DMEA Form 9
Rev. 6/57

UNITED STATES
DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration

OFFICIAL DOCKET FILE

Idm-E NO. 545

DMEA NO. 2891

Application
- [ ] Denied
- [ ] Withdrawn

Contract
- [ ] Terminated - Not Certified
- [X] Terminated - Certified
- [ ] Cancelled
- [ ] Royalty Agreement

The records contained in this file are marked (x) and arranged in this order:

Folder No. 1:

Left Side

- [X] Royalty Audits
- [X] Certification of Discovery
- [X] Closing Letter
- [X] Cost Audits
- [ ] Termination Notice or Agreement
- [ ] Recision Notice
- [ ] Assignment of Contract
- [X] Contract Amendments
- [X] Contract with all exhibits and annexes
- [X] Owner's Consent to Lien and Subordination Agreement
- [X] Application and attachments

Right Side

- [X] Project summary (final)
- [X] Work Completed analysis (final)

All other material filed in chronological order including the following reports if checked:

- [X] Field Team Semi-Annual Report for Certified Project
- [X] Final Field Team Report (Tab)
- [X] Operator's Final Report (Tab)
- [X] Interim Field Team Reports
- [X] Operator's monthly reports and all attachments
- [ ] On-site Exam Report (Tab) - See letter 4/9/53
- [ ] Settlement Sheets
- [ ] Drill Logs

Additional Folders:

Left Side

Folders No. _____: Reports

- [X] Analysis of Semi-Annual Inspection Reports Folder I
- [ ] Project Summary (Interim) by DMEA Engineers

Right Side

- [ ] Field Team Semi-Annual Report for Certified Project
- [ ] Field Team Interim Reports
- [ ] Operator's Monthly Reports with transmittal, narrative and maps.

Folders No. 2 : Maps (Use pocket folder or envelope)

Folders No. _____: Settlement Sheets

Folders No. _____: Drill Logs

Folders No. _____: Royalty material

Reported Inactive 12/28/59

17963

OFFICE OF MINERALS EXPLORATION
CONTRACT ADMINISTRATION AND AUDIT DIVISION

REPORT OF ROYALTY REVIEW

I have reviewed the files of the Washington office pertaining to Contract No. Idm-E543, Docket No. DMEA-2891 (columbium-tantalum and uranium), dated June 5, 1953, with

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

for the purpose of determining the amount of royalty due the U. S. Government on sales of minerals from property referred to as the Dismal Swamp Placers located in Elmore County, Idaho, during the period January 1, 1953, through March 15, 1961.

A certification of discovery or development was issued on September 29, 1954, and, in accordance with Annex III of the contract, royalty is payable on all minerals mined or produced from the land described in Article 2 of the contract for a period of 10 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. A Report of Review dated April 25, 1954, indicated accepted costs under the exploration contract amounting to $8,854.97 with the Government's contribution, on a 90 percent basis, being $7,951.47.

The status of the project, the scope of review, and the reasons therefor are stated on page 2.

This review established the total sales of concentrates for the period to be $4,078.78. Royalty due the Government at rates specified in the contract is $203.94. A prior Report of Royalty Review found no sales subject to Government royalty through December 31, 1954. The royalty account as of March 15, 1961, was:

Total Royalty Due	$203.94
Total Royalty Paid	203.94
Balance of Royalty Due	$ -0-

E. D. Talbert, OME Auditor

May 16, 1961

STATUS OF PROJECT, SCOPE OF REVIEW
AND REASONS THEREFOR

The files indicate that the Operator abandoned the property under the contract by allowing its June 12, 1952, lease and option with the owners, Idaho Gem Mining Company, a partnership, to lapse. Thereafter, a Howard Paul and one of the partners in Idaho Gem Mining Company, Arthur T. Smith, 915 Main Street, Boise, Idaho, purchased the property. There was no production during the period that the Operator had possession of the property.

During 1956, Arthur T. Smith sold some concentrate samples to the E. I. DuPont Company for $203.60 and paid the Government $10.18 as a 5% royalty.

On May 18, 1958, 2,004 lbs of columbium-tantalum concentrates were sold for $4,641.48 to the G.S.A. Purchase Depot, Custer, South Dakota. This 2,004 lbs consisted of a blend of 1,673 lbs. 2 oz. of concentrates from 1956 production from property and 330 lbs 14 oz. of higher grade concentrates purchased from the Black Hills Keystone Corp. On December 31, 1958, the 5% royalty of $193.76 was paid on the $3,875.18 quantitative (83.49%) share of the proceeds. There is no evidence of further production or sales from the property.

As Article 10 of this contract includes an "abandonment" proviso, it appears that, unless the Operator reacquires an interest in the land, neither the obligation for repayment nor the lien upon the land and upon production is legally enforceable.

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

(1) All available information indicates that all sales of production from the property since the date of the contract have been reported and proper royalty paid to the Government; and

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

MME Form 22
Dec. 60

DEPARTMENT OF THE INTERIOR
Office of Minerals Exploration

CHECK SHEET OF EXAMINING ENGINEER

Operator's Name and Address

J. R. Simplot Co.

Continental Bank Building

Boise, Idaho

Contract No.	Docket No.
Idm-E545	DMEA-2891

Prepared by (Signature)	Date
DRMacLaren	5/10/61

Yes	No		
	X	1.	(a) Does the Operator stockpile ore subject to royalty repayment?
			(b) If so, is segregation and identification procedure adequate?
	X	2.	(a) Does the Operator commingle production subject to DMEA or OME royalties with exempt production?
			(b) If so, is the allocation of the commingled production equitable?
	X	3.	(a) Does the Operator stockpile mine or mill rejects (low grade ore, tailing, middlings, etc.) that may have potential value within the royalty payment period?
			(b) If so, are adequate records maintained on such material to protect the Government's interest?
X		4.	Are the assay controls in effect adequate?
X		5.	Does the manner of disposing of production give the Government its fair royalty returns?
		6.	Do your periodic examinations of operations indicate the Operator is properly reporting his production of ores subject to DMEA or OME royalties?
		7.	Does the Operator buy from or sell to other Operators?
		8.	Current status of property. (Check one).
			[ ] Operating.
			[X] Inactive.
			[ ] Abandoned.
			_____ Date of last production if not operating.

Comment on items 1(b), 2(b), 3(b), and 4 to 6, if answer is No:

The claim owner, Arthur T. Smith, returned our letter of 3/21/61 with the following notation at the bottom: "In answer to questions above: (1) The 627 lbs. were thrown away as they were of no value; (2) There has been no production in the period stated; and (3) No, we have not sold any of the claims.ω

There is no unsold or stockpiled production.

84861-60

DEFENSE MINERALS EXPLORATION ADMINISTRATION
CONTRACT ADMINISTRATION AND AUDIT DIVISION

REPORT OF ROYALTY REVIEW

I have reviewed the files of the Executive Officer, DMEA Field Team, Region I, N. W. District, pertaining to Contract Idm-E 545, Docket No. DMEA-2891, with:

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

for the purpose of determining the amount of royalties due the U. S. Government on sales of columbian, tantalum and uranium from property referred to as Dismal Swamp Placers located in Elmore County, Idaho, during the period June 5, 1953, to December 31, 1954.

The contract was dated June 5, 1953, and certification of discovery or development was issued under date of September 29, 1954, providing for repayment of royalties for a maximum period of 10 years from the date of the exploration contract. According to report of review in lieu of final audit prepared by Mr. Robert M. Hull, auditor, under date of April 25, 1954, total accepted costs under the contract amounted to $8,834.97 with the Government's participation, on a 90 percent basis, being $7,951.47.

No royalties have been paid to the Government to date in connection with this contract.

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

(1) Under date of October 7, 1954, the operator advised that J. R. Simplot Company had allowed its lease and option from the original owners to lapse because the results of their exploration work, in their opinion, did not justify continuing with the operation; that the property was subsequently purchased by Arthur T. Smith and Howard Paul, of Boise, Idaho; and, to the operator's knowledge, there has been no production from the property,

(2) According to Semi-Annual Report of Certified Project for the period July 1 to December 31, 1954, there has been no production from the property, and

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

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

August 5, 1955

Docket copy
F L Knouse
Ellis
Hoffland, per memo
Talbot
Selfridge

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

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

Pursuant to the provisions of Exploration Project Contract No. Idm-E545, dated June 5, 1953 (Docket No. DMEA-2891), hereinafter called the "contract" between you and the United States of America, hereinafter called the "Government"; to establish and fix the Government's percentage royalty on production and its lien thereon and on the land described in the contract, the Government considers and therefore certifies that discovery or development from which production may be made has resulted from the exploration work.

The nature of said discovery or development is described broadly or indicated as follows:

The bulldozing of 16 trenches some 6 to 12 feet deep, the drilling of 25 churn-drill holes to an average depth of approximately 7 feet, and the sinking of 2 exploration shafts to an average depth of about 11 feet on the Associated Gem Group Nos. 2 and 3 claims resulted in the discovery or development of gravel containing columbium, tantalum, and uranium-bearing minerals.

Dated: SEP 2 9 1954

FLKnouse/gla 9-21-54
Copies to:
Operator (original)
Contract Adm. and Audit Div.
Field Team, Region II (2)
Finance Officer
Rare & Misc. Metals Div.
Docket
Mr. Irving Gumbel, Acting Dir.,
Materials Division, EPS
Admr. Reading File
Operating Committee
Mr. Hedges, Rm. 4604
Mr. Kiilsgaard, Rm. 5227
Mr. F. E. Johnson
Mr. F. L. Knouse

THE UNITED STATES OF AMERICA

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

MME Form 7
(10-58)

OFFICIAL FILE COPY

Date	Surname	Code
7/2	Murphy	500
	Mrowka	500
7/3	Talbot	800
	Selfridge	120
7/3	Johnson	140
	Fumich	100
		220

JUL 3 1963

Mr. Arthur T. Smith
219 Eastman Bldg.
Boise, Idaho

Re: DMEA-2891 (Columbium-Tantalum and Uranium)
J. R. Simplot Company
Dismal Swamp Placers
Elmore County, Idaho
Contract Idm-E545

Dear Mr. Smith:

Thank you for returning the completed MME Form 63's mailed to you on June 20, 1963.

By the terms of the subject Exploration Project Contract, as amended, and the certification of discovery or development dated September 29, 1954, all minerals mined or produced from June 5, 1953, to June 5, 1963, were subject to the Government's royalty as set forth in said contract.

