

18. Are there any particular conditions or circumstances affecting your operations that are not described above? If so, explain.

CERTIFICATION

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

J. R. SIMPLOT COMPANY
(Name of company)

By John W. Dahl
(Signature of authorized official)

January 10, 1952
(Date)

Secretary Treasurer
(Title)

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—63792-1

Addenda to MF-100, Page 1
J.R. Simplot Company
P. O. Box 912
Pocatello, Idaho

The following information is in answer to questions on Form MF-100 with regard to our Fluorspar Mines:

1. (a) Acid grade Fluorspar

   (b) None

2. Chamac Mine, combination open pit and underground mine.

   (a) None

   (b) 220 ft.

   (c) 540 ft.

   (d) 220 ft. of raises to develop Big Lead stope. 600 ft. of trenching. No water, 90 tons 50% CaF_2 ore per day.

3. (a) 54 miles NW of Challis, Idaho (nearest town) and 106 miles NW of Mackay, Idaho, the nearest rail shipping point.

   (b) Gravel Range Mining District.

   (c) Sections 30 and 31 Township 18 N., Range 17 E., and Section 25, Township 18 N., Range 16 E., Boise Meridian.

   (d) Lemhi County, Idaho.

4. (a) Yes, by J. R. Simplot Company, Pocatello, Idaho.

   (b) Owner.

5. New operation. Production started August, 1951.

6. (a) Operating Company has been active in the mining and exploration of Phosphate for the past 5 years, also in the mining of Barite for the past 3 years. Currently we are also mining Uranium bearing

Carnotite ore from our Colorado Plateau operations. Extensive exploration and development has been done, and is being carried on at the present time, in the fields of Uranium, Phosphates and Iron Ore.

(b) The Manager of our Fluorspar Mine has had 15 years Engineering and operating experience. He has a B. S. Degree in Geological Engineering.

7. (a) 1942 - Property examined by Idaho Bureau of Mines and Geology.

1943 - Beginning of U. S. Bureau of Mines Project 2009; bulldozing and surface sampling by S. H. Lorain in charge. Beginning of U. S. G. S. Strategic Minerals Investigation; Tpopgraphic and Geologic Mapping by D. Cox. Property examined by J. L. Gillson, War Production Board Engineer.

1944 - U. S. Bureau of Mines Project 2009 continued. U. S. G. S. Strategic Minerals Investigation continued. Construction of a flotation mill.

1945 and 1946 - Miscellaneous exploration.

1947 - Diamond Drilling totaling 4,240 ft. by Aluminum Company of America.

1948 - Completion of field work by U.S.G.S. for purposes of Strategic Minerials Report.

1949 and 1950 - Examination, purchase and development by J. R. Simplot Company

(b) None

(c) See accompanying report.

8-9. See Form MF-100

10. See Form MF-100

11. Intend to increase production to 2,000 tons per month, after proving sufficient ore to justify.

12. (a) See accompanying report and map.

(b) 25,000 tons of 50% CaF_2 ore proven by development of Big Lead ore body to date.

600,000 45 4% CaF_2 ore indicated by diamond drilling and surface exploration (See accompanying report and maps).

13. To shipping point, 106 miles consisting of 48 miles of dirt road ad 58 miles of oiled surface; to supply point, 57 miles consisting of 48 miles dirt road and 9 miles oiled surface; to residence, 4½ miles of dirt road.

14. Duck Creek provides the source of water which is sufficient for all seasons.

15. 600 H.P. Diesel - Electric and direct Diesel.

16. 7 miners, 3 muckers, 7 mill operators.

17. Buildings include assay office, boarding house, bunk house, and dwellings in fair condition. Major equipment is as follows: One complete 100 ton per day flotation mill; one 315 Diesel Compressor; one 600 c.f.m. Compressor; two - 22D ft. Compressors; one mucking machine; four slushers; six 2 ton trucks; one TD-18 Tractor; one D-8 Tractor, one shovel loader;

mine rail and cars; rock drills and accessories; one pickup; and one Jeep. All equipment in good condition.

18. Mining site is located at an elevation of from 5,000 to 7,000 ft., and unusually bad road conditions prevail. This Company is now under contract with General Service Administration to supply Fluorspar Ore under Contract GS-OOP-723 (SCM) from the above described Mine. The undersigned Company and official executing this certificate on its behalf, hereby certify that the information contained in these accompanying papers is correct to the best of their knowledge and belief.

BY _____

_____

This is a report by W.H. Burgin, Raw Materials Department, Geneva Steel Company, written Oct. 10, 1949, in part abstracted and brought up to date by the applicant.
R. E. Van Oestine

February 21, 1950

Preliminary Report Chamac Mines Fluorspar Property

Location

The Chamac Mines Fluorspar deposits are located in unsurveyed Sections 30 and 31, Township 18 North, Range 17 East; and Section 25, Township 18 North, Range 16 East, Boise Meridian. Approximate location is 114° 31' West longitude and 44° and 51' north latitude. The deposit is 105.3 miles from Mackay, Idaho, via 43.3 miles of dirt road and 62 miles of paved highway. Mackay is the nearest shipping point on the Union Pacific Railroad.

The attached map gives the location with respect to principal roads, railroads, towns and cities in the near-by Idaho area.

Topography

The deposit is found at an altitude of 5,000 to 7,000 feet in a mountainous region with steep slopes of a mature intermediate erosion surface. Photographs and topographic maps accompanying this report clearly reveal the rugged nature of the area.

Climate

Climatic conditions are moderately severe from November to March with the temperature rarely exceeding 25° F. Precipitation is perhaps a little more than 20 inches annually and comes mostly during the spring and winter months. In the past, snow depth has not usually been enough to interfere with travel in and out of Meyers Cove.

Timber

With the exception of north slopes, the immediate area is almost barren of timber. However, the surrounding country-side is covered with considerable timber where slopes are not too steep.

Water Supply

The water supply from both Camas and Duck Creeks is ample for any anticipated Fluorspar mining and milling operation.

Power

Sufficient hydroelectric power could be developed within two miles of the mill for all anticipated needs.

Labor

Although the mine is located in a rather remote area, Challis, Idaho has always been headquarters for mining labor. Now that the Black Bird Cobalt mine is operating a short distance from the Chamac property, the securing of mine labor will be enhanced inasmuch as they are going to employ around 300 to 400 workers.

Property and Ownership

The property is composed of 72 unpatented claims and two mill sites, approximately 1500 acres, held by assessment by A. E. Chambers and under Sales Contract to J. R. Simplot. Surface rights also have been acquired to considerable acreage in the Camas Valley bottom between Meyers Cove and the property, and were acquired mainly in order to protect right-of-ways.

History

An outline of the history of the Chamac Mines property is listed below in chronological order:

1941 Undeveloped prospect examined and acquired by A. E. Chambers.

1942 Property examined by A. L. Anderson of the Idaho Bureau of Mines and Geology. Metallurgical tests on the Fluorspar ore made by L. S. Prater of the Idaho Bureau of Mines and Geology.

1943 Metallurgical tests by Salt Lake City Branch, Metallurgical Division, Bureau of Mines, U. S. Department of Interior. Metallurgical tests by J. H. Higinbotham, General Engineering Company, Salt Lake City, Utah. Construction of access road from Meyers Cove to Big Lead area by U. S. Bureau of Public Roads. Beginning of U.S. Bureau of Mines Project 2009; bulldozing and surface sampling; S. H. Lorain in charge. Beginning of U.S.G.S. Strategic Minerals Investigation; topographic and geologic mapping by D. Cox. Property examined by J. L. Gillson, War Production Board Engineer.

1944 U. S. Bureau of Mines Project 2009 continued.
U. S. G. S. Strategic Minerals Investigation continued.
One hundred ton per day capacity flotation mill constructed.
Mill test run of six days duration; J. H. Heginbotham in charge.
Short tunnel drived by A. E. Chambers into "A" vein system.
No further mining or milling operations due to uneconomic aspects of operation.

1945 Miscellaneous work by A. E. Chambers further exposing vein system.

1946 Stripping of a portion of the Big Lead vein by A. E. Chambers.

1947 Aluminum Company of America carried on a diamond drilling program drilling eight holes on the Big Lead vein totaling 2222½ feet, and eight holes on the Bear Trap and South veins totaling 4240 feet.

1948 Property was examined by R. E. Van Alstine for purposes of completing field work in preparation for publication of U.S.G.S. Strategic Minerals report. The property given preliminary examination by engineers of the J. R. Simplot Company staff.

1949 Further examination by engineers of the Simplot Fertilizer Company and property acquired by lease and option by J. R. Simplot.

Geology

Information pertaining to the geology of the area has been taken primarily from the writings of C. P. Ross, J. L. Gillson and A. L. Anderson, and from observations made by J. S. Martin, Engineer of the Simplot Fertilizer Co., and E. L. Spencer of the Westvaco Chemical Company, and the writer while on the property.

Ore Occurrence and Age

The ore occurs in both the Casto volcanics and the overlying Challis volcanics. The deposits are probably of Miocene Age and belong to the period of mineralization recognized in south and central Idaho as mid-Tertiary. (See Map 3.)

Structure

The intrusion of a mass of Miocene granite produced a broad dome or arch forming the principal structural features of the region. The longer axis of this structure strikes North 40° East and passes some miles to the northwest of Chamac Mine. Bending of the Casto volcanics of the south-east flank of the broad arch has produced smaller flexures striking North 55° - 75° East, with dips seldom exceeding 30°. The Challis volcanics, flanking the Casto, have an average dip of slightly over 50° to and beyond the town of Challis. Modification of the broad arch has produced minor flexures, and partial collapse has brought about the formation of many normal faults. Of these minor flexures, one of the largest is found at Meyers Cove, where locally the strata has a northwest strike with dips of 45° or more. The presence of many normal faults, which were probably formed at the time of the folding of the minor flexure, may have had a decided influence on the localizing of the mineral deposits in the Chamac Mines area.

Character of Veins

The ore bodies are found along the minor complex zones of fracturing trending North 45° East in the tuffaceous rock. The fluorite occurs as both fracture fillings and replacements in the wallrock. The veins contain seams of massive fluorite varying in thickness from a few inches to several feet and with stringers and embedded masses throughout much of the remainder. Vein outcrops are, generally speaking, quite prominent and locally covered by partially disintegrated tuffaceous material. The volcanics provide a series of bold outcrops, and the Fluorspar veins can be followed from outcrop to outcrop with comparative ease.

Surface Sampling by U.S.B.M.

Big Lead Vein
Crystle Veins
Veins in A trench area
Veins in B trench area
Veins in C trench area
Veins in D trench area

Diamond Drilling (Alcoa)

Big Lead Vein
Bear Trap Vein
South Vein

No Sampling or Drilling

Powerhouse Lead Vein

The question of persistence of ore in depth is important, and the writer does not attempt to reach any definite conclusions due to the lack of factual evidence. However, the fact that the veins outcrop over a vertical extent of some 2,000 feet lends some support to the idea that the veins do extend downwards to considerable depth. A study of the vein sections showing reserves developed by diamond drilling (see section on Ore Reserves) indicates a probable minimum

depth of 1,000 feet with a decrease in grade with increase in depth for the three veins drilled.

Since these veins are epithermal, they were subject to localization not only by structural influence but also the range of favorable temperature-pressure conditions.

Genesis

The deposits are epithermal since they were apparently formed at shallow depth. Ascending hydrothermal solutions along zones of fractures from a fairly deep magnetic source deposited the minerals forming the veins. The pink granophyre and almprophyre were probably derived from the same source.

Ore Reserves

The ore reserves of the Chamac property are difficult to estimate due to the incomplete nature of the information available and the lack of sufficient diamond drilling and/or underground exploration.

Estimates by Anderson and Chambers

After his examination of the property in 1942, then a raw prospect, A. L. Anderson writes:

> "These ledges possibly contain considerable tonnage of marketable mineral although some leads contain appreciable amounts of barite. Others, including some of the largest, have comparatively little barite. Reserves probably total some ten thousands of tons."

Mr. A. E. Chambers has stated:

> "Surface trenching and 5000 feet of diamond drilling have indicated reserves of some 750,000 tons of plus 50% CaF_2 ore. Surface exposures that have not been drilled should substantially increase, perhaps double, the reserves now known."

Although the writer's estimates may not agree with Chambers' estimates, it is worthwhile to note that Chambers is a qualified field geologist and an instructor of geology at the Colorado School of Mines. In addition, Chambers has had close and personal contact with personnel of the U.S.G.S., U.S.B.M., and Alcoa while they were engaged in work on the property and on many other occasions later. Consequently, Chambers was in a position to learn much concerning data that has not been available to the writer.

Basis of Writer's Estimates

Reserve estimates made by the writer have been based upon the diamond drilling by Alcoa and surface samples by the U.S.B.M. The diamond drilling program consisted of eight holes drilled into the Big Lead vein with an average depth of 253 feet, and eight holes drilled into parallel veins, the Bear Trap and South, with an average depth of 530 feet per hole. (See Map 5) The diamond drill logs indicate that a core recovery of 81.7% was made. Copies of the diamond drill hole logs are included in the appendix of this report.

A factor of 13.33 cu. ft. per ton of Fluorspar ore in place was used in all reserve tonnage calculations. All references to tonnage are in terms of NET tons. All ore reserve figures are without deduction for mining losses and correction for dilution with the exception of Table 5.

An inspection of the Big Lead and Bear Trap sections reveals, contrary to impression gathered in the field by the writer, that the grade decreases with depth. This condition is particularly pronounced with reference to the Big Lead where blocks A, B, C, & D are under the influence of U.S.B.M. surface samples and blocks E,F,G & H are under the

influence of Alcoa drill holes. This sharp drop in grade is the principal reason for the writer's reluctance to make reserve estimates for other veins sampled at the surface by the U.S.B.M.

In the writer's opinion it is sufficient to say that a study of the surface outcrops coupled with data from the U.S.B.M. sampling and influenced by knowledge gained by study of diamond drill logs, indicates very large additional reserves of low to medium grade (5-45%) material.

Rough estimates show 600,000 tons of plus 45% CaF_2 and three million tons of average 29% CaF_2. It is to be noted that the above tonnage figures include probable and possible ore tonnages.

END

Bear Trap Hole No. 1

Description of core:

Feet	
0.0-109.0	Soft-altered agglomerate. Lost 17' of core.
109.0-114.0	Soft-altered agglomerate with small seams of spar. Core loss 4'. Sampled
114.0-117.0	Altered agglomerate with small seams of spar. Core loss 1'. Sampled.
117.0-125.0	Fairly good grade of spar. Core loss 4'. Sampled.
125.0-135.0	Altered rock which contains some silicious spar. Core loss 7.6. Sampled.
133.0-137.0	Soft-altered flor breccia. Sampled.
137.0-161.0	Soft green altered rock with an occasional 1/4" to 1/2" seam of spar. Core loss 7'
161.0-169.0	Soft-heavy gouge and broken rock.
169.0-223.0	Soft-green rock which is probably an altered agglomerate although a few flor lines are visible. Core loss 6'. Small stringer of spar at 188'.
223.0-272.0	Fairly firm flow breccia cut by many small seams of SiO_2 and an occasional small stringer of spar. Core loss 8'.
272.0-318.0	Soft kaolinized flow breccia. Core loss 14'.
318.0-372.0	Mostly a light-green agglomerate, but it does show some flow lines. Considerable harder than adjoining formations. 10" stringer of spar at 340' and other small (less thanl') seams every few feet. Core loss 8'.
372.0-374.0	Light-green agglomerate with a couple small seams of spar. Sampled.
374.0-380.0	Good grade of spar. Core loss 1'. Sampled.
380.0-385.0	Good grade of spar but contains more included waste than preceding sample. Sampled.
385.0-388.0	Fairly firm flow breccia with one small seam of spar. Sampled.
388.0-495.0	Same firm flow breccia as above. Ground 22' core.

Core recovery: 79.9%

Bear Trap Hole No. 2

Description of core:

Feet	
0.0- 5.0	No core
5.0- 85.0	Flow breccia with distinct flow lines. Yellowish to greenish-white color due to surface oxidization. Total core loss 20".
85.0-87.0	Dark-grey agglomerate.
87.0- 95.3	Dark-grey agglomerate.
85.3-102.0	Light-grey flow breccia with felsitic matrix and considerable harder.
102.0-108.0	Light-grey flow breccia with dark basaltic cement at 103' and 108'.
108.0-131.0	Greenish-grey agglomerate, quite fresh and hard.
131.0-134.0	Light-grey breccia with very silicious matrix and considerable free SiO_2.
134.0-137.0	Greyish-green breccia with fairly prominent flow lines.
137.0-147.0	Greenish-brecciated rock with sticky-clay cement from 141' to 147'. Core loss 4.5'.
147.0-166.0	Broken and altered breccia with a heavy soft gouge from 159' to 166'. (10" core loss at 169'.)
166.0-175.0	Greenish-flow breccia.
175.0-192.0	Greenish-gray kaolinized agglomerate.
192.0-194.5	Dark-green agglomerate with 1/2" stringer of green spar at 192.5'.
217.0-240.0	Dark-green agglomerate with a very coarse texture, pieces up to 4" thick.
240.0-276.5	Greenish-grey agglomerate with streaks of white kaolin from 240'-248', and fairly heavy gouge from 252'-259' Ground 2-1/2' core at 268'.
276.5-392.0	Grey agglomerate with a pink tint from 314'-324', and from 330'-339'. 1/4" stringer of spar at 346'. Ground 2' of core between 344' and 349'. Started BX core at 388.
392.0-403.0	Light-grey agglomerate.

Bear Trap Hole No. 3

Description of core:

Feet	
0.0- 5.0	No core
5.0-160.2	Greenish-grey altered soft-flow breccia. Small stringers of spar and silica are very common from about 75' on, and stringers from 2" to 10" side are seen between 100' and 169'. Core loss 20'.
160.2-166.2	Good grade of spar. Sampled.
166.2-168.0	Footall gouge and small seams of spar. Sampled.
168.0-202.0	Greenish-grey soft-flow breccia. Core loss 3'.
202.0-225.0	Rock is extremely altered material, green colored and soft, which contains some gouge and breccia. This zone should perhaps be sampled at some time for gold and silver.
225.0-235.0	Altered-flow breccia which is still quite soft and contains streaks of yellowish-white kaolin.
235.0-320.0	Slightly firmer flow breccia which varies in color from light to greenish grey. Streaks of spar at 285' and 315'. Core loss 8'.
320.0-362.0	Soft-dark-grey kaolinized flow breccia.
362.0-364.2	Grey-flow breccia containing small seams of spar. Sampled.
364.2-368.2	Good grade of spar. Sampled.
368.2-371.7	Light-grey flow breccia with small seams of spar. Sampled.
371.7-373.0	Small stringer fairly good spar. Sampled.
373.0-357.0	Light-grey flow breccia. Sampled.
375.0-553.0	Light-grey to greenish-grey flow breccia, seams of spar at 406', 417', 425' and 528'. Core loss 35'.

Core recovery 87.2%

Bear Trap Hole No. 4

Description of core:

Feet	
0.0- 2.0	No core
2.0- 75.0	Bluish-gray partly kaolinized agglomerate, small seams of spar and SiO_2, around 24' and 33'. Core loss 18'.
75.0-85.0	Soft yellowish-grey gouge zone full of rock fragments. Core loss 2.5'.
85.0-166.0	Yellowish to greenish-grey agglomerate which is partly kaolinized and has been subjected to extreme alteration. Smal; seams of spar around 118'. Core loss 36'.
166.0-170.0	Small stringers and seams of silicious spar and SiO_2, breccia fragments recemented with SiO_2 and some spar under 170'.
170.0-186.0	Agglomerate which is still affected by the extreme yellowish alteration beginning at 85'. Rock may be chloritized? Core loss 3'.
186.0-205.0	Bluish to yellowish-flow breccia which contains a vein of spar from 190'-196'. Sampled. Core loss 3'.
205.0-265.0	Greenish-flow breccia with indistinct flow lines. Seams of spar at 215', 232', and 243'. Last 1' of zone sampled. Core loss 20'.
265.0-275.0	Contains a vein of spar in which most of run was washed and ground. Core saved gougey material. Sampled. 8' core loss.
275.0-282.0	Very light-grey flow breccia with about 6" gouge at 276'. Core loss 2'.
282.0-380.0	Dark greenish-grey flow breccia. Rock is very broken. Core loss 40'.
380.0-391.0	Same greenish-flow breccia, but with many small seams of SiO_2.
301.0-465.0	Greenish-grey flow breccia, 4" seam SiO_2 at 462'.
465.0-474.0	Sampled 2' vein of fair spar and adjacent. allrock.
474.0-555.0	Greenish-flow breccia, fairly hard, with seams of SiO_2 at 487' and 500'. Core loss 38'.

Core recovery: 67.1%.

Bear Trap Hole No. 5

Description of core:

Feet	
0.0- 3.0	No core
3.9-127.7	Bluish-grey kaolinized flow breccia; streaks of yellowish kaolin 41' - 43' and 100'-101'. 3' of silicious spar at 70'. Core loss 21'.
127.7-138.3	Silicious spar and all-rock. Sampled.
138.3-185.0	Light-grey agglomerate.
185.0-198.0	Flow breccia with dark-green flow lines. (Same formation encountered in B.T. No. 6 hold between 242' and 321'.)
198.0-250.0	Light-green breccia with indistinct flow lines.
250.0-290.0	Light-grey flow breccia with greenish-flow lines. Core loss 18'.
300.0-477.6	Greenish-grey flow breccia, partly kaolinized. Core loss 26'.

Core recovery: 83.3%

Bear Trap Hole No. 6

Description of core:

Feet	
0.0- 3.0	No core.
3.0- 41.0	Kaolinized breccia with small stringers of spar at 6', 32' and 34'. Core loss 7'.
41.0-78.0	Light-grey to greenish agglomerate, small seams of spar at 42' and 49'.
78.0-130.0	Bluish kaolinized-flow breccia. Core loss 7'.
130.0-223.5	Greenish-flow breccia. (BX core after 184') Core loss of 20', but no core was lost near 150', at which B.T. vein was expected. Should have been above 50' - probably at 110'.
223.5-242.0	Extremely silicious material containing some spar. Sampled.
242.0-321.0	Flow breccia with distinctive dark-green flow lines. Soft-gouge streaks between 267' and 277'. Core loss 30'.
321.0-501.0	Soft-bluish kaolinized-flow breccia. Soft-gouge streaks from 437' to 444'. This soft-broken ground contained some spar and could have been the South Vein. Sampled. Core loss 75'.

Core recovery: 71.7%

Bear Trap Hole No. 7

Description of core:

Feet	
0.0-10.0	No core
10.0-74.0	Bluish-grey partly kaolinized flow breccia. Oxidized rusty seams common. Core loss 19'.
74.0-75.0	Talcy-clay seam about 6" wide and 2 to 4" silicified rock. Core loss 1'.
75.0-145.0	Greenish-grey blow breccia, very broken ground. Core loss 26'.
145.0-148.5	Soft gouge and broken ground, quite heavy, hanging wall material. Sampled
148.5-151.6	Intensely silicified and brecciated rock with some spar. Correlates with gouge material in T.B. No. 2 hole, and is probably B.T. vein formation. Some traces of spar in very minor amounts. Sampled.
151.6-153.6	Footwall-flow breccia with minor kaolinization and one or two small seams of spar. Sampled.
153.6-177.0	Bluish-grey kaolinized flow breccia. Core loss 5'.
177.0-182.0	Bluish-flow breccia with streaks of yellowish-white Kaolin up to 1" wide.
182.0-191.0	Bluish-flow breccia with abundant silicification Streaks of bluish silica 2" to 8" wide cut across core at approximately 45 degree angle.
191.0-195.0	Brecciated zone along which some movement has taken place, but not enough to erase the flow lines. Rock color is light grey.
195.0-370.0	Intensely altered flow breccia affected by same yellowish alteration noted in all tip row B.T. holes. 3" stringer green spar at 290' and three small seams at 302', which cut the core at a low angle. 1" sandy zone at 363'. All very soft. Core loss 85'.
370.0-397.0	Greenish to bluish-grey flow breccia (firmer). 1/4" seams to spar at 376'.
397.0-420.0	Intensely silicified zone in flow breccia. Small stringers and seams of SiO_2 and spar cut across the core at all angles, but are not spaced close enough to constitute a vein.
420.0-465.0	Bluish-flow breccia. AX core after 445'.

Core recovery: 68.8%

Bear Trap Hole #7

SAMPLE NO.	FOOTAGES	% SaFe	% SiO_2	% $CaCO_3$	% $BaSO_4$
#126	145' - 0 to 148' - 6"	NONE	62.29	3.78	NONE
#127	148' - 6" to 151' - 8"	4.07	75.87	1.99	NONE
#128	151' - 8" to 153' - 8"	NONE	73.99	2.08	NONE

Bear Trap Hole No. 8

Description of core:

Feet	
0.0- 120.0	No Core
12.0-136.3	Bluish-grey kaolinized flow breccia, oxidized rusty seams in the first 25'. Seams of spar at 12', 26', 117', 119', 121' and 135'. 4" quartzite at 84'. Core loss 5'
136.3-138.6	Hanging-wall flow breccia with some silicification and a couple small seams spar. Sampled.
138.6-141.6	Hanging wall flow breccia but with considerable silicification and several small seams of spar. Some kaolin along joints. Sampled.
141.6-146.2	Spar vein of good grade. Sampled.
146.2-151.8	Footwall rock with many small stringers spar. Sampled
151.8-169.0	Bluish-grey flow breccia with many small seams
169.0-171.5	Silicified hanging-wall rock with a few small seams of spar. Sampled.
171.5-175.0	Good grade of spar. Sampled.
175.0-177.0	Footwall rock with some spar and silicification. Sampled.
177.0-194.7	Light-grey flow breccia, partly silicified, with small seams of SiO2 and spar.
194.7-199.2	Silicious country rock with many small stringers and seams of spar. Sampled.
199.2-234.0	Light-grey to greenish-flow breccia which grades gradually into agglomerate. Core loss 4'.
234.0-246.0	Light-greenish agglomerate which is very coarse around 260'. 2" seams SiO2 at 294'. Some of the agglomerate shows flow lines. Core loss 10'.
346.0-363.0	Light-grey flow breccia with the same greenish fragments noted in B.T. No. 5 hole at 185'-198'.
363.0-393.0	Light-grey flow breccia with indistince flow lines. Core loss of 7-1/2' from 383' -393' run, which may represent trace of South Vein expected to come in about 360'. Sampled. Core loss 8' in all.
393.0-430.0	Dark-grey partly kaolinized flow breccia. Core loss 8'.

Core recovery: 89.1%

A G R E E M E N T

This Agreement, Made and executed in triplicate this 31st day of October, 1949 by and between ARTHUR E. CHAMBERS and FREDA M. CHAMBERS, husband and wife, parties of the first part, referred to herein as "Vendors" and J. R. SIMPLOT COMPANY, an Idaho corporation, referred to as "Purchaser", WITNESSETH:

WHEREAS, The Vendors are the owners, subject to the Paramount Title of the United States of America, of the following described unpatented mining claims situated in the Gravel Range Mining District in the County of Lemhi, State of Idaho, to-wit:

CRYSTLE	NO. 1	Lode	Mining	Claim
"	NO. 2	"	"	"
"	NO. 3	"	"	"
"	NO. 4	"	"	"
"	NO. 5	"	"	"
"	NO. 6	"	"	"
"	NO. 7	"	"	"
"	NO. 8	"	"	"
"	NO. 9	"	"	"
"	NO. 10	"	"	"
"	NO. 11	"	"	"
"	NO. 12	"	"	"
"	NO. 13	"	"	"
"	NO. 14	"	"	"
"	NO. 15	"	"	"
"	NO. 16	"	"	"
"	NO. 17	"	"	"
"	NO. 18	"	"	"
"	NO. 19	"	"	"
"	NO. 20	"	"	"
"	NO. 21	"	"	"
"	NO. 22	"	"	"
"	NO. 23	"	"	"
"	NO. 24	"	"	"
"	NO. 25	"	"	"
"	NO. 26	"	"	"
DUCK CREEK	NO. 1	Lode	Mining	Claim
" "	NO. 2	"	"	"
" "	NO. 3	"	"	"
" "	NO. 4	"	"	"
" "	NO. 5	"	"	"
" "	NO. 6	"	"	"
" "	NO. 7	"	"	"
" "	NO. 8	"	"	"

DUCK CREEK NO. 9 Lode Mining Claim
" " NO. 10 " " "
" " NO. 11 " " "
" " NO. 12 " " "
" " NO. 13 " " "
" " NO. 14 " " "
" " NO. 15 " " "
" " NO. 16 " " "
Morning Sun Lode Mining Claim
Morning Sun No. 2 Lode Mining Claim
Morning Sun No. 3 " " "
Morning Sun No. 4 " " "
Morning Sun No. 5 " " "
Connector No. 1 " " "
Connector No. 2 " " "
Connector No. 3 " " "
Florspar No. 1 " " "
Florspar No. 2 " " "
Florspar No. 3 " " "
Florspar No. 4 " " "
Florspar No. 5 " " "
Florspar No. 6 " " "
Red Spar Lode Mining Claim
Red Spar No. 2 Lode Mining Claim
Red Spar No. 3 Lode Mining Claim
Red Spar Extension Lode Mining Claim
Purple Spar Lode Mining Claim
Purple Spar No. 2 Lode Mining Claim
Purple Spar No. 3 " " "
Purple Spar No. 4 " " "
Purple Spar Extension Lode Mining Claim
Camas No. 1 Lode Mining Claim
Camas No. 2 " " "
Camas No. 3 " " "
Camas No. 4 " " "
Camas No. 5 " " "
Camas No. 6 " " "
Metz Cabin Millsite

The location notices of which being recorded in the office of the County Recorder of Lemhi County, State of Idaho, to which record references are hereby made for a more particular description of said mining claims;

Together with all water, water rights, ditches, ditch rights, rights-of-way and easements, buildings and structures appurtenant thereto or used in connection therewith.

Also together with all fixed mining and milling machinery and equipment now upon the above premises as shown and listed upon the schedule attached hereto marked "Exhibit A";

NOW THEREFORE, It is mutually agreed between the parties hereto as follows:

Section 1. Wherever used in this Agreement, the following

Terms shall be interpreted as having the following meaning:

(a) The term "mining property" as used herein shall be deemed to refer to the above described mining claims and all other mining claims hereafter located as provided in Section 13 hereof.

(b) The term "personal property" as used herein shall be deemed to refer to that machinery, equipment and other personal property enumerated upon "Exhibit A" hereto.

(c) The term "ton", wherever used herein, shall mean the quantity of ore containing 2,000 pounds of 100% calcium fluoride, provided, however, if the payment to the Vendors based upon 2,000 pounds of salable product is less than $2.00, then in that event, the term "ton" shall mean 2,000 pounds of salable product of whatever calcium fluoride content.

(d) The term "net profit" as used herein shall be interpreted to refer to the gross receipts, including bonuses, from the sale of fluorspar, and other minerals mined and removed from the above described mining claims, after deducting the following: All costs and expenses of every kind and nature incident to the mining, milling and concentrating of such fluorspar and other ores: the expense of selling, marketing and delivering the fluorspar and other ores mined and removed from said property (whether in concentrated or natural form), all property taxes, employment taxes, and all other items of expense incurred in connection with the conduct of the business and operations of mining, milling, concentrating, selling and delivering to market all fluorspar and other ores from said property; and prior to determination of Federal and State income taxes, depletion and depreciation on any depreciable assets acquired by the Purchaser under this Agreement or the replacement thereof. Purchaser may commence deducting

depreciation in determining "net profit" when Purchaser's depreciable asset investment offsets and is greater than the depreciable asset investment in the depreciable property purchased under this Agreement as shown by the initial entries thereof set up in the books and accounts of the Purchaser, and then only upon the amount of depreciable assets that are in excess of the said amount of depreciable asset investment acquired under this Agreement.

(e) The term "fluorspar" as used herein shall refer to ore containing Calcium Fluoride (CaF_2).

(f) The term "metallurgical grade fluorspar" shall refer to that fluorspar having a minimum of 70% Calcium Fluoride.

(g) The term "acid grade fluorspar" shall refer to that fluorspar having a minimum of 95% Calcium Fluoride.

Section 2. The Vendors agree to sell and convey to the Purchaser and the Purchaser agrees to purchase from the Vendors all of the above described mining property and personal property, subject to the terms and conditions contained in this Agreement.

Section 3. It is agreed that there shall be paid to the Vendors as the purchase price for all of the above described mining property and personal property the sum of EIGHT HUNDRED THOUSAND AND NO/100 ($800,000.00) DOLLARS in lawful money of the United States of America, in installments and in the following manner, to-wit:

(a) The sum of $1,000.00 simultaneously with the execution of this Agreement, receipt whereof by the Vendors is hereby acknowledged.

(b) The sum of $10,000.00 on Dec. 31st of each calendar year following the first calendar year in which more than 12,500 tons of fluorspar are mined and removed from the above described mining property.

(c) To justify lessening the Vendor's ore security the Purchaser shall pay to the Vendors quarter-annually on the first day of each April, July, October and January, $2.00 per ton of all fluorspar shipped to market by the Purchaser at such times when the Purchaser's net profit therefrom exceeds $6.00 per ton; and should the purchaser's net profit therefrom be less than $6.00 per ton, then the Purchaser shall pay to the Vendors quarter-annual payments equivalent to one-third of such net profit only. Annually following the last day of December of each year, the amount paid through quarter-annual payments shall be adjusted if necessary to the correct amount payable hereunder, for the entire calendar year then closed. After Jan. 1, 1952, the Purchaser shall not mine or sell metallurgical or lower grade fluorspar yielding to the Vendors payments upon said purchase price of less than $1.00 per ton or acid grade fluorspar yielding to the Vendors payments upon said purchase price less than $1.50 per ton unless the written consent of the Vendors is first had and obtained or the Purchaser voluntarily pays those minimum amounts. The Amounts payable under this sub-paragraph shall apply against the payments to be made under sub-paragraph (b) above, to the end that there will be no duplication and the payment required under sub-paragraph (b) will constitute a minimum amount to be paid in the manner provided in this sub-paragraph (c).

IT IS AGREED That said purchase price or the unpaid balance thereof shall not bear interest.

The purchase price, and all installment payments thereon, shall be paid to the Vendors at the Continental State Bank in Boise, Idaho, the escrow holder named herein.

Section 4. The vendors agree that they have performed all assessment work and have executed, filed and recorded all affidavits, notices and other instruments requisite to initiate and maintain their ownership of the above described mining properties and they warrant that they are the owners of all of the above described mining property and personal property, subject only to the Paramount Title in the United States of America with respect to said mining property.

Section 5. The Purchaser shall take immediate possession of all of the above described mining property and personal property; and after July 1, 1950 and so long thereafter as such operations can be conducted at a net profit to the Purchaser of not less than $3.00 per ton for metallurgical grade fluorspar and not less than $4.50 per ton for acid grade fluorspar, the Purchaser agrees to actively,

continuously, diligently and in a miner-like manner, mine and remove from the mining property the fluorspar therein in such quantities and to sell such fluorspar and other ore mined at such prices and to the metallurgical, acid and ceramic markets which will yield the greatest over-all net profit to the Purchaser, taking into consideration all factors of the Purchaser's fluorspar operations, upon the herein described property.

Section 6. The vendors agree that they have paid and will pay all State and County taxes and all taxes and assessments of every kind or nature levied or assessed against all of the above described mining property and personal property for the year 1949 and each and every year prior thereto. The Purchaser agrees to pay all such taxes and assessments for the year 1950 and each and every year thereafter.

Section 7. The Purchaser agrees to hereafter perform all assessment work, and file necessary proof thereof requisite to the maintenance of ownership of all of the mining property, at all times adequately protecting possessory title thereto.

Section 8. The Purchaser agrees to pay all expenses necessary to maintain, keep in good condition and repair, and otherwise protect the property of this Agreement.

Section 9. The Purchaser agrees to forthwith commence and proceed with reasonable diligent to obtain patents from the United States of America covering the mining claims referred to in this Agreement. Should any or all of those patents be issued prior to final payments of said purchase price, such shall be issued in the name of the Vendors; and immediately thereafter, the mining deeds held in escrow shall be replaced by full covenant Warranty Deeds as contemplated in Section 18 hereof.

Section 10. The Purchaser agrees to place in effect and maintain insurance against loss by fire and comprehensive casualties

upon the personal property purchased hereunder and described in "Exhibit A". In the event of compensable loss under any such policy prior to final payment of said purchase price, the insurance proceeds shall, at the discretion of the Purchaser, be applied either in replacement of the property damaged or destroyed or be paid to the Vendors for application in reduction of said purchase price.

Section 11. The Purchaser agrees to not remove any of the personal property described in "Exhibit A" from the above described mining property, without the consent in writing of the Vendors first had an obtained, provided, however, that any of said personal property may be sold or disposed of, without prior approval by the Vendors, if it is promptly replaced by property of equivalent value and usage.

Section 12. It is agreed that all buildings, structures, tramlines, pipelines, track and timber in place erected, constructed and placed upon the above described real property shall be deemed fixed thereto as fixtures without right of removal. Any other machinery, equipment or installation purchased and placed upon the mining property the purchaser, excepting that in replacement of personal property purchased hereunder, may be removed by the Purchaser at any time.

Section 13. The Purchaser shall have no power or authority to permit any lien or encumbrance to be made or filed against any of the real or personal property covered by this Agreement and agrees to indemnify and save the Vendors harmless from any lien or encumbrance made, suffered or done thereon by the Purchaser.

Section 14. It is agreed that this Agreement shall be deemed to apply to any additional mining claims located during the term of this Agreement, any part of which are within a distance of two miles of any of those herein described, which are located by the Purchaser or are located by the Vendors and are accepted by the Purchaser, providing that such must be offered to the Purchaser. Following notice of location of any such additional claims, notice thereof shall be given the other party and, if located by the Purchaser, or by the Vendors and accepted by the Purchaser, covering mining deeds shall be delivered into escrow to be held by the escrow holder in the same manner and respect as herein provided with respect to those deeds placed in escrow simultaneously with the execution of this Agreement.

Section 15. It is agreed that the books, records, audits and reports of the Purchaser concerning its mining, milling, and selling operations with respect to the fluorspar and other ore mined and removed from the above described mining property, shall be available at all reasonable times for inspection by the Vendors or their duly authorized agents or representatives.

Section 16. It is agreed that the Vendors shall have access to all maps, reports, assays, logs, geological and other data and information concerning production of fluorspar and other ores from the above described mining property and in the event the Vendors assume operation of said mining property as authorized in Sections 21, 22 and 23 hereof, they shall have the privilege to secure copies thereof.

Section 17. The Vendors agree to provide an Abstract of Title covering all of said mining property, extended to the date of this Agreement; and they agree that this Abstract of Title shall show a merchantable title to said mining property in the Vendors, free from any liens or encumbrances excepting the lien of any taxes and assessments herein assumed and to be paid by the Purchaser and subject to the Paramount Title in the United States of America. Upon extension, that Abstract of Title shall be delivered to the Purchaser for examination and the Purchaser shall have a period of sixty (60) days within which to have said Abstract of Title examined for the purpose of determining that it does show a merchantable title to said mining property in the Vendors as aforesaid. Should it be determined upon such examination that there are any meritorious defects in the merchantability of said title, the opinion in writing of the party examining said Abstract of Title for the Purchaser shall be delivered to the Vendors and the Vendors agree to immediately correct any meritorious defects in said titles. Following determination that Abstract of Title does show a merchantable title to said mining property in the Vendors, as aforesaid, it shall thereafter be deposited in escrow with the escrow holder hereinafter named, to be held by it subject to the terms of this Agreement.

Section 18. It is agreed that the legal title to all of the above described mining property and personal property is hereby reserved in the Vendors until the full purchase price therefor shall have been paid as herein required; and the Vendors agree that upon final payment of said purchase price, they will convey or cause to be conveyed to the Purchaser through good and sufficient mining deeds, with full convenants of warrant, (if delivered prior to issuance of patents) or through full convenant warranty deed (if delivered after United States patents are issued) covering all of the real property contained in the above described mining claims, and through good and sufficient bill of sale covering the machinery, equipment and personal property described in "Exhibit A", free from all liens and encumbrances excepting the lien of those taxes and assessments herein assumed to be paid by the Purchaser and except as to any other lien or encumbrance made, suffered or done by the Purchaser.

Escrow Instructions

Section 19. As a means of carrying out the terms and conditions of this Agreement and making a conveyance of the property from the vendors to the Purchaser, it is agreed that simultaneously with the execution of this Agreement, or within a reasonable time thereafter, the Vendors shall dep osit in escrow with the Continental State Bank, in Boise, Idaho, the following papers and instruments to be held by that bank as escrow holder subject to the terms and conditions of this Agreement:

(a) An original, fully executed and acknowledged copy of this Agreement.

(b) A good and sufficient mining deed with full covenants of warranty covering the above described mining property executed by the Vendors designating the Purchaser as grantee.

(c) A good and sufficient bill of sale with full covenants of warranty covering all of the machinery, equipment and personal property described in "Exhibit A" hereto, executed by the Vendors, designating the Purchaser as grantee.

Section 20. It is agreed that at such time as the Purchaser shall have paid to the Vendors the full purchase price above described, the escrow holder is hereby instructed and directed to deliver to the

Purchaser the mining deed or warranty deed, bill of sale, Abstract of Title and any and all papers or instruments held by it in escrow subject to the terms of this Agreement.

Section 21. It is agreed that at any time prior to the year following the year in which the Purchaser shall have mined and removed from the mining property 12,500 tons or more of fluorspar, should the purchaser fail, refuse or neglect to pay to the Vendor accrued installment payments upon purchase price, based upon the Purchaser's net profit from the mining operations (as required in Section 3 hereof), or should the Purchaser have failed, refused or neglected to perform the covenants of this Agreement required of it in any other respect, then and in that event, effective 90 days following notice in writing to the Purchaser, the Vendors may declare a forfeiture of this Agreement. Such notice shall be in writing and shall state in detail the matters or respects in which the Vendors assert that the Purchaser is in default in performance. If the matters set out in said notice are fully performed within that period, no forfeiture hereunder shall become effective; but if not fully performed within that period, and upon further condition that the Vendors pay to the Purchaser an amount equivalent to the depreciated, depleted and unrecovered investment (excluding payments upon purchase price hereunder) by the Purchaser in the mining property, and in the permanently installed machinery, equipment and personal property used in mining, milling, concentrating and related activities, (excepting that machinery and equipment purchased to replace those items of machinery and equipment described in "Exhibit "A" hereto which have been sold by the Purchaser) the forfeiture of this Agreement shall become effective. Upon effective forfeiture, it is herein provided the Vendors shall be permitted to resume absolute possession of said mining property and the machinery, equipment and personal property used in connection therewith, free from any right, title or claim thereto by the Purchaser; and in that event further, the escrow holder is hereby authorized and directed to return and deliver to the Vendors all of the papers and instruments held by it in escrow under the terms of this Agreement. Upon declaration of forfeiture, the Vendors shall have the right and

option to purchase such of the Purchaser's movable machinery and equipment used upon the premises that they desire at the fair market value thereof, established by agreement between the parties hereto, or, failing agreement, established by appraisal. Such appraisal shall be made by appraisers appointed in the manner provided in Section 30 hereof. Such appraised price shall be paid within a period of 30 days following determination thereof.

Section 22. It is agreed that following the year in which the Purchaser shall have mined and removed from the mining property 12,500 tons or more of fluorspar, should the Purchaser fail to pay the installments upon purchase price as herein provided or fail or refuse to pay taxes and assessments or insurance premiums as herein required, or fail, refuse or neglect to perform each, all or any of the terms of this Agreement incumbent upon it to be kept and performed at the time or in the manner herein agreed, then and in that event, at the option of the Vendors, this Agreement shall be forfeited effective 90 days following Notice to the Purchaser of their election in that respect, the notice shall set out in detail the matters of asserted default by the Purchaser. Should the Purchaser fully perform those matters in default as set out in said notice within said 90 days period, no forfeiture may be declared or shall become effective. In event of declaration of forfeiture in the manner herein provided, the Vendor shall be released from any liability in law or equity to convey the mining property and other property covered by the Agreement to the Purchaser and the Purchaser agrees to surrender immediately and peaceably possession of the mining property and other property covered by this Agreement to the Vendors and all rights of the Purchaser under this Agreement shall cease and terminate and the escrow holder is instructed and directed to return and redeliver to the Vendors all papers and instruments held in escrow under the provisions of this Agreement. It is specifically understood and agreed that time shall be of the essence of this Agreement.

Section 23. Should the Purchaser at any time become defunct or refuse or neglect to diligently proceed to patent the mining property, to pay all taxes and assessments, to perform annual assessment work, or to insure and protect the personal property, as required herein, then in that event, the option of the Vendors, this Agreement shall be forfeited effective 90 days following written notice to the Purchaser of their election in that respect, which notice shall set out in detail the matters of asserted default by the Purchaser. Should the Purchaser fully perform those matters in default as set out in said notice within said 90 days period, no forfeiture may be declared or shall become effective.

Section 24. That in the event of default and forfeiture, as herein agreed, the Vendors shall have the right of re-entry and may proceed against the Purchaser for recovery of the unpaid balance of the herein agreed purchase price of the property.

Section 25. Since time is of the essence of this Agreement, it is agreed that any considerations or departures therefrom, or any delay in enforcing the performance thereof, by or with the consent of the Vendors shall not operate to waive or be a waiver of the right of the Vendors to stand upon the strict letter and construction of the terms hereof and shall not be construed to be a waiver of the right of the Vendors to enforce performance under this Agreement in accordance with its terms.

Section 26. In the event of and at the time the Purchaser shall be entitled to the delivery of the deed or deeds held in escrow under the terms of this Agreement, the escrow holder is hereby authorized and directed to place upon said deeds, internal revenue documentary stamps in the amount of $88.00, which sum shall be deducted from the final payment of the purchase price to the Vendors by the escrow holder.

Section 27. It is agreed that the escrow fee charged by the escrow holder shall be paid one-half by the Vendors and one-half by the Purchaser.

Section 28. It is agreed that neither party hereto shall be responsible hereunder for delays, failures or omissions in performance of any of the terms, conditions and provisions of this Agreement incumbent upon that party to be performed, and performance shall be excused during the period of any such delay, failure or omission in performance, where such is due to or the result of acts of nature, fire, the public enemy, governmental action, process or mandate of any Court, labor strikes or lockouts, failure of machinery and equipment during a reasonable period required for repair thereof, failure of transportation facilities, or any cause beyond the control of the party affected.

Section 29. Notices required to be given hereunder shall be delivered through United States Registered Mail, postage prepaid, return receipt requested, addressed to the parties as follows:

Name	Address
Arthur E. Chambers and Freda M. Chambers	c/o C. Walker Lyon Salmon, Idaho
J. R. Simplot Company	212 Continental Bank Building Boise, Idaho

Addresses may be changed or the address of an assignee or successor provided through notice to the other parties.

Section 30. In the event of any dispute as to the interpretation of this Agreement or performance by the parties under this Agreement or as to their respective rights, duties and obligations arising under this Agreement, such dispute shall be submitted to arbitration, using the following procedure: The party requesting arbitration shall advise the other party in writing thereof and submit with such notification, the name of the person it wishes to serve as an arbitrator. The party receiving such notice shall, within ten days after receipt thereof, advise the other party in writing of the name of the person it wishes to serve as an arbitrator. If such party shall fail to so advise the other of its nomination for an arbitrator within that ten day period, the person selected by the first party shall conduct the arbitration alone. Within ten days following appointment of the second arbitrator, the two persons so appointed shall select a third person to act as an arbitrator.

Should they be unable to agree on a third person within that period of time, the Chief Justice of the Supreme Court of the State of Idaho shall appoint the third arbitrator, providing that such appointee shall not have been previously refused by either of the first two arbitrators and provided that such appointee shall not be financially interested in either party. The three arbitrators shall promptly investigate the matter in dispute and the written decision of a majority of them shall be binding upon the parties hereto.

Following an award, the board of arbitrators shall be deemed discharged and a new board of arbitrators shall be appointed to consider any subsequent matter requiring arbitration.

The expense of arbitration shall be borne equally by the parties hereto.

Should it become necessary to appoint a board of appraisers for the purposes contemplated in Section 21 of this Agreement, such appraisers shall be appointed and shall serve in the same manner as herein provided for appointment and service by arbitrators.

Section 31. It is agreed that this Agreement may be assigned and transferred by the Purchaser to any corporation, the voting control of which is at that time held by either the Purchaser or J. R. Simplot or Simplot Investment Company; and following such assignment and notice thereof to the Vendors, the entire and exclusive obligation to perform the terms and provisions of this Agreement incumbent upon the Purchaser to be kept and performed, shall devolve upon such assignee, and the Purchaser, as assignor, shall then be relieved and released of any liability or obligation hereunder, and the assignee shall be deemed referred to wherever in this Agreement the word "Purchaser" is used. It is further agreed that this Agreement may be so assigned by the Purchaser after alleged default or after service of notice of default to it without such assignment being considered or treated as in any

manner jeopardizing the rights of the Vendors as creditors and in such event or events, the Purchaser shall thereby be released and relieved of any further obligation hereunder and shall not be liable in any action by the Vendors to recover the unpaid balance of the purchase price under the provisions of Section 24 hereof. The foregoing provision for stock voting control of the assignee corporation shall not be interpreted to require that it remain in or be permanently retained by J. R. Simplot or J. R. Simplot Company or by Simplot Investment Company.

Section 32. This Agreement shall be binding upon and also inure to the benefit of the heirs, executors, administrators, successors and assigns of the parties hereto.

IN WITNESS WHEREOF, The parties hereto have hereunto set their hands and seals the day and year first above written.

/s/ ARTHUR E. CHAMBERS (SEAL)

/s/ FREDA M. CHAMBERS (SEAL)

VENDORS

J. R. SIMPLOT COMPANY

ATTEST:

BY: /s/ J. R. SIMPLOT
PRESIDENT

/s/ W. GRANT KILBOURNE
Secretary

STATE OF IDAHO)
) SS
COUNTY OF LEMHI)

On this 10th day of November, in the year 1949, before me the undersigned, a Notary Public in and for said State, personally appeared Arthur E. Chambers and Freda M. Chambers, known to me to be the persons whose names are subscribed to the within instrument, and acknowledged to me that they executed the same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal, the day and year in this certificate first above written.