As the period during which production was subject to royalty has now expired, the Government according to its present records retains no claim or lien against the property or any future production therefrom. We, therefore, are closing our books and records on this contract.

Sincerely yours,

George Fumich, Jr.

Director

FMMurphy/mm
7/2/63
cc: Director's Reading File
CA&A Division
Region I (2) w/copy of Form 63 dated 6/20/63
Docket
Code 500

43683

DEFENSE MINERALS EXPLORATION ADMINISTRATION
CONTRACT ADMINISTRATION AND AUDIT DIVISION

REPORT OF REVIEW

I have reviewed the Monthly Reports of:

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

pertaining to Exploration Project Contract No. Idm-E545, Docket No. DMEA-2691, including Amendments Nos. 1, 2, and 3, for the months of July, August, and September 1953, inclusive, covering a project for the exploration of Columbium-Tantalum and Uranium on property known as the "Dismal Swamp", located in Elmore County, Idaho.

My review included an examination of the Monthly Reports (Form MF-104), comparison of the costs claimed with the contract, consultation with the Government representative who visited and examined the property, 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 reasons:

(a) the administrative cost to the Government of an audit would be excessive in relation to the estimated amount of possible further disallowances thereunder;
(b) the Monthly Reports were supported by documentary proof of the costs applicable to contract provisions for payment by the Government on the basis of actual costs incurred;
(c) a large portion ($1,730.25) of the costs incurred covered work performed at unit rates under independent contract; and
(d) a large portion ($2,693.75) of the costs incurred were under a contract provision for payment by the Government on the basis of agreed estimated costs of units of work actually performed.

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

Total cost as billed by Contractor		$8,853.26
Exceptions (schedule attached):		
By DMEA Finance Officer	$14.90	
Herewith	3.39	18.29
Total Accepted Cost		$8,834.97

The contract calls for a 90 percent participation of exploration expenses by the United States Government. Therefore, payment to the Contractor by the Government in the amount of Seven Thousand Nine Hundred Fifty One and 47/100 Dollars

$7,951.47

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

Robert M. Hull
Robert M. Hull
Auditor

April 25, 1954

Audit Report of
Review 4/25/54

Schedule of Exceptions

J. E. Simplet Company Idm-E545 DMEA-2091

Labor $14.76*

Mathematical errors made in computing wages of William L. Hochstrasser and Horace D. Ogden, during August 1953.

Payroll Taxes $2.35

$0.09* To reduce payroll taxes to cover disallowances under labor.
$2.26 Mathematical error in computing payroll taxes during September 1953.

Liability Insurance $1.18

$0.09* To reduce payroll taxes to cover disallowance under labor in August 1953.
$1.13 Mathematical error in computing liability insurance during September 1953.

*Deletions by Certifying Officer

Schedule of Allowable Maximums

J. R. Simplot Company — Idm-2545 — DMRA-2891

Work actually performed	Allowable Maximum	Accepted Costs	Balance
2.5½ hrs. Dozing @ $12.50/hr.	$3,600.00	$2,693.75	$ 906.25
Churn Drilling 329.4 ft. @ $5.2527	4,000.00	1,730.25	2,269.75
Supervising Engineer, Salary and Expenses	1,430.00	992.29	437.71
Jeep Depreciation	512.00	512.00	-0-
Pump Depreciation	90.00	-0-	90.00
Total Estimated Cost of Project	18,190.00	8,853.26	9,336.74
Government Participation	16,371.00	7,951.47	8,419.53

The wages of the Supervising Engineer did not exceed the maximum of $550.00/mo.

DOCKET COPY

Docket No. DMEA 2691
(columbium-tantalum-uranium)

AMENDMENT NO. 3

Entin 11/10/53

DEPARTMENT OF THE INTERIOR
Minerals Administration
RECEIVED
NOV 24 1953

It is agreed this 20th day of October 1953, between the United States of America, acting through the Department of the Interior, Defense Minerals Administration, and J. R. Simplot Company, Boise, Idaho

effective 11/1/53

each acting in consideration of the agreement of the other to the terms hereinafter set forth, that the Exploration Project Contract Idm-E 545 of June 5 1953 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 June 5 1953.

This amendment is made by authority granted the Executive Officer, DMEA 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 Ozert Russell
Executive Vice President

THE UNITED STATES OF AMERICA

By M. E. Volin
~~Executive Officer~~
DMEA Field Team, Region II
M. E. Volin, Acting Exec. Officer

J. R. SIMPLOT COMPANY
Contract No. Idm-E545
Docket No. DMEA 2691 (columbium-tantalum-uranium)

AMENDMENT NO. 3

Exhibit "A"

Changes and Modifications

In Exhibit "A" of the exploration project contract under Estimated Costs of the Project, (1) Independent Contracts, delete

Dozing 288 hrs. @ $12.50/hr.* (Refers to actual operating time and includes cost of operator, supplies, maintenance, repair, and moving to subject property.)	$3,600.00*

and add

Agreed Unit Costs

The Government will contribute to the costs of the work specified below as it accrues for units of work actually performed on the basis of the agreed unit costs per hour in lieu of actual costs

Dozing 288 hrs. @ $12.50/hr.*	$3,600.00*

*Indicates allowable maximum

J. R. SIMPLOT COMPANY
Contract No. Idm-X545
Docket No. DMRA 2891

Justification of Amendment No. 3

Independent contractors were not available for this work. The project could not be reached until July when most bulldozers were assigned to seasonal obligations. The Operator moved his own D-6 a distance of 100 miles to expedite project work. The agreed cost of $12.50/hr. is less than actual costs for moving into a remote location on a short job.

V. Z. Johnson

Docket No. DMEA 2691
(columbium-tantalum-uranium)

AMENDMENT NO. 2

DOCKET COPY

RECEIVED
NOV 2 1953

It is agreed this 15th day of September 1953, between the United States of America, acting through the Department of the Interior, Defense Minerals Administration, and J. R. Simplot Co., Boise, Idaho

each acting in consideration of the agreement of the other to the terms hereinafter set forth, that the Exploration Project Contract Idm-E 545 of June 5 1953 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 1953.

This amendment is made by authority granted the Executive Officer, DMEA 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 Robert Simpell
Executive Vice President

THE UNITED STATES OF AMERICA

By M. E. Volin
DMEA Field Team, Region II
M. E. Volin, Acting Exec. Officer

J. R. SIMPLOT COMPANY
Contract No. Idm-E545
Docket No. DMRA 2891 (columbium-tantalum-uranium)

AMENDMENT NO. 2

Exhibit "F"

Changes and Modifications

1. In Exhibit "A" under Operating Equipment - To be Rented add

1 chain saw @ $7/day for 25 days - $175.00

J. R. SIMPLOT COMPANY
Contract No. Idm-2545
Docket No. DMEA 2891 (columbium-tantalum-uranium)

Justification of Amendment No. 2

The original contract made no provisions for a chain saw. The project area has a growth of lodge poles 30 to 40 feet in height that would be hazardous to fall by a bulldozer blade. The lack of provision in the contract for this equipment item was not noticed by the Operator or Government representatives until the Operator started preparing his initial monthly invoice.

The use of a chain saw has contributed to low cost of access road, trench and drill site excavation, as well as to project safety. The proposed $7/day rental rate is about $5 below the rate currently charged by some equipment dealers.

V. Z. Johnson

Docket No. DMEA 2591
(columbium-tantalum-uranium)

DOCKET COPY

AMENDMENT NO. 1

It is agreed this 13th day of July 1953, between the United States of America, acting through the Department of the Interior, Defense Minerals Administration, and J. R. Simplot Co. Boise, Idaho

each acting in consideration of the agreement of the other to the terms hereinafter set forth, that the Exploration Project Contract Idm-E 543 of June 5 1953 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 13 1953.

This amendment is made by authority granted the Executive Officer, DMEA 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 Robert Lowell
Exec. Vice President

THE UNITED STATES OF AMERICA

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

J. R. SIMPLOT COMPANY
Exploration Project Contract Idm-E545
Docket No. DMEA 2891 (columbium-tantalum-uranium)

AMENDMENT NO. 1

Exhibit "F"

Changes and Modifications

1. In Exhibit "A", Description of the Work, item 2, change second line

"with casing eight (8) inches in diameter" to

"with casing six (6) inches in diameter".

2. In Exhibit "A", page 2, under Estimated Costs of the Project, (1) Independent Contracts, add

"Government approval is required for independent drill contracts before Government participation in costs thereof."

J. R. SIMPLOT COMPANY
Contract Idm-E545
Docket No. DMEA 2891 (columbium-tantalum-uranium)

Justification of Amendment No. 1

An independent contract driller with 8-inch casing and 8-inch placer drill was available when the application for an exploration contract was made, and therefore an 8-inch placer drill was requested for the proposed work, part 2, item 5 (b) in the application. During the processing of the application and contract this drill contractor has obligated his time and equipment, but a drilling contractor now bids for the work with 6-inch casing.

It is believed that 6-inch casing and equipment to match will satisfactorily serve the purpose of the relative shallow exploration, as the current Government placer drilling in the area has been done with 6-inch equipment. The maximum allowable - $8.00 per foot - need not be reached for the proposed independent drill contract because currently drillers are doing this work for about $5.50 per foot.

An amendment changing item 2, "Description of the Work" with casing eight (8) inches in diameter to casing six (6) inches in diameter would make it possible to start and continue the contract.

V. Z. Johnson

MF-200
(June 1951)
(Revised Feb. 1952)

DOCKET NO. DMEA 8351

COMMODITY Columbium-Tantalum, and Uranium

UNITED STATES OF AMERICA Docket Copy
DEPARTMENT OF THE INTERIOR IDM-E 545
DEFENSE MINERALS EXPLORATION ADMINISTRATION

EXPLORATION PROJECT CONTRACT[1]

IT IS AGREED this 5th day of June, 1953, 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, a corporation duly organized and existing under Continental Bank Building and by virtue of the laws of the State Boise, Idaho of Idaho hereinafter called the "Operator," as follows: and as set forth in Annexes I, II, and III, attached hereto and made a part hereof

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 Elmore, described as ~~follows:~~ set forth in Annex II

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:~~

(b) That the Operator is a lessee, in possession and entitled to possession, and the ~~owners~~ Co-Owners 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] Columbium-Tantalum and Uranium in or upon the described land; and shall bring the project to completion within a period of 5 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 [illegible] sed on actual, necessary co[illegible] (including contract unit prices) incurred not in excess of any "allowable ma[illegible] excess of the fixed percentage of the total aggregate estimated cost. Costs will be considered to be incurred only as the[illegible] come due and payable.