/s/ C. WALKER LYON
Notary Public for: Idaho
Residence: Salmon, Idaho

(SEAL)

STATE OF IDAHO)
) SS
COUNTY OF ADA)

On this 28th day of November, in the year 1949, before Mary Freeland, Notary Public, personally appeared J. R. SIMPLOT, known to me to be the President of the corporation that executed the instrument, or the person who executed the instrument in behalf of said corporation, and acknowledged to me that such corporation executed the same.

/s/ MARY FREELAND
Notary Public for Idaho
Residence: Boise, Idaho.

(SEAL)

ALCOA MINING COMPANY

HOLE B.T. n No. 1

SAMPLING RECORD

SHEET NO. 1

DEPTH 495' ANGLE 46° STRIKE S 40° E. ELEVATION 6944 NORTH 19287.49 EAST 20329.66

Depth Ft.	FORMATION	Sample No.	Length Ft.	Analysis CaF_2	SiO_2	$BaSO_4$	$CaCO_3$	Length Ft.	Progressive Totals CaF_2	SiO_2	$BaSO_4$	$CaCO_3$
109.0								0.0				
114.0	Seams of Spar	69	5.0	5.78	70.70	None						
	Sludge	69-a	5.0	6.65	68.72	None						
	Sludge & core		5.0	6.56	68.92	None		5.0	32.80	344.60		
117.0	Seams of Spar	70	3.0	23.46	55.51	None						
	Sludge	70-a	3.0	11.36	64.65	None						
	Sludge and core		3.0	15.51	61.51	None		8.0	70.33	529.13		
125.0	Silicious Spar	71	8.0	15.82	68.90	None						
	Sludge	71-a	8.0	14.62	60.22	None						
	Sludge & core		8.0	14.93	62.44	None		16.0	198.77	1028.65		
135.0	Small seams spar	72	10.0	4.14	70.88	None						
	Sludge	72-a	10.0	5.01	71.31	None						
	Sludge & core		10.0	4.90	71.25	None		26.0	247.77	1741.15		
137.0	Seams of spar	73	2.0	3.61	60.15	None		28.0	254.09	1861.45		

ALCOA MINING COMPANY

HOLE B.T. n No. 1

SAMPLING RECORD

SHEET NO. 2

DEPTH _____ ANGLE _____ STRIKE _____ ELEVATION _____ NORTH _____ EAST _____

Depth Ft.	FORMATION	Sample No.	Length Ft.	Analysis CaF_2	Analysis SiO_2	Analysis $BaSO_4$	Analysis $CaCO_3$	Length Ft.	Progressive Totals CaF_2	Progressive Totals SiO_2	Progressive Totals $BaSO_4$	Progressive Totals $CaCO_3$
372.0								0.0				
374.0	Small seams spar	74	2.0	8.02	64.16	None		2.0	16.04			
380.0	Spar	75	6.0	41.99	43.62	None		8.0	279.98			
	Sludge omitted	75-a	6.0	4.55	73.53	None						
385.0	Spar	76	5.0	41.49	46.46	None		13.0	487.43			
388.0	Seams of Spar	77	3.0	Trace	63.72	None		16.0	487.50			

Test 43° 15' at 395

ALCOA MINING COMPANY

HOLE B.T. n No. 2

SAMPLING RECORD

SHEET NO. 1

DEPTH 794' ANGLE 46° STRIKE S. 49° E. ELEVATION 7056 NORTH 19580.42 EAST 20590.28

Depth Ft.	FORMATION	Sample No.	Length Ft.	Analysis CaF_2	SiO_2	$BaSO_4$	$CaCO_3$	Length Ft.	Progressive Totals CaF_2	SiO_2	$BaSO_4$	$CaSO_3$
526.8								0.0				
529.8	Alt. flow brec. Some Spar	29	3.0	10.90	66.77	3.16	1.74	3.0	32.70	200.31	9.48	5.22
538.0	Spar	30	8.2	71.57	24.08	None	9.18	11.2	619.57	397.77	9.48	6.70
543.5	Some spar in alt. flow breccia	31	5.5	19.52	54.01	None	1.96	16.7	726.93	694.82	9.48	17.48
416.0								0.0				
419.0	Seam of Spar	32	3.0	2.51	72.79	None		3.0	7.53	218.37		
421.0	Country rock Pyrite	33	2.0	4.01	65.04	None		5.0	15.55	348.45		
456.0								0.0				
458.0	Seams of Spar	34	2.0	9.02	69.36	None		2.0	18.04	138.72		
460.0	Seams of Spar	35	2.0	6.47	69.45	None		4.0	30.98	277.62		
462.0	Seams of Spar	36	2.0	2.07	70.84	None		6.0	35.12	419.30		

Test 46° 30' at 638

ALCOA MINING COMPANY

HOLE B.T. n No. 2

SAMPLING RECORD

SHEET NO. 2

DEPTH _____ ANGLE _____ STRIKE _____ ELEVATION _____ NORTH _____ EAST _____

Depth Ft.	FORMATION	Sample No.	Length Ft.	Analysis CaF_2	Analysis SiO_2	Analysis $BaSO_4$	Analysis $CaCO_3$	Length Ft.	Progressive Totals CaF_2	Progressive Totals SiO_2	Progressive Totals $BaSO_4$: $CaSO_3$
469.0											
472.0		37	3.0	3.18	78.48	None		3.0	9.54	235.44	
494.0											
496.0		38	2.0	19.72	58.17	Trace		2.0	39.44	116.34	
504.0											
506.0		39	2.0	6.22	60.20	None		2.0	12.44	138.40	

ALCOA MINING COMPANY

HOLE B.T. n No. B.T. No. 3

SAMPLING RECORD

SHEET NO. 1

DEPTH 552' ANGLE 46° STRIKE S. 49° E. ELEVATION 6903 NORTH 18984.65 EAST 20062.22

Depth Ft.	FORMATION	Sample No.	Length Ft.	Analysis CaF_2	SiO_2	$BaSO_4$	$CaCO_3$	Length Ft.	Progressive Totals CaF_2	SiO_2	$BaSO_4$	$CaCO_3$
157.3								0.0				
160.3	Seams of Spar	84	3.0	2.61	65.55	None	3.42	3.0	7.83	196.65	0.0	10.26
166.3	Spar	85	6.0	59.01	22.67	16.08	0.90	9.0	361.89	332.67	96.48	15.66
168.0	Small Seams Spar	86	1.7	4.88	68.19	None	2.60	10.7	370.19	448.59	96.48	20.08
362.0												
364.3	Flor bred. with spar	96	2.3	17.58	58.44	2.46	2.76	2.3	40.43	134.41	5.66	6.35
368.3	Spar	97	4.0	61.65	27.87	None	1.25	6.3	287.03	245.89	55.66	11.35
371.8	Seams of spar	98	3.5	2.15	60.52	None	4.88	9.8	294.55	457.71	5.66	28.43
373.0	Spar	89	1.2	56.44	31.55	None	2.00	11.0	362.28	495.57	5.66	30.83
375.00	Seams of Spar	100	2.0	2.34	61.67	None	5.64	13.0	866.96	618.91	5.66	42.11

Test 43° 15' at 550

ALCOA MINING COMPANY

HOLE B.T. n No. 4

SAMPLING RECORD

SHEET NO. 1

DEPTH 555' ANGLE 46° STRIKE S. 49° E. ELEVATION 6933 NORTH 18662.62 EAST 19801.65

Depth Ft.	FORMATION	Sample No.	Length Ft.	Analysis CaF_2	SiO_2	$BaSO_4$	$CaCO_3$	Length Ft.	Progressive Totals CaF_2	SiO_2	$BaSO_4$	$CaCO_3$
186.0								-0.0-				
191.0	Alt. flor brec.	108	5.0	None	68.50	None	3.35	5.0	0.0	342.50		
191.0	Sludge for 186' to 196	108A	10.0	7.95	64.81	None	3.04					
191.0	Sludge & core		5.0	30.50	61.07			10.0	152.95	647.85		
196.0	Spar	109	5.0	58.48	28.45	None	1.11					
201.0	Alt. flor brec.	110	5.0	None	63.28	None	3.63	15.0	152.95	964.25		
264								0.0				
265.0	Alt. flo brec.	111	1.0	None	56.28	None	4.08	1.0	0.0	56.28	4.08	
275.0	Spar in brok breen zone	112	10.0	43.63	80.14	None	3.71					
275.0	Sludge (asbed 8')	112A	10.0	8.22	60.26	None	3.57					
275.0	Sludge & core		10.0	12.52	57.37		3.58	11.0	125.20	629.98		39.88

Test 42° 45' at 479'

ALCOA MINING COMPANY

HOLE B.T. n No. 4

SAMPLING RECORD

SHEET NO. 2

DEPTH _____ ANGLE _____ STRIKE _____ ELEVATION _____ NORTH _____ EAST _____

Depth Ft.	FORMATION	Sample No.	Length Ft.	Analysis CaF_2	Analysis SiO_2	Analysis $BaSO_4$	Analysis $CaCO_3$	Length Ft.	Progressive Totals CaF_2	Progressive Totals SiO_2	Progressive Totals $BaSO_4$	Progressive Totals $CaSO_3$
467.0								0.0				
469.0	Alt. flor. brec.	113	2.0	None	59.64	None	5.20	2.0	0.0	119.28		10.40
471.0	Spar	114	2.0	46.02	37.64	None	2.07	4.0	92.04	194.56		14.54
473.0	Alt. flor brec.	115	2.0	2.47	55.88	None	4.57	6.0	96.98	306.52		23.68

ALCOA MINING COMPANY

HOLE B.T. n No. 5

SAMPLING RECORD

SHEET NO. 1

DEPTH 447.5 ANGLE 46° STRIKE S 49° E. ELEVATION 6681 NORTH 19223.14 EAST 19814.18

Depth Ft.	FORMATION	Sample No.	Length Ft.	Analysis CaF_2	SiO_2	$BaSO_4$	$CaCO_3$	Length Ft.	Progressive Totals CaF_2	SiO_2	$BaSO_4$	$CaSO_3$
127.8								0.0				
131.6	Silicif.flor brec.	104	3.8	3.06	74.13	None	1.90	3.8	11.63	281.69	0.0	7.22
133.0	Spar	105	1.4	47.41	36.67	10.60	0.41	5.2	78.00	373.03	14.84	7.79
136.3	Very silicious spar	106	3.3	4.78	78.87	None	1.04	8.5	93.77	593.30	14.84	11.22
138.3	Foot all flor brec.	107	2.0	None	71.56	None	2.34	10.5	93.77	736.42	14.84	15.90

Test 45° at 447'

ALCOA MINING COMPANY

HOLE B.T. n No. 6

SAMPLING RECORD

SHEET NO. 1

DEPTH 501' ANGLE 46° STRIKE S 49° E. ELEVATION 6765 NORTH 19950.00 EAST 20133.00

Depth Ft.	FORMATION	Sample No.	Length Ft.	Analysis CaF_2	SiO_2	$BaSO_4$	$CaCO_3$	Length Ft.	Progressive Totals CaF_2	SiO_2	$BaSO_4$	$CaSO_3$
223.5								0.0				
229.0	Small seams spar	92	5.5	7.82	61.16	None	2.77	5.5	43.01	336.38		15.23
232.0	Silicious spar	93	3.0	19.64	65.48	None	1.01	8.5	101.93	532.76		18.26
237.5	Silicif. rock Spar	94	5.5	5.89	75.57	None	1.16	14.0	134.32	948.39		24.64
241.0	Alt. flo. brec	95	3.5	None	63.15	None	3.15	17.5	134.41	1169.41		35.66
457.8								0.0				
467.8	Gouge (contains some spar)	103	10.0	9.12	65.78	None	2.02					
467.8	Sludge	103A	10.0	2.61	71.35	None	1.95					
	Sludge & core		10.0	3.23	70.81		1.96	10.0	32.30	708.10		19.60

Test 46° 15' at 500'

ALCOA MINING COMPANY

HOLE B.T. No. 8

SAMPLING RECORD

SHEET NO. 1

DEPTH 430' ANGLE 46° STRIKE S. 49° E. ELEVATION 6739 NORTH 18958.78 EAST 19489.67

Depth Ft.	FORMATION	Sample No.	Length Ft.	Analysis CaF_2	SiO_2	$BaSO_4$	$CaCO_3$	Length Ft.	Progressive Totals CaF_2	SiO_2	$BaSO_4$	$CaCO_3$
136.3								0.0				
138.7	Seams of spar in brec.	116	2.4	15.89	57.31	None	2.89	2.4	38.14	137.54	0.0	6.94
141.7	Silicious Spar	117	3.0	33.08	46.05	None	2.15	5.4	137.38	275.69	0.0	13.39
146.2	Spar	118	4.5	42.40	26.20	11.96	1.00	9.9	328.18	393.59	53.82	17.89
151.8	Seams of Spar	119	5.6	19.64	56.50	Traces	2.66	15.5	428.16	709.99	53.82	32.79
169.0								0.0				
171.5	Silicious Spar	120	2.5	24.16	67.39	None	2.72	2.5	60.40	168.47		6.80
175.0	Spar	121	2.5	40.46	49.23	None	1.30	6.0	202.01	340.77		11.35
177.0	Seams of spar	122	2.0	4.62	68.92	None	2.30	8.0	211.25	478.61		16.13
194.8								0.0				
109.3	Silicious Spar	123	4.5	27.01	56.89	1.68	1.50	4.5	121.54	256.00	7.56	6.75

Test 42° 45' at 430'

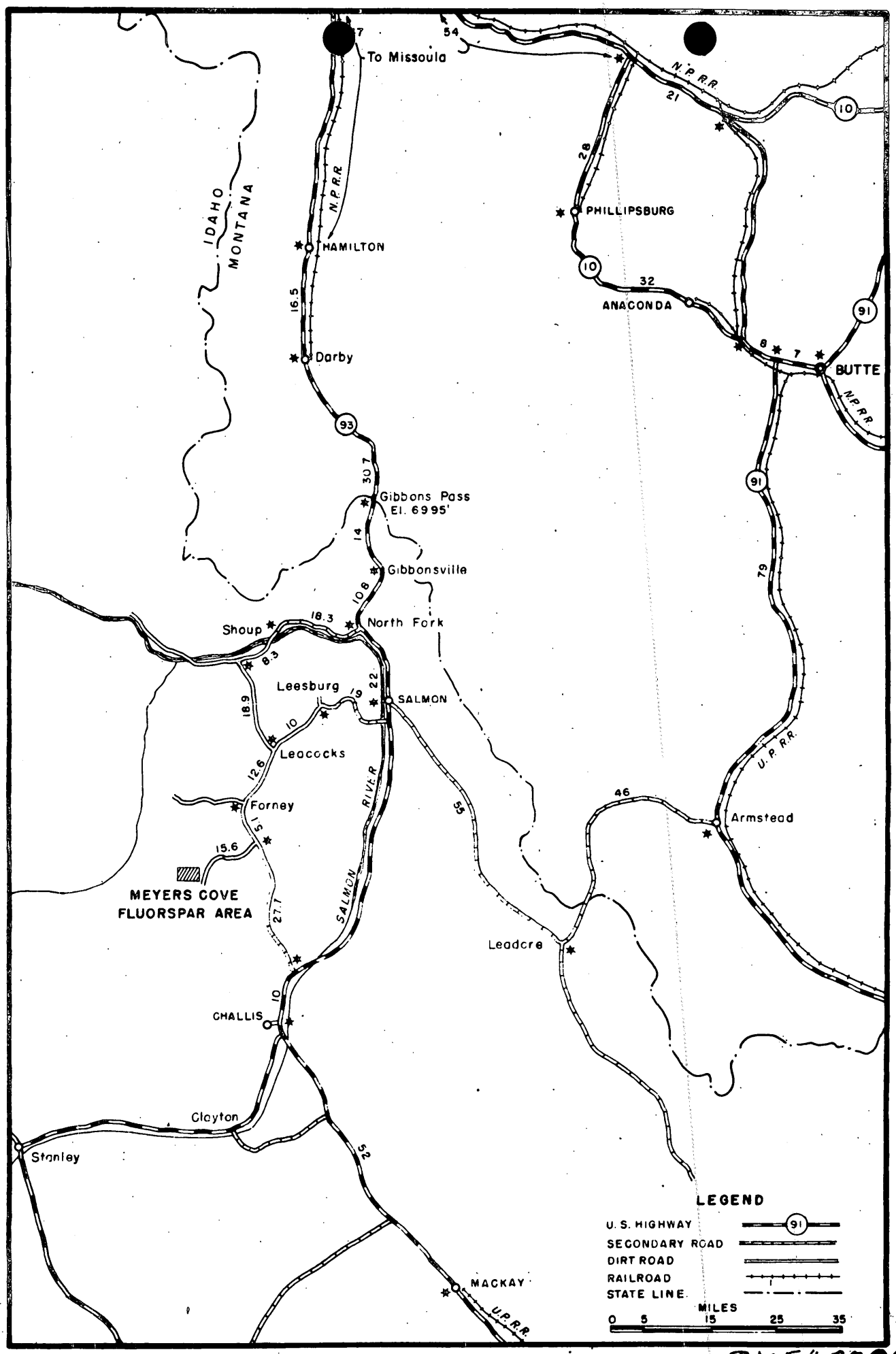


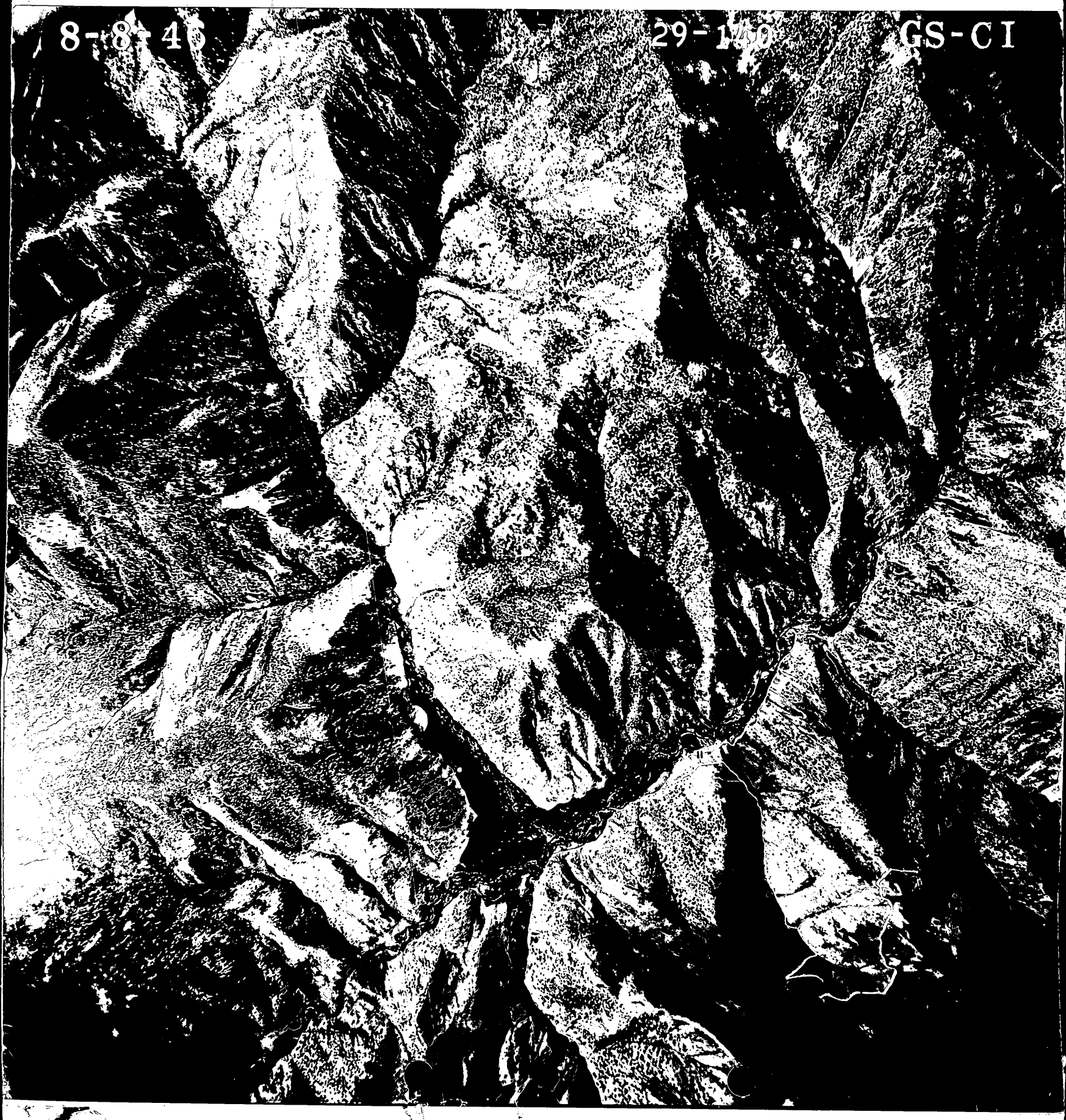
Fig. 1 - LOCATION MAP - MEYERS COVE FLUORSPAR DMEA-2396

ODE OF MEYERS COVE AREA
LEMHI COUNTY, IDAHO

RE: PHOTO 8-8-46 (29-140) - GS-C1

"E" -East Area
"W" - West Area
1 - Bear Trap Vein
2 - South Vein
3 - North Vein
4 - Big Lead
5 - Powder House Vein
6 - "A" Trench Area
7 - "B" " "
8 - "C" " "
9 - Mill
10 - Wilson Ranch
11 - Camas Creek
12 - Silver "
13 - Duck "

DMEA-23

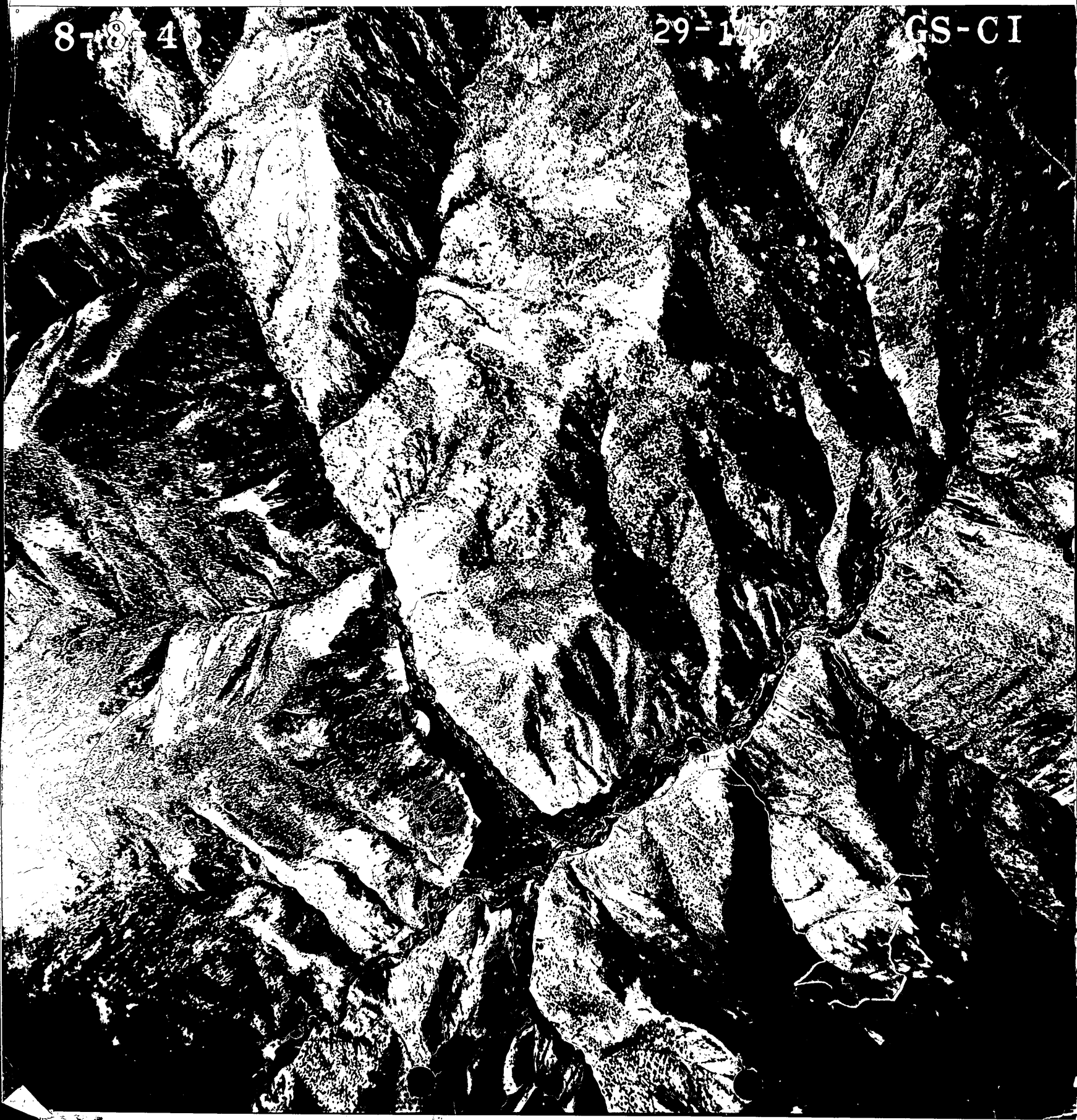

8-8-4
29-140
GS-CI

'ODE OF MEYERS COVE AREA
LEMHI COUNTY, IDAHO

RE: PHOTO 808-46 (29-140) - GS-C1

"E" - East Area
"W" - West Area
1 - Bear Trap Vein
2 - South Vein
3 - North Vein
4 - Big Lead
5 - Powder House Vein
6 - "A" Trench Area
7 - "B" " "
8 - "C" "
9 - Mill
10 - Wilson Ranch
11 - Camas Creek
12 - Silver "
13 - Duck "

DMEA-2396


8-8-4
29-1
GS-CI

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

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

MAY 18 1953

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

Month of April, 1953 Docket No. DMEA 2396 Contract No. Idm-347
Operator's Name J. R. Simplot Co., Fluorspar Mines Minerals Fluorspar
Address Continental Bank Bldg., Boise, Idaho
Contract Amount, $ 57,900 Government Participation: 50 % Amount, $ 25,950

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	—	2,500.00	2,500.00			
Unit: Crosscutting 31.50 ft.	1,228.50	20,727.00	21,955.50			
Drifting	3,937.50	18,837.00	22,774.50			
Raising	—	882.00	882.00			
(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	5,166.00	42,946.00	48,112.00	5166.00	42,946.00	48112.00

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

Date May 1, 1953 *Payee J. R. Simplot Co., Fluorspar Mines

Per K. Madsen Title Mgr.

*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:

$ 2583.00

Signature (Authorized Certifying Officer)

Date 5/12/53 Vou. No. 758
(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 347 in accordance with the terms of the contract.

Signature Verda J. Johnson Title Mining Engineer Date 5-11-53

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature /s/ Thomas E Howard Title Mining Engr Date 5/11/53

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

GPO 83-38476

Form MF-104A
(April 1952)

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

MAY 18 1953

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of APRIL 1953 Docket No. DMEA 2396 Contract No. 1011-347
Operator's Name J.R. SIMPLOT CO., FLUORSPAR MINES Minerals FLUORSPAR
Address CONFIDENTIAL BANK BLDG., BOISE, 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		3,937.50	125'	22,774.50	723'			
Crosscutting		1,228.50	39'	21,955.50	697'			
Raising			—	882.00	28'			
Shafts								
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails			—	1,000.00				
PORTAL SITE			—	1,500.00	(1,448')			
TOTAL DISTRIBUTED COSTS		5,166.00		48,112.00				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		5,166.00		48,112.00				

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

Date MAY 1, 1953 Operator J.R. SIMPLOT CO., FLUORSPAR MINES

Per K. Madile Title MGR.

REMARKS:

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

(Instructions on reverse)

(For Government use only)

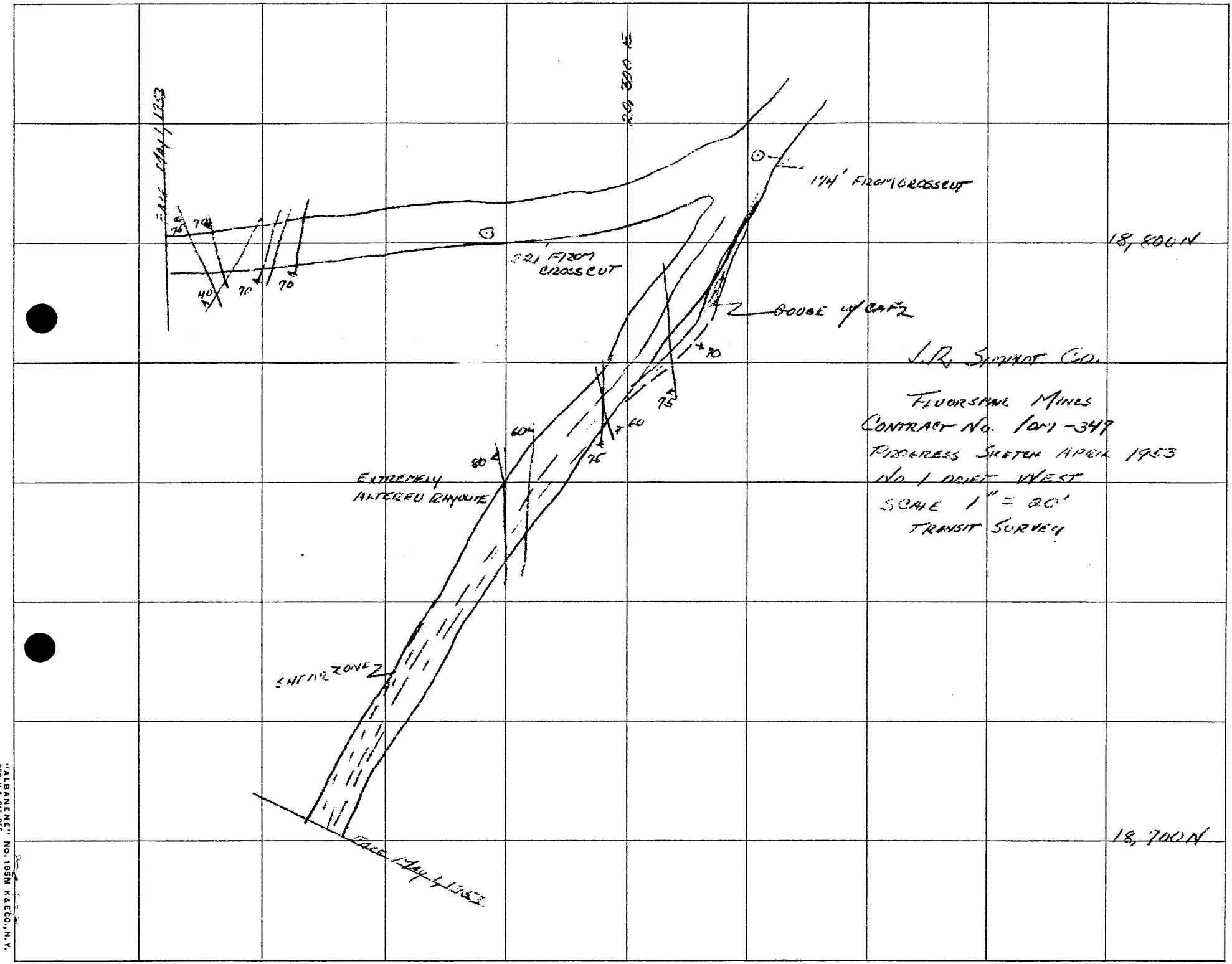
INSTRUCTIONS

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

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

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

GPO 83-38475



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

J. R. SIMPLOT COMPANY
FLUORSPAR MINES

NARRATIVE REPORT FOR THE MONTH OF APRIL, 1953

Docket No. D.M.E.A. 2396
Contract No. Idm-347

During the month the No. 1 West drift was advanced 125 feet for a total of 299 feet. The crosscut was advanced 39 feet for a total of 99 feet.

The drift progressed through hard siliceous rock for the first 30 feet. The remaining 95 feet was driven in highly fractured and altered rhyolite with only occasional blebs of fluorspar.

The crosscut was driven in an highly altered, iron-stained, breccia zone. Stringers of fluorspar were noted in the faults.

Both headings were discontinued at mid month, pending approval of diversion of funds for diamond drilling.

Respectfully submitted,

Don Ferguson
J. R. Simplot Co.
Fluorspar Mines

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

RECEIVED
BUREAU OF MINES
APR 16 1953
SPOKANE, WASH.

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

Budget Bureau No. 42-R1036.3.
Approval expires 6-30-53.
Defense Minerals Administration
RECEIVED
APR 27 1953

Month of MARCH, 1953 Docket No. DMEA 2396 Contract No. 10M 347
Operator's Name J. R. SIMPLOT CO. Minerals FLUORSPAR
Address CONTINENTAL BANK BUILDING, BOISE, IDAHO
Contract Amount, $ 57,900.00 Government Participation: 50 % Amount, $ 28,950.00

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling						
Bulldozing		2,500.00	2,500.00			
Crosscutting Unit - 31.50	6,890.00	18,837.00	20,727.00			
Drifting	5,481.00	13,356.00	18,837.00			
RAISING	189.00	693.00	882.00			
(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	7,560.00	35,386.00	42,946.00	7560.00	35,386.00	42,946.00

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

Date APRIL 12, 1953 *Payee J. R. SIMPLOT CO., FLUORSPAR MINES

Per K. Madill Title MANAGER

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

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

(Instructions on reverse)

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

$ 3,780.00

Signature (Authorized Certifying Officer)

Date 4/21/53 Vou. No. 735

(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. 7dx5347 in accordance with the terms of the contract.

Signature Verdo J. Johnson Title Min. Engr. Date 4-20-53

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature /s/ Thomas E. Howard Title Mining Engr Date 4/20/53

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

GPO 83-38476

Form MF-104A
(April 1952)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
APR 27 1953

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of MARCH 1953 Docket No. DMEA 2396 Contract No. 10M 347
Operator's Name J. R. SIMPLOT CO. Minerals FLUORSPAR
Address CONTINENTAL BANK BUILDING, BOISE, 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		5,481	174	18,837.00	598			
Crosscutting		1,880	60'	20,727.00	658			
Raising		189	6	882.00	28			
Shafts								
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails				1,000.00				
PORTAL SITE				1,500.00				
TOTAL DISTRIBUTED COSTS		7,560.00		42,946.00				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		7,560.00		42,946.00				

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 APRIL 12, 1953 Operator J. R. SIMPLOT CO, FLUORSPAR MINES

Per K. Madill Title MANAGER

REMARKS:

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

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

GPO 83-38475

Challis, Idaho
April 12, 1953

Docket No. DMEA 2396
Contract No. Idm 347

NARRATIVE REPORT FOR THE MONTH OF MARCH 1953

During the month the first drift was advanced 174 feet, to a point above diamond drill hole No. 3. At this point the heading was turned northerly and 60 feet of crosscut was driven. The raise above No. 2 drift East was advanced six feet and abandoned. Total advance for the month was 240 feet.

The No. 1 drift West was driven in a highly silicified structure with erratic fluorspar mineralization for the first 100 feet. Throughout the remaining 74 feet the vein was less silicic, less compact, and contained more clay and barite.

The 60 feet of crosscut showed several fluorite stringers and minor fractures. The crosscut will be advanced approximately 6 0 feet further to intersect the second structure. If results are not encouraging, this heading will be temporarily abandoned and drifting will be resumed. As a result of a conference with the DMEA field team, an application for permission to divert funds for some 600 feet of diamond drilling will be submitted in the near future.

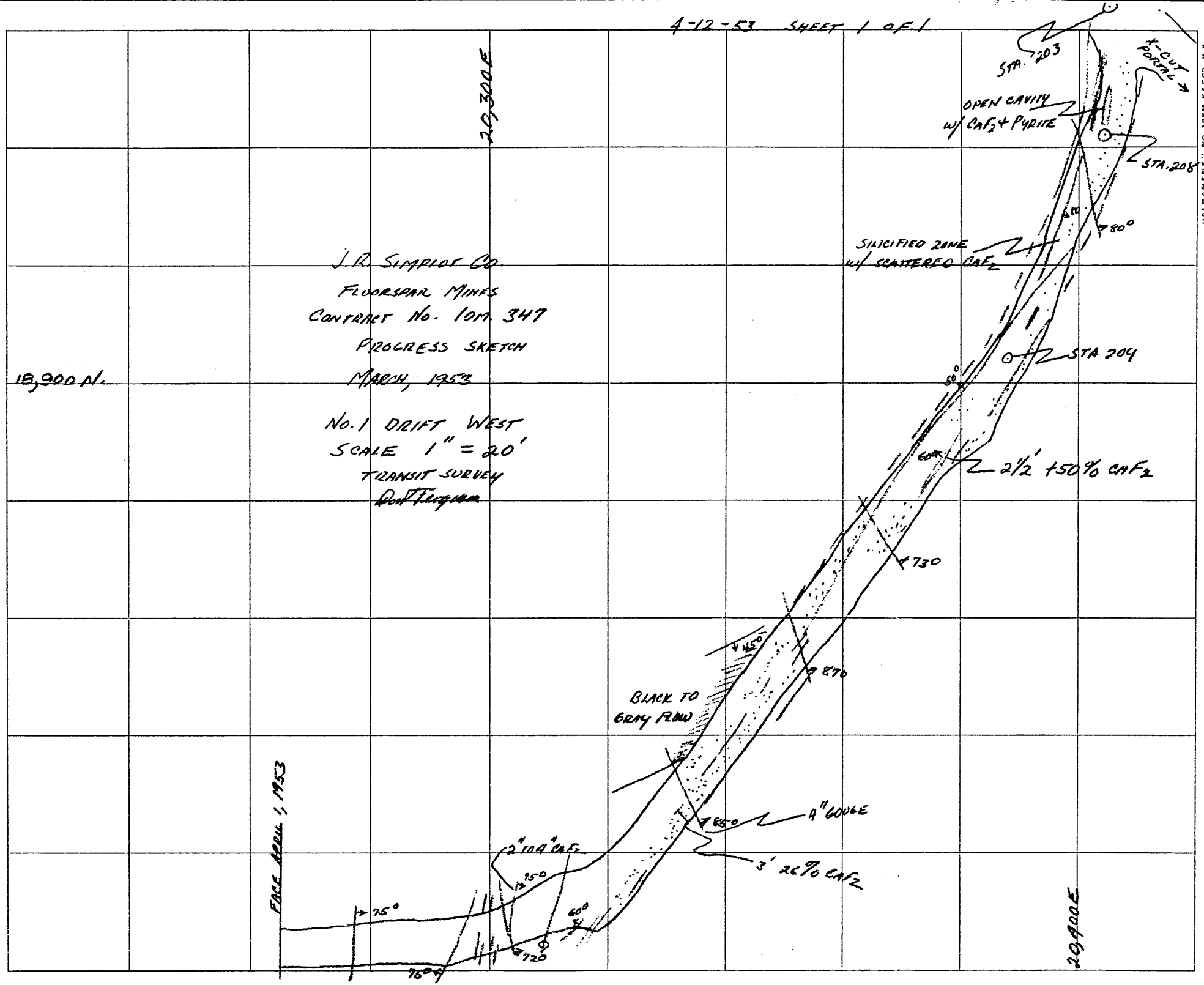
Respectfully submitted,

Keith Madill

Keith Madill, Manager

J. R. SIMPLOT COMPANY
FLUORSPAR MINES

4-12-53 SHEET 1 OF 1



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

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Budget Bureau No. 42-R1083.3.
Approval expires 6-30-53.

Defense Minerals Administration
RECEIVED
MAR 24 1953

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of FEBRUARY, 1953 Docket No. DMEA 2376 Contract No. 101 347

Operator's Name J. R. SUMMIT CO. Minerals FLUORSPAR

Address COMMERCIAL BANK BLDG., BOISE, IDAHO

Contract Amount, $ 57,900.00 Government Participation: 50 % Amount, $ 28,950.00

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						W
Drilling						
Bulldozing		2,500.00	2,500.00			
Crosscutting		18,837.00	18,837.00			
Drifting	7,623.00	5,733.00	13,356.00			
RAISING	693.00		693.00			
(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	8,316.00	27,070.00	35,386.00	8316.00	27070.00	35386.00

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

Date MARCH 3, 1953 *Payee J. R. SUMMIT CO., FLUORSPAR MINES

Per K. Madsen Title MANAGER

*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:

$ 4158.00

Signature [signature]
(Authorized Certifying Officer)

Date 3/19/53 Vou. No. 701
(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 347 in accordance with the terms of the contract.

Signature Verda E. Johnson Title Mining Engr. Date 3-17-53

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature /S/ Thomas E. Howard Title Mining Engr. Date 3/17/53

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Form MF-104A
(April 1952)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAR 24 1953

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of February 1953 Docket No. DMEA 2346 Contract No. 1004 347
Operator's Name J.R. Simplot Co. Minerals Tungsten
Address Commercial Bank Bldg., Boise, 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		7,622.00	347'	13,356.00				
Crosscutting				18,837.00				
Raising		693.00	22'	693.00				
Shafts								
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails				1,000.00				
				1,500.00				
TOTAL DISTRIBUTED COSTS		8,316		35,386.00				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		8,316		35,386.00				

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 March 3, 1953 Operator J.R. Simplot Co., Tungsten Mines
Per K. Madell Title Manager

REMARKS:

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

(Instructions on reverse)

(For Government use only)

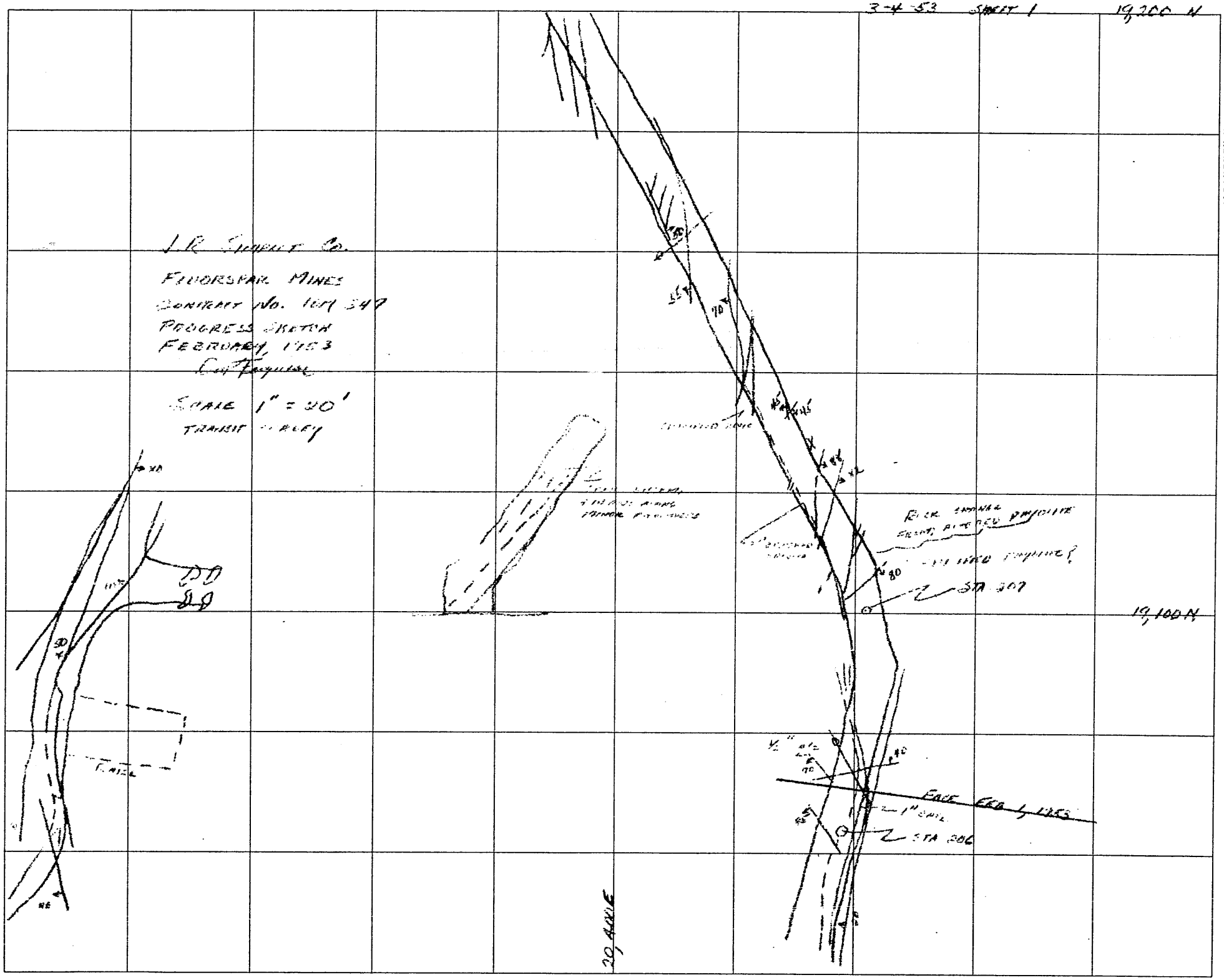
INSTRUCTIONS

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

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

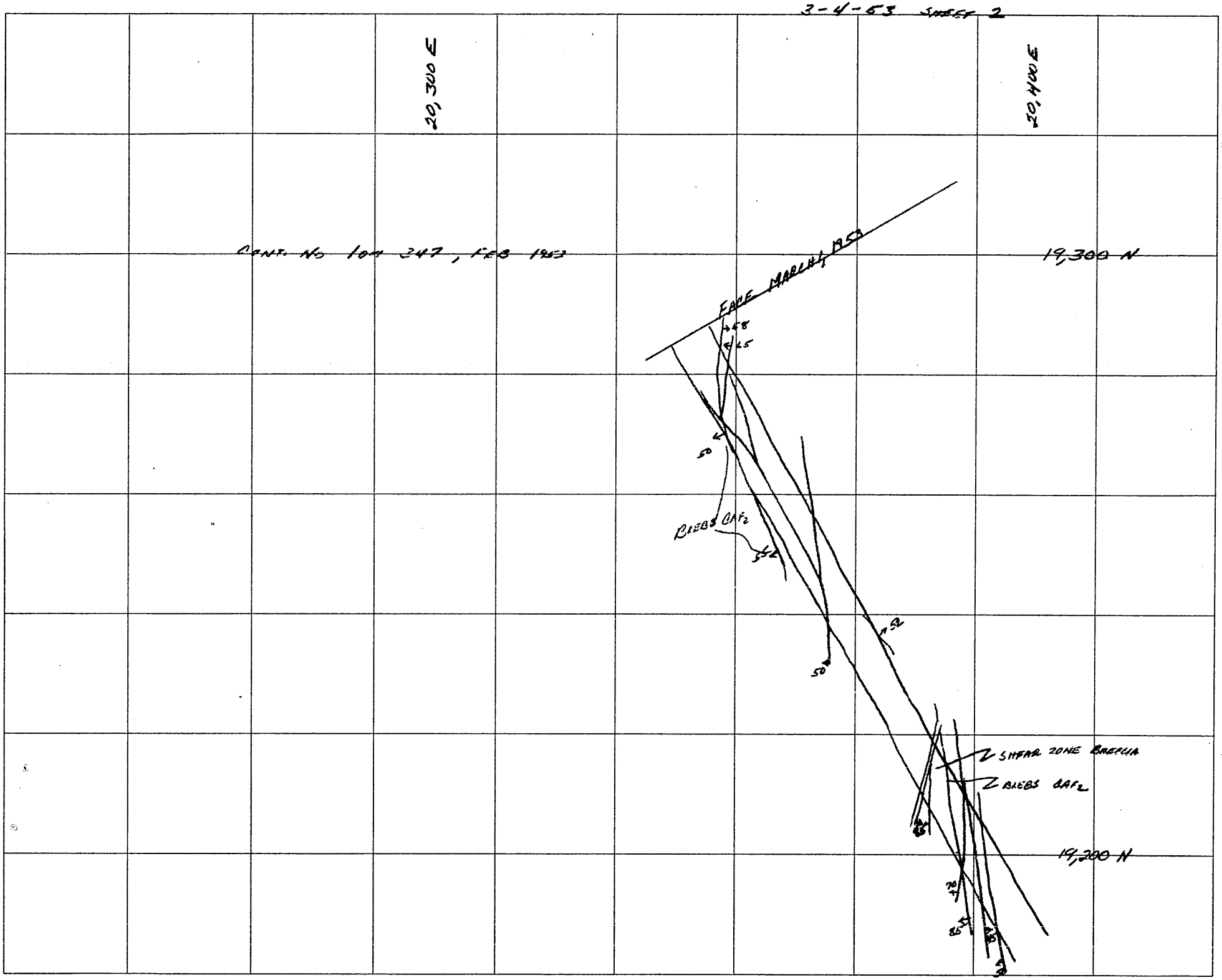
In preparing Form MF-104A, it will be necessary frequently to distribute certain costs over a number of items. For instance, supervisory and engineering costs may have to be distributed over several phases, such as, drifting, crosscutting, raising, etc., provided that these items were reported active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

GPO 83-38475



"ALBANENE" No. 196M K&E CO., N.Y.
REG. U.S. PAT. OFF.

3-4-53 SHEET 2



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

Challis, Idaho
March 4, 1953

Docket No. DMEA 2396
Contract No. Idm 347

NARRATIVE REPORT FOR THE MONTH OF FEBRUARY 1953

During the month of February the first drift was turned Northeasterly, and advanced 242 feet. In the main, this advance crosscut the projection of the Bear Trap vein below out crop ore. The entire zone was complexly faulted, and highly altered. Numerous stringers and blebs of fluorite, barite, and quartz were encountered. A raise was driven 22 feet above the second drift on a structure containing from 6" to 2' of fluorite and barite. Mineralization and structure were both extremely erratic. If the next ten feet of advance does not expose stronger structure this heading will be abandoned.

Acting upon the recommendations of your geologists, most of the remaining footage will be directed toward exploring the Bear Trap vein in a westerly direction from the Adit, over diamond drill holes 3 and 4.

Respectfully submitted,

K. Madill

K. Madill, Manager
J. R. Simplot Co.
Fluorspar Mines

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

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

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
2 1953

Month of JAN, 1953 Docket No. DMEA 2376 Contract No. IDM 347
Operator's Name J. R. SIMPLOT CO. Minerals FLUORSPAR
Address CONTINENTAL BANK BLDG., BOISE, IDAHO.
Contract Amount, $ 57,900 Government Participation: 50% Amount, $ 28,950

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) ~~Independent~~ Short Form Contracts:						
Drilling						
Bulldozing		2,500 00	2,500 00			
Crosscutting		18,837 00	18,837 00			
Drifting 31.50 ft	5,733 00		5,733 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	5,733	21,337 00	27,070 00	5733.00	21337.00	27070.00

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

Date FEB 9, 1953 *Payee J. R. SIMPLOT CO. FLUORSPAR MINES

Per K. Madsen Title MANAGER

*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:

$ 2866 50

Signature (Authorized Certifying Officer)

Date 2/18/53 Vou. No. 670

(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 347 in accordance with the terms of the contract.

Signature /s/ Webster S. Anderson Title Mining Engr. Date 7/18/53

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature /s/ Thomas E. Howard Title Mining Engr. Date 7/18/53

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

GPO 83-38476

Form MF-104A
(April 1952)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED

Month of Jan. 1953 Docket No. DMEA 2396 Contract No. 1D0C0347
Operator's Name J. R. Simplot Co. Minerals Fluorspar
Address Continental Bank Bldg., Boise, 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		5733.00	182	5,733.00	182			
Crosscutting				18,837.00	598			
Raising								
Shafts								
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails				1,000.00				
Portal Site				1,500.00				
TOTAL DISTRIBUTED COSTS		5733		27,070.00				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		5733		27,070.00				

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. 9, 1953 Operator J. R. Simplot Co. Fluorspar Mines

Per _____ Title Manager

REMARKS:

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

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

GPO 83-38475

Challis, Idaho
February 9, 1953

Docket No. DMEA 2396
Contract No. Idm 347

NARRATIVE REPORT FOR THE MONTH OF JANUARY, 1953

During the month of January two drifts were advanced a total distance of 182 feet. The first drift (at 350' from portal) was advanced 112 feet, and the second drift (at 492 feet from portal) was advanced 70 feet.

The first drift was driven on an highly irregular vein in fractured and silicified rhyolite. Even by breaking the vein material seperately, economic ore could not be extracted. The average grade approximated 20 per cent CaF_2.

The second drift was driven in an highly altered fracture zone. Discontinuous "pods" of fluorite and barite were encountered as shown on accompanying map.

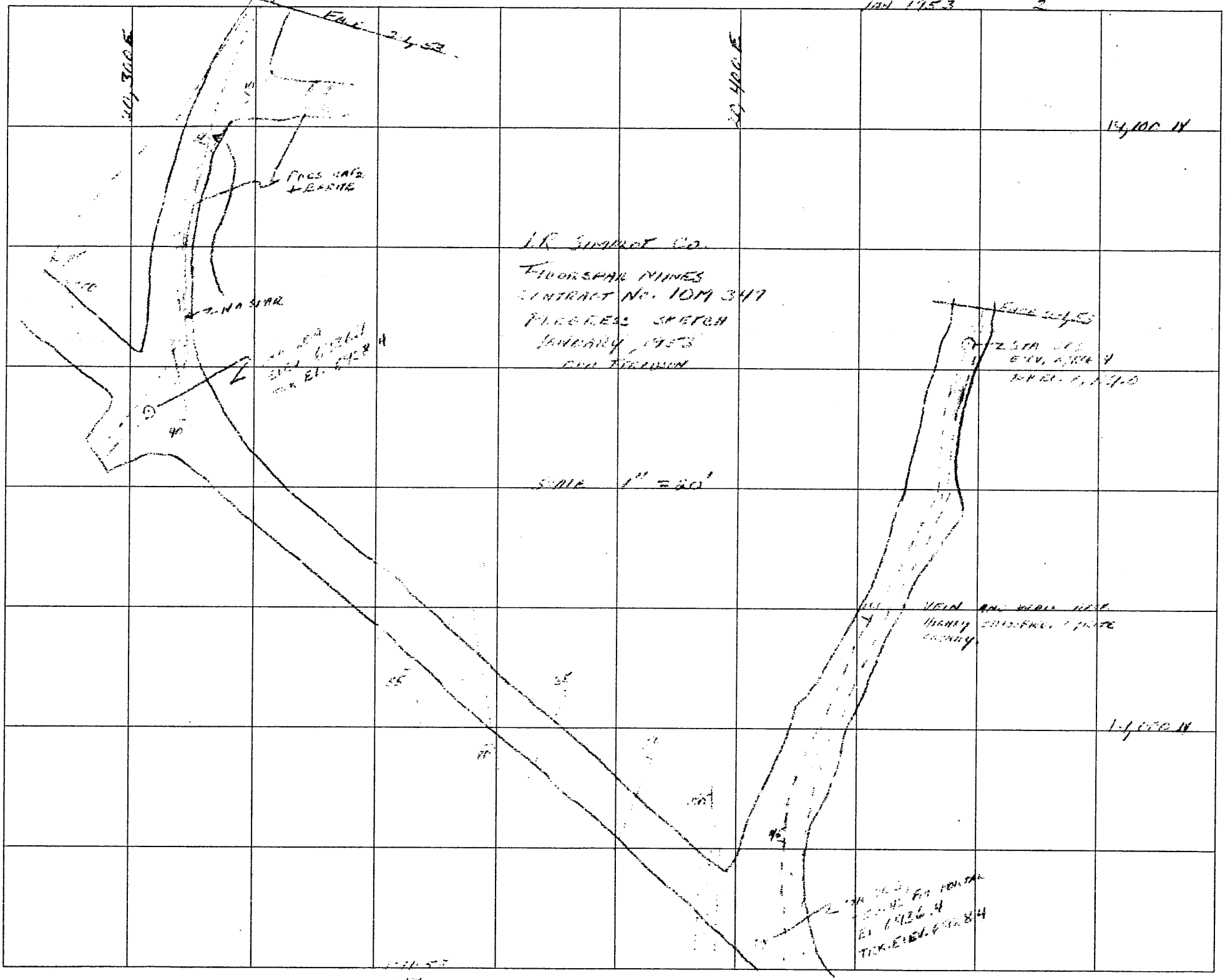
Both drifts gave evidence that the Bear Trap vein had "feathered out" at a point East of the cross-cut. At the suggestion of your geologist, Mr. Wayne Roberts, work was suspended on the second drift. The first drift was turned in a Northeasterly direction to intersect the vein below known ore on the surface. The distance to this objective is 130 feet.

At the end of the month an air trammer and "cherry picker" were ordered to increase the rate of advance.

Respectfully submitted

Keith Madill

Keith Madill, Manager
J. R. Simplot Co., Fluorspar Mines



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

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

DEPARTMENT OF THE INTERIOR Budget Bureau No. 28-R036.3. Approval expires 6-30-53. Defense Minerals Administration RECEIVED JAN 12 1953

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of DECEMBER, 1952 Docket No. DMEA 2396 Contract No. IDM 347
Operator's Name J. R. SIMPLOT CO. Minerals FLUORSPAR
Address CONTINENTAL BANK BLDG., BOISE, IDA.
Contract Amount, $ 57,900 Government Participation 50 % Amount, $ 28,950

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) ~~Independent~~ Short Form Contracts:						
Drilling						
Bulldozing		$2,500.00	$2,500.00			
Crosscutting	$4,536.00	14,301.00	18,837.00			
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	4,536.00	16,801.00	21,337.00	4,536.00	16,801.00	21,337.00

I certify that the above bill is correct and just and that payment therefor has not been received.
Date JAN. 1, 1953 *Payee J. R. SIMPLOT CO.
Per K. Madill Title FLUORSPAR MINES MANAGER

*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:
2268.00
$ 2268.00
Signature (Authorized Certifying Officer)
Date 1/7/53 Vou. No. (See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. E 347 in accordance with the terms of the contract.

/S/ Signature Edward W Buck Title Mining Engr Date 1/6/53

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

/S/ Signature Thomas E Howard Title Mining Engr Date 1/6/53

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

GPO 83-38476

Form MF-104A
(April 1952)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JAN 1 3 1953

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of DECEMBER 1952 Docket No. DMEA 2396 Contract No. 1DM 347
Operator's Name J. R. SIMPLOT CO. Minerals FLUORSPAR
Address CONFIDENTIAL BANK BLDG., BOISE, IDA.

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		$4,536.00	149'	$18,837.00	598			
Raising								
Shafts								
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads ~~and Trails~~				$1,000.00				
PORTAL SITE				1,500.00				
TOTAL DISTRIBUTED COSTS		$4,536.00		$21,337.00				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, 1953 Operator J. R. SIMPLOT CO.
Per H. Madill FLUORSPAR, MINES Title MANAGER

REMARKS:

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

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

GPO 83-38475

Challis, Idaho
January 2, 1953

Docket No. DMEA 2396
Contract No. Idm 347

NARRATIVE REPORT FOR THE MONTH OF DECEMBER 1952

During the month of December the crosscut was advanced 144 feet. Total advance was 598 feet.

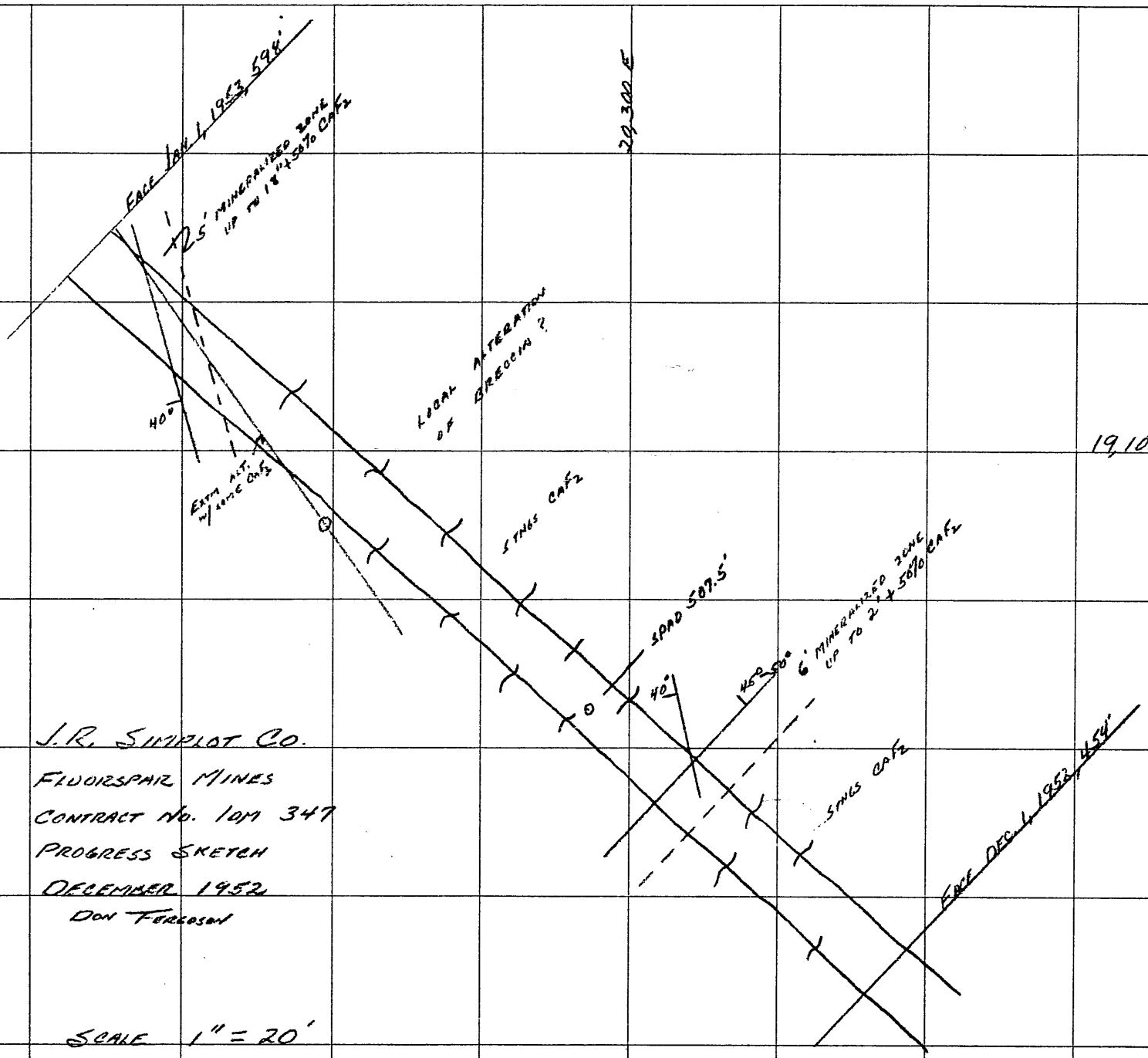
At 487 to 493 feet from the portal an highly mineralized structure was cut. This structure coincided with the projection of the Bear Trap vein, but due to continuing mineralization the crosscut was advanced an additional 105 feet.

During the last ten days of the month both structures were "sideswiped" in preparation for drifting, and the track was revamped to provide for ore and waste haulage. Drifting will be initiated on both structures during the first week of January. It is anticipated that the drifts will be advanced at a reduced rate, as neither structure contains a full face of economic ore. It is proposed to remove the ore and waste separatly as long as this condition exists. Details of repayment of the loan from exploration production should be worked out in the near future.

Respectfully submitted,

Keith Madill

Keith Madill, Manager
J. R. SIMPLOT CO.
FLUORSPAR MINES



J.R. SIMPLOT CO.
FLUORSPAR MINES
CONTRACT No. 10M 347
PROGRESS SKETCH
DECEMBER 1952
DON FERGUSON

SCALE 1" = 20'

1-1-53 DF

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

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
DEC 15 1952

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of NOVEMBER, 1952 Docket No. DMEA 2396 Contract No. 1017-347
Operator's Name J. R. SIMPLOT CO. Minerals FLUORSPAR
Address CONTINENTAL BANK BLDG. BOISE, IDA
Contract Amount, $ 57,960 Government Participation: 50 % Amount, $ 28,950

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		2,500.00	2,500.00			
Crosscutting	5197.50	9,103.50	14,301.00			
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	5197.50	11,603.50	16,801.00	5197.50	11603.50	16,801.00

I certify that the above bill is correct and just and that payment therefor has not been received.
Date DEC. 4-52 *Payee J. R. SIMPLOT CO. FLUORSPAR MINES
Per K. Madry Title MANAGER

*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:

$ 2598.75

Signature
(Authorized Certifying Officer)

Date 12/9/52 Vou. No.
(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. E 347 in accordance with the terms of the contract.

Signature Verda J. Johnson Title Mining Engr. Date 10-8-52

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature Thomas E Howard Title Mining Engr Date 10/8/52

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

GPO 83-38476

Form MF-104A
(April 1952)

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
DEC 15 1952

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

Month of Nov. 1952 Docket No. DMEA 2396 Contract No. IDM-347
Operator's Name J. R. SIMPLOT Co. Minerals FLUORSPAR
Address CONTINENTAL BANK BLDG., BOISE, IDA.

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		$5197.50	165'	14,301.00	454			
Raising								
Shafts								
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails				1,000.00				
PORTAL SITE				1,500.00				
TOTAL DISTRIBUTED COSTS		5197.50	165'	16,801.00				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		5197.50		16,801.00				

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 DEC. 4, 1952 Operator J. R. SIMPLOT Co. FLUORSPAR MINES, INC.
Per K. Madill Title MANAGER

REMARKS:

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

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

GPO 83-38475

Challis, Idaho
December 4, 1952

Docket No. 2396
Contract No. Idm-347

NARRATIVE REPORT FOR THE MONTH OF NOVEMBER

During the month of November the crosscut was advanced 165 feet. Total advance was 458 feet.

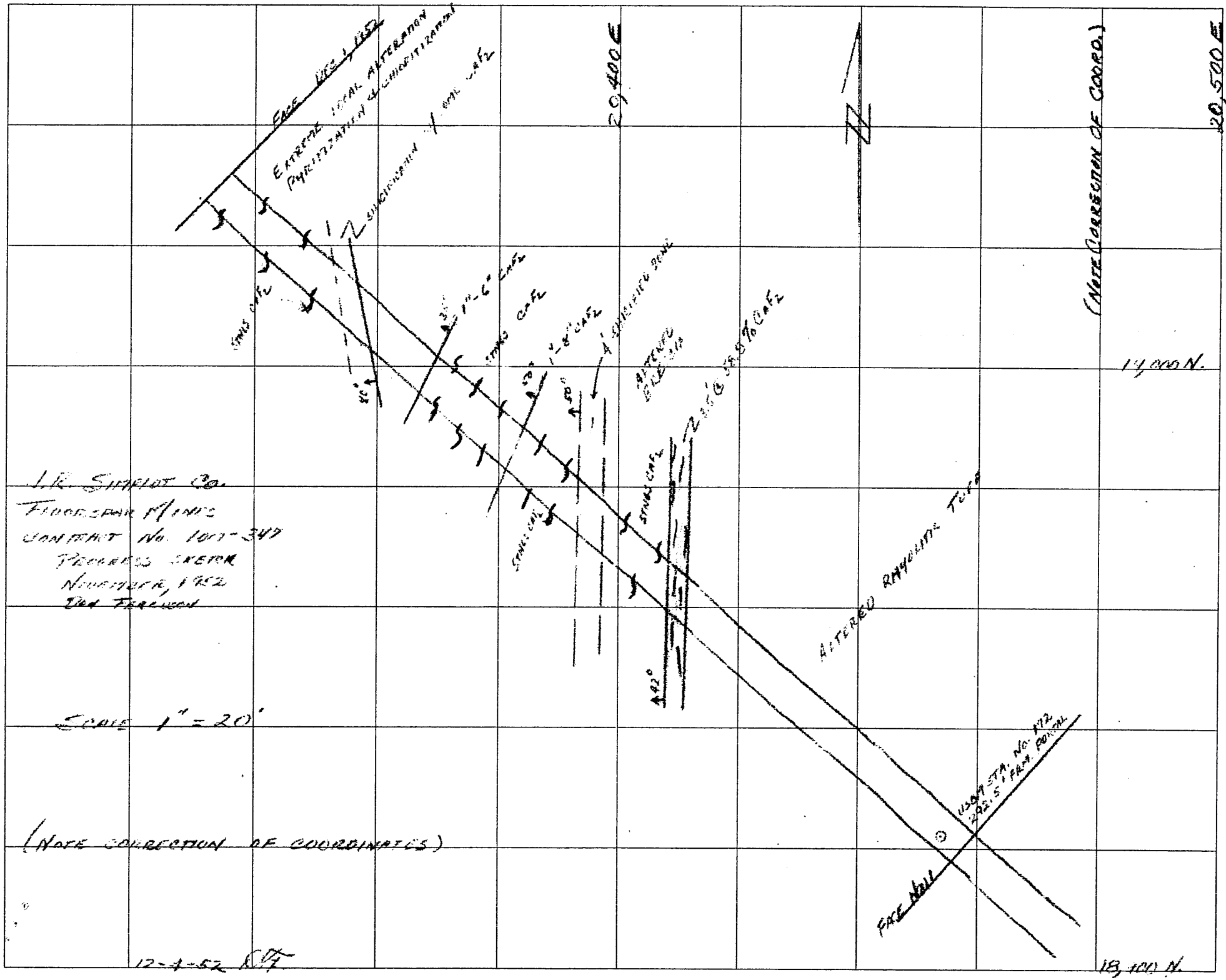
At 357 feet from the portal an highly mineralized zone was entered. A channel sample of 3.5 feet on the footwall side assay 58.8 per cent CaF_2. Car samples of the ensuing 19 feet assayed 19 per cent CaF_2. From this structure to the face, a distance of 97 feet, an highly altered fracture zone was cut. The zone is one of intense silicification and chloritization. Stringers of fluorite were encountered throughout the zone. Car samples yielded assays varying from 2.5 to 10 per cent CaF_2. (See accompanying map for structural detail.)

Due to the lack of competent miners, the crosscut was advanced on a one shift basis for the greater part of the month. A Blower and vent tubing were installed, and drill water storage was placed underground during the month.

Respectfully submitted,

K. Madill

K. Madill, Manager
J. R. SIMPLOT CO.
FLUORSPAR MINES



"ALBANENE" REG. U.S. PAT. OFF. No. 1166M K&E CO., N.Y.

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

Wash

PUBLIC VOUCHER FOR PURCHASES AND SERVICES OTHER THAN PERSONAL

D. O. Vou. No. .....

Bu. Vou. No. 537

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

Voucher prepared at Spokane, Washington 11/24/52
(Give place and date)

THE UNITED STATES, Dr., Payee's Account No. Icm-E347

To J. R. Simplot Co.,
(Payee)

Continental Bank Building, Boise, Idaho
(Address) (City) (State)

PAID BY

(For use of Paying Office)

No. and Date of Order	Date of Delivery or Service	ARTICLES OR SERVICES (Enter description, item number of contract or Federal supply schedule, and other information deemed necessary) Discount Terms	QUANTITY	UNIT PRICE Cost	UNIT PRICE Per	AMOUNT Dollars	AMOUNT Cts.
	October 1952	As per attached certified form MF-104 dated 11/5/52				4,016	25
PAYMENT: Complete ☐ Partial ☐ Final ☐		Use continuation sheet(s) if necessary					
Shipped from	to	Weight	Government B/L No.		Total	4,016	25

(Payee must NOT use this space)

Differences .....

Account verified; correct for 4,016 25

(Signature or initials) .....

Contract No. Icm-E347 Date Req. No. Date Invoice Rec'd.

4,016.25

MEMORANDUM

ACCOUNTING CLASSIFICATION (For completion by Administrative Office)

Appropriation, limitation, or project symbol	Appropriation title	Limit'n. or Proj't. Amount	Appropriation Amount
14X4401	Revolving Fund, Defense Production Act, Interior	4,016.25	4,016.25

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

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

16—22900a-2

METHOD OF OR ABSENCE OF ADVERTISING

METHOD OF ADVERTISING

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

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

ABSENCE OF ADVERTISING

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

.....

.....

.....

.....

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

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

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

16—22000a-2

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

DEPARTMENT OF THE INTERIOR
Budget Bureau No. 42-R1036.3.
Defense Approval expires 6-30-53.

RECEIVED
NOV 2 5 1952

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

Month of October, 1952 Docket No. DMEA 2396 Contract No. Idm-347
Operator's Name J. R. Simplot Co. Minerals Fluorspar
Address Continental Bank Bldg., Boise, Ida
Contract Amount, $ 57,900 Government Participation: 50 % Amount, $ 28,950

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			2,500			
Crosscutting	$8,032.50	1,071.00	9,103.50			
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	8,032.50	1,071.0	11,603.50			

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

Date Nov. 5-52 *Payee J.R. Simplot Co.
Fluorspar Mines, Inc
Per Keith Moss Title Manager

*When a [redacted] 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:

$ 4016 25

Signature [signature]
(Authorized Certifying Officer)

Date 11/20/52 Vou. No.
(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

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

Signature ..... Title ..... Date .....

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature ..... Title ..... Date .....

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

GPO 83-38476

Form MF-104A
(April 1952)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
NOV 2 1952

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of October 1952 Docket No. DMEA 2396 Contract No. Idm-347
Operator's Name J. R. Simplot Co. Minerals Fluorspar
Address Continental Bank Bldg., Boise, Ida.

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		8,032.50	255'	9,103.50	289'			
Raising								
Shafts								
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails				1,000	1			
				1,500	1			
Total Distributed Costs		8,032.50		12,603.50				Total Costs Authorized by Contract
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
Total Costs		8,032.50		12,603.50				

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

Date Nov. 5, 1952 Operator J. R. Simplot Co
Fluorspar Mines, Inc.
Per Keith Madill Title Manager
Keith Madill

Remarks:

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

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

GPO 83-38475

Challis, Idaho
November 6, 1952

NARRATIVE REPORT FOR THE MONTH OF OCTOBER, 1952

During the month of October the cross cut was advanced 255 feet. Total advance at month's end was 289 feet.

At 185 feet from the portal on highly altered, ferruginous, fracture zone was encountered and traversed for a distance of 8 feet. This structure strikes normal to the crosscut and dips 35 degrees North Easterly. The zone contains irregular stringers of Fluorite and Quartz.

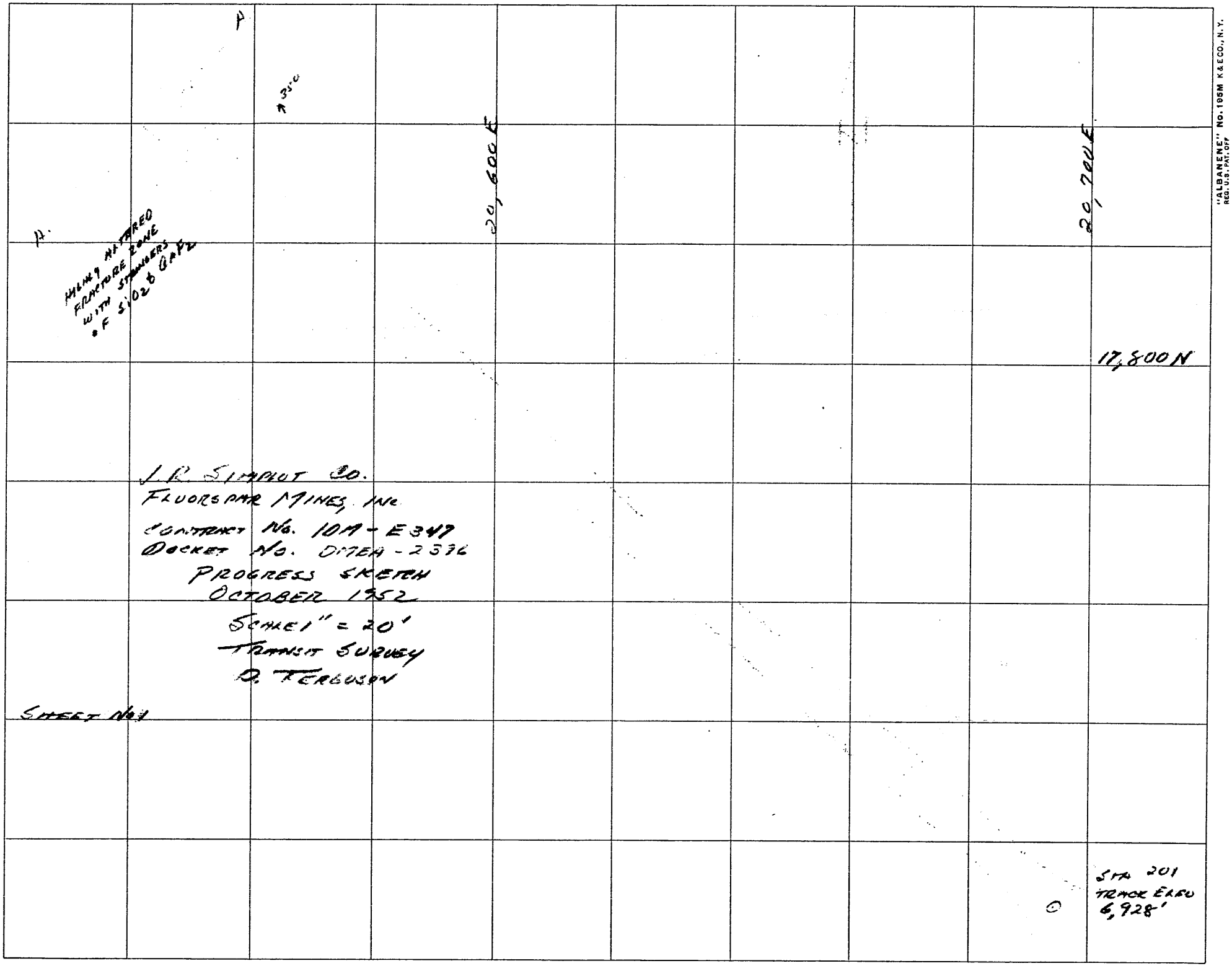
At 208 feet from the portal a black, fine grained dike was encountered, and traversed for a distance of 26 feet. Due to the irregularity of the dike, a reliable strike could not be obtained. The structure dips 60 minus 70 degrees to the South West.

It is anticipated that the advance for November will be appreciably less than that for October due to the increased tramming distance, the necessity for installing a blower and an underground drill water storage tank.

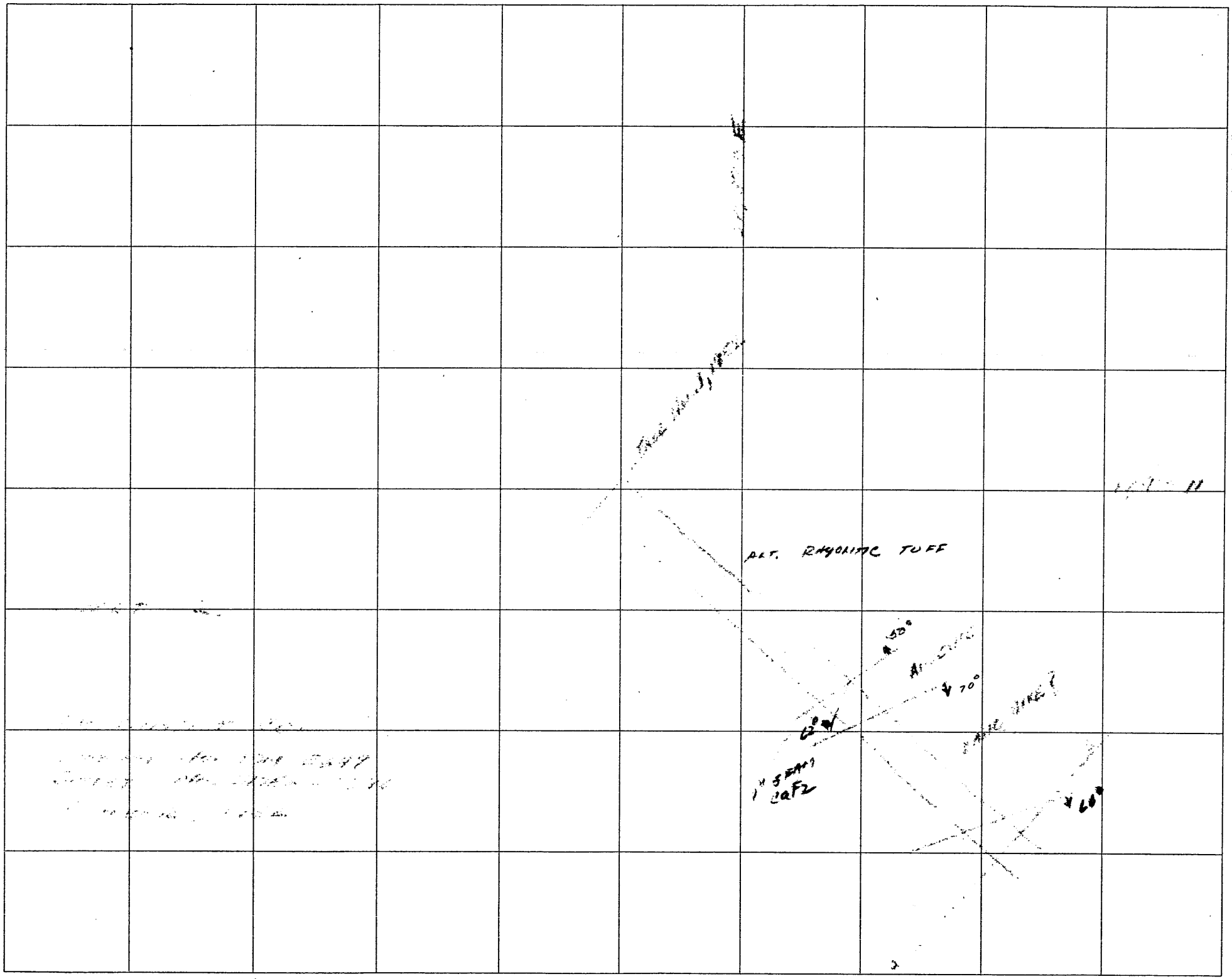
Respectfully submitted,

Keith Madill

Keith Madill, Mgr.
J. R. Simplot Co.
Fluorspar Mines



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



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

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

PUBLIC VOUCHER FOR PURCHASES AND SERVICES OTHER THAN PERSONAL

D. O. Vou. No. .....

Bu. Vou. No. DMA-492

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED

Voucher prepared at Spokane, Wash.
(Give place and date)

THE UNITED STATES, Dr., Payee's Account No. Idm-3347

To J. R. Simplot Co.
(Payee)

Continental Bank Bldg., Boise, Idaho
(Address) (City) (State)

PAID BY

(For use of Paying Office)

No. and Date of Order	Date of Delivery or Service	ARTICLES OR SERVICES (Enter description, item number of contract or Federal supply schedule, and other information deemed necessary) Discount Terms	QUANTITY	UNIT PRICE Cost	UNIT PRICE Per	AMOUNT Dollars	AMOUNT Cts.
	Sept. 1952	As per attached certified form MF-104 dated 10/13/52.				1,210.	50
PAYMENT: Complete ☐ Partial ☐ Final ☐		Use continuation sheet(s) if necessary					
Shipped from	to	Weight	Government B/L No.		Total	1,210.	50

(Payee must NOT use this space)

Differences .....

Account verified; correct for 1,210.50

(Signature or initials) .....

Contract No. Idm-3347 Date Req. No. Date Invoice Rec'd.

1,210.50

MEMORANDUM

ACCOUNTING CLASSIFICATION (For completion by Administrative Office)

Appropriation, limitation, or project symbol	Appropriation title	Limit'n. or Proj't. Amount	Appropriation Amount
14X4401	Revolving Fund, Defense Production Act, Interior.	1,210.50	1,210.50

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

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

16—22900a-2

METHOD OF OR ABSENCE OF ADVERTISING

METHOD OF ADVERTISING

1. Advertising in newspapers Yes ☐ No ☐.
2. (*a*) Advertising by circular letters sent to ..... dealers.

   (*b*) And by notices posted in public places Yes ☐ No ☐.

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

ABSENCE OF ADVERTISING

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

.....

.....

.....

.....

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

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

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

16—22000a-2

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

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
NOV 3 1952

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

Month of September, 1952 Docket No. DMEA 2396 Contract No. Idm-317
Operator's Name J. R. Simplot Co. Minerals Fluorspar
Address Continental Bank Bldg., Boise, Idaho
Contract Amount, $57,900 Government Participation: 50 % Amount, $28,950

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Contracts: Short Form						
Drilling						
Bulldozing	$1,350	$1,150	$2,500			
Crosscutting	1,071	—	1,071			
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	$2,421	$1,150	$3,571	2421.00	1150.00	3571.00

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

Date 10-13-52 *Payee J. R. Simplot Co.
Fluorspar Mines, Inc.
Per Keith Moore Title Mgr.

*When [illegible] signed 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:

$ 1210.50

Signature (Authorized Certifying Officer)

Date 10/27/52 Vou. No. (See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

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

Signature ..... Title ..... Date .....

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature ..... Title ..... Date .....

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

GPO 83-38476

Form MF-104A
(April 1952)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
NOV 3 1952

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of September 1952 Docket No. DMEA 2396 Contract No. Idm-E347
Operator's Name J. R. Simplot Co. Minerals Fluorspar
Address Continental Bank Bldg., Boise, 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		$1,071	34'	$1,071	34'	$1,071		
Raising								
Shafts								
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails	1	---	---	$ 1,000	1	1,000		
Portal site	1	1,350	90%	1,500	1	1,500		
TOTAL DISTRIBUTED COSTS		$2,421		$ 3,571				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 10-13-52 Operator J. R. Simplot Co.
Fluorspar Mines, Inc.
Per Keith Madill Title Manager
Keith Madill

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

REMARKS:

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

GPO 83-38475

Challis, Idaho
October 13, 1952

NARRATIVE REPORT FOR THE MONTH OF SEPTEMBER, 1952

Docket No. DMEA 2396
Contract No. Idm-347

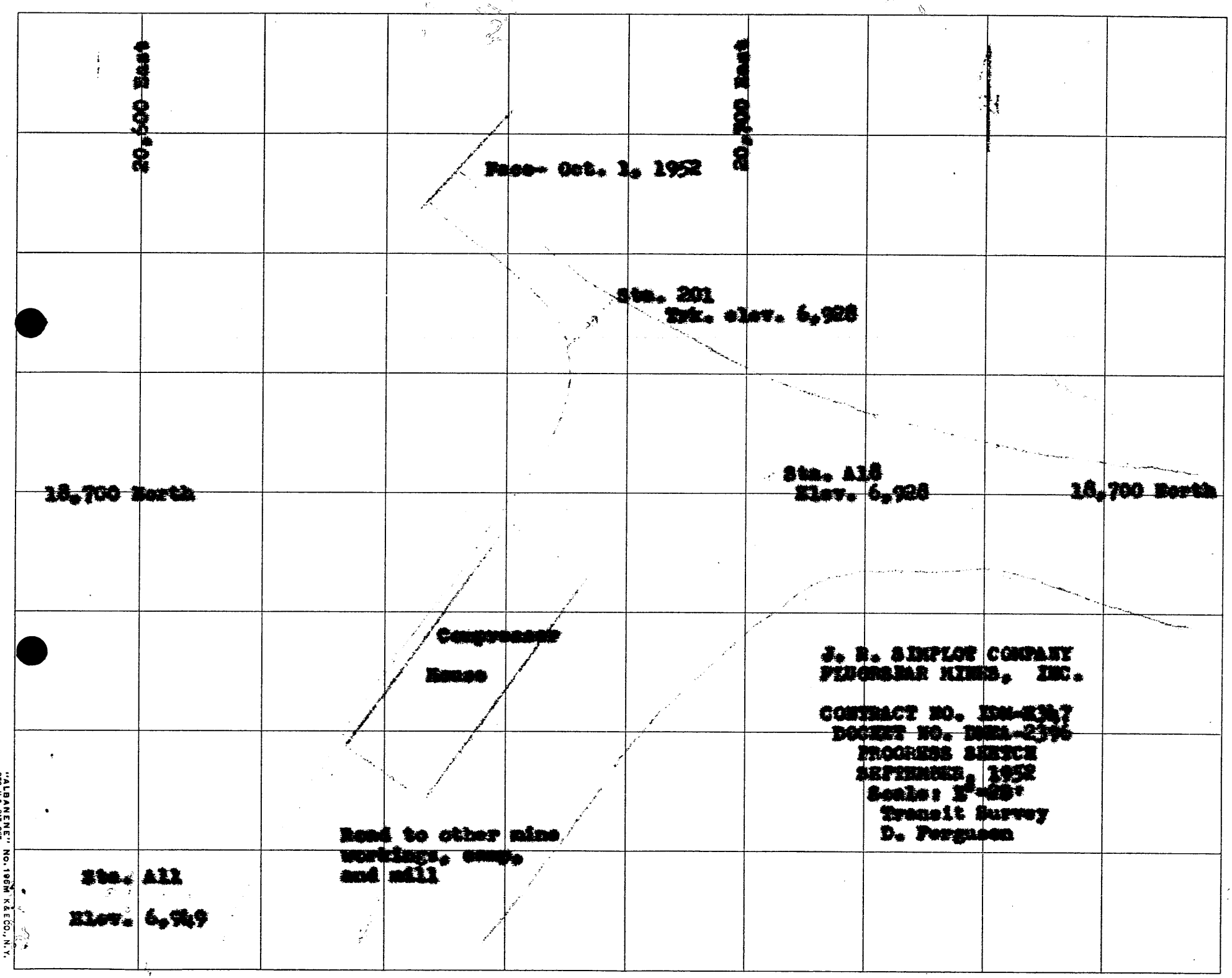
During the month of September the portal site was completed and work begun on the crosscut. Considerable more drilling and blasting was required to provide ample working room at the portal site than anticipated.

The crosscut was driven a distance of 34 feet on a bearing of N. 48 deg. 53 min. W. through altered rhyolitic tuff. No structures of any significance were encountered.

Respectfully submitted

K. Madill

K. Madill, Mgr.
J. R. Simplot Co.
Fluorspar Mines



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

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

Washington

PUBLIC VOUCHER FOR PURCHASES AND SERVICES OTHER THAN PERSONAL

D. O. Vou. No. .....

Bu. Vou. No. DHA-424

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

Voucher prepared at / Albany, Oregon 10/13/52
(Give place and date)

THE UNITED STATES, Dr., Payee's Account No. ~~Idm-E~~ 347

To J. R. Simplot Co.,
(Payee)

Fluorspar Mines, Continental Bank Bldg., Boise, Idaho
(Address) (City) (State)

PAID BY

(For use of Paying Office)

No. and Date of Order	Date of Delivery or Service	ARTICLES OR SERVICES (Enter description, item number of contract or Federal supply schedule, and other information deemed necessary)	QUANTITY	UNIT PRICE Cost	UNIT PRICE Per	AMOUNT Dollars	AMOUNT Cts.
	August 1952	Discount Terms net As per attached certified form MF-104 dated September 13, 1952				575	00
PAYMENT: Complete ☐ Partial ☐ Final ☐		Use continuation sheet(s) if necessary					

Shipped from to Weight Government B/L No. Total 575 00

(Payee must NOT use this space)

Differences .....

Account verified; correct for 575 00

(Signature or initials) .....

Contract No. Idm-E 347 Date Req. No. Date Invoice Rec'd.

575.00

MEMORANDUM

ACCOUNTING CLASSIFICATION (For completion by Administrative Office)

Appropriation, limitation, or project symbol	Appropriation title	Limit'n. or Proj't. Amount	Appropriation Amount
14X4401	Revolving Fund, Defense Production Act, Interior	575.00	575.00

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

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

OCT 2 1952

16—22900a-2

METHOD OF OR ABSENCE OF ADVERTISING

METHOD OF ADVERTISING

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

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

ABSENCE OF ADVERTISING

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

.....

.....

.....

.....

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

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

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

16—22000a-2

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

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

Washington

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

Month of August, 1952 Docket No. DMEA 2396 Contract No. [illegible]347

Operator's Name J. R. Simplot Co. Minerals Fluorspar

Address Boise, Idaho

Contract Amount, $ 57,900 Government Participation: 50 % Amount, $ 28,950

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) ~~Independent~~ Short Form Contracts:						
~~Drilling~~ Road				1000.00	—	1,000.00
~~Bulldozing~~ Portal Site	1,150.0	---	1,150.00	150.00	—	150.00
Crosscutting						
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	1,150.0		1,150	1150.00	—	1150.00

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

Date 9-13-52 *Payee J. R. Simplot Co.
Fluorspar Mines

Per Keith Moder Title Manager

*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:

$ 575.00

Signature WRD
(Authorized Certifying Officer)

Date 10-9-52 Vou. No.
(See other side)

OCT 2 1952

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

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

Signature ..... Title ..... Date .....

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature ..... Title ..... Date .....

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

U. S. GOVERNMENT PRINTING OFFICE 205675

Form MF-104A
(April 1952)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of August 1952 Docket No. DMEA 2396 Contract No. Idm-E317
Operator's Name J. R. Simplot Co. Minerals Fluorspar
Address Continental Bank Building, Boise, Ida

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT	
							Units	Unit Costs
Drifting								
Crosscutting								
Raising								
Shafts								
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails	1	$1,000.0	1	$1,000.00	1	1,000	1	$1,000.00
Portalsite	1	150.0	10%	150.00	10%	150	1	1,500.00
TOTAL DISTRIBUTED COSTS		1,150.0		1,150.00				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc								
TOTAL COSTS		1,150.0		1,150.00				

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 9-13-52 Operator J. R. Simplot Co.
Fluorspar Mines, Inc.
Per Keith Madill Title Manager
Keith Madill

REMARKS:

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

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

U. S. GOVERNMENT PRINTING OFFICE 205676

Wash

Challis, Idaho
September 13, 1952

NARRATIVE REPORT FOR MONTH OF AUGUST, 1952

During the month of August the access road unit was completed. As anticipated, approximately 75 per cent of the road was in rock and drilling and blasting was required. The road was constructed with an average adverse grade of 5 per cent from the main road to the portal site.

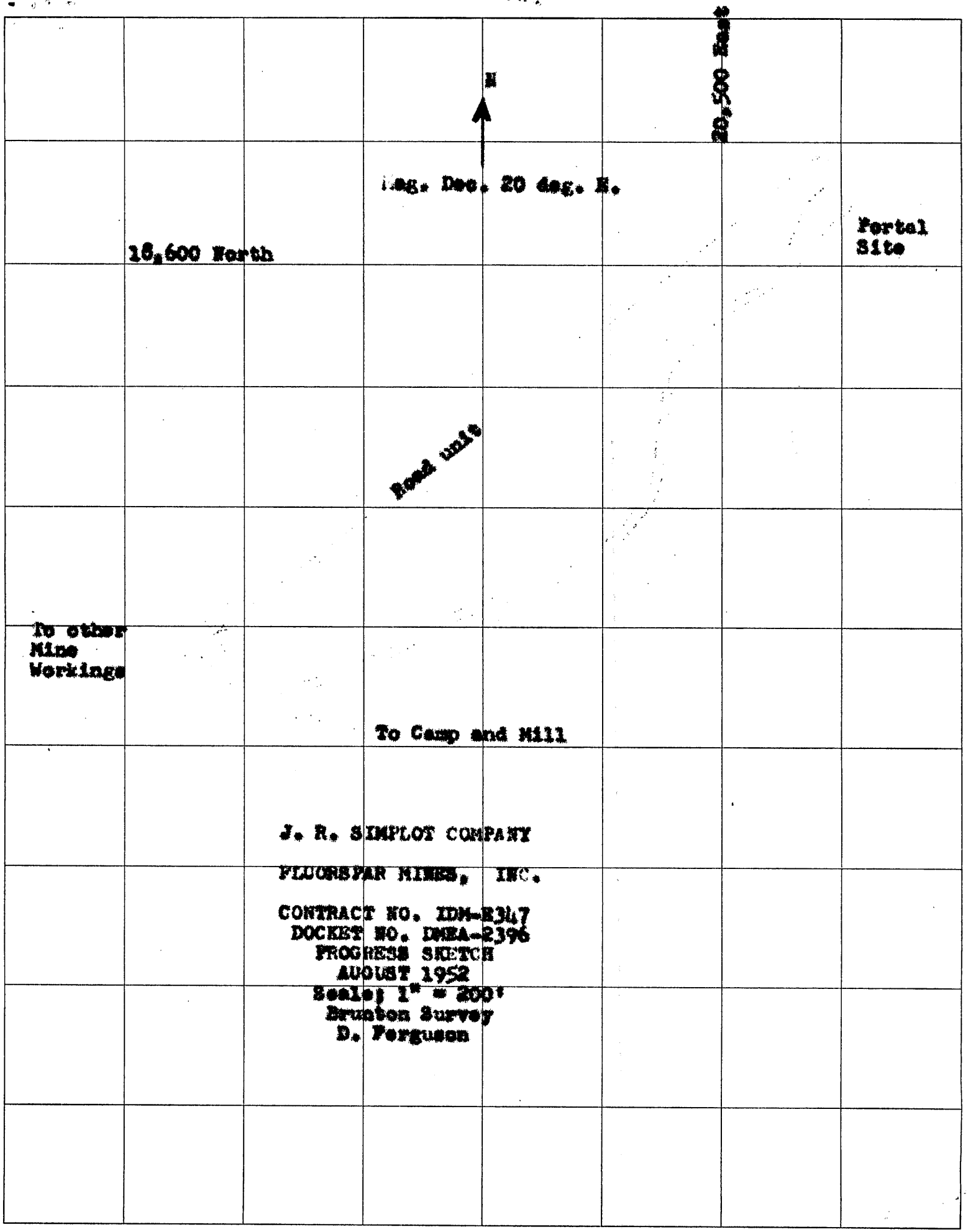
The portal site was approximately 10 per cent completed. The initial cut is in highly altered rhyolite tuff containing discontinuous stringers of fluorspar.

Progress was seriously hampered by an acute labor shortage during the greater part of the month. During the greater last week of the month the labor situation eased, at least temporarily, and it is anticipated that the project will be at least on schedule during the fall and winter months.

Respectfully submitted,

K. Madill

K. Madill, Mgr.
J. R. Simplot Co.
Fluorspar Mines



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

DMEA FORM 6 REFERENCE SLIP

REV. 12-56 DEFENSE MINERALS EXPLORATION ADMINISTRATION

TO:	INITIALS	DATE
1. FSJ	110	7/19
2.	600	11
3.	225	
4.		
5.		

FROM:

FOR: Check items for action desired

___ Action	___ Reply for signature of ___	___ Surname
___ Approval	___ Investigate	___ Signature
___ Comment	___ Recommendations	✓ File
___ Conference	___ Rewrite	
___ Instructions	✓ Your information	

REMARKS:

M8278

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

2396

So. 157 Howard Street
Spokane 4, Washington

July 10, 1957

MEMORANDUM

To: A. E. Weissenborn, Executive Officer, DMEA, Region I

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

Subject: My action as a witness July 8 and 9, 1957, in a civil court case re J. R. Simplot Company, plaintiff, vs. A. C. Chambers and Freda Chambers, defendants.

I was subpoenaed as a witness to testify in this case to be held in the District Court of the Third Judicial District at Boise, Ada County, Idaho on July 8, 1957 at 10:00 a. m.

Permission as a Government employee to appear as a witness for the plaintiff was granted with instructions by Arthur A. Baker, Acting Director, U. S. Geological Survey, per teletype dated June 25, 1957.