(*c*) No items of general overhead, corporate mana[illegible]nt, 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 90 percent of the allowable costs incurred, as they accrue, in an aggregate total amount not in excess of $16,371.00, which is 90 percent of $18,190.00, 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: See Annex III, substituted for that part of 9(a) preceding the colon:

(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.* The repayment provisions of Article 9 shall apply also to any amounts received as bonuses, premiums, or allowances, in addition to the sale price or market value of the minerals.

Executed in sextuplicate the day and year first above written.

THE UNITED STATES OF AMERICA

J. R. Superior Company
(Operator)

By W. Grant Kilbourne

By O. Mittendorf
Administrator, Defense Minerals Exploration Administration

I, John [illegible], certify that I am the secretary of the corporation named as Operator herein; that W. Grant Kilbourne, who signed this contract on behalf of the Operator, was then 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 [illegible]

[CORPORATE SEAL]

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

EXPLORATION PROJECT CONTRACT
J. R. SIMPLOT COMPANY
DOCKET NO. DMEA-2891

ANNEX I

Materials and Supplies. For the purpose of determining the Government's interest in materials or supplies remaining upon any termination of the work, they shall be considered in groups or categories (such as pipe, or explosives, or rails, or drill steel), and if the original cost of the remaining unexpended portion of any such group or category exceeded $50, the Government shall have an interest therein as provided in Article 11 of the contract form.

Equities in Equipment. Unless expressly permitted by provisions in Exhibit "A", the operator shall not procure equipment or any other item under a rental-purchase agreement, an installment-purchase agreement, any agreement which creates or builds up an equity or interest in the thing procured which can be converted to legal title only by further payment or some other consideration, or any agreement other than for straight rental or cash purchase and delivery.

Preservation of Property. Until the final disposal of any equipment or other property in which the Government has an interest or equity, the operator shall preserve and protect same for the mutual best interests of the parties, any reasonable and necessary cost thereof to be treated as an allowable cost of the exploration work to which the Government will contribute.

EXPLORATION PROJECT CONTRACT
J. R. SIMPLOT COMPANY
DOCKET NO. DMEA-2891

ANNEX II

The land referred to in Article 2 consists of the following ten unpatented placer mining claims located in Sections 22, 27, 33, 34, and 35, Township 5 North, Range 9 East, Boise Base Meridian, Idaho, as indicated on the map entitled "J. R. Simplot Co., Dismal Swamp Claim Map, DMEA-2891 - Plate I," attached hereto and made a part hereof:

Unpatented Placer Claims	Recorded in Elmore County Court House, Mountain Home, Idaho
Dismal Associated Group No. 1	Book 34 - Page 182
Dismal Associated Group No. 2	Book 34 - Page 181
Associated Gem Group No. 2	Book 34 - Page 211
Associated Gem Group No. 3	Book 34 - Page 210
Associated Gem Group No. 4	Book 34 - Page 211
Lodge Pole	Book 34 - Page 205
Horseshoe	Book 34 - Page 205
Black Stuff	Book 34 - Page 197
Trail Creek Group	Book 34 - Page 204
Chink Claim	Book 34 - Page 195

EXPLORATION PROJECT CONTRACT
J. R. SIMPLOT COMPANY
DOCKET NO. DMEA-2891

ANNEX III

The following provisions are in lieu of all of paragraph (a) of Article 9 which precedes the colon:

If at any time 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 the Operator has rendered the final report and final account required by the exploration project contract, 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 which is the subject of the exploration project contract, 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 (or other period fixed by the contract) 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, in whatever form disposed of, including ore, concentrates, or metal, as follows:

EXPLORATION PROJECT CONTRACT
J. R. SIMPLOT COMPANY
DOCKET NO. DMEA-2891

EXHIBIT "A"

Description of the Work

The purpose of this project is to explore a placer mine for black sands containing columbium, tantalum, and uranium. The work shall consist of the following:

1. With a D-7 or D-8 Caterpillar angledozer or its equivalent, construct a 1½-mile access road from the nearest point on the present Boise-Rocky Bar highway to the subject property. The road is to be wide enough to move safely a drill rig and supplies to the drill sites. On the property, trails or roads will be made to facilitate the moving of the churn drill. The drill sites will also be leveled off by the angledozer, where necessary.

2. Not in excess of 500 feet of churn drill holes, with casing eight (8) inches in diameter, shall be sunk at points marked on attached map entitled "J. R. Simplot Co., Dismal Swamp, DMEA-2891- Plate II." Holes marked X-13, 14, 16, 20, 23, and 27 shall not be drilled, the hole marked XD-30, however, replacing holes marked X-13 and X-14. During the drilling, the drive shoe of the casing shall at all times be below the bottom of the material pumped from the hole. Any excess volume pumped shall be noted in the drill logs. Two shafts shall be sunk to check drilling results.

3. Sample trenches shall be cut with the angledozer to bedrock in areas that are above the water table level. All road work, sample trenches, drill sites, drilling, check shafts, and method of taking and preparing samples are subject to Government approval.

4. Samples taken from the churn drill holes and trenches shall be concentrated at the property by means of sluice boxes and panning and then split into two equal samples. One such sample from each hole and trench shall be delivered to the Government and the other retained by the Operator, who shall have his individual samples analyzed by a Government-approved laboratory for their columbium-tantalum content.

Four weighted composites of the Operator's samples from drilling and trenching shall be tested for columbite, monazite, and other rare earth minerals to determine their respective weight percentage of the total black sand concentrate. Each composite sample shall then be assayed for its columbium, tantalum, thorium, and uranium content. Radiometric and chemical determination of the uranium in each weighted composite sample of black sand shall be required.

5. One mining engineer, approved by the Government, shall be employed on a full-time basis to supervise the entire exploration project. He shall prepare all required reports and supervise the preparation and final distribution of all samples.

Copies of all drill maps, drill hole logs, data on assays, and test work results shall be delivered monthly to the Government.

Estimated Costs of the Project
(*Indicates allowable maximum)

(1)	Independent Contracts		
	Dozing 288 hrs. @ $12.50/hr.* (Refers to actual operating time and includes cost of operator, supplies, maintenance, repair, and moving to subject property.)	$3,600.00*	
	Churn drill 500 feet @ $8.00/ft.* (This includes cost of labor, material, supplies, repair, and moving drill.)	4,000.00*	$7,600.00*
(2)	Labor, Supervision, and Consultants		
	1 Supervising Engineer, 2 months @ $550.00/mo.* (Amount allowed includes $330 for travel and expense, 55 days @ $6.00/day.)	1,430.00*	
	2 Laborers, 55 days @ $12.00/day ea.	1,320.00	
	1 Cook, 2 months @ $400.00/mo.	800.00	3,550.00

(3) Operating Materials and Supplies

Tent and camp accessories	$ 260.00	
Cooking facilities and food for three (3) men	315.00	
Tools	33.00	
Materials for sluiceboxes, shaft windlass and bridges	230.00	
Engineering supplies, sample scale and sacks	87.00	
Drill bits, explosives, etc. for road and 2 shafts	240.00	$1,165.00

(4) Operating Equipment

To be rented

1 Compressor, 110 cu. ft., with 2 jackhammers, drill steel and hoses - 1 week @ $200.00/wk.		200.00

To be furnished by Operator

1 Jeep pickup truck, approximately 60 days @ $.10/mile 1/	512.00*	
1-1/3" Pump, 2 months @ $45.00/mo. 1/	90.00*	602.00*

(5) Rehabilitation and Repairs

None, except as above provided.

(6) New Buildings, Improvements, Installations

None

1/ This covers cost of fuel, repairs, and depreciation.

(7)	**Miscellaneous**		
	Analytical work for columbium and tantalum on 46 samples @ $50.00/each	$2,300.00	
	Preparation and analytical work for uranium, thorium, columbium and tantalum on 4 composite samples @ $200.00/each	800.00	
	Workmen's compensation, employer's liability insurance, and payroll taxes	321.00	$ 3,421.00
(8)	**Contingencies**		1,652.00

* * * *

Total Estimated Cost of Project	**$18,190.00***
Government Participation @ 90%	**$16,371.00***

MF-203

OWNER'S CONSENT TO LIEN

WHEREAS, the undersigned, as ~~owner~~, co-owner, ~~lessee, or seller~~ has an interest in certain property in the State of Idaho, County of Elmore, described as follows:1/

Black Stuff	Associated Gem Group #2
Horseshoe	
Lodge Pole	Associated Gem Group #3
Trail Creek Group	
Dismal Associated Group Number 1	Associated Gem Group #4
Dismal Associated Group Number 2	
Chink	

which is the subject of a proposed exploration project contract, hereinafter called the "contract", between the United States of America, hereinafter called the "Government", and

2/ J. R. Simplot Company

hereinafter called the "Operator"; and

WHEREAS, under certain provisions of said contract which are set forth on the reverse side hereof, the Government is entitled to a percentage royalty on production and to certain other rights and equities which do or may conflict with or be adverse to the interest of the undersigned in said property;

NOW THEREFORE, the undersigned, in consideration of said contract and as an inducement to the Government to enter into same, undertakes and agrees as follows:

1. The Government's equity in and right to dismantle, sever, take possession of, and remove and dispose of facilities, buildings, fixtures, equipment, or other items as provided in the contract, or any amendment thereof, shall prevail over and be prior and superior to any conflicting or adverse rights of the undersigned, and the Government is authorized to enter upon the land for such purposes.

2. To secure the payment to the Government of the percentage royalty on production3/ provided for under the terms of said exploration project contract, or any amendment thereof which does not increase the maximum amount of the Government's claim here stated or alter the provisions for repayment, there is hereby granted to the Government a lien upon the land herein described and upon any production of minerals therefrom, until the royalty claim is fully paid in the amount of the Government's contribution, not in excess of 4/$ 17,402.40, or ten years have elapsed from the date of the contract.

3. The undersigned shall commit no act nor assert any claim that may contravene or conflict with the lien, claim, or rights of the Government under the provisions of said contract. This agreement shall be binding upon the heirs, executors, administrators, successors, and assigns of the undersigned.

Dated this 5th day of February, 1953.

Idaho Gem Mining Company

Edward Becker Horace D. Ogden [Seal]

George M. Lont Gracia R Lont [Seal]

Arthur T. Smith Florence C Smith [Seal]

1/ Either (a) insert the legal description of the land, or (b) strike out the words "as follows" and insert "in a lease [or contract, deed, or other document] dated _____, and recorded in book _____ page _____ official records of said county." If (b) is used, the book and page of recordation cannot be dispensed with. If the space provided is insufficient, use an Annex, and refer to the Annex in the space.