Court was held on July 8 and 9, 1957, and evidence submitted in the proceedings did not bear on the results of the DMEA Contract Idm-E347; therefore, I was not needed as a witness and did not testify.

J. R. Simplot Company paid transportation, expenses, and $25 per day salary. I was in annual leave status. — ?

Howard B. Nickelson
Geologist

cc: C. O. Mittendorf (2)
Arthur A. Baker
Thor H. Kiilsgaard

DMEA Form 7
(12-56)

2396

OFFICIAL FILE COPY

Date	Surname	Code
	Porter	
	Dwyer	
6/25	Mathews	
	Lemmon	
	Anderson	
	Baker	

6/26 C 220 225

JUN 26 1957

Lloyd E. Haight, Esq.
212 Continental Bank Building
Boise, Idaho

Dear Mr. Haight:

This responds to your letter dated June 18, 1957, requesting authorization for Mr. Howard B. Nickelson to testify in the case of J. R. Simplot against Fluorspar Mines, Inc., et al.

Attached is a copy of a teletype authorizing the testimony of Mr. Nickelson. Mr. Nickelson's testimony will be limited to the Defense Minerals Exploration Administration contract, the work done thereunder, and the fact that the Government did not certify a discovery or development.

Sincerely yours,

C. O. [illegible] (for)

Administrator

Enclosure

HCRubin/emd 6/24/57

Copy to: DMEA File
Director, Geological Survey
Adm. Reading File
A. E. Weissenborn, Region I (2)
R. P. Dwyer
H. C. Rubin
chron.

8623

Department of the Interior

Geological Survey

[redacted]

JUN 25 1957

T E L E T Y P E

MR. A. E. WEISSENBORN
EXECUTIVE OFFICER, DMEA FIELD TEAM
REGION I, NW DISTRICT
SO. 157 HOWARD STREET
SPOKANE 4, WASHINGTON

REFERENCE JUNE 19, 1957, TO ADMINISTRATOR, DMEA CONCERNING PERMISSION FOR HOWARD B. NICHELSON TO TESTIFY IN THE CASE OF J. R. SIMPLOT COMPANY VS. FLUORSPAR MINES, INC., AND ARTHUR E. AND FERDA M. CHAMBERS, THIRD JUDICIAL DISTRICT, ADA COUNTY, IDAHO, TESTIMONY AUTHORIZED WITHIN THE FRAMEWORK OF THE THIRD PARAGRAPH OF YOUR LETTER TO THE ADMINISTRATOR, DMEA.

Arthur A Baker
Acting Director
U. S. Geological Survey

HCRubin/emd 6/24/57

Copy to: Mr. Lloyd E. Haight
Attorney at Law
212 Continental Bank Bldg.
Boise, Idaho

Geological Survey Files
DMEA Files
Director, Geo. Survey
Adm., DMEA
R. P. Dwyer
H. C. Rubin
chron.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
So. 157 Howard Street
Spokane 4, Washington

OFFICIAL FILE COPY
DMEA
RECEIVED JUN 21 1957

DATE	INITIALS	CODE
6/21	C	220
6/26	C. O. Mittendorf	100
		225

Air Mail

June 19, 1957

Mr. C. O. Mittendorf, Administrator
Defense Minerals Exploration Administration
Department of the Interior
Washington 25, D. C.

Dear Mr. Mittendorf:

This will confirm our telephone conversation of June 17, 1957, relative to a request from Mr. George A. McHugh of the J. R. Simplot Company to have Howard B. Nickelson testify as a witness for the J. R. Simplot Company in a lawsuit now in progress between the J. R. Simplot Company and Mr. Arthur Chambers, the owner of the Meyers Cove fluorspar deposit. The lawsuit is concerned with the value of the Meyers Cove mill which was destroyed by fire. Operations ceased after the burning of the mill and the property reverted back to Chambers, the owner.

The lawsuit, as I have been told, is concerned with the value of the mill. Presumably, if the ore reserves are practically exhausted, the mill has little value other than for scrap. If there are extensive ore reserves, a mill would be a valuable asset to the mine.

After our phone conversation, I talked again to Mr. McHugh, and I gave him the same information concerning testimony that you gave to me. In effect, I said that any person wishing the testimony of an employee of the DMEA must submit a statement in writing to the Administrator, setting forth the interest of the litigant and the information with respect to which the testimony of the employee is desired, before permission to testify will be granted. In the case of a private litigant, a written statement must be in the form of an affidavit. The Secretary of the Interior will then determine whether it would be to the Government's interest to have the employee testify. Permission to testify will be limited to information mentioned in the written statement. I also told him that Nickelson, or any other person testifying, could not disclose any DMEA report or any other written information, and that he may decline to testify to anything but the facts within his own knowledge. I told Mr. McHugh that the way I understood this, Nickelson could testify that the J. R. Simplot Company had a DMEA contract with the Government, that

this contract was completed, that work done under this contract did not discover any significant quantities of ore, and therefore no certification of discovery or development was made. I also said that as I understood it, Nickelson would not be permitted to express any opinion as to anything but the DMEA work, would not be able to give any statement as to his view of the potential of the district, or whether any exploration other than what was done under the DMEA contract might have found ore.

Mr. McHugh and the Simplot attorney, who was also on the phone, said that they would prepare an affidavit and send it to you.

Sincerely yours,

A. E. Weissenborn

A. E. Weissenborn
Executive Officer, DMEA
Field Team, Region I, NW District

cc: Thor H. Kiilsgaard

So. 157 Howard Street
Spokane 4, Washington

June 19, 1957

OFFICIAL FILE COPY
DMEA
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~~C. O. 225~~
225

Air Mail

Mr. Thor H. Kiilsgaard
Staff Assistant for DMEA
Mineral Deposits Branch
U. S. Geological Survey
Washington 25, D. C.

Dear Thor:

I am enclosing a copy of a self-explanatory letter to Mitt concerning a request for Nick to testify in connection with the Meyers Cove fluorspar deposit. Also attached is a copy of a Memorandum to the Files discussing a phone conversation I had with Mitt on the subject, which you might find useful. For various reasons, I hope that we can avoid having Nick testify. Perhaps it will not be possible to do so; in any event, this will inform you of what has transpired.

Sincerely,

A. E. Weissenborn
Executive Officer, DMEA
Field Team, Region I, NW District

cc: C. O. Mittendorf

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

So. 157 Howard Street
Spokane 4, Washington

FILE COPY
DMEA
RECEIVED JUN 19 1957
DATE | DMEA | CODE

June 19, 1957

MEMORANDUM

To: DMEA Files

From: Executive Officer, DMEA, Field Team, Region I, NW District

Subject: Testimony of Government witnesses in civil litigation.

On June 17, 1957, I talked with C. O. Mittendorf, Administrator of the DMEA, regarding a request by J. R. Simplot Company, for Howard B. Nickelson to testify in a lawsuit between the Simplot Company and Arthur Chambers, the owner of the Meyers Cove Fluorspar deposit. I understand that the suit concerns the value of the fluorspar mill which was destroyed by fire. The value of the mill depends on whether there are any ore reserves in the district and Simplot wishes Nickelson to testify as to the results of the DMEA exploration.

Mittendorf said that regulations regarding testimony are set forth in Title 43 of the Federal Code of Regulations, Article A-2, Section 2.20, "Testimony of Employees." In brief, he quotes as follows from a letter which John Hofflund had written in connection with another case:

> "Any person wishing the testimony of an employee of the Department of the Interior in a civil case must submit a statement in writing, setting forth the interest of the litigant and the information with respect to which the testimony of the employee is desired before permission to testify will be granted. In the case of a private litigant, the written statement must be in the form of an affidavit. On receipt of this affidavit, the Secretary of Interior will determine whether it is to the Government's interest to permit the employee to testify. Permission to testify will be limited to information mentioned in the written statement."

Mittendorf further added that a Government witness must not disclose any DMEA report or other written information and further that he may decline to testify to anything but facts within his knowledge. Thus, in this case, a DMEA witness would be limited to testifying that the Government entered into a contract with the J. R. Simplot Company,

that they conducted exploration at Meyers Cove, that DMEA did not certify a discovery or development, and that nothing of significance was discovered by work done under the DMEA contract. He presumably would decline to testify as to the reserves of the district or to the general potential of the area or whether exploration in a different place might have discovered ore.

In the case of DMEA, an affidavit requesting permission to testify should be addressed to the Administrator of the DMEA.

A. E. Weissenborn

cc: Thor H. Kiilsgaard
C. O. Mittendorf

LLOYD E. HAIGHT
ATTORNEY AT LAW
212 CONTINENTAL BANK BUILDING
BOISE, IDAHO

OFFICIAL FILE COPY
DMEA
RECEIVED JUN 21 1957

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		100

June 18, 1957

Mr. C. L. Mittendorf
Administrator
Defense Minerals Exploration Administration
Interior Building
Washington, D.C.

Dear Mr. Mittendorf:

This letter concerns a telephone conversation which I had today with Mr. Weissenborn in your Spokane office, concerning the possibility of our obtaining permission from your office for Mr. Nicholson of the Spokane office to testify in a law suit which will be tried on July 8, 1957, at Boise, Idaho, In accordance with Mr. Weissenborn's instructions to me, I have prepared an affidavit, the original and one copy of which is attached, which sets forth the nature of the controversy and the purpose of Mr. Nicholson's testimony.

We would very much appreciate your giving favorable consideration to our request that your Mr. Nicholson be permitted to testify as to his actual knowledge of the ore body. We assure you that we have no intention to jeopardize in any way confidential governmental information concerning your administration.

It would be appreciated if we might hear from you at your earliest convenience as to whether or not our request may be granted.

Yours very truly,

L. E. HAIGHT

LEH/aj
Encl.

cc: Mr. A. E. Weissenborn

ORIGINAL FILE COPY
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RECEIVED
DATE
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A F F I D A V I T

STATE OF IDAHO)
) ss.
County of Ada)

L. E. HAIGHT, being first duly sworn on oath, deposes and says:

1. That he is the attorney for Fluorspar Mines, Inc., an Idaho corporation.

2. That Fluorspar Mines, Inc., is named as a defendant and cross-defendant in the case of J. R. Simplot Company vs. Fluorspar Mines, Inc., and Arthur E. Chambers and Freda M. Chambers, which case is now pending in the District Court of the Third Judicial District, Ada County, State of Idaho, and has been set for trial on the 8th day of July, 1957, at Boise, Idaho.

3. That the nature of this controversy is as follows: Plaintiffs in the case sold under a contract of sale to J. R. Simplot Company on the 31st day of October, 1949, a property known and referred to as the Meyers Cove fluorspar mine and mill located at Meyers Cove, Lemhi County, Idaho. Subsequently the J. R. Simplot Company sold and assigned all of its interest in that contract of sale to Fluorspar Mines, Inc., which company went into possession of the property and proceeded to operate the same. On the 19th day of April, 1953, the mill and most of its contents were destroyed by fire. As a result of this fire there became due and payable to the beneficiaries under certain insurance policies the sum of $100,000.00. Because of a contract of sale clause on all of the policies, the drafts which were paid to cover the loss were made payable to all of the litigants named above in this controversy. The question

now for determination is what was the value of the property at the time it was destroyed, and how much of the proceeds is each of the litigants entitled to.

4. One of the factors which bears directly upon the value of the property destroyed is the nature and extent of the ore body which was to be mined in support of the mill. The J. R. Simplot Company and Fluorspar Mines, Inc. propose to show that some time prior to the fire it had become apparent that the ore body was not adequate to support the projected operations in the mill, and in support of this finding they desire to present thetestimony of Mr. Nicholson, a representative of the Defense Minerals Exploration Administration, with offices in Spokane, Washington, because it is known that he had made an extensive geological examination of the property prior to the fire. It is merely desired to have Mr. Nicholson testify as to the findings of the DMEA as to the quality and quantity of the ore body.

5. For the purposes hereinabove set forth, affiant respectfully requests the U. S. Department of Interior to permit Mr. Nicholson to so testify.

Subscribed and sworn to before me this 18th day of June, 1957.

Alice Hubbard Johnson
Notary Public for Idaho
Residing at Boise, Idaho

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C. 600

Project Summary Report

By: James Hopkins October 13, 1954

1. Docket No. DMEA-2396 - Fluorspar
Contract No. Idm-E347
Meyers Cove Property (Chamac Mine)
Lemhi County, Idaho

Operator: J. R. Simplot Company
Continental Bank Building
Boise, Idaho

Operator's Property Rights: Purchase Agreement, dated October 31, 1949. Owner's Consent to Lien waived.

Contract dated June 17, 1952.

Work authorized:

Unit Costs	
1700 feet of drift, adit and raise or winze @ $31.50/foot	$53,550.00
Road construction	1,000.00
Open cut of adit and clearance for portal of adit	1,500.00
Assaying and sampling	200.00
Unforeseen mine timbering	1,650.00
Total estimated cost of project	$57,900.00
Government participation @ 50%	$28,950.00

Amendments: No. 1, dated August 6, 1952. Changes in "Cost of the project" (Appendix A) authorized as follows:

Road construction (actual cost $1,000.00) changed to "Allowable cost". Preparing portal site (actual cost $1,500.00) changed to "allowable cost".

Work completed:

Drifting 723 feet @ $31.50	$22,774.50
Crosscutting 697 feet @ $31.50	21,955.50
Raising 28 feet @ $31.50	882.00
Road construction	1,000.00
Clearing for portal site	1,500.00
Total cost of project	$48,112.00
Government participation @ 50%	$24,056.00

Work began August 1, 1952. Contract was terminated by mutual agreement September 2, 1953.

3. Audit: Report of Review dated November 4, 1953.

Total cost as billed by Operator		$48,112.00
Exceptions	None	
Total accepted cost		$48,112.00
Government participation @ 50%		$24,056.00

4. Certification of discovery: None issued.

5. Comments:

How conducted: The work was conducted in a highly efficient manner by well trained personnel

Operation: The operation was very good.

Engineering: The Operator applied good sound engineering practice to the project. Monthly progress reports were intelligently written and were quite adequate.

Geological premise: The geological premise that the fluorspar deposits formed well-defined lodes along the minor zones of fracturing in the tuffaceous rock was not proven to be true by the exploratory work. The geological justification for the work was the surface exposures of the Bear Trap vein and results obtained from eight diamond drill holes.

Geological criteria upon which work was based:

1. The deposits of fluorspar are grouped along a zone about one-half mile wide and two miles long. Some of the veins averaged 5 to 8 feet in width and were mined for more than 300 feet along the strike. Surface work indicated a vein that assayed more than 50% CAF_2.
2. Three of the holes drilled indicated fluorspar on the Bear Trap structure.
3. The other five holes showed either a vein containing low grade fluorspar or the Bear Trap structure.

Geological criteria developed during the project: The project did not establish the existence of recoverable reserves of fluorspar ore. A lense of low-grade ore (protore) that appears to bottom on the adit level was found at the intersection of the crosscut with the vein. Economic fluorspar occurs for the most part as lenses in shear zones. The work has shown that float on a shear zone does not necessarily mean that a favorable lense occurs beneath the outcrop.

The steepness of shear zone dip may be an important consideration in the occurrences of economic lenses. A flat dip - 30° to 37° - appears to be a favorable feature for economic deposition of ore.

Future possibilities: Not good. No further work is recommended.

Recommendations: The Nonmetallic Minerals Division concur with the Field Team's recommendation that no certification of discovery be issued.

The Geological Survey and the Bureau of Mines also concur.

☑ Audited

☐ Certified

WORK ANALYSIS SHEET - DMEA PROJECT

Analysis as of 12-3-54
Incl. Voucher for ~~April~~ May '53

☐ Actual Cost

☑ Agreed Unit Costs

Name J.R. Simplot Co

Docket No. 2396

State Idaho

Commodity Fluorspar

Idm-E No. 347

OPERATION	AUTHORIZED Units	AUTHORIZED Cost	COMPLETED Units	COMPLETED Cost	NET COST
Drifting & Crosscutting and Mine Timbering	1,700 ~~1300~~ (1)	53.500 ~~42,600.00~~	1448 ~~1420~~	45,612 7 ~~44,820.00~~	45.612 7 ~~44,820.00~~
Raising	~~400~~ (1)	~~12,600.00~~	~~28~~	~~882.00~~	~~882.00~~
Shafts					
Winzes					
Drilling (Specify)					
Surface Excavation		1500.00		1.500.00	1500.00
Underground Excavation					
Roads and Trails		1000.00		1000.00	1000.00
Operating Equipment Purchased					
Surface Rehabilitation & Repairs					
Underground Rehabilitation					
New Building, Improvements, etc.					
Other (Specify) Sampling & Assaying		200.00		0	0
Totals		57,900.00		48 112.00	48112 00

Prepared by [signature]

(1) Contract specifies 1700' of drifting, x cutting & or raising

71626

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

November 10, 1954

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

Re: Docket No. DMEA-2396 (fluorspar)
Chamac Mine (Meyers Cove Property)
Lemhi County, Idaho
Contract No. Idm-E347

Dear Mr. Selfridge:

This will acknowledge receipt of a memorandum from R. A. Van Alstine, Geological Survey, to L. G. Houk, Defense Minerals Exploration Administration, reviewing the Field Team report on this docket.

Van Alstine takes exception to the recommendations made by the Field Team, which are as follows:

> "The project was unsuccessful and it is recommended that no Certification of Discovery or Development be made for work done under the exploration project. Government participation in further exploration would not be warranted unless a national emergency makes supplies of fluorspar critically short."

Van Alstine agrees with the recommendation that no Certification of Discovery or Development be made but takes exception to the second recommendation, pointing out that as the Government is once again adding fluorspar to the list of minerals eligible for exploration assistance, exploration of the North vein, the South vein, or other veins in the Meyers Cove district might be justified. He further states that the various reserve estimates of inferred ore, presented on pages 12 and 13 of the report, suggest that more exploration assistance might be given in the district, if it were applied for.

On reviewing the recommendation we can see how a statement which was meant to apply to part of a particular property could be interpreted as applying to the whole district. This was not meant to be the case; in fact, the next paragraph in the recommendation strongly implies that we would not rule out the possibility of future exploration in the Meyers Cove area.

DEPARTMENT OF THE INTERIOR
Bureau of Mines Administration
RECEIVED
OCT 20 1953

The Field Team, in fact, is completely in agreement with Van Alstine that further exploration on the North, South, and/or other veins in the Meyers Cove district, or even on other parts of the Beartrap vein could be considered, if applied for. For the record, therefore, we wish to make clear that the recommendations in the final report should not be interpreted as categorically ruling against any further exploration in the Meyers Cove area.

By Field Team, Region II

A. E. Weissenborn

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

Wing G. Agnew

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

cc: USBM (2)
Nickelson

IN REPLY REFER TO:

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT - 1 1954

September 30, 1954

Memorandum

REVIEW OF FIELD TEAM REPORT ON APPLICATION DMEA-2396 (Fluorspar)

To: L. G. Houk, Defense Minerals Exploration Administration
From: R. E. Van Alstine, U. S. Geological Survey
Applicant: J. R. Simplot Co.
Name of property: Chamac mines, Bear Trap vein
Location of property: Meyers Cove area, Lemhi County, Idaho
Date of Field Team Report: September 1954
Authorship of Field Team Report: V. Z. Johnson, U.S.B.M., and H. B. Nickelson, U.S.G.S.
Field Team's recommendation:

1) No certification of discovery or development on Bear Trap vein.
2) No Government participation in further exploration unless a national emergency made supplies of fluorspar critically short.

Comments:

Agree with recommendation (1) as commercial ore was not found in sufficient quantity to warrant certification.

As the Government is once again aiding fluorspar exploration, exploration of the North vein, South vein, or other veins in the Meyers Cove district might be justifiable. The various reserve estimates of inferred ore, presented on pages 12 and 13 of the report, suggest that more exploration assistance might be given in the district, if it were applied for.

ACTION RECOMMENDED: Follow Field Team's recommendation of no certification.

R. E. Van Alstine

R. E. Van Alstine

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED

SEP 23 1954

September 14, 1954

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

Re: Docket No. DMEA-2396 (fluorspar)
J. R. Simplot Company
Chamac Mine
Lemhi County, Idaho
Contract No. Idm-E347

Dear Mr. Selfridge:

Enclosed are four copies of the Field Team final report on the above-cited contract, prepared by Verdo Z. Johnson, Bureau of Mines, and Howard B. Nickelson, Geological Survey.

The field examiners recommend that no Certification of Discovery or Development be issued for work done on this project and the Field Team concurs.

By Field Team, Region II

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

John S. Vhay, Acting Member
U. S. Geological Survey

Enclosure (in quad.)
cc: USBM (2)
Nickelson

Reviewed by
DMEA OPERATING COMMITTEE
9/27/54
(date)

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
SEP 23 1954

Final Report

DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

FIELD TEAM, REGION II

FINAL REPORT

Contract Idm-E347

by

Verdo Z. Johnson
Mining Engineer
U. S. Bureau of Mines

Howard B. Nickelson
Geologist
U. S. Geological Survey

J. R. SIMPLOT COMPANY
Continental Bank Building
Boise, Idaho

Docket No.:	DMEA-2396
Commodity:	Fluorspar
Contract date:	June 17, 1952
Termination date:	September 2, 1953

Reviewed by
DMEA OPERATING COMMITTEE
9/27/54
(date)

CHAMAC MINE
Gravel Range Mining District
Meyers Cove
Lemhi County, Idaho

Spokane, Washington

September 1954

FINAL REPORT

J. R. SIMPLOT COMPANY
Chamac Mine
Gravel Range Mining District
Meyers Cove
Lemhi County, Idaho

Contract Idm-E347

* * * *

INTRODUCTION

This report describes a joint project conducted by the J. R. Simplot Company and the Defense Minerals Exploration Administration for the exploration of fluorspar at the Chamac mine, Gravel Range Mining District, Meyers Cove, Lemhi County, Idaho.

Summary

The purpose of the project was to explore the Bear Trap vein structure for economic grade fluorspar by crosscutting to the vein and then drifting and raising on the vein.

The exploration project was based on the results obtained in the cores of eight diamond drill holes, drilled by Alcoa Company, and on the favorable surface exposures of the Bear Trap structure.

The work completed under the contract consisted of approximately 1,500 feet of access road, preparation of a portal site, 723 feet of drifting, 697 feet of crosscutting, and 28 feet of raising. The Bear Trap structure was cut by the crosscut and drifted on for 723 feet, but this work failed to discover fluorspar of sufficient quantity or grade to warrant mining or further exploration.

Recommendations

The project was unsuccessful, and it is recommended that no Certification of Discovery or Development be made for work done under

the exploration project. Government participation in further exploration would not be warranted unless a national emergency made supplies of fluorspar critically short.

Further exploration for fluorspar in the Meyers Cove area should be based on either known outcrops or favorable diamond drill hole-vein intersections because economic bodies of fluorspar occur in lenses which are limited in strike length and are probably limited in dip length.

LOCATION AND ACCESSIBILITY

The Chamac mine is situated at Meyers Cove, 54 miles from Challis, Idaho. Access to the mine is via U. S. Highway 93 to a point about 9 miles north of Challis, thence by good dirt and gravel road up Morgan Creek, over a summit and down Panther Creek to a junction about 25 miles from the highway. At the junction the road leaves Panther Creek, crosses another summit to the west, and continues beyond in a westerly direction for about 10 miles to Meyers Cove. Camas Creek, a tributary of the Middle Fork of the Salmon River, flows through Meyers Cove. The nearest railhead is at Mackay, Idaho, 106 miles distant.

The climate in the summer and early fall is dry and moderate; snowfall occurs during the winter months which requires occasional removal. Hill slopes are steep and covered with grass and a sparse growth of brush and conifers.

The altitude at the mill and camp site is approximately 5,300 feet, although the mine workings range in altitude from 6,400 to 7,200 feet.

PROPERTY

Claims. The property included in the contract consists of a group of six unpatented lode mining claims, which are part of a larger group of 71 claims known as the Chamac mine, Meyers Cove, Lemhi County, Idaho, and located in unsurveyed secs. 30 and 31, T. 18 N., R. 17 E., and sec. 25, T. 18 N., R. 16 E., B.M. The 71 claims were held by J. R. Simplot under a lease and option to purchase agreement with A. E. Chambers, owner of the claims. The six claims in the contract were the Crystal Nos. 1, 2, 5, 6, 7, and 12. These claims are recorded in the Record of Location Notices, Book II, pages 42, 43, 46, 48, and 53, County Recorder's Office, Salmon, Lemhi County, Idaho. All claims are in the Gravel Range Mining District.

Maps. Six maps are included in this report. Map No. 1 is an unpublished geologic map of the Meyers Cove Fluorspar Deposits by A. L. Anderson, Idaho State Bureau of Mines and Geology, made during the summer of 1953.

The contour elevations and distances between mine workings or veins as shown on Map No. 1 do not correspond to those shown on the map compiled by the Geological Survey and the Bureau of Mines during their investigation in this area. It is assumed that the Geological Survey and Bureau of Mines map, which was based on transit survey, is more correct than A. L. Anderson's map, because the latter was probably a tape and brunton or plane table survey. However, the geology on A. L. Anderson's map is much more detailed in respect to mapping the veins and the occurrence of float in the area. When A. L. Anderson publishes his report for the Idaho State Bureau of Mines and Geology, this map and his report should give valuable economic and geologic information about the Meyers Cove area. His map should be considered confidential until the Idaho State Bureau of Mines and Geology publishes his report.

Map No. 2 (Scale: 1" = 300') was submitted in the application by J. R. Simplot Company, showing roads, contours, veins, and diamond drill holes.

Map No. 3 (Scale: 1" = 100') was submitted by J. R. Simplot Company to illustrate the area adjacent to the Bear Trap structure. The dotted lines are part of the proposed exploration program which was denied. Vein and diamond drill hole intersections and the Bear Trap vein intersected in the DMEA work have been added to the map for this report.

Map No. 3A shows vertical sections through Alcoa diamond drill holes as illustrated by Map No. 3.

Map No. 4 (Scale: 1" = 20') made by the Field Team, shows the geology of the DMEA tunnel.

Map No. 5 (Scale: 1" = 40') shows the locations and the assay results of the samples taken by the operator and the Field Team.

Diamond drill logs by Alcoa Company. In the appendix will be found the diamond drill logs and sample results submitted by J. R. Simplot Company for the eight holes drilled by the Alcoa Company to explore the Bear Trap and South vein structures. Maps No. 2 and No. 3 show the locations of the holes, and Map No. 3 locates and gives the elevations and CaF_2 assays of the fluorspar veins intersected by the drill holes.

History

An outline of the history of the Chamac mine property is given below in chronological order:

1941. The undeveloped prospect was examined and acquired by A. E. Chambers.

1942. The property was examined by A. L. Anderson of the Idaho Bureau of Mines and Geology, and metallurgical tests of the fluorspar were made by L. S. Prater of the Idaho Bureau of Mines and Geology.

1943. Metallurgical tests were made by Salt Lake City Branch, Bureau of Mines, Metallurgical Division, and by V. H. Higginbotham, General Engineering Company, Salt Lake City, Utah. An access road from Meyers Cove to Big Lead area was constructed by the Bureau of Public Roads. Bulldozing and surface sampling began with the U. S. Bureau of Mines Project 2009, S. H. Lorain, Bureau of Mines, in charge.

D. Cox mapped the geology and the topography for the Strategic Minerals Investigation of the Geological Survey, and the property was examined by J. L. Gillson, War Production Board engineer.

1944. U. S. Bureau of Mines Project 2009 and the Geological Survey Strategic Minerals Investigation were continued. A 100-ton per day capacity flotation mill was constructed, and a mill test of 6-day duration was run by J. H. Higginbotham. A. E. Chambers drove a short tunnel into the "A" vein system. Uneconomic aspects of operations precluded further mining or milling.

1945. Miscellaneous work by A. E. Chambers further exposed the vein system.

1946. A. E. Chambers stripped a portion of the Big Lead vein.

1947. The Aluminum Company of America carried on a diamond drilling program, drilling eight holes on the Big Lead vein totaling 2,222 feet, and eight holes on the Bear Trap and South veins totaling 4,240 feet.

1948. The property was examined by R. E. Van Alstine for purposes of completing field work in preparation for the publication of a U. S. Geological Survey Strategic Minerals report. The property was given a preliminary examination by engineers of the J. R. Simplot Company staff.

1949-1950. After further examination by engineers of the J. R. Simplot Company, the property was acquired by lease and option by the J. R. Simplot Company.

1951. The J. R. Simplot Company conducted exploration, open pit mining, rehabilitation of the mill, and underground development of the Big Lead to insure an ore supply. Application was made for a DMEA contract.

1952. The DMEA contract was signed in June 1952, and a GSA acid fluorspar buying contract was approved.

1953. Production continued until fire destroyed the mill in April 1953. J. R. Simplot terminated contract Idm-E347 by mutual agreement with the Government and released their lease and option to A. E. Chambers. All production and exploration in the area have ceased.

Mine Workings and the Plant

J. R. Simplot Company mined fluorspar from six veins in the Meyers Cove area. The Big Lead vein produced between 30,000 and 40,000 tons of fluorspar from two adit levels. It was reported that a small reserve remains on the fringe areas of some stopes, but prospects for reserves at greater depth are not encouraging because the ore is pinching out in the lower adit. The Anderson and the South veins produced a small tonnage from their outcrops. Some production was obtained from the Powder House and the M & M veins, which were explored and developed by underground adits. Tonnage from the Beartrap vein was from the surface and a stope off a short drift. Virtually all other promising outcrops were explored by bulldozer trenches and pits.

The mill consisted essentially of a coarse crushing unit, a fine-grinding unit, a flotation unit, and a drying unit for the floated product. The capacity of the mill was rated between 80 and 100 tons per day, but the maximum reached by the company was 70 tons per day.

Comfortable camp facilities were located at the mill site on Camas Creek. The water supply of the camp and mill was obtained from Duck Creek.

Little timbering was required in the volcanics which formed the wall rock of the veins. Large, unsupported stopes, and other excavations remain open.

The shallow depth reached in the underground workings facilitates natural ventilation. All workings are above water table, and the small quantity of surface seepage is drained naturally.

GEOLOGY

The rocks in the Meyers Cove area consist of Casto volcanic rocks of Permian age, Challis volcanic rocks of Tertiary age, two small

masses of Hoodoo quartzite probably of Algonkian age, and small masses of intrusive rocks of Miocene age. (C. P. Ross, U. S. Geol. Survey Bull. 854) The district geologic description which follows has been taken from Alfred L. Anderson's report entitled "The Antimony and Fluorspar Deposits near Meyers Cove, Lemhi County, Idaho", Idaho Bureau of Mines and Geology, Pamphlet 62, 1943.

"The Casto volcanics include both flows and tuffaceous strata which locally seem to have an andesitic composition. * * * All the rocks are distinctly altered and for the most part have a dull mottled-green appearance. Some of the flows, however, are colored in dull purplish shades and a few in red, yellow, and blue. Much of the tuff has a greenish mottling and shows numerous fragments of broken dull-white or gray feldspar crystals embedded in a greenish matrix. Since the flows commonly also contain numerous broken feldspar phenocrysts, their rock also has a more or less clastic appearance; consequently, it is not always easy to distinguish between flows and tuffaceous beds * * * . * * * the rocks are composed of sodic plagioclase, quartz (in part secondary), chlorite, biotite, epidote, black iron oxide, apatite, and various fine micaceous decomposition products. Many of the flows originally had a glassy groundmass, now completely divitrified." (Anderson, pp. 6 & 7)

"The Challis volcanics also include flows and tuffs, which, however, lack the considerably altered appearance of the rocks that compose the Casto volcanics. These younger rocks are in general of silicic to intermediate composition and show much undivitrified glass. The lower part is built up of a succession of generally rather bright-colored flows with distinctly subordinate amounts of tuff. The middle part is dominantly tuffaceous but includes some flows of light-colored lava similar in appearance and composition to the associated tuff. The rocks at Meyers Cove appear to be those belonging to the lower and middle part of the section and include much cream-colored tuff with a few flows of intercalated light-colored rhyolite or quartz latite. The local succession appears to be more than 1,000 feet thick." (Anderson, p. 7)

"The intrusives mapped as Miocene include small bodies of pink granophyre and a single body of lamprophyre, all in the Casto volcanics in the northern part of the district." (Anderson, p. 7)

* * * * * * * * *

Structure

"Although the Casto volcanics have been subjected to earlier periods of diastrophism, the structural relations and particularly the faulting are so like those expressed in the Tertiary volcanics, that separate treatment seems unnecessary. Both groups of volcanic rocks have been folded and faulted to practically the same degree, apparently largely in response to mid-Tertiary deformation." (Anderson, p. 8)

Folding

"As pointed out by Ross (U. S. Geol. Survey Bull. 854), the major structural feature of the region is a broad dome or arch apparently related to intrusion of a large mass of Miocene granite exposed by erosion of the volcanic rocks immediately above. The longer axis of this major flexure strikes N. 40° E., passing some miles northwest of Meyers Cove. The Casto volcanics of the southeast flank of this major fold have been bent into smaller flexures striking N. 55° - 75° E., but dips rarely exceed 30°, except near faults. The Challis volcanics, which in turn, flank the Casto, have an average dip not much over 5° to and beyond Challis. In places, the broad arch is modified by subordinate flexures, in part transverse, and in places has partly collapsed with formation of numerous normal faults. One of the largest of the subordinate transverse flexures is at Meyers Cove, the volcanic strata locally having northwest strikes and dips of 45° or more with the steepest dips near faults. It is possible that the subordinate transverse flexure on the flank of the major arch and the presence of numerous normal faults, which were probably formed concommitantly with the folding, may have had much to do with localizing the mineral deposits near Meyers Cove." (Anderson, p. 8)

Faulting

Two groups of Tertiary normal faults are present in the area. The faults of the larger and better developed group trend about N. 37° E. and have high dips to the northwest and southeast. Those of the second group trend about N. 27° W., and one of the less numerous northwest faults at Meyers Cove dips steeply northeast.

According to Anderson (p. 9), one system of minor faults or fracture zones, evident by fluorspar float, trends about N. 30° E.;

others trend N. 70° E. and a few due north. All of them tend to dip to the west or northwest at dips between 25° to 45°. Rocks in these fracture zones are considerably broken, but there is no evidence of any considerable movement.

Fluorspar Deposits

The fluorspar deposits (according to Anderson, p. 9) form well-defined lodes along the minor zones of fracturing in the tuffaceous rock of both the Challis and Casto volcanic rocks. Their structural and textural characteristics indicate they were formed at comparatively shallow depth and at relatively low temperatures. The fluorspar occurs as filling of fractures and, in part, as replacement of the bordering rock. Antimony occurs as the mineral stibnite with barite in veins similar to the fluorspar veins, but they are not associated. The antimony veins have not been exploited and seem to be of minor importance economically.

> "The deposits are grouped along a zone about one-half mile wide and 2 miles long that extends northeast from the spur just northwest of the mouth of the West Fork of Camas Creek. This zone crosses Camas Creek about one-half mile below Meyers Cove and extends up Fluorspar Gulch and the ridge separating Fluorspar Gulch from Duck Creek." (Anderson, p. 10)

Some of the veins such as the Big Lead were mined for more than 300 feet along the strike and obtained widths of more than 20 feet; other veins mined were about 200 feet long and averaged between 5 to 8 feet in width.

THE PROJECT

Geological Justification

The surface exposures of the Bear Trap vein and the results obtained from eight diamond drill holes drilled by Alcoa Company were the main contributing factors in the decision to initiate this DMEA project. The stopes off the short drift of the Bear Trap vein, and surface mining there indicated a vein of fluorspar averaging 6 to 8 feet in width that assayed more than 50 percent CaF_2. Three of the eight holes drilled by Alcoa indicated fluorspar on the Bear Trap structure. The other five holes showed either a vein containing low grade fluorspar or the Bear Trap structure. (See Map No. 3.)

Program

Application was submitted May 31, 1951, on Forms MF-100 and MF-103 for the following work:

1.	Bear Trap adit (upper) 260 feet @ $20.00	$ 5,200.00
2.	Bear Trap adit (lower) 400 feet @ $20.00	8,000.00
3.	Diamond drilling on Powder House Lead, 8 holes, 1,385 feet @ $8.00/foot	11,080.00
4.	Diamond drilling to complete Alcoa program, 19 holes totaling 10,070 feet @ $7.00/foot	70,490.00
5.	North Lead and Bear Trap (lower) adit access road, 3 miles @ $1,500/mile	4,500.00
6.	Two miles access road to proposed diamond drilling locations @ $1,500/mile	3,000.00
	Total	$102,270.00

Delay in securing a contract decision was occasioned by revisions of the proposed exploration program by Washington and the Field Team, and by the inability of J. R. Simplot Company to secure consent to lien papers from A. E. Chambers, as a result of which it was necessary for Washington to approve the company's guarantee to pay royalty on any production resulting from the DMEA exploration. On June 2, 1952, a revised application was approved as a contract authorizing the following exploration program:

1.	Road construction	$ 1,000.00
2.	Portal site	1,500.00
3.	1,700 linear feet of drift, raise, or winze work at $31.50 per foot	53,550.00
4.	Assaying and sampling	200.00
5.	Contingencies (unforeseen mine timbering)	1,650.00
	Total Estimated Cost of Project	$57,900.00
	Government Participation @ 50 percent	$28,950.00

Description of the Work Completed

Work began on the contract late in July 1952. The tunnel site and 1,100 feet of road, of which 75 percent required drilling and blasting, were completed in early September 1953.

Amendment No. 1, dated August 6, 1952, was processed to eliminate the requirement for detailed accounting by placing the access road and portal site excavation on a job basis at an agreed unit cost.

A crosscut bearing N. 48° 53' W., at 6,928 feet elevation, intersected a fluorspar-bearing structure 355 feet from the portal. (See Map No. 4.) The structure intersected was a zone 25 feet wide consisting of a silicified volcanic rock containing a 3-foot vein of fluorspar assaying 58.8 percent CaF_2 with other minor uneconomic stringers of fluorspar within the zone. This structure did not have the characteristics of the Bear Trap vein as exposed on the surface. The projection of the surface outcrop to the ore intersection of the diamond drill holes was beyond the vein crosscut intersection, which can be accounted for by the steepening of the vein's dip.

The adit crosscut was continued 243 feet more in the hope of intersecting a vein which would correspond to the Bear Trap vein on the surface. Only faults, silicified zones, and stringers of fluorspar were found. A small vein of fluorspar was cut at 500 feet from the portal in the crosscut, and a drift 65 feet long was driven on this vein, but it pinched out at 45 feet. A long hole drilled on the east side of the drift at 50 feet cut a fluorspar body; a crosscut driven to this body proved it to be a pod of economic grade but of limited size.

A drift of 130 feet was driven to the northeast on the fluorspar vein which was exposed at 355 feet from the portal. The fluorspar pinched out at 45 feet, but the structure continued as a silicified vein containing stringers and blebs of fluorspar.

The operator was not convinced that the structure in the drift was the Bear Trap structure. The Field Team advised continuing the drift to about 250 feet, then crosscutting normal to the drift, but the operator drove 225 feet of crosscut N. 30° W. at a point 130 feet from the main crosscut in the hope of exposing the vein.

A raise 7 feet in length was driven at a point 25 feet from the main crosscut in the northeast drift. The vein in the raise ranged in width from 1½ to 3 feet with an estimated grade of 15 percent CaF_2. Another raise 28 feet long was driven from the drift at a point 16 feet from the main crosscut 500 feet from the portal. The vein pinched out in the face of this raise.

The work northeast of the main crosscut was abandoned because the results of Alcoa BT No. 1 diamond drill hole in this area showed no economic fluorspar and the results obtained in the drift and crosscut were poor.

A drift 175 feet long to the southwest on the 3-foot vein of fluorspar opposite the northeast drift exposed the fluorspar vein for 20 feet, where it pinched out. The drift was continued in the silicified structure which contained minor blebs and stringers of fluorspar.

A crosscut was driven due west from the drift at a point 175 feet from the main crosscut. Minor stringers of fluorspar faults and a silicified zone were encountered in this crosscut. The drift was then extended approximately 125 feet from the crosscut in barren and faulted ground.

The operator and the Field Team agreed to abandon further drifting and apply the remaining funds to a proposed diamond drilling program to determine the downward extension of the favorable Bear Trap outcrop and to test the small lense of fluorspar above the main crosscut. It was planned to send this diamond drilling amendment to Washington for approval.

In the meantime, the Simplot Company submitted a new application in April 1953 for extensive work on the Bear Trap vein, South vein, and the North vein. This application was presented as an amendment to contract Idm-E347, because fluorspar had been taken off the list of minerals for DMEA exploration effective March 15, 1953. Shortly afterward, the mill was totally destroyed by fire, and the operators requested a 60-day recess on the existing contract to ascertain if the new proposal for extensive exploration would meet with approval. The new proposal was denied, but an amendment was prepared by the Washington office to allow the remaining funds on contract Idm-E347 to be used to drive approximately 310 feet of drift and crosscut to and on the Bear Trap vein from a new proposed adit site on the north side of the hill. The operator declined to accept this amendment, because the exploration allowed would not be sufficient to prove enough ore to warrant rebuilding the mill; therefore, the company decided to abandon the Meyers Cove area for future exploration and production of fluorspar.

Contract Idm-E347 was terminated by mutual agreement on September 2, 1953.

The total units of work completed are distributed as follows:

	Feet
Main crosscut adit	598
West crosscut	92
Southeast crosscut	7
No. 2 drift NW	56
Southwest drift	307
Northeast drift	360
Two short raises	28
Total	1,448

Ore Reserves of the District

Although no minable ore was found in the work done under the DMEA contract, the consensus is that other veins in this district could produce tonnages of ore which could be milled to make a marketable product of acid and ceramic grade fluorspar. The DMEA Field Team members hesitate to quote any ore reserves, because they conducted no examination of other veins, but it is interesting to examine the ore reserves figured for the district during its short history.

Anderson reported the following information about the Meyers Cove area:

> "Reserves of high-grade fluorite, together with reserves of milling grade, probably total some tens of thousands of tons."

Doak C. Cox reported the following information regarding ore reserves in the Meyers Cove area:

"Lode	Indicated	Inferred	Total	Grade
"Red Spar Western		4,000	4,000	40
Red Spar Eastern		6,000	6,000	70
Purple Spar		5,000	5,000	50
Purple Spar No. 2		1,000	1,000	50
Fluorspar		6,000	6,000	40
Northeast Fluorspar		2,000	2,000	40
Purcell Group Total		24,000	24,000	50
District's Total	33,000	95,300	128,300	50

> "600,000 tons of 50% CaF_2 ore indicated by diamond drilling and surface exploration."

The following quotation is from J. R. Simplot's application dated January 10, 1952:

> "25,000 tons of 50% CaF_2 ore proven by development on Big Lead ore body to date."

Mr. A. E. Chambers has stated:

"Surface trenching and 5,000 feet of diamond drilling have indicated reserves of some 750,000 tons of 50% CaF_2 ore. Surface exposures that have not been drilled should substantially increase, perhaps double, the reserves now known.

"Rough estimates show 600,000 tons of plus 45% CaF_2 and three million tons of average 29% CaF_2. It is to be noted that the above tonnage figures include probable and possible tonnages."

The following quotations are taken from the J. R. Simplot Company's application dated April 20, 1953:

"During the past two years major production has been from the Big Lead vein. This ore body has been mined for a strike length slightly over 300 feet and a maximum dip length of about the same distance."

* * * * * * * * *

"To date some 25,000 tons of fluorspar ore have been extracted from the Big Lead ore body, located approximately 1,100 feet southwest of the proposed portal. The above tonnage (combined with a small production from the Anderson, Bear Trap, and North Vein Areas) has yielded 11,500 tons of acid and ceramic grade concentrate."

* * * * * * * * *

"Inasmuch as some 2,000 tons of 60+ percent CaF_2 ore have been mined (by open pit) from the North Vein, * * *."

Exploitation Possibilities

The project did not establish the existence of recoverable reserves of fluorspar ore in the DMEA exploration, as is indicated by the accompanying assay and geologic maps. At the intersection of the crosscut with the vein, along which the greater portion of the drifting was done, a lense of low-grade fluorspar, which may be classed as protore, appears to bottom. There are no estimates available to indicate how much of this lower grade material, assaying about 20 percent CaF_2, has been left in the mine workings, but this would constitute a mill feed reserve if and when a critical shortage of fluorite might occur. However, such a critical condition in fluorite supply would

most likely encourage high-grading the small pockets of high grade ore that remain scattered in isolated stopes. Underground excavations are drained naturally and will probably remain open in most instances.

Summary of Factual Data

An access road approximately 1,500 feet in length was completed at an agreed unit price of $1,000 for the job. The adit site was excavated at an agreed cost of $1,500 for the job.

The adit crosscut was advanced 598 feet, and there was 99 feet of other crosscutting, so that the Government participated in 697 feet of crosscut. Seven hundred and twenty-three feet of drifting was completed in the Bear Trap structure and an associated split, and 28 feet of raise was excavated. The contract authorized 1,700 feet of drift, adit, and raise at an agreed unit cost of $31.50 per foot, or $53,550.

The total contract amount was $57,900; $48,112 was spent on the project, of which amount the Government's participation was 50 percent or $24,056.

The agreed unit cost of $31.50 per foot for drift, crosscut, and raise is very near the actual direct costs, because the operator used good equipment and the workmen were employed on an incentive contract. The rock stands well without timber and is not difficult to break. An average 6-foot round in a 6- by 8-foot heading required about 20 holes.

The operator's records indicate 200 dry tons of 25 percent CaF_2 ore were mined from DMEA headings. Its value is difficult to determine, because a higher grade was usually required for mill heads, but the CaF_2 contained suggests about $10 per ton. The total value of ore extracted from the DMEA zone then is about $2,000, more or less, assuming the market value for metallurgical grade (70%) fluorspar to be $37 per ton.

No Certification of Discovery or Development resulted from the exploration work; therefore, no royalty is due the Government from the operator. This was a unit cost contract. There were no jointly purchased equipment or supply items and no new buildings or improvements in which the Government acquired equity.

Discussion of Conclusions

Rock nature and near surface location made ideal working conditions. The contract work was never hampered by poor service, inadequate equipment, or a shortage of supplies. The operator had

competent personnel in both the supervisory and labor categories, and these men are still employed wherever possible at other properties operated by the J. R. Simplot Company.

J. R. Simplot Company has an efficient engineering organization, devoting the greater part of their time to exploration. It appears the operator is quite competent and financially able to conduct other exploration projects. After the operator dropped the lease on the Chamac mine at Meyers Cove, mill and camp equipment salvaged from the fire were taken to Challis.

The relationship between the Field Team and the operator was always cordial, and no unusual difficulties were encountered in performing the contract work.

Outcrops of the veins at Meyers Cove are indicated by fluorspar float. Bulldozing is required to expose these veins in order to determine their width, extent, and grade. Exploration by diamond drilling should be considered to ascertain the downward extent of any favorable outcrop.

Economic fluorspar occurs for the most part as lenses in shear zones; these can be followed in some cases for about 2,000 feet, as the fluorspar occurs throughout the shear zone, though not always in economic grade. The DMEA work has shown that the float on a shear zone does not necessarily mean that a favorable lense occurs beneath the outcrop, thus exploration by bulldozing and diamond drilling should be considered before deeper underground work is started.

The steepening of the shear zone dip may be an important consideration in the occurrences of economic lenses, as evidenced in the Bear Trap structure. This structure at the favorable drill hole intersections appears to have a dip between 30 and 35 degrees, and the fluorspar on the outcrop has a dip of about 37 degrees, whereas the structure found in the DMEA drifts, which has a 45- to 50-degree dip, is barren.

J. R. Simplot Company submitted a new DMEA application to explore the North vein, Bear Trap vein, and the South vein in the vicinity of the diamond drill hole-vein intersections drilled by Alcoa Company. This program for further exploration was revised and approved by the Field Team, as an amendment to contract Idm-E347, but it was denied by the Washington office.

Should the need for fluorspar become acute and the Government aid fluorspar exploration, the above-mentioned exploration program would probably discover minable quantities of fluorspar. Limited reserves are left in the veins which were being mined by the J. R. Simplot Company when they were forced to discontinue operations due to a fire which destroyed their mill.

Other veins in the area probably warrant exploration, but the Field Team is not acquainted with their potentialities and hesitates to include them.

The feasibility of future exploration should be confirmed by favorable outcrops or diamond drill cores before expensive underground work is undertaken.

In addition to these exploration costs, other factors which must be considered in exploiting the area are the inaccessibility of the region and the need for the construction of a mill.

The success of any operation would be dependent upon favorable marketing conditions.

The project was unsuccessful, and no Certification of Discovery or Development is recommended. Government participation in further exploration would not be warranted unless a national emergency made supplies of fluorspar critically short.

Enclosures
Distribution:
DMEA(4)
USBM(5)
USGS(SRO)
Nickelson
Docket

Maps 8
Final Field Team
Reports.

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

March 19, 1954

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

Re: Docket No. DMEA-2396 (fluorspar)
J. R. Simplot Co.
Chamac Mine
Lemhi County, Idaho
Contract No. Idm-E347

Dear Mr. Selfridge:

Enclosed are the original and two copies of the operator's final report on the subject project. One copy of the report has been retained for the files of the Finance Office and one for the files of the Executive Officer.

The report notes that all maps and data pertaining to the project are on file at the Spokane office. We assume from this statement that he is referring to routine maps submitted during the life of the contract, and also to coverage of project work and attached maps, as attached to the operator's application for an additional DMEA contract submitted in April 1953. This statement is not quite correct as those maps we received were not intended to serve as final report maps. Instead, we had hoped to compile data from those maps with maps we had so as to get a more complete picture of the Chamac property. We found, however, that maps received from the operator did not check with our maps as to scale and locations of various workings. As we could not resolve the differences in the office or in conference with the operator we decided to wait until spring, hoping that by that time Dr. Anderson's map would be published. In the event that map does not settle our differences we propose to run a check survey on the Chamac property during one of our visits to that area this coming summer.

It is this discrepancy of maps that has prevented our submitting the Field Team's final report. It is also for this reason that we are not requesting additional maps from the operator to accompany his enclosed final report. We believe that one final set of correct maps will be of more value than a number of maps which cannot be correlated with each other.

Sincerely yours,

Thor H. Kiilsgaard

Thor H. Kiilsgaard
For: A. E. Weissenborn, Exec. Officer
DMEA Field Team, Region II

Enclosure
cc: USBM (2)
Nickelson

Docket No. DMEA 2396
Contract No. IDM - 347

F I N A L R E P O R T

During the period from August, 1952 through April, 1953, an exploration project was jointly executed by DMEA and the J. R. Simplot Co. The site of the project was the Chamac Mines fluorspar property situated in the Gravel Range Mining District of Lemhi County, Idaho. The property was then held under sales contract between J. R. Simplot Co. and A. E. Chambers of Wilmington, Delaware.

The purpose of the program was to explore the Bear Trap vein between the outcrop and the areas previously core drilled (see maps). Toward this objective, the following work was completed: 697 feet of crosscut, 723 feet of drift and 28 feet of raise. The project, including road and portal preparation, was done at a cost of $48,112.00. This sum was $9,788.00 less than the authorized amount of the contract.

Initially, it was anticipated that the Bear Trap vein would be crosscut at approximately 450 feet from the portal. Actually, the Bear Trap structure, where explored, is a wide shear zone (at least 140 feet) with uneconomic mineralization throughout. The greatest concentration of fluorite was encountered on the footwall of the shear zone. As a consequence, drifts were driven both easterly and westerly from the adit to explore the footwall side of the zone. Crosscuts were driven from both drifts to explore beneath the outcrop from the east drift and to explore above ore previously drilled from the west drift. As none of these headings encountered continuous commercial ore, a drift was driven easterly along mineralization on the hanging wall of the structure. A short raise was also driven from this drift. Although the total amount of fluorite encountered was considerable, no minable concentrations were found. During the early part of April it was concluded that no ore could be expected within the scope of the project. Therefore, it was mutually decided that a portion of the unexpended funds should be diverted for diamond drilling prior to completion of the program. Three days prior to the amendment of the contract the mill (located on the property) was completely destroyed by fire. This loss radically altered the plans of the company. It was then decided to either embark upon a new and larger program or to abandon all exploration. A new application was tendered, but fluorspar was dropped from the critical minerals list prior to approval of the application, and the contract was terminated. Late in the summer of 1953, the contract between A. E. Chambers and the J. R. Simplot Co. was also terminated.

In addition to work completed under this contract, an

Idaho Bureau of Mines and Geology field team, under the direction of Dr. A. L. Anderson, completed several months' field study of the area late in the summer of 1953. Results of this study should be published this spring. All maps and data pertaining to the project, as well as the new application (March 1953), are on file in your Spokane, Region II, office. The project was audited and accepted November 4, 1953.

In the writer's opinion, the results of the project were entirely negative. Apparently, the deposits are even more highly lenticular than anticipated. Any future exploration in the area should be directed toward determining whether there are zones in which the lenses of ore are of sufficient size and closely enough spaced to be economically minable. It now appears that this objective can best be attained by underground exploration of the precise areas wherein commercial ore was indicated by earlier core drilling.

This can best be accomplished by means of a crosscut to be driven from the "North Pit" area. Drifting and raising on the Bear Trap, North and South veins from the adit to the drill hole locations should definitely prove the worth of these structures. Future exploration should be greatly benefitted by use of the results of Dr. Anderson's study of the area.

Respectfully submitted,

Keith Madill

Keith Madill, Manager

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

March 19, 1954

Mr. R. J. Hindman, Certifying Officer
DMEA Field Team, Region II
1201 North Division
Spokane, Washington

Re: Docket No. DMEA-2396 (fluorspar)
J. R. Simplot Co.
Chamac Mine
Lemhi County, Idaho
Contract No. Idm-2347

Dear Mr. Hindman:

This is to advise you that work on the subject contract was terminated by agreement on September 2, 1953, before completion of the work. Since then, the DMEA auditor has submitted a report of review of the operator's accounts, and has recommended that total payment to the operator in the amount of $24,056.00 is valid and proper.

The operator has submitted a final report, which is without maps, but which is hereby accepted by the Executive Officer.

The Government did not participate in the purchase of any equipment for project work, and as the work was done on the basis of agreed unit costs no equity in supplies and equipment was obtained.

Inasmuch as all contract obligations have been met, it is recommended that the subject account be closed.

Sincerely yours,

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

cc: USGS (2)
DMEA (2)
Nicholson
Jay L. Chambers, Wash., D. C.

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

DMEA 2396

December 17, 1953

J. R. Simplot Company
Continental Bank Building
Boise, Idaho

Re: Exploration Project Contract [illegible]

Gentlemen:

Enclosed herewith for your files is a copy of a report of review prepared by Robert H. Hull, Auditor, DMEA Field Team, Region II, covering the months of August 1952 through April 1953.

Sincerely yours,

A. B. Reissenborn
Executive Officer, DMEA
Field Team, Region II

Enclosure

cc: USBM (2)
Hull

FILE COPY
SURNAME:

Lawrence G. Houk

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

600

OCT -2 1953

Mr. Robert I. Troxell
J. R. Simplot Company
Continental Bank Building
Boise, Idaho

Re: Docket No. DMEA-2396 - Fluorspar
Chamac Mine (Myers Cove Property)
Lemhi County, Idaho
Contract No. Idm-E347

Dear Mr. Troxell:

Reference is made to your letter of September 15, 1953, addressed to Mr. A. E. Weissenborn, Executive Officer, DMEA Field Team, Region II, and referred to this office for reply.

It will not be possible to transfer the unexpended funds that remain in Contract No. Idm-E347, Myers Cove Property, Lemhi County, Idaho, to Contract No. Idm-E543, Chalspar Mine, Custer County, Idaho.

Sincerely yours,

SIGNED

Lawrence G. Houk, Chief
Nonmetallic Minerals Division

LGHouk:gad 10/1/53

Copy to: Admr. R. File
Docket File
Field Team, Region II
Mr. H. W. Davis, 3519
Mr. Van Alstine, G-232 GSA Bldg.
Mr. Houk

R.C.B.
10-2-53

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
SEP 28 1953

September 24, 1953

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

Re: Docket No. DMEA-2396 (Fluorspar)
J. R. Simplot Company
Meyers Cove property
Lemhi County, Idaho
Contract Idm-E347

Dear Mr. Selfridge:

We are in receipt of a letter from Mr. Robert I. Troxell, acting for the Operator, in which he requests that unexpended funds from the referenced contract be transferred to the Operator's Chalspar contract (Idm-E543).

We have informed Mr. Troxell that we doubt if such a transfer can be executed, inasmuch as each contract is treated separately even though they are under the direction of the same Operator. We have also informed Mr. Troxell, however, that we would forward his request to you for your consideration.

Your advice on this matter will be appreciated.

Sincerely yours,

Thor H. Kiilsgaard
Acting Executive Officer
DMEA Field Team, Region II

Enclosure
cc: USBM(2)
Nickelson

J. R. SIMPLOT COMPANY

GENERAL OFFICES

CONTINENTAL BANK BUILDING

BOISE, IDAHO

September 15, 1953

DMEA

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

Re: Docket No. DMEA-2396 (Fluorspar)
J. R. Simplot Company -
Contract IDM-E347

Dear Mr. Weissenborn:

As requested in your letter of September 9, 1953, we have executed, and are returning to you herewith six copies of the Termination of Exploration Project Contract in the above entitled matter.

By letter we are requesting Mr. Madill to submit the reports as suggested in your letter of September 9.

In a telephone conversation yesterday with Keith Madill, he mentioned that the DMEA funds for the Chalspar project near Challis had now been expended within the conclusive results. He advised that additional exploration work would be necessary to determine the extent of the Fluorspar deposit found through one of the drill holes. Mr. Madill expressed the possibility that the funds remaining unexpended under the above entitled DMEA Contract, might possibly be transferred or the portion thereof required, be transferred to complete the exploration program at Chalspar. There is possibly little likelyhood of accomplishing that transfer; but we are mentioning it in this letter so that if there is a possibility of so doing, you could give the matter some thought.

Thank you very much for your cooperation in our exploration programs.

Very truly yours,

J. R. SIMPLOT COMPANY

Robert I. Troxell
Executive Vice President

RIT:ps
Encl:

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

September 24, 1953

Mr. Robert I. Troxell
Executive Vice President
J. R. Simplot Company
Continental Bank Building
Boise, Idaho

Re: Docket No. DMEA-2396 (Fluorspar)
Meyers Cove property
Lemhi County, Idaho
Contract Idm-E347

Dear Mr. Troxell:

This will acknowledge receipt of six copies of the termination agreement concerning the referenced project contract.

We note that Mr. Madill would be interested in having unexpended funds on the subject contract transferred to the Chalspar project. We seriously doubt if such a transfer can be executed; however, we are presenting your request to Washington for their consideration.

Past experience has shown us that it is difficult, if not impossible, to transfer funds from one contract to another, inasmuch as each contract is treated separately even though under the direction of the same Operator.

Very truly yours,

Thor H. Kiilsgaard
Acting Executive Officer
DMEA Field Team, Region II

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

RED
DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
SEP 21 1953

September 18, 1953

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

Re: Docket No. DMEA-2396 (Fluorspar)
J. R. Simplot Company
Chamac Mine
Lemhi County, Idaho
Contract Idm-E347

Dear Mr. Selfridge:

Enclosed are the Government, Docket and Division copies of a termination agreement permitting the termination of the subject contract on the Chamac Mine by mutual consent.

Distribution of the agreement is being made in the usual manner.

Sincerely yours,

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

Enclosures
cc: USBM(2)
Nickelson

RECEIVED
SEP 25
GENERAL COUNSEL
DEFENSE MINERALS
ADMINISTRATION

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

September 9, 1953

Mr. Robert I. Troxell
Executive Vice-President
J. R. Simplot Company
Continental Bank Building
Boise, Idaho

Re: Docket No. DMEA-2396 (fluorspar)
J. R. Simplot Company
Contract Idm-E347

Dear Mr. Troxell:

Enclosed are seven copies of an instrument to terminate the subject contract by mutual agreement before completion of the work. If the terms and conditions of this agreement meet with your approval, please sign all copies, retain that copy marked for the operator, and return the others to this office.

We suggest that you ask Mr. Madill to submit his final M.F.-104's to the Certifying Officer for final settlement. These should include all invoices of work for which settlement has not been made and all project work completed since the last monthly report was submitted.

We wish to direct your attention particularly to Article 7(b) of the contract, which requires the operator to submit an adequate geological and engineering report, in quintuplicate, covering the project. This report will be necessary before we can close the contract account.

Yours truly,

Thor H. Kiilsgaard
For: A. E. Weissenborn
Executive Officer, DMEA
Field Team, Region II

Enclosure

Distribution:
DMEA (2)
USBM (2)
Certifying Officer
Nickelson

FILE COPY
SURNAME:

Hauk
Ellis
Chief
Counsel
Selfridge

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

DMEA

2971 4637
14:3923.970 working Func, Interior, Defense Minerals Exploration Administration
September 2, 1953
2:30 P. M.

A. E. Reisenbern, Executive Officer, DMEA Field Team, Region II
South 157 Howard Street, Spokane 4, Washington
Docket No. DMEA-2396 - Fluorspar, J. W. Simplot Company, Lemhi County, Idaho.

You are authorized to terminate Contract DMA-6147 by mutual agreement.

Ernest Wm. Ellis

657

Ernest W. Ellis, Acting Chairman
Operating Committee, DMEA

LGHouk:gad 9/1/53
Copy to: Admr. R. File
Docket File
Operating Committee
Mr. Davis, 3519
Mr. Larrabee, G-232 GSA Bldg.
Mr. Houk
Confirmation

R.C.G.
9-2-53

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

Case 8.31

August 21, 1953

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

Re: Docket No. DMEA-2396 (Fluorspar)
J. R. Simplot Company
Lemhi County, Idaho
Contract Idm-E347

Dear Mr. Selfridge:

This will acknowledge receipt of your letter of August 10 enclosing a proposed amendment No. 2 to the subject contract. Also acknowledged are copies of the Administrator's undated letter to the J. R. Simplot Company denying the proposed extension of the contract, as well as the comments by Arundale and Van Alstine on the proposal.

We have communicated with Mr. Troxell, vice-president of the company, and he informs us that the company would not be interested in the proposed amendment which would permit approximately 310 feet of drifting and crosscutting. This footage would barely bring the crosscut into the target area and would allow for no exploration of the Beartrap vein which it will crosscut, in fact, if it steepens in dip the crosscut might not even reach the vein. Mr. Troxell's attitude is that in order to operate at Meyers Cove, the company must establish substantial ore reserves and that the small amount of work permitted under the proposed Amendment No. 2 is highly inadequate to accomplish this purpose.

In a way, it is perhaps fortunate that the Operator has taken this attitude as the Field Team is likewise of the opinion that the work permitted under Amendment No. 2 would be wasted simply because it would be inadequate to test the Beartrap structure; it would permit a maximum of 60 feet of drifting on this structure and as pointed out previously, if the Beartrap vein should steepen slightly it might not even reach the vein. Unless the vein were ore at the place where it was intersected the work would merely dam the property without having given it an adequate test. Furthermore, in our opinion, the Simplot Company is quite right that the exploration work must be sufficient at least to demonstrate the possibility of developing sufficient ore reserves to warrant the reconstruction of a plant. Anything less would be wholly inadequate in view of the remote location of the property.

The Field Team does not know why commodity people have taken such a dim view of the Meyers Cove area as, in our opinion, the possibilities for discovery in the area have been by no means exhausted and the production record had been building up to a fairly impressive figure when the mill unfortunately was destroyed by fire. Possibly judgment has been based on appraisal of the area from various reports and that the Field Team has failed to present adequate later information to offset the opinions formed on the basis of these reports. It has, of course, been impossible with our limited staff to get the data together for a coordinated over-all picture of the Meyers Cove area. We have, however, just recently been able to obtain on a confidential basis an unpublished map by A. L. Anderson which we believe for the first time gives something approaching an adequate view of the situation. This map, we may add, represents two field seasons' work on the part of A. L. Anderson. Four copies of the map are enclosed for your information. They should be regarded as confidential until they have been published by the Idaho Bureau of Mines and Geology which will be done in the near future in a pamphlet put out by that organization. We have added on this map the position of the DMEA workings but we have not shown the position of the proposed work which was denied by DMEA.

Regarding Anderson's map, we wish to point out that 25,000 tons of plus or minus 50 percent CaF_2 have been produced from the Big Lead vein. This ore body is, as far as is known, now essentially exhausted, although there is some possibility for extension in depth which has not been completely tested.

Thirty-five hundred tons of higher grade ore has come from the North vein open pit. The North vein makes a rather abrupt change from a north-northwest strike to a northeast strike as shown on the map. Along the northeast part of the strike, the vein is essentially dip slope, and, although some ore might be mined from a continuation of the shallow open pit, possibilities for extension in depth are nil. Following a north-northwest striking part of the vein, however, possibilities of finding ore are excellent; in fact, the ore was mined down dip in the open pit until the overhang became too great for a safe operation. A good width and grade of fluorspar are visible in all sides of the pit. It is possible that near the northwest end of the open cut the vein again swings to a northeast strike, which might account for the ore found in drill hole No. 8 shown on the map accompanying the application. This possibility would have been tested in the DMEA exploration.

The North Beartrap vein has produced approximately 1,300 tons of good grade fluorspar from rather shallow workings near the top of the hill. It is unfortunate that this was not more adequately tested in the DMEA program.

The South vein has not been tested to any degree but where the outcrop crosses the road it is well mineralized. The vein can be traced by float and shallow pits for a distance of around 800 feet and has been cut by a number of drill holes as was shown in the application. This would have been tested by the proposed extension to the DMEA program.

With reference to Mr. Van Alstine's memorandum of May 13 to Mr. Houk, the Field Team is somewhat puzzled by his comment in which he states that "The drifting and raising proposed in the North vein seem to be development work rather than exploration," for in this instance we seem to be on the "horns" of a dilemma. If the showings are not extremely favorable the application is denied on the grounds that we were not able to find anything, yet if the showings are good enough as to excite some interest then the application is apt to be denied because the work proposed is development rather than exploration. It is difficult for us to understand how any of the work that has been planned could be considered as development, particularly in view of the known sporadic characteristics of fluorspar deposits and the element of risk involved in their exploration.

The J. R. Simplot Company would have been willing to have carried out the provisions of the expanded contract which they proposed but immediately upon receipt of your letter of about August 11 denying the application, they shut down the Meyers Cove project and transferred their personnel and equipment elsewhere. The expense of maintaining the camp to do the small amount of work permitted with the remaining funds would have been too great to be attractive to them, particularly in view of the meager results that could have been anticipated from the proposed work. Furthermore, in the long period from April 30 when Mr. Troxell first submitted the company's request for an amended contract, until August 11 when the denial was received, the company had become interested in a very promising fluorspar deposit near Challis and immediately upon receiving word of the denial they decided to concentrate their efforts on the exploration of this deposit as well as the Chalspar deposit which has recently yielded some rather promising results. (See Weissenborn's memorandum to the files of August 19 reporting the cutting 25 feet of high grade ore in a drill hole in the Chalspar project, Docket DMEA-2950)

The Field Team regrets the adverse decision on the extension of the contract and feels that an opportunity which should have been taken under the DMEA program has been overlooked. We would be inclined to request reconsideration of the decision but because of the denial, personnel and equipment have been moved from Meyers Cove to other activities, and the Field Team, therefore, recommends that the contract be terminated by mutual agreement. Please let us have this approval at the earliest possible date so that we may proceed to close the contract.

All copies of the subject amendment are enclosed herewith.

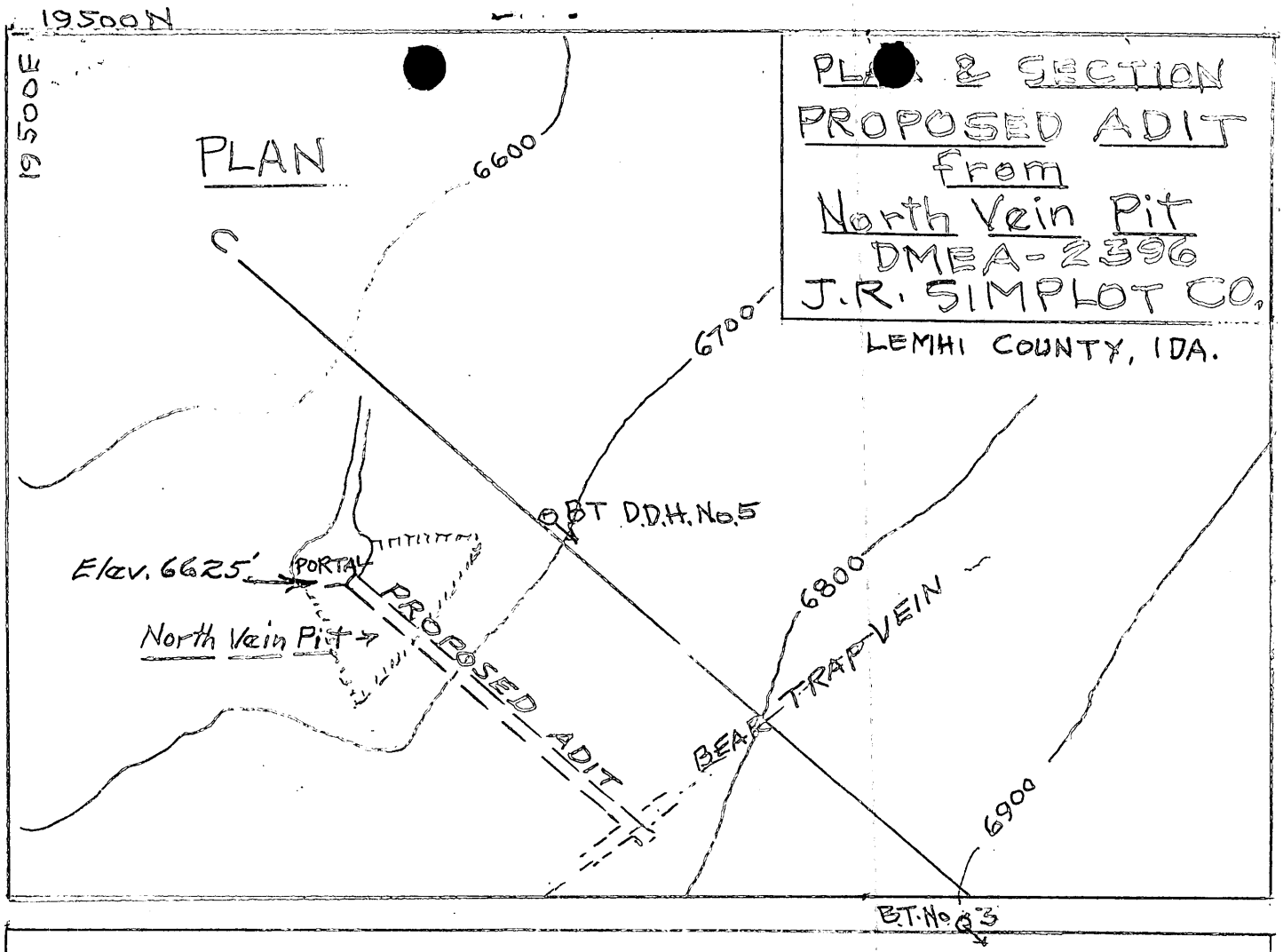
By DMEA Field Team, Region II

FOR: Thor H. Kiloguard
A. E. Weissenborn, Executive Officer
(U. S. Geological Survey)

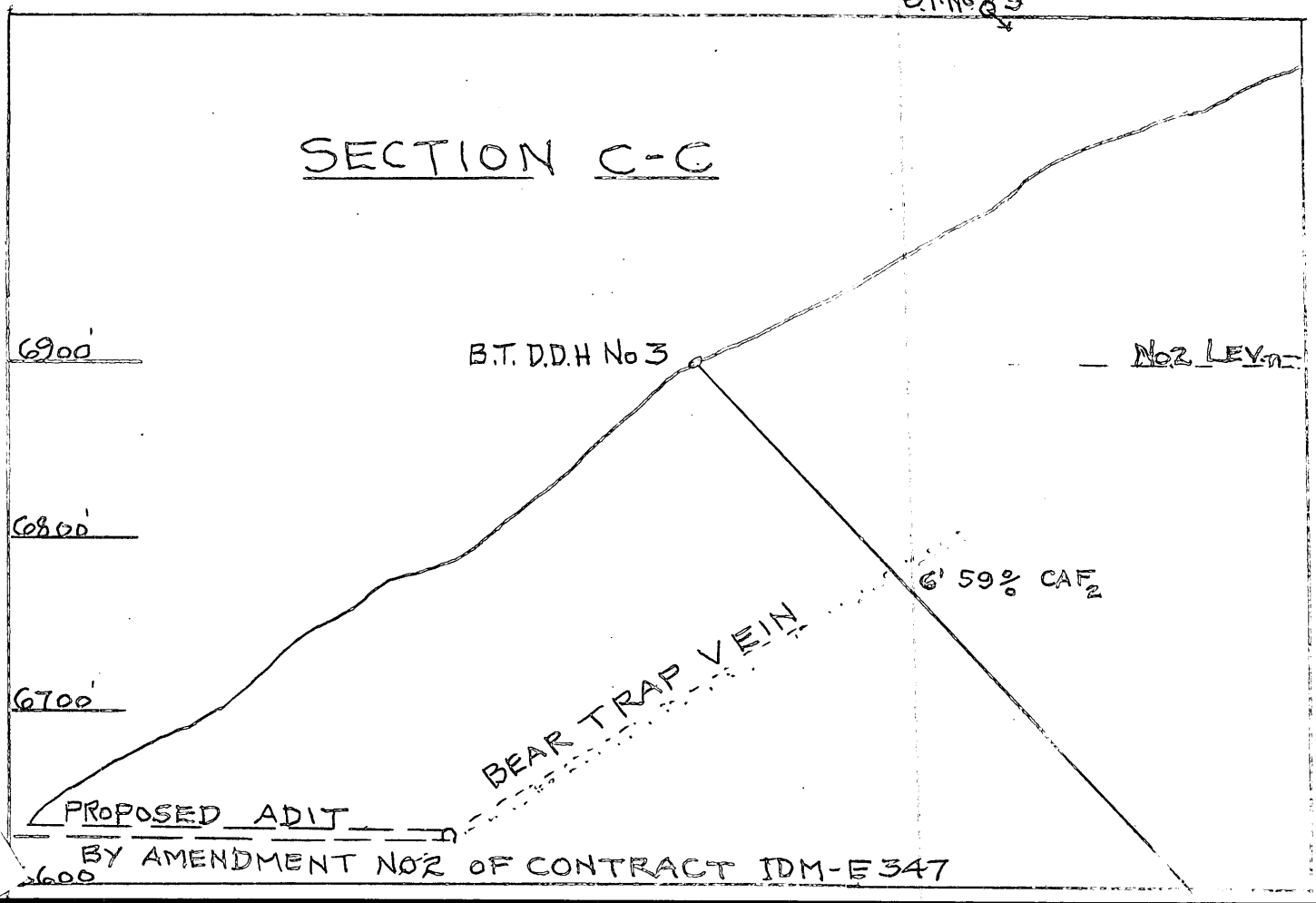
Noted 8-27-53
M. E. Volin, Member
(U. S. Bureau of Mines)

Enclosure

cc: USBM (2)
Nickelson



PLAN & SECTION
PROPOSED ADIT
from
North Vein Pit
DMEA-2396
J.R. SIMPLOT CO.
LEMHI COUNTY, IDA.



BY AMENDMENT NO2 OF CONTRACT IDM-E347

FILE COPY
SURNAME:

Robertson
Houk
Olsone
Rutin
Pinkel
Higgins
Sellridge
Hendrson

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

6010

AUG 10 1953

J. L. Simplot Company
Continental Bank Building
Boise, Idaho

Re: Docket No. DMEA-2396 - Fluorspar
Chamac Mine
Lemhi County, Idaho
Contract No. Idm-E347

Gentlemen:

Your application for additional aid under Docket No. DMEA-2396, Contract No. Idm-E347, relating to the fluorspar exploration at the Chamac Mine in Lemhi County, Idaho, has been reviewed.

Careful study of all our information, including an analysis of all the work completed under the contract, indicates to us that it is not sufficiently promising to justify Government participation in the newly proposed work program. We regret to advise you, under these circumstances, that your application for additional exploration assistance is denied.

An amendment to authorize the expenditure of the remaining funds for drifting and crosscutting from the north slope at 6,625' elevation is being forwarded to the field team for execution.

Sincerely yours,

C. O. Mittendorf (fcw)

Administrator

MDS
8-10-53

LGHouk:gad 8/5/53
Copy to: Admr. R. File
Docket File
Operating Committee
Field Team, Region II
Mr. Davis, 3519
Mr. Larrabee, G-232 GSA Bldg.
Mr. Houk

FILE COPY
SURNAME: 913

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

140

AUG 10 1953

Rewritten by

Robertson
Houk
AEKane
Burgin
Selfridge
GCSelfridge

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

Subject: Docket No. DMEA-2396 (Fluorspar)
J. R. Simplot Company
Lemhi County, Idaho
Contract No. Idm-E347

Dear Mr. Weissenborn:

Reference is made to your letters of May 21, June 5, and July 7, 1953, to the Operating Committee, and the Operator's second "application" of April 30, 1953, for additional work on the Crystle Claims.

You will find enclosed Amendment No. 2 to the subject contract to allow crosscutting and drifting for the amount remaining under the original contract which may be used for exploration of the Bear Trap vein by crosscutting from the north slope. Our records as of May 1, 1953, show $9,788 remains to be expended under the contract and the maps indicate that it is approximately 250 feet to the Bear Trap structure on the 6,625 foot level. Sufficient funds remain for the 310 feet of drifting and crosscutting.

In view of the unsuccessful findings in the upper horizon, it is not considered that any additional funds beyond those allowed in the original contract are justified. The drifting from the Bear Trap adit was very unsatisfactory as the drifts wandered about as if there was no structure to follow. We would like to avoid such a situation in opening up the Bear Trap vein at the lower horizon.

The Operator has been advised by the Administrator that his request for additional funds for the subject contract will not be granted.

Sincerely yours,

George C. Selfridge
ESS

Chairman, Operating Committee

Approved:

J. H. Hedges
ESS

Member, Bureau of Mines

A. R. Kinkel, Jr.
ESS

Member, Geological Survey

Enclosures 6

LGHouk/AEKane/ema 8-7-53
cc: Mails & Files
Adm. R. File
Op. Comm.
Mr. Thayer
Mr. Hedges
Chron.
J. L. Hofflund
A. E. Kane
Pending

MBD 8-10-53

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C. 600

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

Subject: Docket No. DMEA-2396 - Fluorspar
J. R. Simplot Company
Chamac Mine
Lemhi County, Idaho
Contract No. Idm-E347

Dear Mr. Weissenborn:

Reference is made to your letters of May 21, June 5, and July 7, 1953, to the Operating Committee, and the Operator's second "application" of April 30, 1953, for additional work on the Crystle Claims.

You will find enclosed Amendment No. 2 to the subject contract to allow crosscutting and drifting for the amount remaining under the original contract which may be used for exploration of the Bear Trap vein by crosscutting from the north slope. Our records as of May 1, 1953, show $9,788 remains to be expended under the contract and the maps indicate that it is approximately 250 feet to the Bear Trap structure on the 6,625 foot level. Sufficient funds remain for the 310 feet of drifting and crosscutting.

~~The Operator may be compelled to complete the contract if it is in the interest of the Government to have the work completed.~~ In view of the unsuccessful findings in the upper horizon, it is not considered that any additional funds beyond those allowed in the original contract are justified. The drifting from the Bear Trap adit was very unsatisfactory as the drifts wandered about as if there was no structure to follow. We would like to avoid such a situation in opening up the Bear Trap vein at the lower horizon.

The Operator has been advised by the Administrator that his request for additional funds for the subject contract will not be granted.

Sincerely yours,

Approved:

Chairman, Operating Committee

Member, Bureau of Mines

Member, Geological Survey

Enclosures 6

DMEA-2396

Six Copies of rejected Amendment No. 2. See letter dtd 8/21/53 from Field Team Region II to Selfridge, Chairman of Operating Committee for reasons for rejection.

J.J.R 9-17-53

Amendment No. 2 was returned unsigned by the Operator. J.J.R. Contract terminated September 2, 1953

Division Copy

EXPLORATION PROJECT CONTRACT
J. R. SIMPLOT COMPANY
DOCKET NO. DMEA-2396

AMENDMENT NO. 2

It is agreed this 7th day of August, 1953, between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, and J. R. Simplot Company, each acting in consideration of the agreement of the other to the terms hereinafter set forth, that effective May 1, 1953, Exploration Project Contract Idm-B347, Docket No. DMEA-2396, dated June 17, 1952, is amended as follows:

1. Fourteen hundred and forty-eight (1448) linear feet of the drift, adit, and raise or winze specified in Exhibit "A" having been completed at an actual cost of $9,788.00 less than the total estimated cost of the project, 1/ and the parties not desiring to continue the work specified in Exhibit "A," in lieu thereof, at about the 6625-foot elevation, the Operator shall drive about 250 feet of adit or crosscut, the location of whose portal shall be at the North Vein Pit, as indicated on the map attached hereto, made a part hereof, and entitled "Plan & Section - Proposed Adit, North Vein Pit, DMEA-2396, J. R. Simplot Co., Lemhi County, Idaho." When the vein is encountered, it will be explored by about 60 feet of drifts and crosscuts, but the total of all this additional work shall not exceed 310 feet.

2. The Government will contribute to the cost of the above adit, drifts, or crosscuts on the basis of the agreed unit cost of $31.50 a foot (which includes all costs of the work), as it accrues, for units of work actually performed in lieu of actual costs. The work to the cost of which the Government will contribute on the basis of this agreed estimated unit cost may be performed by independent contractor without reference to the provisions relating to independent contracts and contractors in Articles 4 (a) and (b) and 6 (a)(1) of the contract form.

1/ Subject to audit.

EXPLORATION PROJECT CONTRACT
J. R. SIMPLOT COMPANY
DOCKET NO. DMEA-2396

ANNEX II

The following provisions are in lieu of all of paragraph (a) of Article 9 which precedes the colon:

If the Government considers that a discovery or development from which production may be made has resulted from the exploration work, the Government, at any time not later than six months after a sufficient, complete, final report and final account referred to in the contract 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, The Operator, or his successor in interest, shall pay to the Government a royalty on all minerals mined or produced from the land described in Article 2, 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 of discovery or development, or until the total net amount contributed by the Government, without interest, is fully repaid, whichever occurs first, unless the Government waives its right to a royalty; or (2) if the Government makes a certification of discovery or development, for 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. Said royalty shall be a percentage of the net smelter returns, the net concentrator returns, or other net amounts realized from the sale or other disposition of any such production (including any bonuses), in whatever form disposed of, including ore, concentrates, or metal, as follows:

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

July 29, 1953

Memorandum

To: Chief, Nonmetallic Division, D. M. E. A.

From: Assistant Chief, Construction and Chemical Materials Branch

Subject: J. R. Simplot Co., Docket No. DMEA 2396, Meyers Cove, Lemhi County, Idaho, Fluorspar

The unfavorable findings as a result of the work done under contract IDM-E347 in my opinion does not condemn the entire area. In view of the favorable intersections in some of the holes drilled from the north side of the mountain, additional underground exploration appears justified. Therefore, I recommend that an adit be driven at an elevation a little above the 6600 level with the entry on the north side of the mountain in the area proposed by the applicant. The adit should be driven to cut the south vein. I also recommend that exploratory drifting be done on all three veins (North, Bear Trap, and South) as proposed by the field team in their memorandum of May 21, 1953. I feel that less than this footage would not adequately test the area. I recommend that the raises proposed by the applicant not be a part of this contract. The estimate of $59,500 submitted by the field team appears to be adequate.

Joseph C. Arundale

Joseph C. Arundale, Assistant Chief
Construction and Chemical Materials Branch

Attachment

R

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUL 13 1953

July 7, 1953

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

Re: Docket No. DMEA-2396 (Fluorspar)
J. R. Simplot Company
Chamac Mine
Lemhi County, Idaho
Contract No. Idm-E347

Dear Mr. Selfridge:

Reply to your letter of June 15 on the subject docket has been delayed to give us time to contact the Operator regarding his present plans. These will have very considerable bearing on the consideration of the application.

In reviewing the work to date, the inspection of the plans and sections attached to the present and previous applications will show there are two fluorspar-bearing structures on the Crystal claims, the North Bear Trap vein and the South Bear Trap vein, which have been indicated by previous drilling. The South Bear Trap vein showed up better in the diamond drill holes, but the North vein was chosen for the first exploration for the following reasons:

1) The North Bear Trap vein could be reached by a shorter adit than the South vein.
2) This adit could be located on the south slope of the hill which had some operating advantages.
3) The outcrop of the North vein was better exposed and, in fact, was being mined by open pit a short distance north of the area to be explored. The South vein on the other hand outcropped but poorly and was known mostly from diamond drill holes.

Exploration of the North vein under the DMEA contract has found a few small fluorspar lenses but has not found anything resembling commercial ore. The attached map, which is a duplicate of a map already sent to you in the course of the usual inspection reports, shows the situation clearly and requires no additional comment. Only one copy is attached as you should have other copies in your files.

Division Copy

EXPLORATION PROJECT CONTRACT
J. R. SIMPLOT COMPANY
DOCKET NO. DMEA-2396

AMENDMENT NO. 2

It is agreed this 7th day of August, 1953, between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, and J. R. Simplot Company, each acting in consideration of the agreement of the other to the terms hereinafter set forth, that effective May 1, 1953, Exploration Project Contract Idm-E347, Docket No. DMEA-2396, dated June 17, 1952, is amended as follows:

1. Fourteen hundred and forty-eight (1448) linear feet of the drift, adit, and raise or winze specified in Exhibit "A having been completed at an actual cost of $9,788.00 less than the total estimated cost of the project, 1/ and the parties not desiring to continue the work specified in Exhibit "A," in lieu thereof, at about the 6625-foot elevation, the Operator shall drive about 250 feet of adit or crosscut, the location of whose portal shall be at the North Vein Pit, as indicated on the map attached hereto, made a part hereof, and entitled "Plan & Section - Proposed Adit, North Vein Pit, DMEA-2396, J. R. Simplot Co., Lemhi County, Idaho." When the vein is encountered, it will be explored by about 60 feet of drifts and crosscuts, but the total of all this additional work shall not exceed 310 feet.

2. The Government will contribute to the cost of the above adit, drifts, or crosscuts on the basis of the agreed unit cost of $31.50 a foot (which includes all costs of the work), as it accrues, for units of work actually performed in lieu of actual costs. The work to the cost of which the Government will contribute on the basis of this agreed estimated unit cost may be performed by independent contractor without reference to the provisions relating to independent contracts and contractors in Articles 4 (a) and (b) and 6 (a)(1) of the contract form.

1/ Subject to audit.

3. Attached hereto and made a part hereof is Annex II of the contract, which modifies the provisions of Article 9 of the contract.

4. This amendment shall not be construed to increase the estimated total cost of the project, the aggregate total amount which the Government may be required to contribute, nor the amount of any item designated as "allowable maximum."

Executed in sextuplicate the day and year first above written.

THE UNITED STATES OF AMERICA

By O P Mitchell
Administrator, Defense
Minerals Exploration
Administration

a E Kane
Anton Hoch

J. R. SIMPLOT COMPANY

By _____

EXPLORATION PROJECT CONTRACT
J. R. SIMPLOT COMPANY
DOCKET NO. DMEA-2396

ANNEX II

The following provisions are in lieu of all of paragraph (a) of Article 9 which precedes the colon:

If the Government considers that a discovery or development from which production may be made has resulted from the exploration work, the Government, at any time not later than six months after a sufficient, complete, final report and final account referred to in the contract 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, The Operator, or his successor in interest, shall pay to the Government a royalty on all minerals mined or produced from the land described in Article 2, 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 of discovery or development, or until the total net amount contributed by the Government, without interest, is fully repaid, whichever occurs first, unless the Government waives its right to a royalty; or (2) if the Government makes a certification of discovery or development, for 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. Said royalty shall be a percentage of the net smelter returns, the net concentrator returns, or other net amounts realized from the sale or other disposition of any such production (including any bonuses), in whatever form disposed of, including ore, concentrates, or metal, as follows:

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

July 29, 1953

Memorandum

To: Chief, Nonmetallic Division, D. M. E. A.

From: Assistant Chief, Construction and Chemical Materials Branch

Subject: J. R. Simplot Co., Docket No. DMEA 2396, Meyers Cove, Lemhi County, Idaho, Fluorspar

The unfavorable findings as a result of the work done under contract IDM-E347 in my opinion does not condemn the entire area. In view of the favorable intersections in some of the holes drilled from the north side of the mountain, additional underground exploration appears justified. Therefore, I recommend that an adit be driven at an elevation a little above the 6600 level with the entry on the north side of the mountain in the area proposed by the applicant. The adit should be driven to cut the south vein. I also recommend that exploratory drifting be done on all three veins (North, Bear Trap, and South) as proposed by the field team in their memorandum of May 21, 1953. I feel that less than this footage would not adequately test the area. I recommend that the raises proposed by the applicant <u>not</u> be a part of this contract. The estimate of $59,500 submitted by the field team appears to be adequate.

Joseph C. Arundale

Joseph C. Arundale, Assistant Chief
Construction and Chemical Materials Branch

Attachment

R

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUL 13 1953

July 7, 1953

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

Re: Docket No. DMEA-2396 (Fluorspar)
J. R. Simplot Company
Chamac Mine
Lemhi County, Idaho
Contract No. Idm-E347

Dear Mr. Selfridge:

Reply to your letter of June 15 on the subject docket has been delayed to give us time to contact the Operator regarding his present plans. These will have very considerable bearing on the consideration of the application.

In reviewing the work to date, the inspection of the plans and sections attached to the present and previous applications will show there are two fluorspar-bearing structures on the Crystal claims, the North Bear Trap vein and the South Bear Trap vein, which have been indicated by previous drilling. The South Bear Trap vein showed up better in the diamond drill holes, but the North vein was chosen for the first exploration for the following reasons:

1) The North Bear Trap vein could be reached by a shorter adit than the South vein.
2) This adit could be located on the south slope of the hill which had some operating advantages.
3) The outcrop of the North vein was better exposed and, in fact, was being mined by open pit a short distance north of the area to be explored. The South vein on the other hand outcropped but poorly and was known mostly from diamond drill holes.

Exploration of the North vein under the DMEA contract has found a few small fluorspar lenses but has not found anything resembling commercial ore. The attached map, which is a duplicate of a map already sent to you in the course of the usual inspection reports, shows the situation clearly and requires no additional comment. Only one copy is attached as you should have other copies in your files.

A total of $48,112 (Government share $24,056) has been spent to date on the exploration under the existing contract. Our reasons for believing that additional work is justified are as follows:

Drill hole information suggests better widths and higher grade fluorspar in the South vein than in the North vein. Furthermore, the potential of the area should not be ignored. The North Bear Trap vein has produced 3,000 tons of 60 percent CaF_2-bearing rock from an open pit a short distance to the northeast of the area in which the same vein has been explored. In addition, 25,000 tons of 50 percent CaF_2 have been produced from the "Big Lead" plus or minus 800 feet west of the North pit. From this, 11,000 tons of acid grade fluorspar and 1,200 tons of ceramic grade fluorspar has been made, according to the company records. This production, though by no means tremendous, is fairly substantial and suggests very strongly that further exploration might find more ore, even though the small stretch of one vein drifted in the present contract has not demonstrated anything of interest. It should be pointed out that fluorspar ore shoots are typically lenticular and that it is not impossible that an ore shoot could be found anywhere along either of the Bear Trap veins.

Another point that should be brought to mind is that there has been a considerable investment by the Government in the area in access roads, in the DMEA exploration contract, and in the stationing of a GSA agent in the area to buy the fluorspar. With the unfortunate destruction of the mill by fire, ore reserves are insufficient to justify the rebuilding. The only way that any return can be made for any of the funds already invested would be through further operation of the deposits from new discoveries made. There is, of course, no sense in throwing good money after bad, but we believe that the potentialities for discovery are good enough to justify the limited program which we have recommended. Without the stimulus of DMEA assistance it is extremely likely that the district will lie dormant for a long while with little chance for recovery of any of the funds already expended.

By Field Team, Region II

FOR: Walter H. Lindgaard
A. E. Weissenborn, Exec. Officer
(Geological Survey)

Thomas E. Howard
Thomas E. Howard, Acting Member
(Bureau of Mines)

Enclosure 1

cc: USBM (2)
Nickelson

FILE COPY
SURNAME:

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C. 600

JUN 1 3 1953

Mr. A. E. Weissenborn
Executive Officer, DMEA
Field Team, Region II
South 157 Howard Street
Spokane 8, Washington

Subject: Docket No. DMEA-2396 - Fluorspar
J. R. Simplot Company
Chamac Mine
Lemhi County, Idaho
Contract No. Idm-E347

Dear Mr. Weissenborn:

Reference is made to your letters of May 21 and June 5, 1953, recommending additional work under the subject contract.

Since this project is nearing completion and the Operator has been given a 60-day recess, it is suggested that the field team prepare a resume of the accomplishments of the program to date in order that this office may more accurately analyze the recommendation for additional work. The resume should include the geologic reasons the field team feels justified in spending additional funds, and why exploration at a lower horizon is justified.

This office agrees with your findings that the accomplishments to date have not been encouraging. Exploration has shown up only pods and stringers of fluorspar along the Bear Trap structure. This contract should be brought to completion, if it is in the interest of the Government to do so.

In view of the questionable success of the exploration program to date, this office would be pleased to receive geologic facts and information as to why you strongly recommend additional work on the subject property.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee

Approved:

J. H. Hedges

Member, Bureau of Mines

A. R. Kinkel, Jr.

Member, Geological Survey

LGHouk:gad 6/11/53

Copy to: Admr. R. File
Docket File
Operating Committee
Mr. Davis, 3519
Mr. Van Alstine, G-232 GSA Bldg
Mr. Houk

4639

RECEIVED
JUN 9 4 27 PM '53
GENERAL SERVICES ADM.
PUBLIC BLDGS. SERVICE
EMD - COMMUNICATIONS

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUN 11 1953

20 WA SP /I-GS-G/

SPOKANE 6-9-53 1208A

GEORGE SELFRIDGE

CHAIRMAN DMEA OPERATING COMMITTEE

WA

RE MITTENDORF-S TELEGRAM OF JUNE 3 TO J. R. SIMPLOT REACTIVATING DOCKET 2950. THERE APPARENTLY IS CONFUSION CONCERNING THIS APPLICATION AND EXSISTING CONTRACT IDM-E347 AT MYERS COVER, LEMHI COUNTY IDAHO DOCKET 2950 SUBMITTED IN MARCH CONCERNS CHALSPAR PROPERTY IN CUSTER COUNTY SOME MILES DISTANCE FROM MYERS COVE AND CAN NOT BE PROCESSED AS AMENDMENT TO IDM-E347. COMPANY ALSO ON APRIL 30 SUBMITTED APPLICATION FOR EXPLORATION OF CRYSTAL CLAIMS AT MYERS COVE ADJACENT TO OR COVERING SAME GROUND AS CONTRACT IDM-E347. WE HAVE NO DOCKET NUMBER FOR CRYSTAL APPLICATION. THIS IS APPLICATION THE FIELD TEAM RECOMMENDS BE PROCESSED AS AMENDMENT TO IDM-E347

A E WEISSENBORN,

EXECUTIVE OFFICER DMEA FIELD TEAM, REGION II

3 2950 IDM-E347 2950 IDM-E347 30 IDM-E347 IDM-E347

VA 1210P

CORRN.. CHG CODE SHLD BE /I-GS-G/

See to

JUN 10 10 25 AM '53
BUREAU OF MINES
MAIL ROOM
WASHINGTON, D. C.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

June 5, 1953

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

Re: Docket No. DMEA-2396 (fluorspar)
Chamac Mine
Lemhi County, Idaho
Contract Idm-E347

Dear Mr. Selfridge:

Reference is made to your letter of June 1 in which you note that we should provide your office with a justification for proposed diamond drilling amendment as changing the purpose and scope of the work is not within our delegated authority.

We have not prepared a diamond drilling amendment for the subject contract. Our letter to Mr. Keith Madill dated April 24 was merely to discuss a proposed drilling amendment which had been requested by the Operator. In the Field Team's letter of May 21 on the subject contract we requested extension of the existing contract to allow for more funds and additional work. In that letter we noted that the Operator had requested a diamond drilling amendment which was being considered by the Field Team. We noted, however, that it was doubtful if this drilling program would be successful as the scope of the target to be explored is limited. We also noted that unless the Operator received additional funds he would probably not be interested in completing the present contract.

If a diamond drilling amendment is prepared by the Field Team it will be sent to Washington for approval.

Sincerely,

See April 29, 1953, letter by Nickelson to Keith Madill

Thor H. Kiilsgaard

Thor H. Kiilsgaard
For: A. E. Weissenborn
Executive Officer, DMEA
Field Team, Region II

cc: USBM (2)
Nickelson

Houk
Oct 1971

Department of the Interior
Defense Minerals Exploration
Administration
Washington

M 3943.970 [illegible]
Interior, Defense Minerals Exploration
Administration

My letter June 4, 1953

[illegible] Naylor, President
[illegible] Naylor Company
Wallace, Idaho

Recurtel June 3 change last sentence to read: Your recent application will be processed as an amendment to your present contract Idm 2 347.

C. O. Mittendorf

C. O. Mittendorf, Administrator
Defense Minerals Exploration Administration

CONFIRMATION COPY

LGHouk:gad 6/4/53

Copy to: Admr. R. File
Docket File
Field Team, Region II
Mr. Brundale, 3519
Mr. Van Alstine, G-232 GSA Bldg.
Mr. Houk

IN REPLY REFER TO:
G-MD-CNM

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

June 3, 1953

Memorandum

REVIEW OF FIELD TEAM REPORT ON APPLICATION DMEA-2396 amendment (Fluorspar)

To: L. G. Houk, Defense Minerals Exploration Administration
From: R. E. Van Alstine, U. S. Geological Survey
Applicant: J. R. Simplot Company (Fluorspar Mines, Inc.)
Name of property: Fluorspar Mines (formerly Chamac Mine)
Location of property: Meyers Cove, Lemhi County, Idaho.
Date of field team report: May 21, 1953 memorandum to Selfridge, Operating Committee.
Authorship of field team report: M. E. Volin (Bur. Mines) and T. H. Kiilsgaard (Survey).
Field team's recommendation: Propose (as amendment to present contract) 1,800 feet of underground work on Bear Trap, North, and South veins, presumably from north side of mountain instead of south side, but at points not described or shown on map; total cost $59,500.
Comments:

Exploration of the Bear Trap vein under DMEA-2396 has turned up only pods and stringers of fluorspar along the structure. Minable fluorspar was not found to be continuous between the outcrops and favorable intersections in earlier Aluminum Company of America drilling.

Drilling of such lenticular or discontinuous deposits, which was proposed previously as a way of making use of the remaining funds, would be of doubtful value. These funds would be spent better in additional underground work on the Bear Trap vein and on the parallel North and South veins at sites on the north side of the mountain to be agreed upon by the operator and field team. I agree with you that the project should be limited to expenditure of the remaining funds ($9,788).

ACTION SUGGESTED:

Follow field team's recommendation for additional underground work but with above restrictions.

R. E. Van Alstine

R. E. Van Alstine

FILE COPY
SURNAME:

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

600

Houk
Selfridge
Johnson
Kinkel

JUN 1 1953

Mr. A. E. Weissenborn
Executive Officer, DMEA
Field Team, Region II
South 157 Howard Street
Spokane 8, Washington

Subject: Docket No. DMFA-2396 - Fluorspar
J. R. Simplot Company
Chamac Mine
Lemhi County, Idaho
Contract No. Idm-K347

Dear Mr. Weissenborn:

Reference is made to your letter of April 29, 1953, addressed to Mr. Keith Madill on an amendment to the subject contract.