2/ Insert the name of the Operator as it will appear in the exploration project contract.

3/ Mining or production from the land is not required, and in the absence of production there is no obligation to repay the Government.

4/ Insert the maximum amount of the Government's contribution.

RELEVANT CONTRACT PROVISIONS

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 six 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) per cent of any such net amounts not in excess of eight dollars ($8.00) per ton.

(2) One and one-half (1½) per cent of any such net amounts, plus one-half (½) per cent 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) per cent 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) per cent; on a net amount of ten dollars ($10.00) per ton, three and one-half (3½) per cent.)

(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, 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.

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.

dmea 2891

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

February 9, 1953

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
FEB 16 1953

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

Dear Mr. Selfridge:

Enclosed are three copies of an application submitted by J. R. Simplot Company for the exploration of a Columbium and Tantalum placer property in Elmore County, Idaho, together with Owner's Consent to Lien forms from the Idaho Gem Mining Company. The Field Team's comments on the application will be forwarded to you as soon as possible. We have retained one copy of the application.

Sincerely yours,

A. E. Weissenborn

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

Enclosures 2
cc: USBM (2)
Armstrong

J. R. SIMPLOT COMPANY

GENERAL OFFICES

CONTINENTAL BANK BUILDING

BOISE, IDAHO

dmea 2891

February 5, 1953

Defense Minerals Exploration Administration
South 157 Howard Street
Spokane 8, Washington

Gentlemen:

Submitted herewith for consideration, is DMEA Form #103 completed on the Dismal Swamp Columbium-Tantalum placer property located in Elmore County, Idaho, requesting aid in the amount of $19,336.00 of which the J. R. Simplot Company agrees to furnish 10% as outlined in the Defense Minerals Exploration program.

This property was examined in August of 1952 by Edwin J. Carlson of the Rare and Precious Metal Branch of the Bureau of Mines, Washington, D. C., and R. H. Storch, Chief of the Special Mineral Section, Bureau of Mines, Region II.

Very truly yours,

O. E. POTHIER
Mining Engineer

OEP:mmb

Encls: DMEA Form MF-103
Technical data to accompany form MF-103
Copy of lease contract
Copy of modified lease contract
Map of Dismal Swamp
Copies of assay data
Subordination agreement Form MF-203

RECEIVED
FEB 9 1953
U. S. G. S.
SPOKANE, WASH.

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

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 2891
Metal or Mineral
Date Received 2-16-53
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: J. R. Simplot Company, Continental Bank Bldg., Boise, Idaho

(*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

(*b*) State any mine name by which the property is known. Dismal Swamp

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

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

(*e*) If you own the land, describe any liens or encumbrances on it

(*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.*—(*a*) State the mineral or minerals for which you wish to explore Columbium and Tantalum

(*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 ..... days and be completed within ..... 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)? Yes

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

☐ Money ☐ Use of equipment owned by you ☐ Other

Explain in detail on acompanying paper.

CERTIFICATION

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

Dated February 6, 1953

J. R. Simplot Company
(Applicant)

By Oscar Lynell
Executive Vice President

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

GENERAL TECHNICAL DATA

TO

ACCOMPANY FORM MF-103

1(a) - Name of Applicant:

J. R. Simplot Company, Continental Bank Bldg., Boise, Idaho
(An Idaho corporation)

President:	J. R. Simplot - Boise, Idaho
Executive Vice President:	Robert I. Troxell - Boise, Idaho
Vice Presidents:	W. Grant Kilbourne Boise, Idaho Leon C. Jones Caldwell, Idaho E. W. Hansen Pocatello, Idaho George R. Duff Auburn, California Clayton Almquist Caldwell, Idaho L. W. Hayes Caldwell, Idaho John Rambosek Burley, Idaho
Secretary-Treasurer:	John M. Dahl Boise, Idaho

3(a) - Applicant's Property Rights:

All the below described lands are located in Elmore County, Idaho:

S½ NE¼ of Sec. 34 T5N R9EBM
N½ NE¼ of Sec. 34 T5N R9EBM
E½ SE¼ of Sec. 27 T5N R9EBM
E½ NE¼ of Sec. 27 T5N R9EBM

3(f) -

Dismal Associated Group	#1	Bk. 34	Page 182
Dismal Associated Group	#2	Bk. 34	Page 181
Associated Gem Group	#2	Bk. 34	Page 211
Associated Gem Group	#3	Bk. 34	Page 210
Associated Gem Group	#4	Bk. 34	Page 211
Lodge Pole Part in sec 28		Bk. 34	Page 205
Horseshoe		Bk. 34	Page 205
Black Stuff		Bk. 34	Page 197
Trail Creek Group		Bk. 34	Page 204

The above claims are on record in Elmore County Court House, Mountain Home, Idaho.

4(a) - Prospecting was carried on by digging pits by hand in the summer and fall of 1952. The purpose of this was to determine the amount of Columbium and Tantalum sands present where hand methods could be used and to procure a sample of the black sand concentrates for beneficiation test purposes. The men who located the ground and from who J. R. Simplot Company has a lease, performed this work. They were paid on an hourly basis to secure a sample for beneficiation purposes.

This work was limited to areas above the water table.

The test holes are small open pits which would be accessible for examination in the spring when the snow is melted from the area.

4(b) - No past production of Columbium-Tantalum. Current production limited to samples for test purposes.

Information is lacking for estimate of ore reserves; however, the area to be drilled is approximately 100,000 square yards.

The known depth of the deposit is from o' to 20' plus with the mineral-bearing gravels near bedrock.

See attached assay reports for analysis of the product.

4(c) - Mineralization occurs in water washed gravels as a result of the erosion of numerous small pegmatite dikes in granite containing

Columbium and Tantalum. These heavy minerals are concentrated near bedrock much the same as gold. It is our wish to explore this property by use of a placer drill to determine the amount and concentration of Columbium and Tantalum. From the limited work done to date, it is indicated there could be about 500,000 yards of material containing from one to five pounds of 40% Cb_2O_5 and 5% Ta_2O_5 per yard which would require no further concentration before marketing.

4(d) - The property is located 115 miles from Mountain Home, Idaho - a point on the Union Pacific Railroad; thence one mile by trail to the property. The road is hard surfaced for twenty miles north of Mountain Home; thence, 88 miles of improved gravel road to Rocky Bar, the nearest post office; thence six miles by good mountain road to a point where $1\frac{1}{2}$ miles of road will have to be built. All supplies will be obtained from Boise, a distance of 158 miles from the property, and Mountain Home - 115 miles from the property.

Residence will be on the property where tents will be used for living quarters and a cook house built.

4(e) - Manpower can be obtained at Rocky Bar or Mountain Home where there is an adequate supply for the project. Equipment will be obtained on a rental and/or contract basis from Boise or vicinity where it is available; however, it is possible that the J. R. Simplot Company may have available part or all of the needed equipment for this project as listed under 6(a) Contracts and 6(f) Roads. If so, it will be supplied at the same rates as listed in the cost schedule. Supplies will be obtained from Mountain Home or Boise. Water is ample on the property. Power to operate, gas or diesel, will be an integral part of the equipment.

5(b) - The proposed work will consist of:

1. Building an access road $1\frac{1}{2}$ miles from the existing road to and on the property and to construct roads to facilitate moving the drill.

2. Drilling of churn drill holes, marked on sketch, with an 8" placer drill to determine the amount of values present in the gravels. The depth of the holes cannot be determined at this time as it is not known the depth to bedrock. (See accompanying map)

   The proposed drill holes marked on the accompanying map may not all be drilled if the values are found to be uniformly distributed. Should the extent of the placer gravel be greater than assumed, then additional testing will be required outside the boundaries as shown.

3. Sink at least two and possibly more shafts around drill holes, to be determined later, for purposes of checking drilling results.

4. Dig trenches for sampling with the cat where bedrock is above the water table and the depth to bedrock is not too great for this type of testing.

5(c) - It is important that this work be started as soon as possible after the snow is melted in order to take full advantage of the short summer season. Normally, the area is accessible from about June 1st. It is our desire to start this program as soon thereafter as possible. The program is expected to be completed within two months unless findings in this period make it advisable to do additional work.

5(d) - J. R. Simplot Company is now operating three dredges for the recovery of rare earths and gold. The company has had several years' experience in testing and operating these types of properties.

The person or persons to be in charge of this project are now in the employ of J. R. Simplot Company in the capacity of Mining Engineer and/or geologist who have had several years' experience testing and evaluating placer deposits.

6(a) - Independent Contracts

Placer drilling, 8" churn drill - estimated cost $8.00/ft. including moving - 500' @$8.00/ft. (Note) Cannot estimate exact footage as depth to bedrock not known.	$4,000.00	
D-7 or D-8 Caterpillar tractor or equivalent in another make, with blade.		
Rental @$12.50/hr. - 45 days To be used on construction of road to property, preparing drill sites, prepare sample trenches where bedrock is above the water table and build roads on the property to facilitate moving of the drill.	$3,600.00	
		$7,600.00

6(b) - Labor, Supervision and Consultants

Supervision	2 months @ $500.00/mo.	$1,000.00	
Mining Engineer	2 months @ $550.00/mo.	1,100.00	
Expenses on above	60 days @ $ 6.00/day ea.	624.00	
Laborers (2)	2 months @ $ 1.50/hr.6day wk.	1,325.00	
Cook	2 months @ $400.00/mo.	800.00	
			$4,849.00

6(c) - Operating Material & Supplies

Sample sacks	$ 50.00	
Camp supplies - food, subsidize three men @ $1.00/day	180.00	
Engineering supplies-map, paper, etc.	25.00	
Sluice box for washing samples to be constructed (lumber, screen, pad)	35.00	
Two picks - two shovels	16.00	
Windlass for shafting	30.00	
Saws - axes	17.00	
Power will be integral part of the equipment,ie. gas or diesel		
Water for drilling included in contract price.		
Fuel-for operation included in contract price.		
		$ 353.00

6(d) - Operating Equipment

Camp equipment:		
One tent	$ 85.00	
Five beds and mattresses @ $25.00	125.00	
Stove	90.00	
Cooking equipment, excl. stove	45.00	
		$ 345.00
1½" Pump - Gas powered - to be used in sinking shafts and to supply water for preparation of samples. Owned by company. (nearly new pump. Suggest use allowance basis of $45.00/mo.)	$ 90.00	
Scales - for weighing of samples (Spring type)	$ 12.00	
Jeep pickup truck - Owned by J. R. Simplot Company. Operate on a mileage basis to cover fuel, repair and depreciation - 10¢ mile,sixty days	$ 512.00	
		$ 614.00

6(e) - Rehabilitation and Repairs

None.