The proposed diamond drilling amendment must have the approval of the Washington office. You should provide this office with a justification for the amendment as changing the purpose and scope of the work under the contract is not within your delegation of authority.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee

Approved:

J. H. Hedges

Member, Bureau of Mines

A. R. Kinkel, Jr.

Member, Geological Survey

LGHouk:gad 5/29/53
Copy to: Admr. R. File
Docket File
Operating Committee
Mr. Davis, 3519
Mr. Larrabee, G-232 GSA Bldg.
Mr. Houk

MF-500

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

REFERENCE SLIP

DATE 5/28/53

REFERRED TO:
1. ~~Mr. Selfridge, Rm. 4631~~
2. ~~Mr. Houk, Rm. 4637~~
3. Robertson
4.

FOR:

..... Action	..... Recommendation
..... Approval	..... Record of .....
..... Comment	..... Referring to .....
..... Conference	..... Reply for signature of .....
..... Consideration	..... Rewriting
..... Filing	..... Signature
..... Instructions	..... Suggestions
..... Investigation	..... Your information
..... Initials	
..... Mailing	
..... Previous correspondence	

REMARKS: Original to R&R. 1 cy ea. to BM & USGS. Hazel

My heart bleeds for Dimpert but see no reason to approve Program Houk

Check (X) before the items needing attention.

George C. Selfridge

(HG) *Initials of sender.*

GPO 16—63815-1

What do you suggest Joe? It does not look good.

5/28/53 DMEA-2396

250 ft in proposed adit (6690 contour north side) would cut downward extension of Bear Trap vein projected.

Let them use the remaining funds $9788 for this work @ 31.50/ft

$\frac{9788}{31.50} = 310.7$ ft. which is enough to cut the vein & a little to spare.

Robertson

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

May 21, 1953

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

Re: Docket No. DMEA-2396 (Fluorspar)
J. R. Simplot Company
Lemhi County, Idaho
Contract Idm-E347

Dear Mr. Selfridge:

Your attention is directed to a recent application submitted by the J. R. Simplot Company, the purpose of which was to secure a DMEA contract to further explore a fluorspar property they are currently operating at Meyers Cove, Idaho.

You will recall that the J. R. Simplot Company has a DMEA contract (No. Idm-E347) on the Meyers Cove property and that this project is exploring the Bear Trap structure by an adit, drifting, and raising or winzing. Much of the allowable work in this contract has been completed but with negligible results (see recent interim reports). Drifting off the DMEA adit in the silicified zone, in what is assumed to be the Bear Trap structure, has exposed a few small pods and stringers of fluorspar but not in the quantity exposed in the structure at the outcrop and not in sufficient amounts to be of any value. This has been all the more disappointing in that diamond drilling of the Bear Trap structure, completed before DMEA project work started, encountered fluorspar in the projected location of the Bear Trap vein at points below the DMEA adit level and it had been hoped that minable fluorspar would be continuous between the outcrop and the points intersected by drilling. The Operator has recently requested that the contract be amended to allow further diamond drilling from the DMEA adit level and this request is being considered by the Field Team. It is doubtful, however, if the requested drilling will be too helpful to the DMEA project as the scope of the target to be explored is limited.

In view of the neglibible findings in the DMEA project work, the applicant has submitted the subject application to further explore the Bear Trap and two additional fluorspar-bearing structures from the opposite or north side of the mountain and at a level 275 feet below the present DMEA adit. The application proposes extensive crosscutting, drifting, and raising on these three structures.

The present proposed work was previously considered by the applicant but was discarded in favor of the work being done by the present DMEA project as the DMEA adit, shown on the applicant's map as the Bear Trap Level No. 2, was on the south side of the mountain in a location that would make winter mining less difficult and where ore produced would be transported downgrade to the mill. As the workings from the south side have proved disappointing, the applicant now favors the proposed work from the north side of the mountain. Transportation of ore from these workings could be a seasonal problem but one that the company could no doubt solve.

The Field Team recommends that the present application be considered not as a new fluorspar application but as a proposal to extend work and increase the funds of the present contract. Moreover, it recommends that the proposal be given serious consideration as the future of the Meyers Cove area as a fluorspar producer could very well depend upon favorable consideration of this proposal. As you probably know, the Simplot fluorspar mill at Meyers Cove was recently destroyed by fire. The Operator has estimated that it would cost $300,000 to completely replace all of the fixtures and equipment destroyed by the fire. Simplot Company officials have stated that there are not enough ore reserves in sight at the present time to warrant rebuilding the mill and that unless present exploration delimits more ore they will withdraw their operations from the region. They have also inferred that unless they receive DMEA assistance in the newly proposed program they will cease operations as an extensive exploration program coupled with the costs of rebuilding the mill is more of a financial burden than they can stand at this time. If they should cease operations at this point they would very likely not complete their present contract work as this program has no chance of exposing enough ore to warrant construction of a mill. Cessation of operations would also mean that the Government would have no chance of recovering funds expended in the present program.

Proposed work in the present application is believed to be more extensive than is needed to test the three structures; therefore, it is suggested that the proposal be modified to include the following:

	750 feet of adit	
	150 feet of drifting on the North vein	
	200 feet of drifting on the Bear Trap vein	
	600 feet of drifting on the South vein	
Total	1,800 feet @ $31.50 per foot (present contract unit price)	$56,700.00
	Unforeseen timbering	2,440.00
	Assaying	360.00
	Grand total	$59,500.00

If this proposed program can be favorably considered, it is recommended that work remaining to be done in the present contract Idm-E347 be cancelled and that the remaining funds, which amounted to $9,788 as of May 1, 1953, be diverted to the new work. This would mean that the amended contract should increase the existing funds by $49,712.

In the event the newly proposed program is not acceptable to DMEA, there is some question as to whether the Operator should be asked to complete the present contract as we frankly doubt if this program will meet with much success. Work done to date has been discouraging and the remaining funds will allow for only a limited amount of exploration, certainly not enough to expose sufficient tonnage to justify construction of another mill.

The Field Team strongly recommends that the subject application be accepted as a proposal to extend the existing contract and that the contract be amended to provide for the exploration work proposed herein.

By DMEA Field Team, Region II

M. E. Volin

M. E. Volin, Acting Exec. Officer
(U. S. Bureau of Mines)

Thor H. Kiilsgaard

Thor H. Kiilsgaard, Acting Member
(U. S. Geological Survey)

cc: USBM (2)
Nickelson

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

1201 North Division Street
Spokane 2, Washington

May 19, 1953

MEMORANDUM

To: DMEA Field Team, Region II

From: V. Z. Johnson, Mining Engineer, Bureau of Mines

Subject: Inspection J. R. Simplot Co., Meyers Cove, Lemhi County, Idaho, Contract Idm-E347, Docket No. DMEA 2396 (fluorspar)

The inspection was made on May 2, 1953 with Mr. Lewis, shift boss.

The southwest drift had advanced 129 feet and the west crosscut had advanced 23 feet since the inspection of April 2, 1953.

Cross sections are 8 x 8 feet and untimbered and are advanced by two men on round in and out basis. Excavations have about exhausted units authorized by this contract if about 114 feet of drift crosscut and raise are charged to diamond drilling according to an amendment being processed.

Total contract units completed to date are 1448 feet, of which 723 feet is drifting, 697 feet is crosscutting, and 28 feet is raising. The southwest drift is now 307 feet from the crosscut adit, and the northeast drift was terminated in February at 360 feet from the crosscut adit. Fifty-six feet of drift is charged to No. 2 drift northeast where the Operator drifted about 65 feet. The main adit was 598 feet of crosscut and the west crosscut is now at about 92 feet total, leaving 7 feet of participation units in the southeast 18 foot crosscut from the No. 2 drift.

There was practically no fluorspar ore exposed during the period. The vein was lost by the southwest drift at about 194 feet from the adit where the two 4-inch fluorspar stringers separated by gouge and quartz were swung south in strike about 15° away from the southwest drift as it continued in a zone of shearing. Sample No. V.J. 4 was taken at this point.

Project operations are at a standstill waiting the sanction and results of proposed diamond drilling.

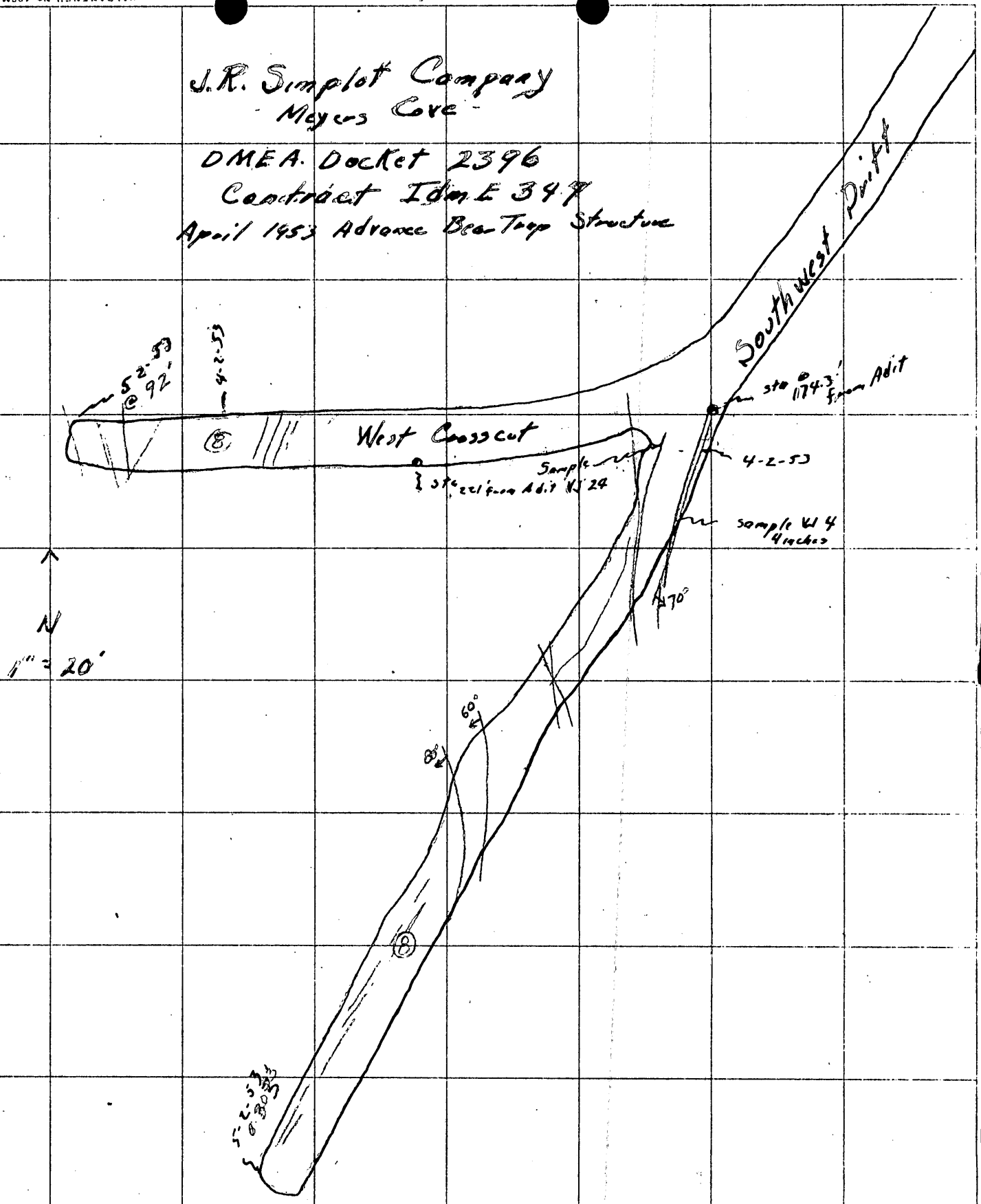
The workmanship is satisfactory and costs are very near the agreed unit cost of $31.50/foot.

V. Z. Johnson

Orig. & 3 - Wash.
USGS - 2 DMEA M/D VZJ

J.R. Simplot Company
Meyers Cove

DMEA Docket 2396
Contract Idn E 347
April 1953 Advance Bear Trap Structure



STANDARD FORM No. 14
APPROVED BY THE PRESIDENT
MARCH 10, 1926

TELEGRAM

OFFICIAL BUSINESS—GOVERNMENT RATES

L. G. Houk Houk

FROM Interior Dept.

BUREAU Defense Minerals Exploration Admin.

CHEST APPROPRIATION 2[illegible].970 Working Fund
Military Science Minerals Exploration Administration

10—1723 U. S. GOVERNMENT PRINTING OFFICE

DMEA 2396

A. B. [illegible]
[illegible] OFFICER
DMEA
South 357 Howard Street
Spokane 8, Washington

May 19, 1953

AUTHORIZED CHANGE CO DAY CONTRACTION CONTRACT IDE-347
CHANGE FLORIDA.

C. O. Mittendorf (for)
C. O. MITTENDORF,
Administrator

LGHouk:fls 5/19/53
Copyto: Admr. R. File
Docket File
Mr. Davis, 3519
Mr. Van Alstine, G-232 GSA Bldg.
Mr. Houk

5-19-53

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAY 18 1953

Dmea 2396

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GENERAL SERVICES ADMIN
PUBLIC BLDGS. SERVICE
BMD - COMMUNICATIONS

400 WA SP /I-GS-G/

SPOKANE WASH 5-15-53 455

GEORGE C SELFRIDGE CHAIRMAN

OPERATING COMMITTEE DEFENSE MINERALS

EXPLORATION ADMIN WA

OPERATOR OF CHAMAC MINE FLUORSPAR CONTRACT IDM-E347, REQUESTS 60 DAYS SUSPENSION OF EXPLORATION OPERATIONS. SUSPENSION NECESSITATED BY FIRE THAT DESTROYED MILL. FIELD TEAM RECOMMENDS APPROVAL OF SUSPENSION AND REQUESTS IMMEDIATE AUTHORIZATION FROM WASHINGTON BY WIRE FOR THIS ACTION.

THOR H. KIILSGAARD FOR A E WEISSENBOR EXEC OFFICER REGN II SP

IDM-E347 60

AC 456

MAY 18 1 51 PM '53
BUREAU OF MINES
MAIL ROOM
WASHINGTON, D.C.

DMEA- 2396

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

May 15, 1953

Mr. Keith Madill, Manager
Fluorspar Mines
Challis, Idaho

Re: Contract Idm-E347
Chamac Mine

Dear Mr. Madill:

This will acknowledge your letter of May 4, 1953, in which you request a sixty-day recess of operations on your DMEA contract. We understand that the need for a recess has resulted from a fire that destroyed your mill and which subsequently necessitated changes in your operational plans.

The Field Team approves your request for a recess and asks that they be notified of the date when you again resume work on your contract.

By DMEA Field Team, Region II

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

M. E. Volin, Member
(U. S. Bureau of Mines)

cc: USBM (2)
DMEA (2)
Nickelson

IN REPLY REFER TO:

G-MD-CNM

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
(RECEIVED)
MAY 13 1953

May 13, 1953

Memorandum

REVIEW OF APPLICATION DMEA-2396 amended (fluorspar).

To: L. G. Houk, Defense Minerals Exploration Administration.
From: R. E. Van Alstine, U. S. Geological Survey.
Applicant: Fluorspar Mines, Inc. (J. R. Simplot Co.), Challis, Idaho.
Name of property: Fluorspar Mines (formerly Chamac Mine), Crystle Nos. 1-7, 12 claims.
Location of property: Meyers Cove, T. 18 N., R. 17 E., Lemhi County, Idaho.
Estimated cost of project: $165,800
Summary of applicant's proposal: Drifts, raises, crosscuts, and Calyx drilling to explore the Bear Trap, North, and South veins.
Sources of information on applicant's property:

1) Survey files on wartime geologic investigations of applicant's property.
2) Earlier applications for exploration assistance there (DMA-1763X and DMEA-2396) and subsequent field team reports.

Comments:

1) Previous exploration (total cost $61,400) under this contract, during which no minable ore was found, established the lenticularity of the Bear Trap vein. The proposed amendment (total cost $165,800) calls for approximately 1,700 feet of additional underground workings on this vein and about 3,350 feet of workings and 400 feet of Calyx drilling to explore two parallel veins (North vein and South vein).

2) The drifting and raising proposed for the North vein seem to be development work rather than exploration. The applicant proposes to drift for 500 feet on this vein, from a site where "some 2,000 tons of 60+ percent CaF_2 ore have been mined" to and beyond a point 320 feet away where a drill hole 100 feet up-dip showed 13 feet of 30 percent CaF_2.

3) The outcrop of the South vein should be described, with figures for ore thickness, grade, etc. Neither the map nor application gives information on this vein, other than the favorable grade and thickness figures for three intersections in drill holes.

4) Under item 6, p. 4 of the proposal, all of the 300-foot raise on the South vein is to be above the intersection of B.T. D.D.H. No. 3 and the vein, as shown in section C-C. Is any of this 300-foot raise justified as exploration? How much of the other proposed raises is justified, once the previous drill-hole intersections with the veins have been reached?

5) Is the Calyx hole for ventilation justified as an item of exploration? If so, is the 6-inch diameter an adequate size? The applicant states that the drill hole would be 400 feet long from the surface to the end of the crosscut. The map and section C-C show that such a drill hole would be about 500 feet long.

6) It is not explained why some of the drifting, raising, and crosscutting is done at the $31.50 rate (present unit-cost basis) and why some is at the $33.00 rate.

7) The total proposed drifting (2,400 feet), raising (1,800 feet), and crosscutting (850 feet possible) add to 5,050 feet, whereas the applicant's summary on pages 4 and 5 shows 4,800 feet. This amounts to a discrepancy of approximately $8,000 in the cost of the proposed work.

RECOMMENDATION:

Refer to field team.

R. E. Van Alstine

R. E. Van Alstine

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

May 1, 1953

Mr. Robert L. Troxell
Executive Vice President
J. R. Simplot Company
Continental Bank Building
Boise, Idaho

Re: New application
Fluorspar Mines, Inc.
Crystal Claims
Lemhi County, Idaho

Dear Mr. Troxell:

Please refer to our letter of April 29 to Mr. Keith Madill, carbon copy of which was forwarded to J. R. Simplot Company. With this letter we enclosed for signature your application for DMEA assistance on the Crystal claims and also Owner's Consent to Lien forms to be completed and made a part of the application. On April 30 your letter of April 28, enclosing Guaranty forms, was received. Inasmuch as this form will take the place of an Owner's Consent to Lien, it will not be necessary to fill out these forms. We are today mailing the Guaranty forms to Washington to be affixed to your application.

Sincerely yours,

Harold Kirkness
Acting Member
DMEA Field Team, Region II

cc: DMEA (2)
USBM (2)
Nickelson

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

April 29, 1959

Mr. Keith Medill, Manager
Fluorspar Mines, Inc.
Challis, Idaho

Re: New application
Fluorspar Mines, Inc.
Crystal Claims
Lemhi County, Idaho

Dear Keith:

In accordance with our telephone conversation today, we are returning for signature the J. R. Simplot application for DMEA assistance to explore the Crystal claims in the Gravel Range Mining District, Lemhi County, Idaho. To save time please return 1 copy to this office and mail the original and two copies to

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

It would be appreciated if you would send us a copy of your transmittal letter when submitting your application to Mr. Selfridge.

A lessor's consent to lien will be required and 2 copies of form MF-203 are enclosed. These should accompany your application to Washington, but can follow at a later date if time is required to obtain signatures.

I plan to visit your property some time during the week beginning May 4. I would like to look over the drill core upon which this application is mainly based and see some of the pits exposing the North vein.

It is my understanding that the proposed diamond drilling amendment on Contract Ism-436/ will not have to be approved in Washington but can be handled by the Field Team, Region II. As soon as we receive your comments on the Field Team's letter of April 24, we can proceed with the amendment.

I am looking forward to visiting you during the early part of the week of May 3.

Yours truly,

Howard E. Nickelson
For: A. K. Weissenborn
Executive Officer, DMEA
Field Team, Region II

Enclosures

cc: J. R. Simplot, Boise, Idaho, w/enclosures as above

DMEA (2)
USBM (2) w/conflid cy of appl.
Nickelson

J. R. SIMPLOT COMPANY
GENERAL OFFICES
CONTINENTAL BANK BUILDING
BOISE, IDAHO

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAY 4 1953

April 30, 1953

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

Dear Mr. Selfridge:

At the direction of the Defense Minerals Exploration Administration, office of Mr. A. E. Weissenborn, Spokane, Washington, we are forwarding directly to you the application of Fluorspar Mines, Inc. for Defense Minerals Exploration Administration assistance to explore the Crystal claims in the Gravel Range Mining District, Lemhi County, Idaho.

You will note that no Owner's Consent to Lien is enclosed. On April 28, 1953, we forwarded to the Spokane office of Defense Minerals Exploration Administration five copies of guarantee form executed on behalf of Fluorspar Mines, Inc.; those being submitted in lieu of Owner's Consent to Lien. It is probable that those guarantee forms have, or will soon be, forwarded to you by the Spokane office to complete the application.

Very truly yours,

ROBERT I. TROXELL
Executive Vice President

cc: Mr. A. E. Weissenborn
Spokane

RIT/abj

MF-103
(Revised April 1952)
RECEIVED

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

APR 24 1953

U. S. G. S.
SPOKANE, WASH.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAY 4 1953

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. DMEA-2396 amended
Metal or Mineral
Date Received 5/4/53
Estimated Cost
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: Fluorspar Mines, Inc. an Idaho Corporation (wholly owned subsidiary of J. R. Simplot Company), Challis, Idaho
J. R. Simplot, President; John Dahl, Vice President;
Robert I. Troxell, Secretary

(*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 See addenda attached hereto

(*b*) State any mine name by which the property is known. Fluorspar Mines (formerly Chamac Mine)

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

(*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. Attached hereto.

(*e*) If you own the land, describe any liens or encumbrances on it

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

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.

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

(*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.

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

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

5. *The exploration project.*—State the mineral or minerals for which you wish to explore Fluorspar (fluorite)

(*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.

(*c*) The work will start within 30 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.

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:

(*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)?

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

[X] Money [X] Use of equipment owned by you [X] 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 20, 1953

FLUORSPAR MINES, INC.
(Applicant)

By John M. Dabl
Vice Pres.

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

3. (a) A contiguous group of eight (8) unpatented lode mining claims, known as Crystle No. 1, 2, 3, 4, 5, 6, 7, and 12 situated and located in the Gravel Range Mining District, Lemhi County, Idaho, Township 18 North, Range 17 East, Boise, Meridian, and more particularly described in Book 2, Quartz Locations, at Pages 42, 43, 44, 45, 46, 47, 48, and 53, respectively, Official Records of Lemhi County, Salmon, Idaho.

4. (a) During the past two years major production has been from the Big Lead vein. This ore body has been mined for a strike length slightly over 300 feet and a maximum dip lenght of about the same distance.

Several miles of "bulldozer trenching" has been done by the U. S. Bureau of Mines and this company.

Sixteen diamond drill holes were drilled by Alcoa to explore the Big Lead, Bear Trap and South Veins. (Maps and drill logs are included in this report).

In conjunction with D.M.E.A. (Docket No. 2396, Contract No. Idm 347 - Fluorspar) this company has driven some 1200 feet of drifts and cross-cuts to explore the Bear Trap structure at an elevation of 6,930 feet. To date, no minable ore has been encountered.

Currently a development drift is being started on the Bear Trap out crop, and a small tonnage is being extracted from the Chamac workings at the West end of the property.

Facilities on the property consist of: 1. A camp complete with modern dwellings, bunkhouse, boarding house, and office. 2. An 80 ton per day flotation mill. 3. Analytical laboratory.

4. Complete shop facilities. 5. Sufficient mining equipment for all anticipated production and exploration.

All operations are conducted by the above company.

The property is accessible for examination.

4. (b) To date some 25,000 tons of fluorspar ore have been extracted from the Big Lead ore body, located approximately 1,100 feet southwest of the proposed portal. The above tonnage (combined with a small production from the Anderson, Bear Trap, and North Vein Areas) has yielded 11,500 tons of acid and ceramic grade concentrate.

Current mine production is at the rate of 70 tons per day.

Present ore reserves are calculated at 7,000 tons of 45 per cent CaF_2 ore.

(c) Veins occur along complex fault zones in the highly altered rhyolite and rhyolitic tuff members of the Challis,Volcanics. Several periods of mineralization have filled open fissures and effected some replacement in the wall rock. Ore bodies are lenticular with greatest widths (up to 20 feet) occurring at areas of change in dip and strike. Major minerals are fluorite, chalcedony, and barite, Minor amounts of iron and manganese oxides occur chiefly as stains.

The results of previous diamond drilling coupled with failure to find ore at the elevation of the present exploration project (Docket No. 2396, Contract No. Idm 347-Fluorspar), gives rise to the opinion that a favorable ore horizon exists at an elevation of 6,625 to 6,825 feet. Diamond drill holes 1, 2, and 3 encountered from 8 to 13 feet of minable ore

on the South Vein, for a total strike distance between holes of 800 feet. Diamond drill holes 3 and 4 indicate 5 to 6 feet of high grade ore in the Bear Trap Vein, for a strike distance between holes of 400 feet. Diamond drill hole No. 3 was the only one which was successful on both veins. For this reason the proposed portal site was located as near as practicable to the plane of Hole No. 3.

Inasmuch as some 2,000 tons of 60+ per cent CaF_2 ore have been mined (by open pit) from the North Vein, and hole No. 8 encountered a wide mineralized zone, a short crosscut and 500 feet of drift to explore this structure appears justified.

Due to the proven lenticularity of the ore zones, considerable raising is indicated to explore the veins along the dip. Thus, the proposed crosscut is located at the elevation of the deepest successful drill holes.

(d) Fiftyfour miles northwest of Challis, Idaho (nearest town), and 106 miles northwest of Mackay, Idaho, railhead. Employees reside at the camp.

(e) Adequate manpower, materials, supplies, equipment, water, and power are presently available for operation.

5. (b) 1. 750 feet of crosscut at an approximate elevation of 6,625 feet, the portal of which will be located at the North Pit. To be driven parallel to and approximately 100 feet southwest of B.T. DDH No. 3.

2. Drift 200 feet northeasterly and 500 feet southwesterly on the Bear Trap Vein.

3. Raise 350 feet to and through the point of intersection of B.T. DDH No. 3 on the vein, if

the structure warrants. If the structure does not warrant, drive 100 feet of vertical raise to a point 100 feet down dip of the vein below the B.T. DDH No. 3 intersection and raise 200 feet on the vein.

4. Raise 450 feet on the vein to and through the intersection of B.T. DDH No. 4 with the Bear Trap Vein.

5. Drift 1,000 feet northeasterly and 200 feet southwesterly on the South Vein.

6. Raise 300 feet on the South Vein above the intersection with B.T. DDH No. 3.

7. Raise 300 feet on the South Vein to and through the intersection with B.T. DDH No. 2.

8. Raise 300 feet on the South Vein to and through the intersection with B.T. DDH No. 1.

9. Drift 500 feet on the North Vein from the portal of the main crosscut or from a crosscut driven 100 feet northwesterly in the plane of B.T. DDH No. 8 to the North Vein from the Bear Trap drift.

10. Raise 100 feet on the North Vein to and through the intersection with B.T. DDH No. 8.

11. Drill 400 feet of 6 inch Calyx drill hole from the surface to the end of the crosscut for ventilation.

(d) The operating company has been mining phosphate, uranium, barite, iron, and fluorspar for the past several years. The manager of Fluorspar Mines, Inc. has had 16 years engineering and operating experience, and is assisted by a competent staff.

6. Estimated Costs:

Portal preparation	$ 1,000.00
2,000 feet of drifts, raises and crosscuts @ $31.50 per foot	63,000.00

2,800 feet of drifts, raises and crosscuts @ $33.00 per foot	$ 92,400.00
400 feet of Calyx drill hole @ $6.00 per foot	2,400.00
Total Exploration	$ 158,800.00
Unforseen timbering	6,500.00
Assaying	500.00
Total	$ 165,800.00

(a) None

(b) Included in unit costs of $31.50 and $33.00.

(c) " " " " " " " "

(d) " " " " " " " "

(e) None

(f) Not included

(g) Assaying $500.00. Other items included in unit costs.

(h) 1,000 feet of timbering @ $6.50 per foot, total $6,500.00. Not anticipated.

7. (a) Yes.

(b) Money; Payment for labor, supplies, and materials used in conjunction with the program. Equipment; compressor, rock drills, mucking machines, slushers, motor, cars, ventilation equipment, etc. Other; office, engineering and laboratory facilities.

ALCOA MINING COMPANY

SAMPLING RECORD

HOLE B.T. NO. 1
SHEET NO. 1

DEPTH 495' ANGLE 46° STRIKE S 40° E ELEVATION 6944 NORTH 19287.49 EAST 20329.66

Depth Ft.	FORMATION	Sample No.	Length Ft.	Analysis CAF_2	SiO_2	$BaSO_4$	$CaCO_3$	Length Ft.	Progressive Totals CAF_2	SiO_2
109.0								0.0		
114.0	Seams of Spar	69	5.0	5.78	70.70	None				
	Sludge	69-a	5.0	6.65	68.72	None				
	Sludge & core		5.0	6.56	68.92	None		5.0	32.80	344.60
117.0	Seams of Spar	70	3.0	23.46	55.51	None				
	Sludge	70-a	3.0	11.36	64.65	None				
	Sludge & core		3.0	15.51	61.31	None		8.0	70.33	529.13
125.0	Silicious Spar	71	8.0	15.82	68.90	None				
	Sludge	71-a	8.0	14.62	60.22	None				
	Sludge & core		8.0	14.93	62.44	None		16.0	198.77	1028.65
135.0	Small Seams Spar	72	10.0	4.14	70.88	None				
	Sludge	72-a	10.0	5.01	71.31	None				
	Sludge & core		10.0	4.90	71.25	None		26.0	247.77	1741.15
137.0	Seams of Spar	73	2.0	3.61	60.15	None		28.0	254.09	1861.45
372.0								0.0		
374.0	Small seams spar	74	2.0	8.02	64.16	None		2.0	16.04	
380.0	Spar	75	6.0	41.99	43.62	None		8.0	279.99	
	Sludge omitted	75-a	6.0	4.55	73.53	None				
385.0	Spar	76	5.0	41.49	46.46	None		13.0	487.43	
388.0	Seams of Spar	77	3.0	Trace	63.72	None		16.0	467.50	

Test 43° 15' at 395

HOLE B.T. NO. 2
SHEET NO. 1

DEPTH 794' ANGLE 46° STRIKE S 49°E ELEVATION 7056 NORTH 19580.42 EAST 20590.28

Depth Ft.	FORMATION	Sample No.	Length Ft.	Analysis CaF_2	SiO_2	$BaSO_4$	$CaCO_3$	Length Ft.	Progressive Totals CaF_2	SiO_2	$BaSO_4$	$CaSO_3$
526.8								0.0				
529.8	Alt. flow brec.											
	Some Spar	29	3.0	10.90	66.77	3.16	1.74	3.0	32.70	200.31	9.48	5.22
538.0	Spar	30	8.2	71.57	24.08	None	9.18	11.2	619.57	397.77	9.48	6.70
543.5	Some spar in alt.											
	flow breccia	31	5.5	19.52	54.01	None	1.96	16.7	726.93	694.82	9.48	17.48
416.0								0.0				
419.0	Beam of Spar	32	3.0	2.51	72.79	None		3.0	7.53	218.37		
412.0	Country rock Pyrite	33	2.0	4.01	65.04	None		5.0	15.55	348.45		
456.0								0.0				
458.0	Seams of Spar	34	2.0	9.02	69.36	None		2.0	18.04	138.72		
460.0	Seams of Spar	35	2.0	6.47	69.45	None		4.0	30.98	277.62		
462.0	Seams of Spar	36	2.0	2.07	70.84	None		6.0	35.12	419.30		
469.0												
472.0		37	3.0	3.18	78.48	None		3.0	9.44	235.44		
494.0												
496.0		38	2.0	19.72	58.17	Trace		2.0	39.44	116.34		
504.0												
506.0		39	2.0	6.22	60.20	None		2.0	12.44	138.40		

Test 46° 30' at 638

HOLE B.TT.NO. 3
SHEET NO. 1

DEPTH 552' ANGLE 46° STRIKE S 49°E ELEVATION 6903 NORTH 18984.65 EAST 20062.22

Depth Ft.	FORMATION	Sample No.	Length Ft.	Analysis CaF_2	SiO_2	$BaSO_4$	$CaCO_3$	Length Ft.	Progressive Totals CaF_2	SiO_2	$BaSO_4$	$CaSO_3$
157.3								0.0				
160.3	Seams of Spar	84	3.0	2.61	65.55	None	3.42	3.0	7.83	196.65	0.0	10.26
166.3	Spar	85	6.0	59.01	22.67	16.08	0.90	9.0	361.89	332.67	96.48	15.66
168.0	Small Seams Spar	86	1.7	4.88	68.19	None	2.60	10.7	370.19	448.59	96.48	20.08
362.0												
364.3	Flor brec. with spar	96	2.3	17.58	58.44	2.46	2.76	2.3	40.43	134.41	5.66	6.35
368.3	Spar	97	4.0	61.65	27.87	None	1.25	6.3	287.03	245.89	55.66	11.35
371.8	Seams of spar	98	3.5	2.15	60.52	None	4.88	9.8	294.55	457.71	5.66	28.43
373.0	Spar	99	1.2	56.44	31.55	None	2.00	11.0	362.28	495.57	5.66	30.83
375.0	Seams of Spar	100	2.0	2.34	61.67	None	5.64	13.0	866.96	618.91	5.66	42.11

Test 43° 15' at 550

HOLE B.T. NO. 4
SHEET NO. 1

DEPTH 555' ANGLE 46° STRIKE S 49° E ELEVATION 6933 NORTH EAST 19801.65

Depth Ft.	FORMATION	Sample No.	Length Ft.	Analysis CaF_2	SiO_2	$BaSO_4$	$CaCO_3$	Length Ft.	Progressive Totals CaF_2	SiO_2	$BaSO_4$	$CaSO_3$
186.0								0.0				
191.0	Alt. flor brec.	108	5.0	None	68.50	None	3.35	5.0	0.0	342.50		
191.0	Sludge for 186' to 196	108a	10.0	7.95	64.81	None	3.04					
191.0	Sludge & core		5.0	30.50	61.07			10.0	152.95	647.85		
196.0	Spar	109	5.0	58.48	28.45	None	1.11					
201.0	Alt. flor brec.	110	5.0	None	63.28	None	3.63	15.0	152.95	964.25		
264.0								0.0				
265.0	Alt. flo Brec.	111	1.0	None	56.28	None	4.08	1.0	0.0	56.28		4.08
275.0	Spar in broken zone	112	10.0	43.63	80.14	None	3.71					
275.0	Sludge (asbed 8')	112A	10.0	8.22	60.22	None	3.57					
275.0	Sludge & core		10.0	12.52	57.37		3.58	11.0	125.20	629.98		39.88

Test 42° 45' at 430

467.0								0.0				
469.0	Alt. flor. brec	113	2.0	None	59.64	None	5.20	2.0	0.0	119.28		10.40
471.0	Spar	114	2.0	46.02	37.64	None	2.07	4.0	92.04	194.56		14.54
473.0	Alt. flor brec.	115	2.0	2.47	55.98	None	4.57	6.0	96.98	306.52		23.68

HOLE B.T. NO. 5
SHEET NO. 1

DEPTH 447.5 ANGLE 46° STRIKE S 49°E ELEVATION 6681 NORTH 19223.14 EAST 19814.18

Depth Ft.	FORMATION	Sample No.	Length Ft.	Analysis CaF_2	SiO_2	$BaSO_4$	$CaCO_3$	Length Ft.	CaF_2	SiO_2	$BaSO_4$	$CaSO_3$
127.8								0.0				
131.6	Silicif. flor brec.	104	3.8	3.06	74.13	None	1.90	3.8	11.63	281.69	0.0	7.22
133.0	Spar	105	1.4	47.41	36.67	10.60	0.41	5.2	78,00	333.03	14.84	7.79
136.3	Very silicious spar	106	3.3	4.78	78.87	None	1.04	8.5	93.77	593.30	14.84	11.22
138.3	Foot all flor brec.	107	2.0	None	71.56	None	2.34	10.5	93.77	736.42	14.84	15.90

HOLE B.T.NO. 6
SHEET NO. 1

DEPTH 501' ANGLE 46° STRIKE S 49° E ELEVATION 6765 NORTH 19950.00 EAST 20133.00

Depth Ft.	FORMATION	Sample No.	Length Ft.	Analysis CaF_2	SiO_2	$BaSO_4$	$CaCO_3$	Length Ft.	Progressive Totals CaF_2	SiO_2	$BaSO_4$	$CaSO_3$
223.5								0.0				
229.0	Small seams spar	92	5.5	7.82	61.16	None	2.77	5.5	43.01	336.38		15.23
232.0	Silicious spar	93	3.0	19.64	65.48	None	1.01	8.5	101.93	532.76		18.26
237.5	Silicif. rock spar	94	5.5	5.89	75.57	None	1.16	14.0	134.32	948.39		24.64
241.0	Alt. flo. brec.	95	3.5	None	63.15	None	3.15	17.5	134.41	1169.41		35.66
457.8								0.0				
467.8	Souge (contains some spar)	103	10.0	9.12	65.78	None	2.02					
467.8	Sludge	103-a	10.0	2.61	71.35	None	1.95					
467.8	Sludge & core		10.0	3.23	70.81		1.96	10.0	32.30	708.10		19.60

Test 46° 15' at 500'

HOLE B.T.NO. 8
SHEET NO. 1

DEPTH 430' ANGLE 46° STRIKE S 49° ELEVATION 6739 NORTH 18958.78 EAST 19489.67

Depth Ft.	FORMATION	Sample No.	Length Ft.	Analysis CaF_2	SiO_2	$BaSO_4$	$CaCO_3$	Length Ft.	Progressive Totals CaF_2	SiO_2	$BaSO_4$	$CaSO_3$
136.3								0.0				
138.7	Seams of spar in brec.	116	2.4	15.89	57.31	None	2.89	2.4	38.14	137.54	0.0	6.94
141.7	Silicious Spar	117	3.0	33.08	46.05	None	2.15	5.4	137.38	275.69	0.0	13.39
146.2	Spar	118	4.5	42.40	26.20	11.96	1.00	9.9	328.18	393.59	53.82	17.89
151.8	Seams of Spar	119	5.6	19.64	56.50	Traces	2.66	15.5	428.16	709.99	53.82	32.79
169.0								0.0				
171.5	Silicious Spar	120	2.5	24.16	67.39	None	2.72	2.5	60.40	168.47		6.80
175.0	Spar	121	2.5	40.46	49.23	None	1.30	6.0	202.01	340.77		11.35
177.0	Seams of spar	122	2.0	4.62	68.92	None	2.30	8.0	211.25	478.61		16.13
194.8								0.0				
109.3	Silicious Spar	123	4.5	27.01	56.89	1.68	1.50	4.5	121.54	256.00	7.56	6.75

Test 42° 45' at 430'

BEAR TRAP HOLE NO. 1

Description of core:

[illegible].0-109.0	Soft-altered agglomerate. Lost 17' of core.
109.0-114.0	Soft-altered agglomerate with small seams of spar. Core loss 4'. Sampled.
114.0-117.0	Altered agglomerate with small seams of spar. Core loss 1'. Sampled.
117.0-125.0	Fairly good grade of spar. Core loss 4'. Sampled.
125.0-135.0	Altered rock which contains some silicious spar. Core loss 7.6. Sampled.
133.0-137.0	Soft-altered flor breccia. Sampled.
137.0-161.0	Soft green altered rock with an occasional 1/4" to 1/2" seam of spar. Core loss 7'.
161.0-169.0	Soft-heavy gouge and broken rock.
169.0-223.0	Soft-green rock which is probably an altered agglomerate although a few flor lines are visible. Core loss 6'. Small stringer of spar at 188'.
223.0-272.0	Fairly firm flow breccia cut by many small seams of SiO_2 and an occasional small stringer of spar. Core loss 8'.
272.0-318.0	Soft kaolinized flow breccia. Core loss 14'.
318.0-372.0	Mostly a light-green agglomerate, but it does show some flow lines. Considerable harder than adjoining formation. 10" stringer of spar at 340' and other small (less than 1') seams every few feet. Core loss 8'.
372.0-374.0	Light-green agglomerate with a cople small seams of spar. Sampled.
374.0-380.0	Good grade of spar. Core loss 1'. Sampled.
380.0-385.0	Good grade of spar but contains more included waste than preceding sample. Sampled.

Description of core:
Feet

385.0-388.0	Fairly firm flow breccia with one small seam of spar. Sampled.
388.0-495.0	Same firm flow breccia as above. Ground 22' core.

Core recovery: 79.9%

BEAR TRAP HOLE NO. 2

0.0- 5.0	No core
5.0- 85.0	Flow breccia with distinct flow lines. Yellowish to greenish-white color due to surface oxidization. Total core loss 20".
85.0- 87.0	Dark-grey agglomerate.
87.0- 95.3	Dark-grey agglomerate.
85.3-102.0	Light-grey flow breccia with felsitic matrix and considerable harder.
102.0-108.0	Light-grey flow breccia with dark basaltic cement at 103' and 108'.
108.0-131.0	Greenish-grey agglomerate, quite fresh and hard.
131.0-134.0	Light-grey breccia with very silicious matrix and considerable free SiO_2.
134.0-137.0	Greyish-green breccia with fairly prominent flow lines.
137.0-147.0	Greenish-brecciated rock with stocky-clay cement from 141' to 147'. Core loss 4.5'.
147.0-166.0	Broken and altered breccia with a heavy soft gouge from 159' to 166'. (10" core loss at 169'.)
166.0-175.0	Greenish-flow breccia.
175.0-192.0	Greenish-gray kaolinized agglomerate.
192.0-194.5	Dark-green agglomerate with 1/2" stringer of green spar at 192.5'.
217.0-240.0	Dark-green agglomerate with a very coarse texture, pieces up to 4" thick.
240.0-276.5	Greenish-grey agglomerate with streaks of white kaolin from 240'-248', and fairly heavy gouge from 252'-259' Ground 2-1/2' core at 268'.

Feet

276.5-392.0	Grey agglomerate with a pink tint from 314'-324' and from 330'-339'. 1/4" stringer of spar at 346'. Ground 2' of core between 344' and 349'. Started BX core at 388.
392.0-403.0	Light-grey agglomerate.

BEAR TRAP HOLE NO. 3

0.0- 5.0	No core
5.0-160.2	Greenish-grey altered soft-flow breccia. Small stringers of spar and silica are very common from about 75' on, and stringers from 2" to 10" side are seen between 100' and 169'. Core loss 20'.
160.2-166.2	Good grade of spar. Sampled.
166.2-168.0	Footall gouge and small seams of spar. Sampled.
168.0-202.0	Greenish-grey soft-flow breccia. Core loss 3'.
202.0-225.0	Rock is extremely altered material, green colored and soft, which contains some gouge and breccia. This zone should perhaps be sampled at some time for gold and silver.
225.0-235.0	Altered-flow breccia which is still quite soft and contains streaks of yellowish-white kaolin.
235.0-320.0	Slightly firmer flow breccia which varies in color from light to greenish grey. Streaks of spar at 285' and 315'. Core loss 8'.
320.0-362.2	Soft-dark-grey kaolinized flow breccia.
362.0-364.2	Grey-flow breccia containing small seams of spar. Sampled
364.2-368.2	Good grade of spar. Sampled.
368.2-371.7	Light-grey flow breccia with small seams of spar. Sampled.
371.7-373.0	Small stringer fairly good spar. Sampled.
373.0-357.0	Light-grey flow breccia. Sampled.
375.0-553.0	Light-grey to greenish-grey flow breccia, seams of spar at 406', 417', 425' and 528'. Core loss 35'.

Core recovery 87.2%

BEAR TRAP HOLE NO. 4

Description of core: Feet

0.0- 2.0	No core
2.0- 75.0	Bluish-gray partly kaolinized agglomorate, small seams of spar and SiO_2, around 24' and 33'. Core loss 18'.
75.0- 85.0	Soft yellowish-grey gouge zone full of rock fragments. Core loss 2.5'.
85.0-166.0	Yellowish to greenish-grey agglomerate which is partly kaolinized and has been subjected to extreme alteration. Small seams of spar around 118'. Core loss 36'.
166.0-170.0	Small stringers and seams of silicious spar and SiO_2, breccia fragments recemented with SiO_2 and some spar under 170'.
170.0-186.0	Agglomerate which is still affected by the extreme yellowish alteration beginning at 85'. Rock may be chloritized? Core loss 3'.
186.0-205.0	Bluish to yellowish-flow breccia which contains a vein of spar from 190'-196'. Sampled. Core loss 3'.
205.0-265.0	Greenish-flow breccia with indistinct flow lines, Seams of spar at 216', 232', and 243'. Last 1' of zone sampled. Core loss 20'.
265.0-275.0	Contains a vein of spar in which most of run was washed and ground. Core saved gougey material. Sampled. 8' core loss.
275.0-282.0	Very light-grey flow breccia with about 6" gouge at 276'. Core loss 2'.
282.0-380.0	Dark greenish-grey flow breccia. Rock is very broken. Core loss 40'.
380.0-391.0	Same greenish-flow breccia, but with many small seams of SiO2.
301.0-465.0	Greenish-grey flow breccia, 4" seam SiO2 at 462'.
465.0-474.0	Sampled 2' vein of fair spar and adjacent. all rock.
474.0-555.0	Greenish-flow breccia, fairly hard, with seams of SiO2 at 487' and 500'. Core loss 38'.

Core recovery: 67.1%.

BEAR TRAP HOLE NO. 5

Description of core:

Feet	
0.0- 3.0	No core
3.9-127.7	Bluish-grey kaolinized flow breccia; streaks of yellowish kaolin 41'-43' and 100'-104'. 3' of silicious spar at 70'. Core loss 21'.
127.7-138.3	Silicious spar and all-rock. Sampled.
138.3-185.0	Light grey agglomerate.
185.0-198.0	Flow breccia with dark-green flow lines. (same formation encountered in B.T. No. 6 hold between 242' and 321'.)
198.0-250.0	Light-green breccia with indistinct flow lines.
250.0-290.0	Light-grey flow breccia with greenish-flow lines. Core loss 18'.
300.0-477.6	Greenish-grey flow breccia, partly kaolinized. Core loss 26'.

Core recovery: 83.3%

BEAR TRAP HOLE NO. 6

Description of core:

feet	
0.0- 3.0	No core.
3.0- 41.0	Kaolinized breccia with small stringers of spar at 6', 32' and 34'. Core loss 7'.
41.0- 78.0	Light-grey to greenish agglomerate, small seams of spar at 42' and 49'.
78.0-130.0	Bluish kaolinized-flow breccia. Core loss 7'.
130.0-223.5	Greenish-flow breccia. (BX core after 184') Core loss of 20', but no core was lost near 150', at which B.T. vein was expected. Should have been above 50' - probably at 110'.
223.5-242.0	Extremely silicious material containing some spar. Sampled.
242.0-321.0o	Flow breccia with distinctive dark-green flow lines. Soft gouge streaks between 267' and 277'. Core loss 30'.
321.0-501.0	Soft-bluish kaolinized-flow breccia. Soft-gouge streaks from 437' to 444'. This soft-broken ground contained some spar and could have been the south Vein. Sampled. Core loss 75'.

Core recovery: 71.7%

BEAR TRAP HOLE NO. 7

Description of core:

Feet	
0.0- 10.0	No core
10.0- 74.0	Bluish-grey partly kaolinized flow breccia. Oxidized rusty seams common. Core loss 19'.
74.0- 75.0	Talcy-clay seam about 6" wide and 2 to 4" solicified rock. Core loss 1'.
75.0-145.0	Greenish-grey blow breccia, very broken ground. Core loss 26'.
145.0-148.5	Soft gouge and broken ground, quite heavy, hanging wall material. Sampled
148.5-151.6	Intensely silicified and brecciated rock with some spar. Correlates with gouge material in T.B. No. 2 hole, and is probably B. T. vein formation. Some traces of spar in very minor amounts. Sampled.
151.6-153.6	Footwall-flow breccia with minor kaolinization and one ot two small seams of spar. Sampled.
153.6-177.0	Bluish-grey kaolinized flow breccia. Core loss 5'.
177.0-182.0	Bluish-flow breccia with streaks of yellowish-white Kaolin up to 1" wide.
182.0-191.0	Bluish-flow breccia with abundant silicification streaks of bluish silica 2" to 8" wide cut across core at approximately 45 degree angle.
191.0-195.0	Brecciated zone along which some movement has taken place, but not enought o erase the flow lines. Rock color is light grey.
195.0-370.0	Intensely altered flow breccia affected by same yellowish alteration noted in all tip row B.T. holes. 3" stringer green spar at 290' and three small seams at 302', which cut the core at a low angle. 1" sandy zone at 363'. All very soft. Core loss 85'.
370.0-397.0	Greenish to bluish-grey flow breccia (firmer). 1/4" seams to spar at 376'.

Bear Trap Hole No. 7 cont'd.

397.0-420.0 Intensely silicified zone in flow breccia. Small stringers and seams of SiO2 and spar cut across the core at all aggles, but are not spaced close enough to constitute a vein.

420.0-465.0 Bluish-flow breccia. AX core after 445'.