6(f) - New Buildings, Improvements, Installations

Road - 1½ miles from existing road to and on the property.

Compressor - 110 cu. ft.		
2 jack hammers - steel and hoses		
Above on rental basis for one week to complete road.	$ 200.00	
Drill bits - Estimate bit consumption	$ 300.00	
Dynamite - ten boxes @ $18.00	$ 180.00	
Camp		
Tent frame for cook house	$ 50.00	
Bridge - one or two small bridges. Can be constructed from existing material on property except for deck	$ 165.00	
		$ 895.00

6(g) - Miscellaneous

Repairs and maintenance of operating equipment included in contract price:

Analytical work - 50 samples @ $50.00 ea.	$ 2,500.00	
Workman's Compensation, Employers' liability insurance and payroll taxes	422.50	
		$ 2,922.50

6(h) - Contingencies

10% of above total	$ 1,757.50	
		$ 1,757.50
TOTAL ESTIMATED COST OF PROJECT		$ 19,336.00

7(b) - The J. R. Simplot Company will furnish its share of this project in money upon receipt of statement showing their liability. In the event the J. R. Simplot Company furnishes part or all of the equipment necessary for this project, it is suggested the dollar value of this type of participation be deducted from the J. R. Simplot Company's share of the costs and the balance due the DMEA will be paid in money.

C O P Y

LEDOUX & COMPANY,
(INC.)
ENGINEERS CHEMISTS AND ASSAYERS

155 Avenue of the Americas New York

REPORT OF ASSAY

No. 678717 New York 13, N.Y. Aug. 29, 1952

Our assay of the sample of ORE

From J. R. SIMPLOT CO.

Marked: and submitted to us, shows:

After drying:

Columbium Oxide - - - - - 30.40%
(Cb_2O_5)

Tantalum Oxide - - - - - 6.51%
(Ta_2O_5)

* * * * * * *

To: J. R. SIMPLOT CO.

LEDOUX & COMPANY, INC.

C O P Y

FANSTEEL METALLURGICAL CORPORATION

North Chicago, Illinois,U.S.A.

June 23, 1952

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

Gentlemen:

We confirm Mr. D. F. Taylor's telephone conversation with you regarding the sample of "black sand" you submitted. This is not suited for our use because of its low tantalum content; however, it is still a valuable product since it contains the following:

Cb_2O_5 - Approximately 40%

Ta_2O_5 - Approximately 5%

Magnetic Iron Oxide - Approximately 10%

Garnet - Small Amount

Titanium, zirconium, aluminum, tin and thorium were found to be present.

The material is radioactive.

Very truly yours,

FANSTEEL METALLURGICAL CORPORATION

/S/ N. P. LUNN

Purchasing Agent

N P Lunn
MB

C O P Y

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Washington 25, D. C.

July 30, 1952

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

Attention: Mr. Pothier

Gentlemen:

Some two weeks ago you submitted a sample of heavy minerals sands from Roaring River, Elmore County, Idaho. The following mineralogical analysis was made:

	Percent
Magnetite	1
Ilmenite	2-5
Garnet	4
Columbite	68-73
Samarskite, Euxenite	3-5
Quartz	6
Monazite	3-5
Zircon (including cyrtolite)	4-5

A rough chemical assay of the columbite fraction indicated 68 percent earth acids. The gravity of the mineral, 5.45, corresponds to about 72 percent Cb_2O_5 and 6 percent Ta_2O_5. Calculated to the original heavy mineral concentrate, these figures would give about 49 percent columbium oxide and 4 percent tantalum oxide. No earth acids determination was made on the samarskite - euxenite fraction, but you may assume them to contain 40 to 50 percent earth acids.

We have not yet had an opportunity to run an accurate radioassay on these sands, but you may tentatively consider the ThO_2 equivalent to be approximately 3 percent.

As you probably know, the Bureau of Mines now does no exploratory drilling on Bureau funds. All such work is handled by the DMEA on a loan basis. The only exception is some special project work that the Bureau does under contract with the AEC, such as our monazite investigations in Idaho and elsewhere.

I expect to be in Boise for a number of days around August 20. I shall be glad to discuss this deposit further with you at that time. Dick Storch will know well in advance of my arrival; so you may keep in contact with him.

Very truly yours,

/S/ EDWIN J. CARLSON
Edwin J. Carlson

C O P Y

ABBOT A. HANKS, INC.
ASSAYERS, CHEMISTS, ENGINEERS
624 Sacramento Street
San Francisco

July 8, 1952
J. R. Simplot Co.
Continental Bank Building
Boise, Idaho

Deposited by

Sample of SAND CONCENTRATE

Labty. No.	Mark	Percentages	
43027	Sand Concentrate	Columbium Oxide (Cb_2O_5)	32.40%
		Tantalum Oxide (Ta_2O_5)	6.10

ABBOT A. HANKS, INC.
Original signed
by:
MARTIN P. QUIST

bob

MINING LEASE

THIS MINING LEASE Made and entered into this 12th day of June, 1952, by and between HORACE D. OGDEN, an unmarried man, having his residence in Elmore County, State of Idaho, and EDWARD BECKER, an unmarried man, having his residence in Elmore County, State of Idaho, and GEORGE M. LOWT and GRACIA R. LOWT, his wife, residents of the City of Boise, County of Ada, State of Idaho, and ARTHUR T. SMITH and FLORENCE C. SMITH, his wife, residents of the City of Boise, State of Idaho, all doing business under the firm name and style of IDAHO GEM MINING COMPANY, referred to herein as "lessors", parties of the first part, and J. R. SIMPLOT COMPANY, an Idaho corporation, having its principal place of business at Boise, Idaho, party of the second part, referred to herein as "lessee, WITNESSETH:

WHEREAS, The lessors are the owners of certain unpatented mining claims described as follows:

Black Stuff
Horseshoe
Lodge Pole
Trail Creek Group
Dismal Associated Group Number 1
Dismal Associated Group Number 2
Chink

located in an unorganized mining district in the County of Elmore, State of Idaho, the location notices of which are recorded in the office of the County Recorder for Elmore County in the City of Mountain Home, State of Idaho;

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

WHEREAS The Lessors are the owners of the above described mining claims, free from any outstanding claims or interests, and they desire to lease to the Lessee and the Lessee desires to lease from the Lessors said mining claims and the real property covered thereby subject to the terms and conditions herein set forth;

NOW THEREFORE, In consideration of the premises and of the covenants and agreements of the respective parties hereto herein set forth and in consideration of the sum of ONE AND NO/100 DOLLARS ($1.00) by the Lessee to the Lessors in hand paid, the receipt whereof is hereby acknowledged, and in further consideration of the royalties herein provided to be paid, it is mutually covenanted and agreed between the parties hereto as follows:

Section 1. The Lessors do hereby let, lease and demise unto the Lessee the above described mining claims and appurtenances for the term of twenty years, with a right to renew this lease for so long thereafter as mining operations shall be conducted by the Lessee upon said mining claims; giving and granting to the Lessee full and complete right and authority to take possession of the above described mining claims and appurtenances and to explore, develop and mine said mining claims and to mine, extract ores and values from the real property covered by the above described mining claims and to determine the methods to be utilized in concentrating, purifying and processing the mining products and to market and sell the same during the entire term of this Lease or until terminated within the term of this Lease as herein provided.

Section 2. (a) Subject at all times to its right to surrender this Lease and be relieved of any and all further obligations to perform hereunder, the Lessee does hereby agree to pay to the Lessors as a mining royalty, a sum of money equivalent to the following:

> 10% of the net sale returns for all ore or minerals mined and shipped.

(b) It is agreed that the mining royalty payable under the provisions of paragraph (a) of this section shall not be less than $10,000.00 per year, (which minimum royalty shall begin to accrue July 1, 1953 and the first such minimum royalty of $10,000.00 to be paid on or before July 1, 1954 and each subsequent minimum royalty of $10,000.00

to be paid on July 1st of each year thereafter; and mining royalty in excess of $10,000.00 paid in any year shall not be carried forward to off-set against the minimum royalty in any subsequent year.

(c) The term "net sale returns" shall be understood and interpreted to mean the gross amount received for the sale of the ores, sands, product and values, less all expense of transportation from mine to mill and from mill to point of delivery to buyer of the ores, sands, product and values, and all milling and processing expense. The royalty payable to the Lessors thereon shall be due and payable on the 20th day of each month and each such royalty payment shall be computed on the full amount of mine products recovered by the mining operations of the Lessee for which payment has been received by the Lessee for the sale thereof during the month immediately preceding the first day of the month in which such royalty payments shall become due.

(d) Lessee agrees to pay the sum of TWO HUNDRED AND NO/100 DOLLARS ($200.00) monthly as advance royalty during the months of July, August and September, 1952, the first payment of which is to be made on July 1, 1952.

All royalty payments shall be deposited to the account of the Lessors in such banking institution as the Lessors shall designate in writing and shall be disbursed by such banking institution in the names requested by the Lessors. At the time of making such payment of mining royalty, the Lessee shall transmit to the designated banking institution a statement of the amount, kind and nature of minerals recovered through the mining operations of the Lessee for which royalty is then being paid.

Section 3. It is agreed that the Lessee shall have the immediate right to enter upon said mining claims and to carry on exploration and development work and mining operations thereon and therein and in connection therewith, with the privilege to test, mine, explore and otherwise work said mining claims in such a manner as it shall deem advisable and for good and economical mining and the Lessee shall have the privilege to

continue to so test, explore, develop, mine and work said mining claims as long as it shall not be in default under the terms of this agreement or delinquent in payments to be made thereunder, and all records of said exploration, drilling, testing and development shall be made available upon request to Lessors or their duly authorized representatives.

Section 4. Lessee agrees to commence actual mining operations upon said mining claims on or before July 1, 1953 and in the event Lessee does not commence said mining operations by such date, it agrees to surrender possession of all of said claims to the Lessors and to forthwith terminate this lease.

Section 5. The Lessee agrees to keep an accurate record of all minerals and mined products which shall be mined and removed from said mining claims, to which record the Lessors shall have access at reasonable times for the purpose of determining if the Lessee has complied with the terms and provisions of this agreement.

Section 6. The Lessors shall have the privilege to enter upon said mining claims at reasonable times and to examine the mining operations and explorations thereon by the Lessee.

Section 7 (a). The Lessors agree that on or before the first day of June, 1953 and the first day of June of each year thereafter, they will perform that share of the annual assessment work required by Statute to maintain said mining claims, for the performance of which the Lessors are obligated, and will file in the office of the Recorder of Elmore County, State of Idaho, legal proof of performance of such assessment work; unless the requirement for assessment work is waived by the Congress of the United States prior to the 15th day of May of the year involved,

(b) The Lessors warrant that they are the owners of all of the above described mining property, subject only to the paramount title of the United States of America with respedt to said mining property and the Lessors covenant that the Lessee complying with the terms and conditions

hereof shall peaceably and quietly have the right to hold and enjoy the use, occupancy and privileges, for the purposes herein provided, of all of said premises.

(c) The Lessors agree to locate claims and to perfect their title of ownership on prospective mineral lands situated in Bear Gulch and Deadman's Creek in the vicinity of said mining claims, and it is agreed that said claim so located shall be subject to the terms and conditions of this lease.

Section 8. The Lessee agrees to pay the license taxes or severance taxes or use taxes which may be levied either by the United States of America or the State of Idaho upon the mineral products produced from said mining claims. In the event the validity of such tax shall be contested, the failure of the Lessee to pay any such tax at the time the same shall become due prior to determination of the validity of such contest shall not constitute a violation of the terms and conditions of this agreement. It being understood, however, that Lessee shall not be liable for payment of that portion of the net proceeds tax assessed against the Lessors as royalty holders.

Section 9. The Lessors, for themselves, their heirs, executors, administrators and assigns, do hereby covenant and agree that they will forever defend their interest in and to all of said mining claims against any and all persons whomsoever claiming the same or any interest thereby by, through or because of any former relationship with any person, in the real property covered by said mining claims, or any former deed, grant or location made by the Lessors or either of them. During the term hereof, should other parties assert ownership or right, title or interest in and to said mining claims of such nature that if established, the Lessors would not actually own the said mining claims herein asserted by them, then and in that event, the Lessee shall have the

privilege to pay royalties otherwise payable to the Lessors hereunder into court through interpleader proceedings or into escrow in any banking institution for ultimate payment to the persons or parties determined to be entitled thereto, and by so doing, the Lessee may continue its mining operations upon said property.

Section 10. The Lessors agree that there are no debts or obligations which may be or may hereafter become a lien upon said mining claims or the real property covered thereby.

Section 11. On or before April 1, 1953, the Lessors agree to furnish to the Lessee an Abstract of Title for the locations of said mining claims, which Abstract of Title shall be extended to the date of delivery and shall be certified by a bonded abstractor of the State of Idaho; and the Lessors agree that such Abstract of Title shall show a possessory title in the Lessors to said mining claims (the legal title to the real property covered by said mining claims being in the United States of America). Upon examination on behalf of the Lessee, should any defects, irregularities or objections be found of such nature as may interrupt the occupancy or mining operations of the Lessee, the Lessors agree to remove and correct such defects, irregularities or objections to the end that such title shall be made safe for the continued occupancy and mining operations of the Lessee.

Section 12. At its sole discretion and expense, the Lessee shall have the right to erect upon the real property covered by said mining claims, such buildings and structures and install thereon such machinery, mills or other mining plant equipment or property as it shall be necessary or advisable to carry on such mining operations, and the Lessee shall have the full right to the possession of such property and the use of water flowing through such property for mining purposes, and shall have the right to construct ditches, roads, power and pipelines, dikes, drains or diversion works and all other facilities

upon or across any portion of said property and to make such alterations, cuts, tunnels or excavations thereon as it may desire in connection with mining operations thereon and therein.

Section 13. It is agreed that the title to all machinery, equipment, mining plants, buildings, power and pipe lines and all other structures placed upon the property covered by said mining claims by the Lessee, shall be and remain the sole and exclusive property of the Lessee at all times and the Lessee shall have the right and privilege to remove all or any of the same at any time and in the event of a forfeiture, cancellation or termination of this agreement, any or all of such mining plant, machinery, equipment, buildings, structures, power and pipe lines, etc., may be removed by the Lessee within a period of twelve months from the time of such termination.

Section 14. All charges and expenses incurred by the Lessee or those in privity with it shall be promptly paid by the Lessee, and if any valid lien or liens shall be filed against said premises by reason of any such charges and expenses, the Lessee agrees to promptly pay and discharge such lien or liens, including all costs or charges incurred or allowed in connection therewith, and further, agrees to hold lessors harmless on account of any such lien or liens or claims or costs or expenses.

Section 15. Time is strictly of the essence of this Lease and in the event the Lessee fails to make any of the payments as herein provided, or fails to perform any of the covenants hereof, then and in that event, the Lessors shall have the option of declaring this Lease forfeited, said option to be exercised by the Lessors giving written notice to the Lessee by registered mail, specifying the particulars wherein this agreement is not being carried out, and providing that unless the delinquent payment is made, or the failure to perform corrected, within sixty (60) days from the date of such notice, said

agreement shall be immediately forfeited and terminated, and upon such forfeiture and termination, the said Lessee shall be without right, title or interest in or to said property hereby leased, but the buildings, structures, or other plant, machinery and equipment placed by the Lessee on said property may be removed by it as hereinbeforeprovided.

Section 16. The service of said notice on Lessee shall be made by sending the same by registered mail to it in care of J. R. Simplot Company, 212 Continental Bank Building, Boise, Idaho. The date of such notice shall be the day it shall be deposited in a United States Post Office within the State of Idaho for transmission to the Lessee.

Section 17. Upon termination of this lease, the Lessors shall retain unto themselves all moneys theretofore paid to them under the terms hereof, and shall receive all moneys which shall become due to them under the terms hereof to the time of such termination, and retain the same, all as lease moneys, royalties for the said premises and as the reasonable value of the use and occupation of said premises during the time possession thereof shall be retained under the terms and conditions of this Lease, and upon any such termination, the Lessors shall be thereupon entitled to the possession of said premises, and the Lessee shall quit and surrender the said premises immediately to the Lessors.

Section 18. It is understood and agreed that the Lessee may relinquish the said described premises to the Lessors and voluntarily terminate this lease at any time, without further liability or responsibility to perform hereunder, except for the payment of mining royalties reserved for minerals and mine products theretofore recovered and shipped from said property by the mining operations of the Lessee. It is further understood and agreed that should the Lessee relinquish such premises, or should this agreement be voluntarily terminated by the Lessee or forfeited by the failure of the Lessee to perform or its failure to make any of the royalty payments hereinbefore provided,

then the sole and only remedy of the Lessors shall be the retention as liquidated damages of the moneys theretofore paid to them by the Lessee, the recovery of royalties theretofore not paid to them by the Lessee for minerals and mine products recovered and shipped through the mining operations of the Lessee, and the recovery of the full possession of such premises.

Section 19. Without the necessity of consent by the Lessors, this Lease may be assigned by the Lessee and any such assignee shall have all of the rights and privileges, and all of the obligations of the Lessee named herein. If any assignment be made by the Lessee, the assignee may give written notice to the Lessors of any change of address to which the notices provided for herein shall be sent, and upon receipt of such notice of change of address, the Lessors shall thereafter, and until further notice, send the notices provided for herein to such address.

Section 20. Lessee agrees to assume full responsibility and to defend any action at law or claim brought by an individual, the government of the United States or of the State of Idaho, for damages alleged to have been caused by Lessee's mining operations upon said mining claim.

Section 21. This agreement shall be binding upon and shall inure to the heirs, administrators, successors and assigns of the respective parties hereto.

IN WITNESS WHEREOF, This agreement has been executed by the parties hereto the day and year first above written.

IDAHO GEM MINING COMPANY

By /S/ HORACE D. OGDEN
Horace D. Ogden

By /S/ EDWARD BECKER
Edward Becker

By /S/ GEORGE M. LONT
George M. Lont

By /S/ GRACIA R. LONT
Gracia R. Lont

By /S/ ARTHUR T. SMITH
Arthur T. Smith

By /S/ FLORENCE C. SMITH
Florence C. Smith

Lessors

J. R. SIMPLOT COMPANY

By /S/ ROBERT I. TROXELL
Executive Vice President

Lessee

(SEAL)

ATTEST:

/S/ JOHN M. DAHL
Secretary

STATE OF IDAHO)
) SS.
COUNTY OF ADA)

On this 12th day of June in the year 1952, before me, L. E.HAIGHT, Notary Public in and for said State, personally appeared HORACE D. OGDEN, EDWARD BECKER, GEORGE M. LONT, GRACIA R. LONT, ARTHUR T. SMITH and FLORENCE C. SMITH, 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.

(SEAL)

/S/ L. E. HAIGHT
Notary Public for Idaho
Resident: Boise, Idaho

STATE OF IDAHO)
) SS.
COUNTY OF ADA)

On this 12th day of June in the year 1952, before me, L. E. HAIGHT, Notary Public in and for said State, personally appeared ROBERT I. TROXELL, known to me to be the Executive Vice President of the corporation that executed the instrument and acknowledged to me that such corporation 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.

(SEAL)

/S/ L. E. HAIGHT
Notary Public for Idaho
Resident: Boise, Idaho

MODIFICATION OF MINING LEASE

WHEREAS On the 12th day of June, 1952, HORACE D. OGDEN, an unmarried man, having his residence in Elmore County, State of Idaho, and EDWARD BECKER, an unmarried man, having his residence in Elmore County, State of Idaho, and GEORGE M. LONT and GRACIA R. LONT, his wife, residents of the City of Boise, County of Ada, State of Idaho, and ARTHUR T. SMITH and FLORENCE C. SMITH, his wife, residents of the City of Boise, State of Idaho, all doing business under the firm name and style of IDAHO GEM MINING COMPANY, referred to herein as "lessors", parties of the first, and J. R. SIMPLOT COMPANY, an Idaho corporation, having its principal place of business at Boise, Idaho, party of the second part, referred to herein as "lessee", made and entered into a Mining Lease whereby the lessors leased certain unpatented mining claims to the lessee, more particularly described as follows:

Black Stuff
Horseshoe
Lodge Pole
Trail Creek Group
Dismal Associated Group Number 1
Dismal Associated Group Number 2
Chink

all of which are located in the County of Elmore, State of Idaho; and

WHEREAS The parties thereto now desire to amend said Mining Lease and to make subject to all of the terms of said Mining Lease certain additional unpatented mining claims;

NOW THEREFORE, IT IS MUTUALLY AGREED By and between the lessors and the lessee herein that the following described unpatented mining claims are and shall be subject to the terms and conditions of said Mining Lease entered into on the 12th day of June, 1952;

Associated Gem Group #2
Associated Gem Group #3
Associated Gem Group #4

located in an unorganized mining district in the County of Elmore, the location notices of which are recorded in the office of the County Recorder for Elmore County in the City of Mountain Home, State of Idaho;

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

Nothing herein contained shall change or affect said Mining Lease in any other particular than is expressly mentioned herein.