Core recovery: 68.8%

Bear Trap Hole No. 7

SAMPLE NO.	FOOTAGES	% SaFe	% SiO_2	% $CaCO_3$	% $BaSO_4$
# 126	145' - 0 to 148' - 6"	None	62.29	3.78	None
# 127	148' - 6" to 151' - 8"	4.07	75.87	1.99	None
# 128	151' - 8" to 153' - 8	None	73.99	2.08	None

Bear Trap Hole No. 8

Description of core:

Feet	
0.0-120.0	No core
12.0-136.3	Bluish-grey kaolinized flow breccia, oxidized rusty seams in the first 25'. Seams of spar at 12' 26', 117', 119', 121' and 135'. 4" quartzite at 84', Core loss 5'.
136.3-138.6	Hanging wall flow breccia with some silicification and a couple small seams spar. Sampled.
138.6-141.6	Hanging wall flow breccia but with considerable silicification and several small seams of spar. Some kaolin along joints. Sampled.
141.6-146.2	Spar vein of good grade. Sampled
146.2-151.8	Footwall rock with many small stringers spar. Sampled.
151.80169.0	Bluish-grey flow breccia with many small seams.
169.0-171.5	Silicified hanging-wall rock with a few small seams of spar. Sampled.
171.5-175.0	Good grade of spar. Sampled.
175.0-177.0	Footwall rock with some spar and silicification. Sampled.
177.0-194.7	Light-grey flow breccia, partly silicified, with small seams of SiO2 and spar.
194.7-199.2	Silicious country rock with many small stringers and seams of spar. Sampled.
199.2-234.0	Light-grey to freenish-flow breccia which grades gradually into agglomerate. Core loss 4'.
234.0-246.0	Light-greenish agglomerate which is very coarse around 260'. 2" seams SiO2 at 294'. Some of the agglomerate shows flow lines. Core loss 10'.
346.0-363.0	Light-grey flow breccia with the same greenish fragments noted in B.T. No. 5 hole at 185'-198'.
363.0-393.0	Light-grey flow breccia with indistince flow lines. Core loss of 7-1/2' from 383'-393' run, which may represent trace of South Bein expected to dome in about 360'. Sampled. °Core loss 8' in all.
393.0-430.0	Dark-grey partly kaolinized flow breccia. Core loss 8'. Core recovery: 89.1%

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

DMEA

April 29, 1953

Mr. Keith Medill, Manager
Fluorspar Mines, Inc.
Challis, Idaho

Re: New application
Fluorspar Mines, Inc.
Crystal Claims
Lemhi County, Idaho

Dear Keith:

In accordance with our telephone conversation today, we are returning for signature the J. R. Simplot application for DMEA assistance to explore the Crystal claims in the Gravel Range Mining District, Lemhi County, Idaho. To save time, please return 1 copy to this office and mail the original and two copies to

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

It would be appreciated if you would send us a copy of your transmittal letter when submitting your application to Mr. Selfridge.

An Owner's Consent to Lien will be required and 6 copies of form MF-203 are enclosed. These should accompany your application to Washington, but can follow at a later date if time is required to obtain signatures.

I plan to visit your property some time during the week beginning May 3. I would like to look over the drill core upon which this application is mainly based and see some of the pits exposing the North vein.

It is my understanding that the proposed diamond drilling amendment on Contract Ida-8347 will not have to be approved in Washington but can be handled by the Field Team, Region II. As soon as we receive your comments on the Field Team's letter of April 24, we can proceed with the amendment.

I am looking forward to visiting you during the early part of the week of May 3.

Yours truly,

Howard B. Nickelson
For: A. E. Weissenborn
Executive Officer, DMRA
Field Team, Region II

Enclosures

cc: J. R. Simplot, Boise, Idaho, w/enclosures as above

DMRA (2)
UMRM (2) w/enclid cy of appl.
Nickelson

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

April 24, 1953

Mr. Keith Madill
Challis,
Idaho

Re: Docket No. DMEA-2396 (Fluorspar)
J. R. Simplot Co.
Chamac Mine
Lemhi County, Idaho
Contract Idm-E347

Dear Keith:

I am very sorry to hear about your mill burning and hope it wasn't a total loss.

We have your letter of April 13 requesting an amendment on Contract Idm-E347 for diverting funds from drifting to 600 feet of diamond drilling at $6.00 per foot.

After studying the proposal the Field Team suggests omitting Holes No. 1 and No. 2 and drilling two up holes 160 feet southeast of the drift in the crosscut. The details of the four holes are listed below.

Hole No. 1

Location:	In crosscut 160 feet southeast of the drift.
Bearing:	N. 50° W.
Dip:	+ 45 to +50°
Length of the hole:	180 feet
Reason:	The purpose of this hole is to help determine if the fluorspar outcrop on the surface extends downward to the vein-drill hole intersection. It will also give information about the upward extension of the vein exposed by the project drift at the crosscut. The hole will explore the hanging wall structure beyond the vein followed in the drift at the vein-drill hole intersection.

Hole No. 2

Location:	In the crosscut 160 feet southwest of the drift.
Bearing:	Between N. 21° W. and N. 28° W.
Dip:	33°
Length of the hole:	185 feet

Reason: Hole No. 2 will help determine if the fluorspar outcrop on the surface extends to the vein-drill hole intersection. If Hole No. 1 and Hole No. 2 are successful a strike length of ore can be assumed between the vein-drill hole intersections. From this information mining development can be planned.

Hole No. 3

Location: Face of the crosscut from the southeast drift.
Bearing: N. 50° W.
Dip: 0° to +5°
Length of the hole: 110 feet
Reason: Hole No. 3 will take the place of a crosscut to explore for possible fluorspar mineralization in the hanging wall of the Bear Paw structure.

Hole No. 4

Location: Vicinity of the face in the crosscut from the southeast drift.
Bearing: S. 50° E.
Dip: Between 45° and 60° in order to intersect the vein exposed in the drift between 50 and 100 feet below the adit level.
Length of the hole: 125 feet
Reason: Hole No. 4 will explore for the top of the ore reported in the drill hole through section CC' of the application which isn't exposed in the project drift.

The Field Team hopes this proposal will meet with your approval. Please write or phone your decision on this proposal so the amendment can be put into effect. If you have any suggestions or alterations on the proposal, please inform us in writing.

Sincerely yours,

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

cc: DMEA (2)
USBM (2)
Nickelson

J. R. SIMPLOT COMPANY
GENERAL OFFICES
CONTINENTAL BANK BUILDING
BOISE, IDAHO

Challis, Idaho
April 13, 1953

U. S. Geological Survey
South 157 Howard Street
Spokane 4, Washington

Attention: Mr. Kilsgaard or Mr. Nickelson

Gentlemen:

At the suggestion of your D.M.E.A. field team (Mr. Nickelson and Mr. Johnson), we hereby request that our contract, No. Idm 347-Fluorspar, be so ammended that funds may be diverted to cover a maximum of 600 feet of diamond drilling. The proposed drilling is as follows:

1. One hole to be drilled horizontally from the face of the adit for a maximum distance of 125 feet. The purpose of this hole being to determine that the entire structure has been traversed, and that a local flattening of dip has not occurred. If the above hole is successful further drilling will be held in abeyance until the structure has been explored by crosscutting and drifting.

2. If No. 1 hole is unsuccessful, No. 2. hole is to be drilled from the turn on the No. 1 East drift, at 130 feet east of the adit. This hole to be drilled Northerly at an angle of 45 degrees above the horizontal, and to have a maximum depth of 225 feet. The purpose of No. 2 hole being to explore the Bear Trap structure between the outcrop and the adit level.

3. Depending upon results from the foregoing holes, No. 3 hole would be drilled horizontally for a distance not to exceed 125 feet from the face of the West crosscut. The purpose of this hole being to explore the Westward extensions of structures traversed by the adit.

4. Also depending on results gained from previous drilling, No. 4 hole to be drilled downward at an, as yet, undetermined angle southward from the face of the West crosscut. The maximum depth of this hole would be 125 feet. The purpose of this hole is to explore the structure below the adit level.

The following is the estimated cost of the above program:

Preparation of 3 diamond drill stations @ $50.00 each	$ 150.00
Diamond Drilling (see bid) 600 feet @ $4.50/ft	2,700.00
30 days compressor rental with part time maintenance man	450.00
Engineering, supervision, and office (30 days @ $10.00/day).	300.00
Total	$3,600.00

$\frac{\$3,600}{600}$ = $6.00 per foot unit cost.

Contingency: 150 feet of reaming and cementing at $2.00 per foot = $300.00.

Very truly yours,

J. R. SIMPLOT COMPANY

PHOSPHATE DIVISION

Keith Madill, Mgr.

cc: U.S. Bureau of Mines
1201 North Division Street
Spokane 2, Washington

Robert I. Troxell
J. R. Simplot Company
Continental Bank Building
Boise, Idaho

Nichols & Thompson Core Drilling Co., Inc.
Route 9 • Boise, Idaho
Phone 6285-J, 4-1164

April 8, 1953

Mr. Keith Madill
J. R. Simplot Co.
Fluorspar Mines
Challis, Idaho

Dear Keith:

As we discussed in our recent conversation, I am quoting the following prices, for core drilling at your Fluorspar properties at Meyers Cove.

UNDERGROUND
600 linear ft. of core drilling
AX size drilling $4.50 per linear ft.
Reaming or cementing 2.00 " " "

Should it become necessary to drill BX size to obtain the best possible results, the larger size will be the same figure per foot as stated above.

The air and water will be furnished by your company.

Very truly yours,

NICHOLS & THOMPSON CORE DRILLING CO. INC.

By James L. Thompson

James L. Thompson

4/23/53 gla

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

Dm Ea 2396 ~~2841~~

April 17, 1953

J. R. Simplot Company
Continental Bank Building
Boise, Idaho

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
APR 20 1953

Gentlemen:

Mr. Keith Medill called this office from Challis, Idaho, on April 17, 1953, stating that he had prepared an application for additional DMEA exploration on the Chamac fluorspar property, Lemhi County, Idaho. Mr. Medill also stated that he had been unable to obtain the appropriate Consent to Lien Agreement from Mr. Chambers and, therefore, wondered if a Guaranty Agreement could not be negotiated which would serve in lieu of the Consent to Lien Agreement. He was informed that a Guaranty, signed by the applicant and presented to this office, would be forwarded to Washington, D. C., where, in our opinion, it would be accepted by the Government.

Mr. Medill asked us to forward the enclosed copies of a Guaranty to your office for signature. He stated that he would mail the application he had prepared direct from Challis and asked us to attach the signed Guaranty Agreement to the application upon receipt.

If the enclosed Guaranty meets with your approval, please sign all copies and return them to this office.

Sincerely yours

Thor Kiilsgaard
For: A. E. Weissenborn
Executive Officer, DMEA
Field Team, Region II

Enclosures
cc: Keith Medill
Challis, Idaho

DMEA (2)
USBM (2)
Vhay

BD

Wash

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
APR 27 1953

1201 N. Division St.
Spokane 2, Washington
April 10, 1953

MEMORANDUM

To: DMEA Field Team, Region II

From: Howard B. Nickelson, Geologist, Geological Survey
Verdo Z. Johnson, Mining Engineer, Bureau of Mines

Subject: Inspection, J. R. Simplot Co., Meyers Cove Project, Lemhi County, Idaho, Contract Idm-E347, Docket No. DMEA 2396 (Fluorspar)

The inspection was made April 2, 1953, by Howard Nickelson, geologist, U. S. Geological Survey, and V. Z. Johnson, mining engineer, U. S. Bureau of Mines, with Mr. Don Ferguson, assistant manager of the mine.

Raises from No. 1 Drift North and No. 2 Drift North had advanced 10 feet and 12 feet respectively since our visit of February 5, 1953. These raises were of about 5x9' cross section along a plus 55°-60° incline.

Excellent advance of 173 feet during the period was made in a southwest drift from about 347 feet in the crosscut adit, then crosscutting northwest for 68 feet. The average cross section of drift and crosscut is 7x8'.

Total units of adit, drift, and raise to date are 1245 with all working places untimbered.

Drifting during the period apparently proved No. 1 vein to be the major structure in this area as shown by geologic features on attached map. Although the amount of fluorite is discouragingly small, the vein has a few rich spots and warrants further drifting southwest. The northwest crosscut has not exposed fluorite veins to be economically mined at current prices; and the raises were not encouraging - the fluorite lenses were too thin.

Sample No. V.J. 25 was taken on the S.W. end of the raise from No. 2 vein about 6 feet up, across 1½ foot width. Samples V.J. 23 and 24 were taken at 93 and 180 feet respectively - widths were 1 foot.

The Operator's records indicate 200 dry tons of about 25% CaF_2 has been mined from the DMEA zone as of April 1, 1953. //

There are now about 440 units of adit-drift-raise remaining under this contract. The inspecting party is in accord with the suggestion of Mr. Keith Madill to amend the contract to allow 600 feet of diamond drilling at about $6.00 per foot as the most feasible means of exhausting exploratory possibilities in this zone. As proposed by Mr. Madill and recommended by the inspecting party, about 112 units of adit-drift-raise at $31.50 would be changed to 600 units diamond drilling at $6.00 per foot. There would be one hole drilled from the present face of the adit 75 feet, N. 49° W., inclination plus 30° - 45°; a second hole would be drilled from about 145 feet in the north drift on No. 1 vein in a north 49° W. direction 150 feet, with inclination plus 45° - 60°; and a third hole from the southwest drift on No. 1 vein at 180 feet, drilled N. 49° W., inclined 0 - 10° plus 140 to 300 feet - depending on findings in the two preceding holes.

This proposal provides a means of probing lenses which may be above and beyond the completed exploration. Upper Bear Trap workings expose features indicating that No. 2 drift would be overlain by lenses of ore.

A 2-shift, round-in-round-out cycle, using jumbo mounted long shell leyners, Eimco No. 3 mucker, 30 cu. ft. cars, tram-air locomotive with consistent grade, good track and ventilating tube near working faces accounts for better advance by two men per shift than is currently made at other projects in the area.

The workmanship is satisfactory, and the Operator's costs are probably about equal to the unit price - $31.50 per foot.

V. Z. Johnson

V. Z. Johnson

H B Nickelson

H. B. Nickelson

Orig. & 3 cys - Wash. ✓
USGS (2)
DMEA
M/D
Nickelson
VZJ/he

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration

MAR 19 1953

March 16, 1953

Memorandum

To: DMEA Field Team, Region II

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

Subject: Docket No. DMEA-2396 (Fluorspar), Inspection, J. R. Simplot Company, Chamac Mine, Lemhi County, Idaho, Contract Idm-E347

The Bear Trap adit of the Chamac Mine was visited by Howard Nickelson and Wayne Roberts, geologist, U. S. Geological Survey on the afternoon of February 27 and the morning of February 28, 1953. Mr. K. Madill, manager, accompanied us on the inspection.

ADVANCE SINCE FEBRUARY 5, 1953

The advance since the last inspection trip of February 5, 1953 has been 242 feet in Drift No. 1 North, making a total advance of about 362 feet. A raise started 35 feet from the crosscut in Drift No. 1 North was advanced 6 feet above the drift at about 45° incline. Another raise started 25 feet from the crosscut on Drift No. 2 North was advanced 16 feet above the drift at about 55° incline. (See attached map)

DESCRIPTION AND RECOMMENDATION ON DRIFT NO. 1 NORTH

Mr. Keith Madill was advised verbally on the last inspection trip on February 5 to continue to follow the structure he was on at that time until it became evident the structure diminished or the strike of the structure was away from the projected Bear Trap vein. The examining team then recommended a crosscut to the northwest to intersect other strands of the Bear Trap vein.

For this reason the drift was turned away from the structure to the northwest for a distance of 242 feet. No important mineralization was encountered. Several small veinlet and blebs of fluorspar was encountered on small fractures in the first 70 feet of crosscut, but they are certainly minor.

Mr. Madill plans on no more work in this crosscut, and does not plan to follow the structure in the drift at the present time.

The field examiners reviewed the information available in the company office from drill hole logs and surface cuts. The two drill holes drilled northeast of the Bear Trap adit failed to intersect commercial fluorspar, but it is believed the Bear Trap structure was encountered.

The first hole to the northeast intersects the vein about 70 feet north of the crosscut and 100 feet below the adit level and is barren of commercial fluorspar. The second hole approximately 240 feet northeast of the crosscut and about 40 feet above the adit level, intersects the Bear Trap structure, but was barren of commercial fluorspar. (See the attached map)

Although the drill holes are barren of ore, the surface cuts on the vein show commercial fluorspar between the two drill holes.

From the above information either a raise must be driven along the Bear Trap structure in this area or more diamond drill holes drilled from the surface to determine the depth of the ore showings on the surface. The length of a raise driven from the adit level would have to be approximately 300 to 350 feet in length along the dip of the vein to hole to the surface.

The raise started from the structure in Drift No. 1 North is a good exploration project even though it is not located far enough to the northeast. The raise is now in 2 to 4 feet of low-grade fluorspar and if this ore continues up an intermediate drift could be driven off the raise to the northeast along the structure to explore for the ore exposed on the surface. No more work is planned for this raise until the south drift is driven.

PROPOSED WORK

The examining team recommended driving a drift south (Drift No. 3 South) from the crosscut opposite No. 1 Drift North along the structure found in No. 1 Drift North. The drift will begin on three feet of 58 percent CaF_2.

The diamond drill holes under this proposed working showed good ore, although the surface indications were none too favorable. The first drill hole to the southwest about 70 feet from the crosscut intersects good ore 130 to 140 feet below the adit level. The second drill hole to the southwest about 220 feet from the adit intersected ore about 100 feet below the adit.

Three to four days will be required for dead work before drifting can be started on the South Drift No. 3.

The raise in No. 2 Drift North was advanced 16 feet from the back of the drift. From 2 to 6 inches of fluorspar showed in this raise in a 3- to 4-foot breccia zone with numerous cavities partially filled with fluorspar. The vein was very irregular.

Mr. Madill desired to advance this raise another 15 feet because it appeared to be similar to the Bear Trap vein mined in other areas. The examining team allowed Mr. Madill to advance this raise another 15 feet, but was told the Field Team would not recommend payment for further advance unless the structure showed ore of enough value to warrant further exploration.

Enclosures
Dist:
DMEA - Orig & 3
USBM (2)
Docket
Nickelson

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
FEB 2 - 1953

February 9, 1953

Memorandum

To: DMEA Field Team, Region II

From: Wayne A. Roberts and Howard B. Nickelson, Geologists, U. S. Geological Survey and V. Z. Johnson, Mining Engineer, U. S. Bureau of Mines

Subject: Docket No. DMEA-2396 (fluorspar), Interim report, J. R. Simplot Co., Chamac Mine, Lemhi County, Idaho, Contract Idm-E347

The Bear Trap adit of the Chamac mine was visited by Wayne A. Roberts, Howard B. Nickelson, geologists, U. S. Geological Survey, and V. Z. Johnson, engineer, U. S. Bureau of Mines on the afternoon of February 4, 1953. The representatives were accompanied by the mine operator, Mr. K. Madill.

Description and Recommendations on "A" drift

"A" drift has been advanced 136 feet from the northeast side of the crosscut. 3 to 4 feet of 25 percent CaF_2 was drifted on for a distance of 40 to 45 feet from the northeast side of the crosscut. The walls are fractured and bleached beyond the sides of the drift. The general dip in this area is 40° to 50°. In the following 30 feet of drift the bleached area and the vein narrows down to 2 to 3 feet.

The remainder of the vein exposed by the drift consists of small fluorite stringers in a fracture zone. A $1\frac{1}{2}$-foot check sample cut by V. Z. Johnson at the intersection of "A" drift and the Beartrap crosscut contained 40 percent fluorite. The grade of the vein in the remainder of the drift has decreased to 20 to 25 percent CaF_2 which, according to the operator, is too low-grade to mill.

It was recommended that the Operators follow this vein unless the strike of the vein swings to a position about parallel to the Beartrap vein. If this happens and no ore grade material is encountered in this vein, it was recommended that a crosscut to

to the northwest to intersect the projected position of the Beartrap vein be started.

The Beartrap vein appears to have split into many small stringers northeast of the Beartrap crosscut. It is believed that the "A" drift is on one of these splits. The "A" drift is in the footwall of the projected Beartrap vein. This has been discussed with Mr. Madill.

Description and Recommendation on #2 drift

The structure narrowed and finally pinched out at about 45 feet. A long hole was drilled into the east wall and 47 percent fluorite was encountered. A drift was driven to the fluorite, but the body was small and crescent shaped. No more work is planned in this heading.

No. 2 drift may be on one of the splits from the Beartrap vein.

Both "A" and #2 drifts are untimbered and average about 9 by 8 feet in cross section.

Trouble was encountered taking Brunton bearings. They will be corrected when the Operator's transit survey is completed. The map with the uncorrected bearings is submitted with this report.

Royalties

Some fluorite-bearing rock from "A" drift has been processed through the mill and Mr. Madill discussed the payment of royalties. He was informed the rate of payment was based on net smelter returns. It was suggested he submit a sample form to the Field Team which he said he would do. Records of the weights, grade, and milling recovery are available.

No difficulty should be encountered on computing royalties because the records should be complete. The trucks of ore from the DMEA project will be weighed and samples will be taken from the loads.

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

FILE COPY
SURNAME:

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

DMEA 2396

J. R. Simplot Company
212 Continental Bank Building
Boise, Idaho

Gentlemen:

J.C. 2/3/53

As requested in your telegram dated February 2, 1953, we are sending to you by airmail 25 copies of MF-103 (Revised).

DMEA form, MF-100, is now obsolete.

Sincerely yours,

Fred W. Murkland

Fred W. Murkland
Information Officer

Enclosures 25

FWMurkland:ds
February 2, 1953

CC:: ADMR. Reading File
Mails and Files
F. W. Murkland

CLASS OF SERVICE

This is a full-rate Telegram or Cablegram unless its deferred character is indicated by a suitable symbol above or preceding the address.

WESTERN UNION

W. P. MARSHALL, PRESIDENT

1201

.02)

SYMBOLS

DL=Day Letter

NL=Night Letter

LT=Int'l Letter Telegram

VLT=Int'l Victory Ltr.

The filing time shown in the date-line on telegrams and day letters is STANDARD TIME at point of origin. Time of receipt is STANDARD TIME at point of destination

1953 FEB 2 PM 12 03

WP027 PD=BOISE IDA 2 942A=

=DEFENSE MINERALS EXPLORATION ADMN=

DEPT OF INTERIOR=

Docket Dmca 2396

:PLEASE SEND BY AIRMAIL TWENTY FIVE COPIES EACH OF FORMS MF-100 AND MF-103=

J R SIMPLOT CO 212 CONTL BANK BLDG=

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
FEB 2 1953

=MF-100 MF-103 212=(

THE COMPANY WILL APPRECIATE SUGGESTIONS FROM ITS PATRONS CONCERNING ITS SERVICE

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

January 22, 1953

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
FEB 3 1953

MEMORANDUM

To: DMEA Field Team, Region II

From: Wayne A. Roberts, Geologist
U. S. Geological Survey

Subject: Interim Report, Docket No. DMEA 2396 (Fluorspar)
J. R. Simplot Co., Chamac Mine, Lemhi Co., Idaho.
Exploration Project Contract Idm-E347

SUMMARY, CONCLUSIONS, AND RECOMMENDATIONS

Since the underground crosscutting was begun in September 1952, about 596 feet of crosscutting was completed at the time of the field examination on January 12, 1953. What appears to be the Bear Trap vein (based on previous diamond drilling) at this level is marked as "B" on the enclosed map. This vein contains about 6 inches of fluorspar.

It was recommended to the Operator that drifting to the north begin at the 3-foot vein (marked "A" on the enclosed map) of 58.8 per cent CoF_2 that was intersected about 55 feet toward the portal from the Bear Trap vein. This vein "A" is probably the well silicified zone that is shown as a split from the Bear Trap vein on maps made by the Aluminum Company of America now in the possession of the J. R. Simplot Co. It appears at the level of the crosscut that, what has been called the Bear Trap vein "B", may be the split and that the Bear Trap vein has swung in strike to about north so that "A" is the ore-bearing zone. Vein "A" and vein "B" should intersect about 140 feet to the north. If vein "B" is of ore grade and width at this intersection, then drifting to the southwest along vein "B" could be done.

GEOLOGY AND PROGRESS

The fluorspar occurs with some pyrite and silica as pods, apparently deposited in openings, in bleached and altered volcanic rocks. Clay or gouge usually accompanies the fluorite. One specimen

of fluorite showed at least seven and probably eight periods of fluorite deposition, including one period of a cryptocrystalline variety of fluorspar, and three periods of pyrite deposition.

The crosscutting has been extended about 150 feet into unbleached volcanic breccia. The unbleached rocks have thus far been unproductive in the Meyers Cove Area. Faults and fractures intersected by the crosscut are narrow and contain little fluorite. For this and other reasons discussed, it was recommended that the drifting be done on Vein "A" where the structure is strong, ore-bearing and easily followed.

The enclosed map was copied from maps made by Don Ferguson of Fluorspar Mines, Inc. Only slight modifications of the geology were made.

Wayne A. Roberts

Wayne A. Roberts
Geologist

Enclosure 1
Distribution:
DMEA(Orig & 3)
USBM(2)
Docket
Roberts

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

~~WASHINGTON 25, D.C.~~

1201 N. Division St.
Spokane 2, Washington
January 20, 1953

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
FEB 3 1953

MEMORANDUM

To: DMEA Field Team, Region II

From: V. Z. Johnson, Mining Engineer, Bureau of Mines

Subject: Inspection, J. R. Simplot Co., Meyers Cove Project, Lemhi County, Idaho, Contract Idm-E347, Docket No. DMEA 2396 (fluorspar)

The inspection was made with Mr. Lewis, shift boss, on January 6, 1953.

The project adit had advanced 177 feet since the last inspection on November 26, 1952. Arched 8x6 cross section stands untimbered. Total length of adit is now 598 feet. About 12 feet of drift has been completed northward from about 348 feet in the adit. The adit has been driven very straight on about N. 50° W. bearing. At about 584 feet in the adit, vein material striking about N. 20° W. is encountered which is similar to a so-called North Vein worked in another part of the mine. Sample No. V.J. #21 was taken across 10 in. of this material. The Operator may choose to drift northward along this vein to intersect the Bear Trap vein which is proving to be further northwest than was anticipated. The Operator's narrative of December 4 regarding November's work states that 3.5 feet on the vein at 357 ft. from the portal assayed 58.8 percent CaF_2 and that a car sample through a 19-foot advance assayed 19 percent CaF_2. Northward drifting on this vein starts at about 348 feet from the portal.

At the date of this inspection, about 70 tons of ore had been removed from the DMEA adit. An ore bin of 75 tons capacity has been completed, and the above mentioned narrative by the Operator's superintendent indicates a study of royalty repayments to the Government. Sorting and separate blasting are practiced throughout the mine and will be applied to exploration headings.

The drifts and adit are now worked on a 2 shift basis, three men per shift. Five to 6 feet advance per shift is generally maintained. The workmanship is satisfactory and the operation is efficient.

V. Z. Johnson

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

2396

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JAN 5 1953

December 22, 1952

MEMORANDUM

To: DMEA Field Team, Region II

From: Verdo Z. Johnson, Mining Engineer, U. S. Bureau of Mines

Subject: Inspection J. R. Simplot Co., Meyers Cove Project, Lemhi County, Idaho, Contract Idm-E347, Docket No. DMEA 2396 (Fluorspar)

The inspection was made in company with Mr. Don Ferguson, assistant superintendent, on November 26, 1952.

The adit had advanced 207 feet since the last inspection on October 24, 1952. Total advance is now 421 feet and it is anticipated that the target, the Bear Trap, vein will soon be encountered. U. S. Bureau of Mines spad No. 192 was placed at 292.5 feet.

Continuous straight alignment, constant + 1½ percent grade, and arched 8 x 6 foot cross section with no timbering required are favorable for routine tunneling. Two men muck, tram, drill and blast six to seven foot rounds every workday. The tram will now require a third man for the plus 400 feet distance.

Equipment consists of a water leyner mounted on a four foot shell used with an improvised hydraulic controlled jumbo mounted on a small timber truck. Mucker is the smaller EIMCO. Ventilation tubing is carried to within 30 feet of the face.

A vein crossing the adit at about 349' is believed to be split from the Bear Trap vein. A two-foot sample No. V.J. 20 was taken on the S.E. face of this vein.

Although the ground was almost bare of snow the steep access road required chains to get over steep icy stretches.

The efficient operators' actual costs to date are probably less in this remote area than the $31.50 per foot which is the basis of unit cost contract. The workmanship is satisfactory.

Verdo Z. Johnson

Verdo Z. Johnson

CC: 3-Wash
2-USGS
DMEA
VZJ, M/D, D/V

J. R. SIMPLOT PROJECT, MEYERS COVE
IDAHO
LOOKING SOUTH WEST

The building houses a 315 cu. ft. Worthington Compressor, Shop and change room. Timbers are for ore bin under construction below tree at left.

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

1201 North Division Street
Spokane 2, Washington

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
NOV 17 1952

November 6, 1952

MEMORANDUM

To: DMEA Field Team, Region II

From: V. Z. Johnson, Mining Engineer, Bureau of Mines

Subject: Inspection of J. R. Simplot Company exploration, Meyers Cove, Lemhi County, Idaho, Contract Idm-E347, Docket No. DMEA 2396 (Fluorspar)

The inspection was made October 24, 1952 with Mr. Keith Medill, manager.

Three sets of timbers to support the portal brow and 210 feet of adit advance on 8 x 8 cross section had been completed since Mr. Holt's inspection on September 24, 1952. Advance of 220 - 250 feet monthly is anticipated by the Operator. Workmanship is satisfactory - arched back eliminates timbering.

At 186 - 194 feet in the adit a broken zone was crossed which is nearly normal to the N. 50° W. trend of the adit. The zone has oxidation stains and some fluorspar was encountered.

Compressor and shop are housed for winter operation.

V Z Johnson

V. Z. Johnson

Orig. & 3 - Wash.
USGS - 2
DMEA
M/D
VZJ/vf

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

1201 N. Division St.
Spokane 2, Washington

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT 6 '52

Mr Robertson

September 24, 1952

MEMORANDUM

To: DMEA Field Team, Region II

From: Dean C. Holt, Mining Engineer, Bureau of Mines

Subject: Interim Report, J. R. Simplot Company, exploration project, Lemhi County, Idaho, Contract Idm-E347, Docket No. DMEA 2396 (Fluorspar)

The subject inspection was made August 25, 1952, in company with Don Ferguson, Assistant Manager.

On the date of the inspection a crew of 3 men were engaged in construction of the access road to the portal site as specified under the contract. The operator has found it necessary to keep a compressor and a miner standing by during the bulldozing in order to drill the hard rock as it is exposed. The bulldozer crew had spent 36 hours on the road at the time of the inspection.

The crew had completed 700 feet of road construction prior to the inspection and the operator expects to have the remaining 400 feet of roadwork finished by August 30, 1952. It is my opinion that the road construction can be considered allowable for the month of August.

The rock work on the road has taken more time than was originally estimated by the operator.

Invoicing procedure and monthly progress reports were discussed in detail with the operator.

Dean C. Holt

CC: 3-Wash.
2-USGS
DMEA
DCH
M/D

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

1201 N. Division St.
Spokane 2, Wash.
August 28, 1952

DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration
SEP 2 1952

MEMORANDUM

To: Chairman, Operating Committee, DMEA, Washington, D. C.

From: Acting Executive Officer, DMEA Field Team, Region II

Subject: Amendment No. 1 to exploration project contract Idm-E347, Docket No. DMEA 2396 (fluorspar), J. R. Simplot Co., Lemhi County, Idaho

Transmitted herewith are the original and two copies of the captioned amendment together with two copies of a memo of justification prepared by a representative of the Field Team.

M. E. Volin, Acting Exec. Officer

Enclosure

cc: USGS, Spokane

RECEIVED
SEP 8 1952
GENERAL COUNSEL
DEFENSE MINERALS
ADMINISTRATION

9-9-52

M. E. Volin, Member, DMEA Field Team, Region II August 7, 1952

T. E. Howard, Mining Engineer, Bureau of Mines, Region II

Initial inspection, J. R. Simplot Company exploration project, Lemhi County, Idaho, Contract Idm-E347, Docket No. DMEA 2396 (Fluorspar)

The subject inspection was made July 28, 1952, in company with Keith Medill, local manager.

Only preparatory work had been done prior to the date of the inspection. The road to provide access to the proposed adit portal site had been laid out and some items of equipment ordered. Excavation for the road and portal site is scheduled to begin Friday or Saturday, July 31 or August 1. As the road survey was made within the starting time limit specified in the contract, work under the contract can be considered to have started on time. Medill stated that the delay in starting construction was caused by the failure of the Boise office of the company to notify of the final acceptance of the contract. He stated that he is confident of finishing the work within the specified time even with the delay, if adequate labor can be obtained. Underground labor is scarce in the area at the present time.

The proposed portal site and the access route were examined. Both will require considerable rock work and the estimated costs listed in the contract are considered reasonable. However, the manner in which the Operator is to be reimbursed for the Government's share of these costs is not clear.

Exhibit "A" of the contract states that the Government will participate in the cost of drifting, raising and winzing on the basis of an agreed unit cost of $31.50 per foot in lieu of actual costs, but will contribute to the other costs of the project on the basis of actual costs. The cost of road construction and portal preparation are shown under "Labor, Supervision and Consultants" as lump sum estimates with the note that the estimates include all costs. Yet under "Operating Equipment" no provision is made for the use of equipment which will obviously be needed for this work.

Therefore, it appears that the contract will have to be amended, either to allow the Operator to charge depreciation on the equipment he uses for this work, or to put the road-building and portal preparation on a unit contract basis.

As the latter alternative appears to be the intent of the contract it is recommended that the contract be amended to provide for Government contribution to the costs of these items of work on the basis of the estimated unit costs specified in lieu of actual costs.

It is further recommended that the contract be put on "on-site-audit" and the requirement for documentary support of the Form MF-104 waived. The project is being carried on in conjunction with production activities and the Operator will be unable to supply the necessary supporting documents with his monthly operating report.

T. E. Howard

CC: 2-Wash.
2-USGS

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

So. 157 Howard Street
Spokane 4, Washington

July 23, 1952

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUL 28 1952

Mr. H. Hulon Lee, Finance Officer
U. S. Bureau of Mines
Albany, Oregon

Dear Mr. Lee:

In accordance with instructions received in a letter from Mr. Frank L. Johnson, Acting Administrator, DMSA, dated July 14, 1952, we are enclosing your copy of Contract Idr-2347, Docket No. MMA 2376, on the J. R. Simplot Company.

It is our understanding that your copy of the contract will be distributed by the Executive Officer; this change to be covered in a DMSA circular which is to be issued shortly.

Sincerely yours,

A. L. Weissenborn
Executive Officer, DMSA
Field Team, Region II

Enclosure

cc: DMSA, Spokane
DMSA (2)

FILE COPY
SURNAME:

200

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

Mr. A. E. Weissenborn
Executive Officer
Region II
South 157 Howard Street
Spokane 8, Washington

Dear Mr. Weissenborn:

There is transmitted herewith the Finance Office's copy of contract Idm-E347, Docket No. DMEA 2396, on the J. R. Simplot Company.

Ordinarily this copy of the contract would be transmitted by the Bureau of Mines Fiscal Office, however, in accordance with a new circular being prepared, the Finance Officer's copy will be distributed by the Executive Officer at the time a copy is retained for his files, and a copy forwarded to the operator.

The DMEA circular covering this change will be issued shortly.

Sincerely yours,

(signed) FRANK E. JOHNSON

Frank E. Johnson
Acting Administrator
Defense Minerals Exploration
Administration

Enclosure

7-17-52
READams/meb
cc to: Adm.Reading File
Mails & Files Br.

FILE COPY
SURNAME:

Robertson

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C. 600

Mr. James E. Hill
Mineral Technology Division
Region VIII, Bureau of Mines
Bluemont, Virginia

Subject: Meyers Cove Fluorite
Lemhi County, Idaho
Re: Return of maps and papers

DMEu 2396

Dear Mr. Hill:

Thanks for the use of the following list of documents from Mount Weather Technical Files and which we now return herewith.

80.7676 Meyers Cove Fluorite, Lemhi County, Idaho
Supplemental Report March 15, 1944, one original copy with maps.

80.7676 One set of seven pictures, Project 2009, Meyers Cove Fluorite

80.7676 Three maps - Figures 1, 2 and 3 from Supplemental Report, edition of March 1945.

War Minerals Report 145 and 460.

Sincerely yours,

Lawrence G. Houk, Chief
Non-Metallic Minerals Division
Defense Minerals Exploration
Administration

Enclosures

JTRobertson:mp 7/16/52
cc: Mr. Robertson
Mr. Houk
Docket File

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

July 9, 1952

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

Re: Docket No. DMEA-2396, Idm-E347
J. R. Simplot Company
Boise, Idaho

Dear Sir:

Enclosed are the original and three signed copies of Contract Idm-E347 pertaining to the Chamac mine, Myers Cove, Lemhi County, Idaho. One copy has been retained by the operator and one for the files of this office.

In our letter to the applicant forwarding the contracts for signature, we requested that he indicate in Article 3 of the contract the number of days from the date of the contract in which work will be started. The applicant has indicated a period of 25 days and has inked in this notation on all copies of the contract.

Sincerely,

Thor H. Kiilsgaard
For: A. E. Weissenborn
Executive Officer, DMEA
Field Team, Region II

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUL 14 1952

Enclosures

cc: USBM, Spokane

SDS
7-16-52

Dmea - 2386

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

So. 157 Howard Street
Spokane [illegible], Washington

July [illegible], 1952

Mr. [illegible]
Executive Vice President
J. R. Simplot Company
Continental Bank Building
Boise, Idaho

Dear Mr. [illegible]:

This will acknowledge receipt of [illegible] copies of DMA Contract [illegible]-347, pertaining to the [illegible] mine, [illegible] County, Idaho.

Sincerely,

[illegible]
[illegible]
Executive Officer, [illegible]
[illegible]

cc: [illegible] ✓

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration

JUL 14 1952

Code 600

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

[illegible]

[illegible]

Dmea 2396

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUN 30 1952

[illegible]

Gentlemen:

Enclosed herewith are the copies of the application contained for the Minnie Moore mineral [illegible], [illegible] County, Idaho. Will you have the appropriate official of the company sign all copies and return the original and one copy to us? Please also indicate the intended [illegible] the number of days thereafter date of the contract on which work will be started.

The terms of this contract are that the stated allowed for sampling and sampling of 250 [illegible] are to be adequate. However, the amount that would be involved are so small compared to the total amount of the contract that it is [illegible] that you would prefer to change whatever additional sampling and [illegible] costs are required rather than enter into the delays that would be occasioned by [illegible] it back to Washington.

[illegible] the contract to this office at your earliest convenience and advise us of the date on which you intend to start work.

Sincerely yours,

[illegible]
Executive Officer,
[illegible]

Enclosure

cc: [illegible]
[illegible]

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION
WASHINGTON

June 13, 1952

Memorandum

To: Executive Officer, Region II

From: DMEA Operating Committee

Subject: DMEA-2396, J. R. Simplot Co., Chamac Mine, Lemhi County, Idaho (Fluorspar).

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.

FILE COPY
SURNAME:

Robertson
Hook
Talbot
Coffland

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

600
JUN 17 1952

Mr. A. E. Weissenborn
Executive Officer
DMEA Field Team, Region II
South 157 Howard Street
Spokane 8, Washington

Subject: Docket No. DMEA-2396 - Fluorspar
Chamas Mine
Meyers Cove
Lemhi County, Idaho

Dear Mr. Weissenborn:

Please find herewith the original and five copies of a contract covering the subject exploration project which have been signed by this office for the Government with register number and effective date.

If the contract meets with your approval, present it to the Operator for his approval and signature. If any provisions are unsatisfactory to the Operator, return all copies to this office along with suggested changes for consideration.

After signing of the contract, one copy is to be given to the Operator, one copy retained for your files, and the remaining copies, including the original, are to be returned to this office as soon as possible.

A copy of the contract required by the Regional Finance Office will be forwarded directly by the Washington Finance Section.

Sincerely yours,

6/17/52

(signed) FRANK E. JOHNSON (HB) cc

Chairman, Operating Committee
Defense Minerals Exploration
Administration

Enclosures - 6
Approved:

Charles H. Merrill
Member, Bureau of Mines (HB)

D. M. Lemmon
Member, Geological Survey (HB)

JTRobertson:mp 6/11/52
cc: Docket Copy
Adm. Reading File
Operating Committee (2)
Mr. Davis, 3519
Mr. Van Alstine, G-232, GSA Bldg.
Mr. Houk

DMEA-2396
J.R. Simplot Co. Fluorspar

B

112 WA SP /I-GS-G/

SPOKANE 6-6-52 330P

FRANK E. JOHNSONO

CHAIRMAN OPERATING COMMITTEE

DEFENSE MINERALS EXPLORATION ADMINISTGATION

DEPARTMENT OF INTERIOR

WA

LEGAL DIV OF THE INT
Defense Minerals Administration
RECEIVED
JUN 10 1952

GE PHONE CONVERSATION WITH ROBERTSON TODAY CONCERNING VHAMAC FLUOR-SPAR DOCKET 2396, CHRYSTAL CLAIMS, 1, 2, 5, 6, 7, AND 12 RECOGDED BOOK II PAGES 42, 43, 46, 48 AND 53 RESPECTIVELY LEMHI COUNTY RECORDERS OFFICE SALMON, IDAHO MADILL SUPERINTENDENT AT PGOPERTY STATES COMPANY WILL ACCEPT CONTRACT WITH DELETION OF ALLOWANCE FOR COMPRESSOR SHED AND BUNK HOUSE.

A. E. WEISSENBORN, EXECUTIVE OFFICER, DMEA FIELD TEAM REGION II.

2396 1 2 5 6 7 12 II 42 43 46 48 53

VA 332P

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

June 2, 1952

Memorandum

To: Acting Administrator
Through: Lawrence G. Houk

From: Acting Chief Counsel

Subject: Contract Docket No. DMEA-2396, J. R. Simplot Company

There is attached, in satisfactory legal form for execution, a contract covering the above described docket. However, prior to the execution of the contract, the following conditions must be complied with:

1. The property must be further described in an Annex I, referred to under Article 2 of the contract, and attached to the contract (see paragraph 3(c) of Circular 21); and

2. The map, referred to in the description of the work, must be attached to the contract.

You will note that the costs of construction of a compressor and tool house and the construction of a bunkhouse have been deleted from the contract. The reason for this is that the Owner's Consent to Lien is being waived. As section 12 of the Operator's lease prohibits the removal of buildings and structures, waiver of the Owner's Consent to Lien would not be permissable if the contract contained the construction items. (See paragraph 4(b) of DMEA Circular 20).

H. C. Rubin
Acting Chief Counsel

Attachments

FILE COPY
SURNAME:

Robertson
Houk
Davis
Van Alstine

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

600

May 14, 1952

Memorandum

To: Chief Counsel

From: Chief, Nonmetallic Minerals Division, DMEA

Subject: Docket No. DMEA-2396 - Fluorspar
Proposed exploration contract for subject mine
J. R. Simplot Company, Chamac Mine
Meyers Cove, Lemhi County, Idaho

Attached is the docket file for the subject mine together with our outline of contract and "Exhibit A". They are provided for your information in the preparation of a contract for this project.

The project program and estimates have been submitted and resubmitted several times until finally what appears to be a reasonable and satisfactory program, has been agreed upon by Regional Office, Commodity Specialists and our office.

It should be noted that the Owner of claims has refused to sign Owner's Consent to Lien. The Operator will however guarantee.

You may proceed now to draw up the contract on the basis of the program and estimate of costs here submitted.

Lawrence G. Houk, Chief
Nonmetallic Minerals Division
Defense Minerals Exploration
Administration

Attachments - 4
JTRobertson:mp
cc: Docket File
Mr. H. W. Davis, 3519
Mr. R. E. Van Alstine, G-232, GSA Bldg.
Mr. Houk
Mr. Robertson

Docket No. DMEA2396 - Fluorspar
J. R. Simplot Company
Chamao Mine, Meyers Cove

Phone conversation May 12, 1952 - 4:00 P.M.
Mr. Weissenborn's call from Spokane, Washington, to
Mr. J. T. Robertson.

Mr. Weissenborn phoned 4:00 P.M., Monday, May 12, 1952, regarding Meyers Cove Fluorspar Mine, DMEA-2396, Bear Trap Vein Exploration.

He submitted a new proposal of costs in place of the draft of Exhibit "A" costs which I had phoned him 4/17/52 and which totaled $92,100.

He said he had discussed with Operator and had come up with a unit cost proposal which was acceptable to Operator and would be a saving to the Government.

The new estimate of costs Mr. Weissenborn now proposes would be on a unit basis for the adit, drifting, and raises at a rate of $31.50 per foot and the footage would total 1700 feet. The company would take care of its own machinery and equipment. The only other items in which the Government would participate would be:

Road construction - - - - - - - - - -	$1,000
Adit preparation and open cut for portal	1,500
Compressor building & tool house - -	1,500
Bunkhouse - - - - - - - - - - - - - -	2,000
Contingent (extra in case of some timbering in adit & drifts) 250 feet @ $6.50/ft) ($25.00 extra)	1,650
	$7,650
Sampling	200
	7,850
1700 feet (drift, adit, raises) @ $31.50/ft.	53,550
TOTAL - - - - - - - - - - - - - - - -	$61,400

(The total for the project would be $61,400 compared to my preliminary estimate of $92,100. The application originally requested $217,080 for combined Bear Trap Vein and Powder House Vein Exploration).

Docket No. DMA-2396
Fluorspar

Told Mr. Weissenborn that I would go ahead and prepare a draft of contract using his new figures.

We also discussed question of Owners Subordination. Company could not get it, but Simplot Company will give guarantee.

Also discussed claims to be included in land to which Government will have a lien on ore production.

Above main points discussed in phone conversation. Told him to confirm by letter.

Jasper T. Robertson

OFFICE OF THE ADMINISTRATOR

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS ADMINISTRATION

WASHINGTON 25, D. C.

So. 157 Howard Street
Spokane 4, Washington

May 13, 1952

Mr. Jasper T. Robertson
Defense Minerals Exploration Administration
Department of the Interior
Washington 25, D. C.

Through: Operating Committee

Subject: Chamac Fluorspar - DMEA-2396
J. A. Simplot Company
Meyers Cove, Idaho

Dear Mr. Robertson:

Enclosed is a proposed contract and a breakdown of mining cost for the Chamac mine prepared by the U. S. Bureau of Mines. This data confirms the data given you in our telephone conversation of May 12, 1952.

We wish to call your attention to sections 12 and 13 of the Agreement between Arthur Chambers and the J. R. Simplot Company. Item 12 prohibits the removal from the property of certain items, one of which is buildings. The contract calls for $3,500 in buildings, which cannot be removed or salvaged from the property. This item is small and it is also believed that the buildings will not have any salvage value when the project is completed. If the government, however, wishes to protect its interest in these buildings, undoubtedly a special agreement can be worked out with the J. R. Simplot Company, or perhaps it can be made a part of the "Guarantee in Lieu of Subordination Agreement", which will be necessary as Mr. Chambers has refused to sign a Subordination Agreement.

Sincerely yours,

Elton A. Youngberg

Elton A. Youngberg
For: A. E. Weissenborn
Executive Officer, DMEA
Field Team, Region II

Enclosures
cc: Op. Com.
U.S.B.M.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAY 19 1952

MF-200 (A)
(February 1952)

DOCKET NO. DMEA 2396

COMMODITY Fluorspar

UNITED STATES OF AMERICA
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

EXPLORATION PROJECT CONTRACT[1]
(Short Form)

IT IS AGREED this _____ day of _____, 195__, between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, hereinafter called the "Government," and[2] J. R. Simplot Company
Continental Bank Building
Boise, Idaho

hereinafter called the "Operator," as follows:

ARTICLE 1. *Authority for contract.*—This agreement is entered into under the authority of the Defense Production Act of 1950, as amended, pursuant to DMEA Order 1 entitled "Government Aid in Defense Exploration Projects."

ARTICLE 2. *Operator's property rights.*—With respect to that certain land situated in the State of Idaho, County of Lemhi, described as follows:[3] Unpatented lode claims as follows: Crystle No. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, and 12 in sec. 30 and 31, T. 18 N., R. 17 E., and sec. 25, T. 18 N., R. 16 E., B. M. in the Gravel Range Mining District.

the Operator represents and undertakes:[4]

(*a*) That the Operator is the owner, in possession and entitled to possession, and that the property is subject only to the following claims, liens, or encumbrances as to each of which the subordination agreement of the holder is attached: Buying property under purchase contract, copy attached.

(*b*) That the Operator is a lessee, in possession and entitled to possession, and the Owner's Consent to Lien is attached.

The Operator shall devote the land and all existing improvements, facilities, buildings, installations, and appurtenances to the purposes of the exploration project without any allowance for the use, rental value, depreciation, depletion, or other cost of acquiring, owning, or holding possession thereof.

ARTICLE 3. *Exploration project.*—The Operator, within 60 days from the date of this contract shall commence work on a project of exploration for[5] fluorspar

in or upon the described land; and shall bring the project to completion within a period of _____ from the date of this contract. The work to be performed is more fully described in Exhibit "A" attached hereto, which, with any maps or drawings thereto attached, are made a part of this contract. The Government will contribute to the cost of this work as hereafter provided. The work shall be performed by the Operator or by independent contractor or contractors efficiently, expertly, in a workmanlike manner, in accordance with good mining standards and State regulations for health and safety and for workmen's compensation and employers' liability insurance, with suitable and adequate equipment, materials, and labor, to bring the project to completion within the time fixed. The Government shall have the right to enter and observe and inspect the work at all reasonable times, and the Operator shall provide the Government with all available means for doing so. The Government may consult with and advise the Operator on all phases of the work.

ARTICLE 4. *Costs of the project.*—The agreed, estimated costs of performing the work, expressed in terms of units of work to be performed (per foot of drifting, per foot of drilling, per cubic yard of material to be moved, etc.) are set forth in Exhibit "A," attached hereto. The Government will pay 50 percent of these agreed, estimated costs, as they accrue, for units of work actually performed that conform with the description or specifications for the work set forth in this contract, in an aggregate total amount not in excess of $30,425.00, which is 50 percent of $60,850.00, the agreed, estimated total cost of the project in which the Government will participate: *Provided,* That until the Operator's final report and final accounting have been rendered to the Government and any final check or 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 ten (10) percent of the maximum total which the Government might have been called upon to pay under the terms of the contract. The Government may, as it sees fit, make payments direct to the Operator's independent contractors, if any, for the account of the Operator, rather than to the Operator.

ARTICLE 5. *Reports, accounts, audits.*—(*a*) *Progress reports.* The Operator shall provide the Government with monthly reports of units of work performed under the contract, in quintuplicate (five copies), upon forms provided by the Government. These progress reports shall be certified by the Operator, and shall constitute both the Operator's invoice of units of work performed on the project during the period covered by the report and his voucher for repayment by the Government, unless the Government requires the use of a standard voucher form with invoice attached. Progress reports shall include surface and/or underground engineering-geological maps or sketches showing the progress of the exploration, with assay-reports on samples taken concurrently with the advance in mineralized ground.

[1] If sufficient space is not provided in any blank, use an extra sheet of paper and refer to it in the blank.
[2] State name, address, and nature of organization if any.
[3] Give legal description or enough to identify the property, particularly excluding any land or interest therein to which the Government's lien is not to attach or the production from which is not to be subject to the Government's percentage royalty.
[4] Strike out the provision not applicable.
[5] Name of mineral or minerals.

(*b*) *Final report.*—Upon completion of the exploration work or termination of the contract the Operator shall provide the Government with an adequate geological and engineering report, in quintuplicate (five copies), including an estimate of ore reserves resulting from the exploration work.

(*c*) *Compliance with requirements.*—If, in the opinion of the Government, any of the Operator's reports are insufficient or incomplete, the Government may procure the making or completion of such reports and attachments as an expense of the exploration work; and the Government may withhold approval and payment of any vouchers depending upon insufficient or incomplete reports.

(*d*) *Accounts and audits.*—The Operator shall keep suitable records and accounts of the units of work performed, which the Government may inspect and audit at any time. The Government may at any time require a check of the work performed and an audit of the Operator's records and accounts, by a certified public accountant or otherwise, the cost thereof to be treated as a cost of the project. The Operator shall keep and preserve said records and accounts for at least 3 years after the completion of the project or the termination of this contract. Upon the completion of the project or termination of the contract the Operator shall render a final account and statement of work performed to accompany his final report.

ARTICLE 6. *Repayment by Operator.*—(*a*) If, at any time, the Government considers that a discovery or a development from which production may be made has resulted from the exploration work, the Government, at any time not later than 6 months after the Operator has rendered the required final report and final account, may so certify in writing to the Operator. The certification shall describe broadly or indicate the nature of the discovery or development. In the event of such certification, any minerals mined or produced from the land described in Article 2 within 10 years from the date of this contract, including any mined or produced before the certification, shall be subject to a percentage royalty which the Operator or his successor in interest shall pay to the Government, upon the net smelter returns, the net concentrator returns, or other net amounts realized from the sale or other disposition of any such production, in whatever form disposed of, including ore, concentrates, or metal, until the total amount contributed by the Government, without interest, is fully repaid, or said 10 years have elapsed, whichever occurs first, as follows:

(1) One and one-half (1½) percent of any such net amounts not in excess of eight dollars ($8.00) per ton.

(2) One and one-half (1½) percent of any such net amounts, plus one-half (½) percent of such net amounts for each additional full fifty cents ($0.50) by which such net amounts exceed eight dollars ($8.00) per ton, but not in excess of five (5) percent of such net amounts.

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

(*b*) As here used, "net smelter returns," "net concentrator returns," and "other net amounts realized from the sale or other disposition," mean gross revenue from sales, or if not sold, the market value of the material after it is mined in the form in which and the place where it is held. In the case of integrated operations in which the material is not disposed of as such, these terms mean what is or would be the gross income from mining operations for percentage depletion purposes in income-tax determination.

(*c*) To secure the payment of its percentage royalty, the Government shall have and is hereby granted a lien upon the land described in Article 2 and upon any production of minerals therefrom, until the royalty claim is extinguished by lapse of time or is fully paid.

(*d*) This article is not to be construed as imposing any obligation on the Operator or the Operator's successor in interest to engage in any mining or production operations.

ARTICLE 7. *Assignment, transfer, or loss of Operator's interest.*—Without the written consent of the Government, the Operator shall not assign or otherwise transfer or hypothecate this contract or any rights thereunder. The Operator shall not make any voluntary nor permit any involuntary transfer or conveyance of the Operator's rights in the land described in Article 2, without making suitable provision for the preservation of the Government's right to a percentage royalty on production and lien for the payment thereof; *Provided,* that mere failure by the Operator to maintain the Operator's rights in the land, without any consideration running to the Operator other than relief from the cost of maintaining such rights (as by surrender of a leasehold, failure to perform assessment work, or failure to exercise an option), coupled with complete abandonment by the Operator of all interest in or operations on the land for a period of 10 years from the date of this contract, shall not constitute such a transfer or conveyance. Should the Operator make or permit any transfer or conveyance in violation of this provision, the Operator shall be and remain liable for payment to the Government of the same amounts, at the same times, as would have been paid under the terms of the percentage royalty on production. If for any reason the net smelter returns, net concentrator returns, or other net amounts realized from the sale or other disposition of such production are not available as a means of measuring the amount of the Operator's liability, the amount thereof shall be estimated as well as may be, and in the event of dispute as to such estimates, the determination thereof by the Administrator of Defense Minerals Exploration Administration or by his successor shall be final and binding upon the Operator.

ARTICLE 8. *Termination and completion.*—The Government may, at any time, by written notice to the Operator, terminate this contract: (*a*) If the Operator fails to provide his share of the money necessary to prosecute operations pursuant to the terms of the contract; (*b*) if the Operator, in the opinion of the Government, fails to prosecute operations pursuant to the terms of the contract; or (*c*) if, in the opinion of the Government, operations up to the time of the notice have not indicated the probability of making any worth while discovery and in the opinion of the Government further operations are not justified.

ARTICLE 9. *Changes and added provisions* _____

_____

_____

_____

_____

Executed in sextuplicate the day and year first above written.

THE UNITED STATES OF AMERICA

_____
(Operator)

By _____

By _____

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—66329-1

Chamac Fluorspar
J. A. Simplot Company

Exploration Project Contract

Exhibit "A"

The purpose of the Exploration Project shall be to test at depth the downward extension of the Bear Trap vein. This shall be accomplished by crosscutting to the vein from a portal site shown on the attached map, drifting on the vein to the northeast and southwest and raising on the vein from points in the drift mutually agreed upon by the Operator and the Government. The total amount of crosscutting and drifting shall not exceed 1200 feet and the total amount of raising, to be distributed between at least two raises, shall not exceed 500 feet. All drifts and crosscuts shall be driven at least 5 feet by 7 feet in the clear and timbered where necessary. Raises shall be at least 4 by 6 in the clear, timbered where necessary.

Agreed Estimated Costs

Item of Work	Unit	Unit Cost	Total Cost	
Construct Compressor house (16' x 16')	job	$1,500.00	$1,500.00	deleted
Construct Bunk house (16' x 24')	job	2,000.00	2,000.00	deleted
Construct 3/4 mile access road	job	1,000.00	1,000.00	1,000.
Prepare portal site (Estimated 500 cu. yds excavation)	job	1,500.00	1,500.00	1,500.
400 feet crosscutting	linear ft. of advance (Untimbered)	31.50	12,600.00	
800 feet drifting	linear ft. of advance (Untimbered)	31.50	25,200.00	
500 feet raising	linear ft. of advance (Untimbered)	31.50	15,750.00	53,550.
200 feet timber	linear ft. of * timber installed in drift, X cut or raise.	6.50	1,300.00	1650.
			$60,850.00	

Total amount of contract $57,700.

* Framed square-set timber or equivalent. Occasional stulls, dividers, etc. included in "per foot untimbered" unit cost.

Docket No. DMEA2396 - Fluorspar
J. R. Simplot Company
Chamac Mine, Meyers Cove

Phone conversation May 12, 1952 - 4:00 P.M.
Mr. Weissenborn's call from Spokane, Washington, to
Mr. J. T. Robertson.

Mr. Weissenborn phoned 4:00 P.M., Monday, May 12, 1952, regarding Meyers Cove Fluorspar Mine, DMEA-2396, Bear Trap Vein Exploration.

He submitted a new proposal of costs in place of the draft of Exhibit "A" costs which I had phoned him 4/17/52 and which totaled $92,100.

He said he had discussed with Operator and had come up with a unit cost proposal which was acceptable to Operator and would be a saving to the Government.

The new estimate of costs Mr. Weissenborn now proposes would be on a unit basis for the adit, drifting, and raises at a rate of $31.50 per foot and the footage would total 1700 feet. The company would take care of its own machinery and equipment. The only other items in which the Government would participate would be:

Road construction - - - - - - - - -	$1,000	
Adit preparation and open cut for portal	1,500	
Compressor building & tool house - -	1,500	} deduct 3500
Bunkhouse - - - - - - - - - - - - - -	2,000	
Contingent (extra in case of some timbering in adit & drifts) 250 feet @ $6.50/ft) ($25.00 extra)	1,650	
	$7,650	61,400
Sampling	200	3500
	$7,850	$57,900
1700 feet (drift,adit,raises) @ $31.50/ft.	53,550	29,950
TOTAL - - - - - - - - - - - - - - -	$61,400	

(The total for the project would be $61,400 compared to my preliminary estimate of $92,100. The application originally requested $217,080 for combined Bear Trap Vein and Powder House Vein Exploration).

Docket No. DMEA-2396
Fluorspar

Told Mr. Weissenborn that I would go ahead and prepare a draft of contract using his new figures.

We also discussed question of Owners Subordination. Company could not get it, but Simplot Company will give guarantee.

Also discussed claims to be included in land to which Government will have a lien on ore production.

Above main points discussed in phone conversation. Told him to confirm by letter.

Jasper T. Robertson

Jasper T. Robertson

C
O
P
Y

CHAMAC FLUORSPAR - DMEA 2396

Cost estimate for drifting, crosscutting and raising

Drifts and crosscuts to be 5 x 7 ft. Raises will be driven on low incline with slusher. Considered to be equivalent to drift.

Item	Cost/ft.
Labor	$12.10
Powder	2.70
Caps	.06
Fuse	.60
Ties	.20
Rail	.96
Vent Pipe	1.10
2" - 3" air line	.70
1" water line	.18
Bits	1.00
Steel	.50
Repair parts	1.25
Small tools	.20
Hose	.30
Supervision, engineering & bookkeeping	3.15
Depreciation	2.50
Power	2.00
Transportation - freight	2.00
	$ 31.50

For timber - increase by

Sets		2.54
Lagging		.28
Additional labor		3.00
	Subtotal	6.32
		SAY 6.50

5 x 7 Drift	Total	$38.00

CHAMAC FLUORSPAR - DMEA 2396

Basis for equipment depreciation

Equipment needed	Market prices
1 - Eimco 12B mucker	$ 3,200.
8 - cars	4,000.
2 - Drills	2,200.
2 - Stopers	1,800.
1 - receiver	300.
1 - blower	800.
2 - DD hoists (5 HP)	1,500.
1 - 315 cfm compressor	10,000.
1 - air trammer	1,400.
1 - water tank	300.
	$25,500.

$\frac{25,500}{60}$ = $425.00/mo. depreciation allowance

425.00 ÷ 170/ft. advance per mo. = $2.50 per foot

[illegible]

Not Found

[illegible]

Analysis of Simplot - DMEA-1763, and DMEA-2396

Simplot applied May 31, 1951 for $102,270, DMEA-1763, for diamond drilling ($81,570), access roads ($7,500) and underground exploration ($13,200). This application referred to Field Team October 9, 1951 and has been withdrawn.

On January 10, 1952, Simplot submitted new application, DMEA-2396; no formal withdrawal of DMEA-1763. The new proposal for 450' of FW. X cut, 900' of drifting, and 750' of raising outlining block 900' long and from 220 to 270' high in Bear Trap area, and construct housing and surface facilities and 0.25 miles of access road. This area has been explored by 8 DDH totalling 4,240', delimiting a block 1,200 along strike and 900 down dip. Surface trenching and sampling has explored this outcrop. The applicant claims 600,000 tons of 45% CaF_2. This proposed exploration development would block out 97,200 tons. according to Van alstine

On the Powder House vein the applicant proposes 220' of crosscut and 400' of drifting, and construct 0.6 miles of access road. Here the backs are 120' and no raises are proposed. Applicant's target is 9,000 tons of ore to be blocked out on two sides. The second application totals $217,030. The applicant has supplied no data on results of surface work at Bear Trap and Powder House nor reserves and work on other vein systems within the area.

The field team recommended informally via telephone that the project be made in two phases with the Bear Trap vein exploration being first completed then the Powder House vein explored.

The area between the Anderson adit and Section DD is a legitimate area for exploration, and it is thought that a drift starting at the intersection of the 6,900' contour and extention of Bear Trap vein southwestward would be a more satisfactory method of exploring the Bear Trap vein than area proposed by the applicant. Under an exploration loan, the applicant is not eligible to provide buildings and dwellings of a permanent nature, ore bins and equipment such as battery locomotives, 600 cfm compressors and shovel loaders which are in the nature of expenditures for preparation for mining. The applicant may purchase any size equipment he desires but only the cost of equipment necessary to carry on the exploration work can be applied against the equipment purchases.

It is recommended that this application be sent to field team for appraisal. The area from which repayment to the Government is to be paid in the case of the Bear Trap area should be claims Crystle 1 to 7 and 12. In the case of the Powder House Crystle 12 and 13.

Mining Research Branch, Minerals Technology Div.
Region VIII, Bureau of Mines, Bluemont, Va.
April 15, 1952

Paul Zinner

Attn: L.J. Houk

Wing G. Agnew

REPORT - MEYERS COVE FLOURITE, LEMHI COUNTY, IDAHO

With reference to Mr. Houk's request by phone today, we send you herewith, the following from Mount Weather Technical Files:

80.7676 Meyers Cove Flourite, Lemhi Co., Idaho - Supplemental Report March 15, 1944, one original copy with maps.

80.7676 One set of seven pictures - Project 2009 Meyers Cove Fluorite.

80.7676 Three maps - Figures 1, 2 and 3 from Supplemental Report, edition of March 1945.

The Supplemental report, March 15, 1944, is sent because it includes maps not shown in the later version of March 1945, which was published as W.M.R. 460. We send prints of Figures 1, 2 & 3 from the later report because we understand Mr. Houk wants the large scale maps. Figure 3 does not appear in the published version.

We do not find any reports showing work done by the Bureau of Mines after 1945.

James E. Hill

James E. Hill, for
Wing G. Agnew
Chief, Mining Research Branch

Enclosures

cc: Paul Zinner
L.J. Houk
C. W. Pierson
Files

JHHolt/jl

OFFICE OF THE ADMINISTRATOR

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
APR 7 1952

So. 157 Howard Street
Spokane 4, Washington

April 2, 1952

Memorandum

To: Mr. Frank E. Johnson, Chairman, Operating Committee, Defense Minerals Exploration Administration, Department of the Interior, Washington 25, D. C.

From: Field Team, Region II.

Subject: Docket No. DMEA 2396-Fluorspar, Chamac Mine, Meyers Cove, Idaho.

We have your letter of March 20, 1952, with your comments that the subject application proposes work which appears to be primarily preparation for mining and that the application should be revised to exclude work within the area explored by the Alcoa drilling program.

We cannot agree with your interpretation of the program as preparation for mining rather than exploration. It is true that the openings by the nature of their location will be used to extract ore if ore is encountered; however, the primary purpose of such openings in this case is for determining the presence of commercial ore in the Bear Trap vein. The drilling of the Alcoa Company certainly does not indicate the presence of commercial ore but only a mineralized structure containing an exploration target.

A review of the Alcoa drilling program shows that of eight holes drilled on the Bear Trap vein only three holes intersected ore of commercial grade. The other five drill hole intersections showed only ore of submarginal grade, or in some cases merely a fluorite-bearing structure. Using assays and widths from the drill logs it can be shown that the Bear Trap vein contains a large tonnage of low-grade ore. This is statistically correct but may not be the true picture, although this interpretation perhaps discouraged the Alcoa Mining Company from developing this deposit. The diamond drilling, however, suggests another interpretation based upon geologic reasoning. This interpretation of the drilling suggests that the vein contains ore shoots of commercial grade ore which were penetrated by the drill holes 3, 4, and 8, and that the other holes may have encountered low grade areas between ore shoots. Since the drilling is on 400 foot centers, it can readily be visualized that commercial

ore may exist between drill holes 1, 2, 3, 5, and 7, and low-grade ore between holes 3, 4, and 8. This interpretation is suggested by the behavior of the ore in the Big Lead vein to the Northwest, and is more or less characteristic of fluorspar veins in general.

The Bear Trap vein can only be considered an exploration target on the basis of this geologic interpretation. This interpretation still has to be proved by underground exploration of the nature proposed by the Simplot Company. The drilling certainly has not proved that commercial ore exists in the vein; certainly we would be unlikely to recommend the property for a production loan on the basis of the drilling in the Bear Trap vein.

We strongly feel that underground exploration must be undertaken before a sound enterprise can come into existence at Meyers Cove. The Meyers Cove deposits have been investigated by a number of government agencies, the Alcoa Mining Company and others. Diamond drilling and surface exploration have indicated a rather large tonnage of low-grade ore but only a relatively small amount of commercial ore (+ 50 percent CaF_2). Thus, the preliminary exploration did not fully determine the economic possibilities of the Meyers Cove area and possibly false conclusions have been inferred from the results. The existence of commercial quantities of high-grade ore in one part of the area was established by the Simplot Company by drifting on the Big Lead vein. Similar exploration has been proposed by them on the Bear Trap vein which is considered one of the more promising prospects in the area based on the preliminary drilling. The Simplot Company certainly is justified in choosing this vein as their No. 1 exploration target because the risks are better known, but because the grade, size, or even the presence of high-grade ore shoots of commercial size is uncertain, the property must still be considered a prospect. We do not believe that the drifting and raising proposed by the Simplot Company will "go beyond a reasonable delineation and sampling of the ore." The openings made in the course of the exploration may or may not be useable for mining, but in our opinion they are not "work prosecuted primarily for mining or preparation for mining." In fact, it is common practice in the mining industry for management to plan exploration so that openings can be later used for mining if ore is found.

We therefore ask that you reconsider your request to have the applicant exclude work from the area drilled by the Alcoa Mining Company. We agree with the Simplot Company that this is the No. 1 exploration target and as such should be immediately explored if new reserves of ore are to be found in this area from which acid grade

fluorspar can be economically recovered. There is no doubt in our minds but that the work proposed is essentially exploration. However, it is our belief that we should not be too critical in differentiating between exploration and development! We could easily on this very deposit find ourselves in the highly illogical and untenable position of denying with one hand a production loan because the deposit is insufficiently developed while with the other hand we deny exploration assistance because the deposit is too developed!

We also ask you to reconsider your suggestion of drifting upon the Bear Trap vein from its outcrop at the 6900 contour. There are two reasons for this: the strike of the vein as suggested by the drill hole intersections indicates that the vein should outcrop several hundred feet further north of its outcrop area as shown on the map. This suggests the vein changes drastically in strike or that the indicated outcrop position is wrong. To locate the vein may require additional drilling or surface stripping, and a decision would have to be deferred until late spring, so that with normal delays it might be summer before a contract could be written. Furthermore, the crosscut as proposed by the applicant has the advantage of providing access to the center of the known target area, and once the ore zone has been encountered will provide two headings for drifting and will also permit two raises to be driven at once. The reduced per foot cost from operating multiple headings should largely repay the extra cost of the crosscut and will very measurably speed up the work.

We have reviewed the estimated equipment requirements of the applicant and the proposed housing program and agree that these go beyond the requirements of the exploration program and should in some respect be drastically reduced. This point was discussed in Mr. Youngberg's recent memo and in several phone conversations with the fluorspar commodity group.

The Field Team would like to have prepared for your consideration an exploration contract on the Bear Trap vein essentially along the lines proposed by the applicant, with modifications as noted above. Since you have raised some questions to this program, we will not prepare a contract on this portion of the application until we hear from you that we are in accord on the points raised. We would appreciate an early reply so that we may get the matter settled without further delay.

The applicant's proposal to explore the Powder House vein will have to await a field investigation when weather conditions permit, for reasons already stated in Mr. Youngberg's memorandum.

By Field Team, Region II

A. E. Weissenborn

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

Glenn A. Reed

for M. E. Volin, Member
(U. S. Bureau of Mines)

cc: U. S. Bureau of Mines

FILE COPY
SURNAME:

Hook

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION
WASHINGTON 25, D. C. 600

MAR 2 0 1952

Mr. A. E. Weissenborn
Executive Officer, DMEA
Field Team, Region II
South 157 Howard Street
Spokane 8, Washington

Subject: Docket No. DMEA-2396 - Fluorspar
Chamac Mine
Meyers Cove, Idaho

Dear Mr. Weissenborn:

Receipt is acknowledged of the four copies of the geological report by Elton A. Youngberg on the Meyers Cove fluorspar deposit of the J. R. Simplot Company.

This office has attempted to draft a contract on the Bear Trap portion of the project but has been unable to do so. We are, therefore, referring this proposal to the field with the following comments:

The surface work and the diamond drilling by Alcoa have explored the Bear Trap vein and has delimited its extent as far as is possible with diamond drilling in the area explored. The application DMEA-2396 proposes work which appears to be primarily preparation for mining.

The program outlined in part could be considered as reasonable delineation with underground exploration. It is suggested that the applicant be contacted and the application be revised to exclude work within the area explored by the Alcoa drilling program, at least in the initial stage.

The possibility of drifting along the Bear Trap vein from a point near its intersection with the 6,900 feet contour to the northeast, should be investigated. This would eliminate the access road and the dead work in the Bear Trap adit.

The erection of dwellings of a permanent nature, and purchase of equipment of a capacity much in excess of that needed in the exploration program is not allowable. The operator may purchase equipment to be used later in mining but only the cost of the equipment needed to carry on the exploration is eligible to be applied toward the purchase price.

Copies of memoranda from the Bureau of Mines and the Geological Survey are enclosed for your information.

It is suggested that the applicant make a formal withdrawal of his application DMMA-1763.

Sincerely yours,

(signed) FRANK E. JOHNSON (JHB)

Chairman, Operating Committee
Defense Minerals Exploration
Administration

S.N.
3-20-52

Enclosures 2

Approved:

J. H. Hodges (JHB)

Member, Bureau of Mines

A. P. Thayer (JHB)

Member, Geological Survey

LGHouk:gad 3/19/52

Copy to: Admin. Reading File
Mr. H. W. Davis, 3519
Mr. VanAlstine, G-232, GSA Bldg.
Operating Committee
Docket File
Mr. Houk

Memorandum

To: Field Team, Region II

From: Chairman, Operating Committee

Subject: Simplot Applications DMEA-1763, and DMEA-2396

Application DMEA-2396 proposed work which is primarily preparation for mining and as such is not within our jurisdiction. It is suggested that the applicant be contacted and the application be revised to exclude work within the area explored by the Alcoa Drilling Program, at least in the initial stage. It is suggested that the Bear Trap vein be explored in the area southwest of Section DD by drifting from a point near the 6,900 foot contour. The erection of dwellings of a permanent nature, and purchase of equipment of a capacity much in excess of that needed in the exploration program is not allowable. The operator may purchase equipment to be used later in mining but only the cost of the equipment needed to carry on the exploration is eligible to be applied toward the purchase price.

Chairman, Operating Committee
Defense Minerals Exploration
Administration

Attachment

APPROVED:

LOHouk:gad 3/17/52
Copy to: Admin. Reading File
Docket File
Mr. F. Johnson
Mr. Davis, 3519
Mr. VanAlstine, G-232, GSA Bldg.
Mr. Houk

Member, Bureau of Mines

Member, Geological Survey

Analysis of Simplot - DMEA-1763, and DMEA-2396

Simplot applied May 31, 1951 for $102,270, DMEA-1763, for diamond drilling ($81,570), access roads ($7,500) and underground exploration ($13,200). This application referred to Field Team October 9, 1951 and has been withdrawn.

On January 10, 1952, Simplot submitted new application, DMEA-2396; no formal withdrawal of DMEA-1763. The new proposal for 450' of FW. X cut, 900' of drifting, and 750' of raising outlining block 900' long and from 220 to 270' high in Bear Trap area, and construct housing and surface facilities and 0.25 miles of access road. This area has been explored by 8 DDH totalling 4,240', delimiting a block 1,200 along strike and 900 down dip. Surface trenching and sampling has explored this outcrop. The applicant claims 600,000 tons of 45% CaF_2. This proposed exploration development would block out 97,200 tons.

On the Powder House vein the applicant proposes 220' of crosscut and 400' of drifting, and construct 0.6 miles of access road. Here the banks are 120' and no raises are proposed. Applicant's target is 9,000 tons of ore to be blocked out on two sides. The second application totals $217,030. The applicant has supplied no data on results of surface work at Bear Trap and Powder House nor reserves and work on other vein systems within the area.

The field team recommended informally via telephone that the project be made in two phases with the Bear Trap vein exploration being first completed then the Powder House vein explored.

The area between the Anderson adit and Section DD is a legitimate area for exploration, and it is thought that a drift starting at the intersection of the 6,900' contour and extention of Bear Trap vein southwestward would be a more satisfactory method of exploring the Bear Trap vein than area proposed by the applicant. Under an exploration lease, the applicant is not eligible to provide buildings and dwellings of a permanent nature, ore bins and equipment such as battery locomotives, 600 cfm compressors and shovel loaders which are in the nature of expenditures for preparation for mining. The applicant may purchase any size equipment he desires but only the cost of equipment necessary to carry on the exploration work can be applied against the equipment purchases.

It is recommended that this application be sent to field team for appraisal. The area from which repayment to the Government is to be paid in the case of the Bear Trap area should be claims Crystle 1 to 7 and 12. In the case of the Powder House Crystle 12 and 13.

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

March 14, 1952

Memorandum

To: Lawrence Houk, Defense Minerals Exploration Administration

From: H. W. Davis, Bureau of Mines

Subject: DMEA-2396 - Fluorspar. J. R. Simplot Company.

It appears that much the greater part of the sum of $217,000 requested for assistance is to be expended for development and production, rather than for exploration. The subject deposits have been examined by the United States Geological Survey, Bureau of Mines, Alcoa Mining Co., and A. E. Chambers, and inasmuch as the work previously done has indicated a substantial reserve of fluorspar, it is believed that only a small loan should be made for further exploration.

H. W. Davis

H. W. Davis

FILE COPY
Surname:

Davis
Josephson

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

March 14, 1952

Memorandum

To: Lawrence Houk, Defense Minerals Exploration Administration

From: H. W. Davis, Bureau of Mines

Subject: DMEA-2395 - Fluorspar. J. R. Simplot Company.

It appears that much the greater part of the sum of $217,000 requested for assistance is to be expended for development and production, rather than for exploration. The subject deposits have been examined by the United States Geological Survey, Bureau of Mines, Alcoa Mining Co., and A. E. Chambers, and inasmuch as the work previously done has indicated a substantial reserve of fluorspar, it is believed that only a small loan should be made for further exploration.

H. W. Davis

HWDavis:cb

Copy to: G. W. Josephson
Mr. Van Alstine, G-232, GSA Bldg.
H. W. Davis
Files

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
So. 157 Howard Street
Spokane 4, Washington

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAR 17 1952

March 13, 1952

Mr. Frank E. Johnson
Chairman, Operating Committee
Defense Minerals Exploration Administration
Department of Interior
Washington 25, D. C.

DMEA-2396

Re: Chamac Mine - Fluorspar
Meyers Cove, Lemhi Co., Idaho
J. R. Simplot Company
Pocatello, Idaho

Dear Mr. Johnson:

Enclosed are four copies of a geologic report by Elton A. Youngberg of the Geological Survey on the Meyers Cove fluorspar deposit of the J. R. Simplot Company. This report confirms the expression of feasibility of this project and the desirability of dividing the applicant's proposal into two projects as presented during a recent telephone conversation to the DMEA representative handling the processing of the application in Washington.

The proposal for expediting the processing of the application by dividing the proposal into two projects was made by Mr. Glenn Reed of the U. S. Bureau of Mines.

The DMEA analyst in Washington is writing a contract for the Bear Trap portion of the project without referral to the field on the basis of the suggestions made in the recent telephone conversation.

The Bureau of Mines in reviewing the project believe certain cost items should be removed or modified in writing the contract as: housing, ore bin, compressor, etc. However, since the DMEA analyst is preparing the contract, the Bureau of Mines is not submitting a cost analysis of the project, but will review the contract when it is received in the field and before it is forwarded to the applicant for signature.

The Simplot Company has been unable to obtain a subordination agreement from A. E. Chambers, owner of the property. They have expressed their desire to sign a guarantee in lieu of a subordination agreement if they are unable to obtain one from Mr. Chambers.

Sincerely yours,

A. E. Weissenborn

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

Enclosures
cc: USBM, Spokane
USBM, Albany

No answer required
see letter to Region II
signed by
Operating Committee
date 3-20-52

So. 157 Howard Street
Spokane 4, Washington

March 11, 1952

Reviewed by
DMEA OPERATING COMMITTEE
3-21-52 (TL)
(date)

Memorandum

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

From: Elton A. Youngberg, Geologist, U. S. Geological Survey

Subject: Chamac Mine - Fluorspar
Meyers Cove, Lemhi County, Idaho
J. R. Simplot Company
Pocatello, Idaho

ON SITE REPORT

RECOMMENDATIONS

It is recommended that the proposal of the J. R. Simplot Company to explore the veins of the Chamac mine be divided into two projects: (1) the Bear Trap and (2) the Powder House, and that the Bear Trap project be given favorable consideration for a contract. This division is recommended because of the lack of the desired information upon which to appraise the feasibility of exploring the Powder House vein and because this information can only be obtained by a field examination next summer. Diamond drilling of the Bear Trap vein by the Alcoa Mining Company indicates an exploration target exists on this structure worthy of exploration. If an exploration contract is written for the Bear Trap project at this time, it would permit this part of the exploration program to get underway while the feasibility of the Powder House project is being investigated. The Simplot Company has been contacted and have indicated that this method of handling their application is acceptable to them.

INTRODUCTION

The Chamac Fluorspar mine was acquired by J. R. Simplot Company, Pocatello, Idaho, in 1949 and is held under lease and option agreement from A. E. Chambers. The Simplot Company subsequently obtained a contract with the General Services Administration to supply 30,000 tons of acid-grade fluorspar to the government stockpile. The mill built by A. E. Chambers was rehabilitated and production was obtained by open pit mining from outcrops during the summer of 1951. At the same time, underground development of the Big Lead vein was started to insure an ore supply for the mill during the winter of 1951-1952. This work resulted in the development of approximately 25,000 tons of 50 percent CaF_2 ore from which production has been

maintained to the present time. The present exploration application is designed to further explore other veins on the property which were indicated to contain commercial ore by a diamond drilling program carried out by the Alcoa Mining Company and surface exploration by the Simplot Company.

GEOLOGY

The fluorspar deposits at Meyers Cove because of their strategic importance have been investigated on several occasions by the Bureau of Mines, the U. S. Geological Survey and other agencies interested in the development of strategic minerals. The geology of the deposits has been described in some detail in these reports. The following list of publications should be referred for geologic background on the Meyers Cove Area.

Clyde P. Ross - Geology and Ore Deposits of the Casto Quadrangle, Idaho, U. S. Geological Survey, Bull. 854, 1934.

Alfred L. Anderson - The Antimony and Fluorspar Deposits near Meyers Cove, Lemhi County, Idaho - Idaho Bureau of Mines and Geology, Pamphlet 62, 1943.

War Minerals Report 145, Fluorite Veins near Meyers Cove, Lemhi County, Idaho, U. S. Bureau of Mines, 1943.

Doak C. Cox - Memorandum Report on the Fluorspar Deposits near Meyers Cove - In the Gravel Range District, Lemhi County, U. S. Geological Survey, 1944.

PROPOSAL

The applicant proposes to spend $217,080.00 exploring the Bear Trap vein and the Powder House vein of the Chamac mine. The Bear Trap vein has been diamond drilled by the Alcoa Mining Company and the Powder House vein has been explored by surface trenching. Proposal calls for further exploring the Bear Trap vein by driving a 450 foot crosscut to the vein and driving 900 feet of drift upon the structure from which three raises will be driven for a total of 750 feet. The Powder House vein is to be explored by driving a 220 foot crosscut to the vein from which a drift 400 feet long will be driven upon the structure.

The applicant's proposal will accomplish two things: First, explore structures that diamond drilling and surface exploration have indicated to contain commercial quantities of ore and, second, because of the nature of the openings will partially develop these ore bodies

for mining. It is believed that the applicant's proposal should be considered exploration even though previous exploration, particularly the diamond drilling on the Bear Trap vein, has indicated the presence of a relatively large tonnage of low-grade ore. The lenticular nature of the ore bodies indicates that further underground exploration is necessary in order to prove the presence of commercial ore, as exploration work on the Big Lead vein has shown that ore shoots of commercial grade ore may exist in areas between drill holes and that the diamond drilling can only be used to interpret structure and the presence of fluorspar mineralization.

There is little information available on the Powder House vein. The Simplot Company has completed only a limited amount of bulldozing upon the vein. Since this area has not been sampled or mapped by the Geological Survey or the Bureau of Mines, it is impossible to make an appraisal of this part of the project at this time. It is recommended that in order not to hold up processing of the application until an examination of this part of the proposal can be made, that a contract be written to explore only the Bear Trap vein. This part of the project will require fifteen months to complete and will give ample time to examine the Powder House vein and prepare a contract for this part of the proposal.

ORE POSSIBILITIES

An appraisal of the ore possibilities is difficult because of the lack of underground development in the district. The continuity of the vein structures and mineralization down the dip of the veins, as indicated by the diamond drilling of the Alcoa Mining Company, is encouraging for further exploration as a productive horizon is suggested over a considerable lateral and horizontal area. Underground exploration of the Big Lead vein, which had previously been drilled by the Alcoa Mining Company a short distance to the north, has shown that lenticular ore bodies exist between drill holes and contain important tonnages of commercial grade ore (+50 percent CaF_2).

The exploration program proposed for the Bear Trap vein probably will encounter lenticular ore bodies as in the Big Lead vein. Lateral exploration has not been extensive enough to determine the frequency at which these commercial ore shoots occur and, consequently, no accurate estimate can be made as to the percentage of the vein structure which might be productive. The applicant's estimate of a productive area 900 x 6 x 240 containing 117,700 gross tons of +50 percent CaF_2 ore, above the proposed adit level on the Bear Trap vein, would appear too optimistic in view of the expected occurrence of the ore in shoots within the vein with intervening non-commercial areas. Wider mining widths, however, might be encountered which may partially compensate for tonnages lost in non-productive areas. The

exploration program as proposed for the Bear Trap vein, however, is believed to be a reasonable one and should disclose important additional reserves of fluorspar.

Elton A. Youngberg
Geologist

cc: USBM, Spokane
USBM, Albany

IN REPLY REFER TO:

G-MD-REVA

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

Marcy 12, 1952

Memorandum

To: Lawrence G. Houk, Defense Minerals Exploration Administration

From: Ralph E. Van Alstine, U. S. Geological Survey

Subject: DMEA-2396, application of J. R. Simplot Company, request for assistance, total $217,080, to explore Bear Trap and Powder House veins for fluorspar, Meyers Cove, Lemhi County, Idaho.

This application is the second request from the Simplot Company for assistance with exploration of the Bear Trap and Powder House veins for fluorspar at Meyers Cove, Idaho. The first (DMA-1763X) totaled $102,270, of which about $84,000 was for diamond drilling and access roads to drill sites. The applicant on page 6 of answers to MF-103 gives three reasons why no diamond drilling has been proposed in the new application. I understand that the old application which was referred to Region II for a field examination, is being withdrawn.

It is recommended that the applicant clarify the difficulties pointed out below and supply the information that was found to be lacking, before the application is processed further.

The following comments are made on the applicant's proposal as set forth in the completed Form MF-103 and accompanying report, maps, and drill logs:

Item 3 (a)(1)(2) - "Construction of .25 mile of an access road from the present road (6,800 ft. elevation) ... to the tunnel site (6,900 ft. elevation) (see map)." The map shows proposed access road to be less than 950 feet, to start at about 6850 feet elevation, and to end at tunnel site at about 6875 feet elevation.

Item 3 (a)(1)(3) - "Driving of 450 ft. of crosscut---." Section C - C' in the vertical plane of diamond drill holes #3 and #5 shows 390 ft. instead of 450 ft.

"The above to cut the vein at the optimum point as indicated by diamond drilling and surface exploration." Applicant has not submitted data in support of this objective. The diamond drilling shows 6 ft. of 59 percent CaF_2, but it is 250 ft. down dip from the proposed point of intersection. The applicant has not submitted any data on surface exploration of the Bear Trap vein.

Item 3 (a) II(2) - "Driving of 220 ft. of crosscut." The reason for this crosscut is not given. From here it would seem better to start exploring without crosscutting, by drifting directly on the vein from the outcrop shown farther west at the same elevation. Thus the 220 feet of crosscutting and about 300 feet of access road could be deleted from the proposed project. For some unknown reason the applicant similarly is exploring his Big Lead vein (see map) by crosscutting before drifting, instead of drifting directly on the outcropping vein farther west.

Item 6 - The access road mileage is probably too high. See my comments on items 3(a)(1)(2) and 3(a)II(2).

Item 11 - "- - -surface exploration (see accompanying map, report, and diamond drill logs) on the Bear Trap vein - - -". No data on surface exploration of the Bear Trap vein are presented among these exhibits or elsewhere in the application.

"If fully successful, the Big Lead program should develop:" The "Big Lead," which is not to be a part of the proposed project, should be changed to "Bear Trap" as the following context clearly shows.

The evidence is not presented for the statement that "geologically, this vein (Powder House) is one of the strongest structures in the area."

In item 11, for calculating the anticipated results of the proposed exploration, the applicant has used a factor of 11 cubic feet per ton of fluorspar. In the report accompanying the application, however, it is stated on page 7 that a factor of 13.33 cubic feet per ton of fluorspar ore in place was used in all reserve tonnage calculations. If the 13.33 factor is used and the applicant's other figures are accepted, a figure of 97,200 tons is obtained instead of the applicant's 117,700 tons for the possible results of this exploration of the Bear Trap vein.

The calculation for the Powder House vein similarly would be reduced by using the applicant's 13.33 figure. Furthermore, the applicant apparently failed to divide the results by 2, as the body explored is triangular in cross section. Thus, I arrive at 9,000 tons instead of the applicant's 21,000 tons.

Ralph E. Van Alstine

Ralph E. Van Alstine

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

Memorandum March 12, 1952

To: Mr. L. G. Houk
Chief, Nonmetallic Minerals Division

From: C. O. Mittendorf
Acting Administrator COM

Subject: DMEA-2396 - J. R. Simplot Company (Fluorspar)
Chamac Mine

After a brief review of the docket in the subject case, I am of the opinion that your proposed letter is tantamount to a denial of a request for exploration assistance and, therefore, requires approval of the Operating Committee. This being the case, it will probably develop that it will fall within the so-called "twilight zone" and become the subject of discussions between DMEA and DMPA.

All of this points up the necessity of preparing a concise memorandum in the form of an analysis, which will justify the denial of the application. My unfamiliarity with the details of the proposed project will not permit me to guess whether or not certain phases could be approved as exploration under our regulations, whereupon other parts would be denied as being purely pre-production expenditures. I do know that in many recent cases analyses have developed such a situation and we have addressed the applicant suggesting a modification of his application to fit the circumstances. In any event it will be necessary to prepare a memorandum which will present the facts in the case and serve as a basis for action taken by the Operating Committee, as well as for use in any subsequent discussions with DMPA.

DMEA-2396

600

March 7, 1952

Memorandum

To: Mr. J. T. Robertson

From: Mr. Lawrence G. Houk

Subject: Simplot proposals DMEA-1763 and DMEA-2396

Yesterday, March 6, I talked with Mr. Weissenborn, Region II, on the Simplot proposals. There are two, DMEA-1763 and DMEA-2396. They both cover the same ground, each with a different approach. You are to notify the applicant suggesting withdrawal of DMEA-1763, inasmuch as DMEA-2396 covers the same ground.

In processing DMEA-2396, it was developed in my conversation with the Field Team that perhaps the portion of the application dealing with the work to be done on the area drilled by the ALCOA should be a project, and this project should be completed, and then the second part of their proposal should be made into a separate project. There are many items in the present proposal, DMEA-2396, that lead me to believe part of this may be development. Such items as seven houses for $36,000 with bath and sewage disposal are not within the scope of our exploration.

After you have had a chance to study this over, eliminating the out and out development, I would like to talk it over with you before referral to the Field Team. However, it is possible we may be able to draw up a contract here without field referral. The Field Team sees no objection to our drawing up a contract here, if you feel we have enough data.

Lawrence G. Houk, Chief
Non-Metallic Minerals Division

EXPLORATION

Subject: DMEA-2396 - Fluorspar
Re: Exploration Loan
Chamac Mine
February 29, 1952

Mr. John M. Dahl, Secretary-Treasurer
J. R. Simplot Company
Continental Bank Building
Boise, Idaho

My dear Mr. Dahl:

This will acknowledge receipt of your application dated January 10, 1952 for a loan under the Defense Production Act of 1950.

Your application was assigned Docket Number DMEA-2396 and referred to the Non-Metallics Division.

Kindly refer to DMEA-2396 in any future correspondence relating to your application.

Sincerely yours,

ROBERT E. ADAMS

Robert E. Adams
Acting Administrative Officer

7862

DMEA-2396

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
So. 157 Howard Street
Spokane 4, Washington

February 25, 1952

Mr. Frank E. Johnson
Chairman, Operating Committee
Defense Minerals Exploration Administration
Department of Interior
Washington 25, D. C.

Dear Mr. Johnson:

Enclosed are three copies of an application for exploration assistance on the Chamac fluorspar mine at Meyers Cove, Idaho, by the J. R. Simplot Company. A fourth copy is being retained for use at this office.

Sincerely yours,

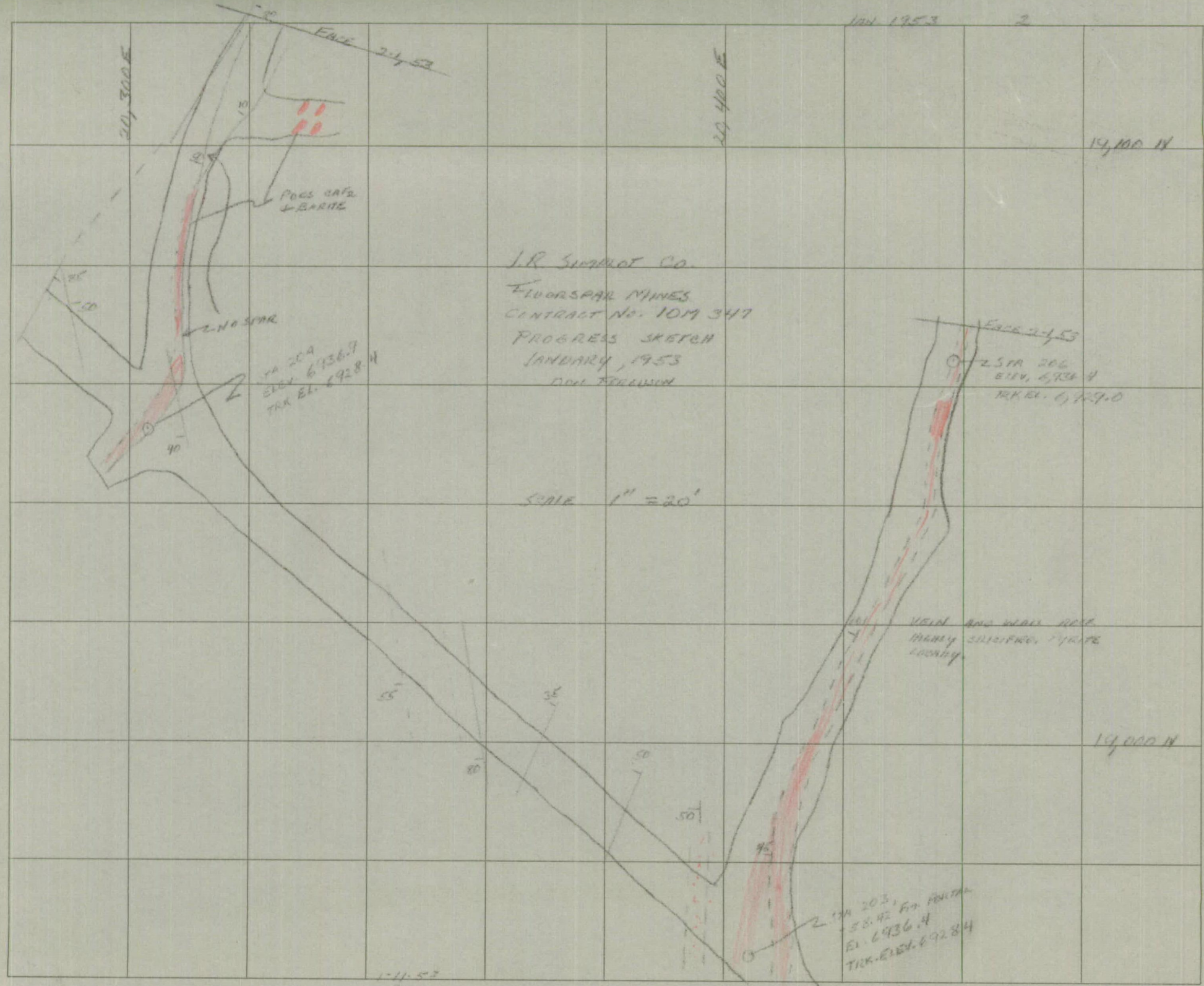
Elton A. Youngberg

Elton A. Youngberg
For: A. E. Weissenborn
Executive Officer, DMEA
Field Team, Region II

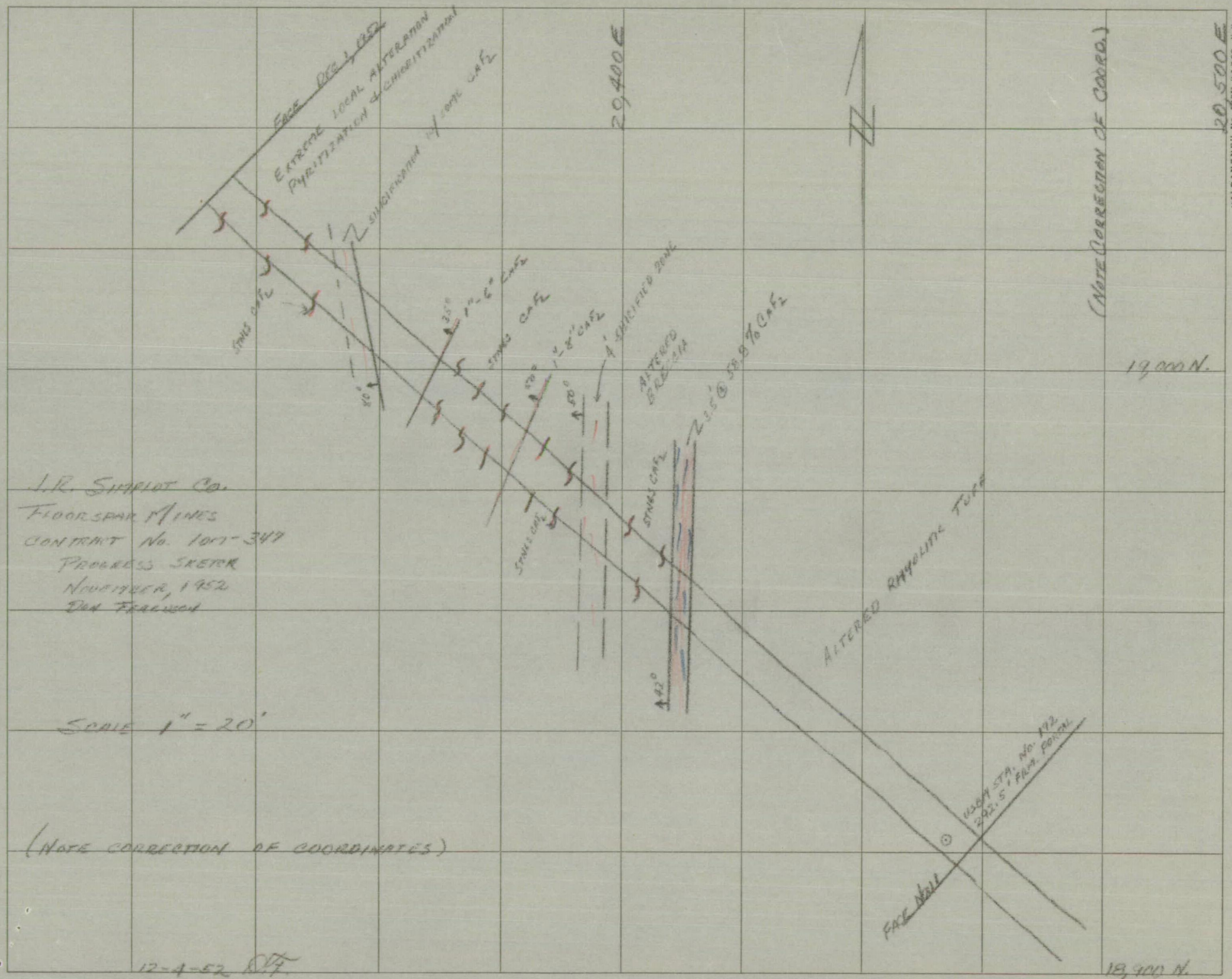
Enclosures

cc: USBM-Spokane

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
FEB 29 1952



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



J.R. SIMPLOT CO.
FLOORSPAR MINES
CONTRACT No. 1011-347
PROGRESS SKETCH
NOVEMBER, 1952
DEN FRANCOM

SCALE 1" = 20'

(NOTE CORRECTION OF COORDINATES)

12-4-52 DFF

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