IN WITNESS WHEREOF, This agreement has been executed by the parties hereto the 23rd day of July, 1952.

IDAHO GEM MINING COMPANY

By _____
Horace D. Ogden

By _____
Edward Becker

By _____
George M. Lont

By _____
Gracia R. Lont

By _____
Arthur T. Smith

By _____
Florence C. Smith

LESSORS

J. R. SIMPLOT COMPANY

By _____
Executive Vice President

LESSEE

ATTEST:

_____
Secretary

STATE OF IDAHO)
) SS.
COUNTY OF ADA)

On this 23rd day of July, in the year 1952, before me Lloyd Knight, Notary Public in and for said State, personally appeared HORACE D. OGDEN, EDWARD BECKER, GEORGE M. LONT, GRACIA R. LONT, ARTHUR T. SMITH and FLORENCE C. SMITH, 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.

Notary Public for Idaho
Residence: Boise, Idaho

STATE OF IDAHO)
) SS.
COUNTY OF ADA)

On this 23rd day of July, in the year 1952, before me Lloyd Knight, Notary Public in and for said State, personally appeared ROBERT I. TROXELL, known to me to be the Executive Vice President of the corporation that executed the instrument and acknowledged to me that such corporation 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.

Notary Public for Idaho
Residence: Boise, Idaho

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

DOCKET COPY

Ellis Cone

Project Summary Report

By: F. L. Knouse October 12, 1954

1. Docket No. DMEA-2891 (Columbium-tantalum and uranium)
Contract No. Idm-E545
Property - Ten unpatented placer mining claims located in Sections 22, 27, 33, 34, and 35, Township 5 North, Range 9 East, Boise Base Meridian (Dismal Swamp Placer Prospect), Elmore County, Idaho

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

Operator's property rights - Operator is lessee. Co-Owners' Consent to Lien, dated February 3, signed by Idaho Gem Mining Company (signatures of Edward Becker, Horace D. Ogden, George M. Lont, Gracia R. Lont, Arthur T. Smith and Florence C. Smith), attached to contract.

2. Contract - dated June 5, 1953

Work authorized -

Dozing, 1-1/2 mile road, drill sites, and sample trenches	$3,600.00
500 feet churndrilling	4,000.00
Labor and supervision, plus taxes and insurance	3,871.00
Operating materials and supplies (no salvage value)	1,165.00
Operating equipment (furnished by Operator and rented)	802.00
Analytic work on samples	3,100.00
Contingencies	1,652.00
Total	$18,190.00
90% Government participation	$16,371.00

Amendments -

Amendment No. 1, dated July 13, 1953, changes size of drill casing from 8" to 6"; independent drilling contracts subject to Government approval.

Amendment No. 2, dated September 15, 1953, provides rental of chain saw - $175.00, without change in total cost of contract.

Amendment No. 3, dated October 20, 1953, change bulldozing from independent contract to unit cost, same hours, same price, same total.

Work completed:

1.6 miles of jeep access road was constructed by bulldozer.

16 bulldozer trenches, 6 to 12 feet deep, were cut.

25 churn drill hole sites were prepared by bulldozer.

25, 6-inch, churndrill holes from 6.5 to 18.5 feet deep were drilled. The total footage drilled was 329.4 feet.

Shaft No. 1, 10.5 feet deep and 5 by 5 feet in cross section and untimbered, was sunk to bedrock around Drill Hole No. 8.

Shaft No. 2, 12.1 feet deep and 5 by 5 feet in cross section and untimbered, was sunk to bedrock around Drill Hole No. 4.

All of the bulldozer trenches and churn drill holes and both of the shafts are located on the Associated Gem Group Nos. 2 and 3 claims.

The units of work completed and their respective costs were as follows:

Bulldozing - 215½ hours @ $12.50/hr.	$2,693.75
Churn drilling - 329.4 feet @ $5.2527/ft.	1,730.25
Two test shafts @ $217.09	434.18
Supervision & labor costs	2,614.75
Sampling & analysis costs	253.21

The project was started July 22, 1953. Field work was completed by the middle of September 1953. After completion of the field work, mineral separations were made and selected separated fractions were analyzed at J. R. Simplot Company's plant in Boise, Idaho. The Operator's final report was received by DMEA Field Team, Region II, on January 26, 1954.

3. Audit Report of Review, dated April 25, 1954.

The total accepted project costs were $8,834.97 in which the Government's 90 per cent participation was $7,951.47.

There were no jointly purchased equipment or supply items, and there were no new buildings or improvements; therefore, there were no salvage problems.

4. Certification date - September 29, 1954

Ore Reserve

The deposit contains columbite and samarskite. The exploration indicated a reserve of a little more than 34,000 cubic yards of dredgeable gravel that contains between 6,000 and 11,500 pounds of Nb_2O_5 and Ta_2O_5 that is probably recoverable in a 50 percent combined pentoxide concentrate. Such a concentrate is worth $3.40 for each pound of contained combined pentoxides. The total value of the recoverable oxides is between $40,000 and $87,000. These gravels, in turn, make the gravel worth between $1.20 and $2.30 per cubic yard for its recoverable columbium and tantalum content.

The deposit also contains between 70 and 120 pounds of U_3O_8, but probably none of the uranium can be recovered in a marketable form and, therefore, has no value.

There has been no production from the property and no DMEA royalties paid.

5. Comments -

The Operator prosecuted the project satisfactorily and conducted the field work in a competent manner. The Operator had some difficulty because of snow that remained until late into the summer and delayed the start of the project a few weeks. The laboratory work done by the Operator was less complete than was desirable. More chemical analyses of the different concentrate fractions should have been made; mineral identifications and amounts should have been determined for at least a few of the concentrate fractions; and the relations of the different concentrate fractions to the whole sample should have been tabulated. As a result of this exploration work, the Operator reports a reserve of 33,500 cu. yds. of gravel containing .0744 pounds of combined columbium-tantalum oxides compared with 34,000 cu. yds. containing .1764 to .3382 pounds of probable recoverable combined columbium-tantalum oxides reported in the final Field Team report. The estimate that has been made in the final Field Team report was possible only because 24 concentrate fractions of samples from 12 churn drill holes were analyzed chemically by the Geological Survey.

The project was established to explore a deposit of placer gravel for columbium-tantalum and uranium. Before the DMEA project was started some test work was done by the Bureau of Mines on a black sand sample from the Dismal Swamp area submitted by the Operator. This separation test work, screening, magnetic separation, and tabling, indicated a product containing 70.8 percent combined columbium-tantalum oxide with as much as 95.9 percent recovery of the combined minerals could be made.

The principal bedrock types in the vicinity of the Dismal Swamp property are the grandiorite and related granitic rocks of the Idaho batholith of Cretaceous (?) age. Because the area is heavily forested and has a fairly heavy soil cover, outcrops are rare. The deposit is near the south end of the batholith about midway between its east and west margins. Dismal Swamp is at the very headwaters of the westermost principal fork of Buck Creek only a few hundred yards northwest of the drainage divide between the Middle Fork of the Boise River and the Feather River. The area does not appear to have been glaciated. The granitic bedrock at the deposit is weathered to a moderate depth, and the top few feet of bedrock can be easily dug with a bulldozer.

The gravels in Dismal Swamp are of local origin and are the product of local stream erosion and slope wash. The drainage basin tributary to Dismal Swamp is small in area.

The columbium-tantalum minerals and uranium-bearing minerals in the deposit are believed to have been derived from the weathering of small pegmatites associated with the Idaho batholith. Similar suites of mineral are known to be associated with such pegmatites in other parts of central Idaho.

Two pieces of evidence suggest that most of the columbium-bearing minerals in the gravels were derived from the area west of the deposit: (1) the Operator, in work done prior to the inception of the Government contract, obtained his best samples from along the west margin of the swamp, and (2) the relatively high Nb_2O_5 and Ta_2O_5 content of Drill Hole No. 24.

Although the ore reserves are small, sampling results and metallurgical tests indicate that the deposit does contain significant amounts of columbium that could be recovered quickly by drag-line dredging in the event of a National emergency. However, more complete sample information is necessary to determine whether the deposit is economically dredgeable by drag line at the present time.

The property has been fully explored. The 34,000 cubic yards of estimated reserves are all of the dredgeable gravel in the deposit except for a small but unknown amount of hill-side wash between Drill Hole No. 24 and the ore reserve block.

For the above reasons the Field Team recommended issuing a certificate of discovery or development and this office concurs with their recommendations.

F. L. Knouse

F. L. Knouse

☒ Audited

☒ Certified

WORK ANALYSIS SHEET - DMEA PROJECT

Analysis as of 12-8-54
Incl. Voucher for Sept. 1953

☒ Actual Cost

☐ Agreed Unit Costs

Name J.R. Simplot Company

State Idaho

Commodity Columbium-Tantalum, uranium

Docket No. 2891

Idm-E No. 545

OPERATION	AUTHORIZED Units	AUTHORIZED Cost	COMPLETED Units	COMPLETED Cost	NET COST
Drifting & Crosscutting					
Raising					
Shafts					
Winzes					
Drilling - Churn (Specify)	500'	6665.00	329.4'	3149.14	3149.14
Surface Excavation		3172.00		1444.92	1444.92
Underground Excavation					
Roads and Trails		3252.00		4240.91	4240.91
Operating Equipment Purchased					
Surface Rehabilitation & Repairs					
Underground Rehabilitation					
New Building, Improvements, etc.					
Other (Specify) Bindy Headwork & Sampling		3100.00		1900.15	1900.15
Totals		18190.00		8834.97	8834.97

Prepared by J. L. Kramer

Rechecked

71626

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

June 20, 1963

Re: IDEA-2891 (Columbium-Tantalum and Uranium)
J. R. Simplot Company
Dismal Swamp Placers
Elmore County, Idaho
Contract Idm-E545

Mr. Arthur T. Smith
219 Eastman Bldg.
Boise, Idaho

Dear Mr. Smith:

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

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

Sincerely yours,

s/F. M. Murphy

F. M. Murphy, Acting Chief
Division of Minerals

Royalty expired
6/5/63

OFFICIAL FILE COPY
O. M. E
RECEIVED JUL 1 1963

DATE	INITIALS	CODE
7/1	[illegible]	800
7/1	[illegible]	100
7/1	[illegible]	~~110~~
	Murphy	500

MME Form 63
Revised 3-62

REQUEST FOR INFORMATION ON CERTIFIED PROJECT AND PROJECT UNDER ROYALTY AGREEMENT

1. From September 9, 1962, to June 5, 1963 ~~Since~~ ~~XXXXX~~, has there been a change in ownership, lease, or sublease? If yes, please state details of the transaction below and provide a true or signed copy of the pertinent documents, unless they have been provided before. Yes ☐ No ☑

2. From September 9, 1962, to June 5, 1963 ~~Since~~ ~~XXXXX~~, has there been any production from the land subject to the contract? Yes ☐ No ☑

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

	Quantity	Value

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

Type	Quantity	Estimated Grade	Location
Ore	Tons		
Concentrates	Tons		
Other	Tons		

3. Since through workings (see of contract)? Yes ☐ No ☑

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

Disposition of Material	Quantity	Value

Submitted by:

Name Robert T. Smith Title Owner

Address 219 Eastmoreland Blvd Date 6-26, 1963

4511

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

September 21, 1962

Re: DMEA-2891 (Columbium-Tantalum and Uranium)
J. R. Simplot Company
Dismal Swamp Placers
Elmore County, Idaho
Contract Idm-E545

Mr. Arthur Smith
~~915½ Main Street~~ 219 EASTMAN BLDG.
Boise, Idaho

Dear Mr. Smith:

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

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

Sincerely yours,

W. R. Griswold

W. R. Griswold, Chief
Division of Minerals

MME Form 63
Revised 3-62

DMEA-2891
Idm-E545

OFFICIAL FILE COPY
O. M. E
RECEIVED OCT 1 1962

DATE	INITIALS	CODE
10/1	[illegible]	800
10/1	[illegible]	100
10/1	[illegible]	~~110~~
10/3	Yes ☐ No ☑	500
	Received	
10/8	Murphy	500
		220

REQUEST FOR INFORMATION ON CERTIFIED PROJECT AND PROJECT UNDER ROYALTY AGREEMENT

1. Since **May 1, 1961**, has there been a change in ownership, lease, or sublease? If yes, please state details of the transaction below and provide a true or signed copy of the pertinent documents, unless they have been provided before.

2. Since **May 1, 1961**, has there been any production from the land subject to the contract? Yes ☐ No ☑

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

	Quantity	Value

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

Type	Quantity		Estimated Grade	Location
Ore		Tons		
Concentrates		Tons		
Other		Tons		

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

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

Disposition of Material	Quantity	Value

Submitted by:

Name Arthur T. Smith Title owner

Address 219 Eastmen Bldg Date 9-25-62

4511

OFFICIAL FILE COPY O. M. E. RECEIVED MAY 24 1961		
DATE	INITIALS	CODE
5/24	gad	770
5/24	[illegible]	800
"	Murphy	500
		770

So. 157 Howard Street
Spokane 4, Washington
May 22, 1961

Memorandum

To: Chief, Fiscal Section, Office of the Secretary

From: Acting Field Officer, OME, Region I

Subject: Report of Royalty Review
DMEA-2891 (Columbium-Tantalum and Uranium)
J. R. Simplot Company
Dismal Swamp Placers
Elmore County, Idaho
Contract Idm-3545

There is enclosed the original of a Report of Royalty Review dated May 16, 1961, on sales of minerals from property referred to as the Dismal Swamp Placers located in Elmore County, Idaho, during the period January 1, 1955, through March 15, 1961.

In accordance with instructions in Mr. Talbert's memorandum of May 17, 1961, no copy of this Report of Royalty Review will be furnished the Operator.

D. R. MacLaren

Enclosure

MLSmelser:mls
cc: CA&A Div., OME
OME
Reading copies to:
Nolan
Hobbs
Guild

MME Form 7
(10-58)

OFFICIAL FILE COPY

Date	Surname	Code
5/17	[illegible]	120
"	[illegible]	270
5/17	gad	220

MAY 1 7 1961

Memorandum

To: Acting Field Officer, Region I

From: E. D. Talbert, Acting Chief (Signed) E. D. Talbert
Contract Administration and Audit Division

Subject: DMEA-2891 (Columbium-Tantalum and Uranium)
J. R. Simplot Company
Dismal Swamp Placers
Elmore County, Idaho
Contract Idm-E545

The receipt of your MME Form 22, with a footnote pertaining to the heretofore unaccounted for balance of 627 lbs of concentrates, has enabled the completion of the Report of Royalty Review referred to in my March 15 memorandum. The original and one copy are attached.

If you concur in the facts stated therein, please submit the original to the Department's Fiscal Section. The copy is for your files. On the other hand, if for any reason you do not concur, please return the original and copy to this Division with your comments.

In view of the audit statement regarding "abandonment", no copy of this Report of Royalty Review should be furnished the Operator, its successors, or the landowners. Furthermore, in event of future production, normal collection efforts should be made even though our claim may not be "legally" enforceable.

Attachments

EDTalbert/ama
May 16, 1961

Copy to: Docket
Director's Reading File
CA & A Division
Mr. Rothrock
Mr. Talbert

43683

Ofc (2)

OFFICIAL FILE COPY
O. M. E.
RECEIVED MAY 1 1961

DATE	INITIALS	CODE
5-1	gad	VVO
5/1	[illegible]	800
	Murphy	~~500~~
		220

So. 157 Howard Street
Spokane 4, Washington
April 27, 1961

Mr. Arthur Smith
915½ Main Street
Boise, Idaho

Re: DMEA-2891 (Columbium-Tantalum and Uranium)
J. R. Simplot Company
Dismal Swamp Placers
Elmore County, Idaho
Contract Ida-2543

Dear Mr. Smith:

The Office of Minerals Exploration is the successor agency to the Defense Minerals Exploration Administration and is charged with maintaining records of the royalty status of certified DMEA contracts.

In this connection, we wrote to you on March 21, 1961, asking you to advise us:

1. What, if any, disposition has been made of the 627 pounds of up-graded concentrates remaining from the 2,300 pounds concentrated during the period January 1, 1957, to June 30, 1957?

2. Has there been any production from Dismal Swamp Placers since the period July 10, 1956, to September 1, 1956?

3. Have you disposed of your interest in any of the claims?

As yet, we have received no reply and would appreciate receiving this information so that we can bring our records up-to-date.

see report 5/10/61 [illegible]

Sincerely yours,

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

Reading copies to:
Nolan Guild
Hobbs

DRMacLaren:mls
cc: R. D. Talbert, CAAA Div., OME
OME(2)
CFF

OFFICIAL FILE COPY
O. M. E.
RECEIVED MAR 24 1961

DATE	INITIALS	CODE
3/24	gad	VVO
3/24	[illegible]	800
	Murphy	500
		VLO

No. 157 Kennard Street
Spokane 4, Washington
March 21, 1961

Mr. Arthur Smith
915½ Main Street
Boise, Idaho

Re: DMM-2891 (Columbium-Tantalum and Uranium)
J. R. Simplot Company
Dismal Swamp Placers
Elmore County, Idaho
Contract Ida-2345

Dear Mr. Smith:

According to our records, approximately 3,200 yards of gravel from the Dismal Swamp Placers were processed between July 10 and September 1, 1956, resulting in 800 pounds of high grade, 2,756 pounds of medium grade, and 1,487 pounds of low-grade concentrates or a total of 4,843 pounds of concentrates, none of which were sold by December 17, 1956, the date of our royalty inspection.

During the period January 1 to June 30, 1957, 4,906 tons of concentrates were shipped to the General Services Administration Depot at Custer, South Dakota, but were unmarketable because of the high ilmenite content. The 4,906 tons were reconcentrated to 2,500 pounds which had not been disposed of by June 14, 1957, the inspection date.

During the period January 1 to June 30, 1958, 1,673 pounds 2 ounces of company produced concentrates, supplemented with 300 pounds 14 ounces of concentrates from Black Hills Keystone Corporation were sold to the GSA. Royalty on the 1,673 pounds 2 ounces of company concentrates was paid. Since that date, no further production or sale has been reported.

I am preparing an annual report on the royalty status of all certified projects and would greatly appreciate it if you would advise me:

1. What, if any, disposition has been made of the 687 pounds remaining from the 2,500 concentrated during the period January 1, 1957, and June 30, 1957?

2. Has there been any production since the period July 10 to September 1, 1956?

3. Has your company disposed of its interest in any of the claims?

The Office of Minerals Exploration is the successor agency to the Defense Minerals Administration. A reply at your earliest convenience will be very much appreciated.

Sincerely yours,

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

cc: R. D. Talbert, CAAA Div., OME
OME(2)
CFF
Director
Econ. Geol.
BAFM

MME Form 7
(10-58)

OFFICIAL FILE COPY

Date	Surname	Code
3/15	GLS	120
3/15	gad	220

MAR 15 1961

Memorandum

To: Acting Field Officer, Region I

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

Subject: DMEA-2891 (Columbium-Tantalum and Uranium)
J. R. Simplot Company
Dismal Swamp Placers
Elmore County, Idaho
Contract Idm-E545

This Division is in the process of preparing a Report of Royalty Review on the subject contract. Your submission of an original and one copy of MME Form 22, Check Sheet of Examining Engineer, will be appreciated.

The Washington files indicate that this project has been inactive since the latter part of 1956. If this is correct, please confirm by an appropriate statement under item 8 of MME Form 22.

A statement as to whether or not there is any unsold or stockpiled production also will be appreciated. The docket files are somewhat confusing on this point.

The Semi-Annual Report of Certified Project for July 1 to December 31, 1956, reports the processing of 3,200 yards of gravel into 800 lbs. of high grade, 2,556 lbs. of medium grade, and 1,487 lbs. of low grade concentrates, i.e., a total of 4,843 lbs. of concentrates. The report for the following six months' period states that 4,906 lbs. of concentrates were shipped, rejected, and then reconcentrated to 2,300 lbs. The report for January 1 to June 30, 1958, states that 1,673 lbs. 2 oz. of concentrates were up-graded by blending with 330 lbs. 14 oz. of concentrates procured from another source. No mention of unsold production, however, is made in that or subsequent reports and correspondence.

EDTalbert/ama
March 15, 1961

Copy to: Docket
Director's Reading File
CA & A Division
Mr. Talbert

43683

COPY

JAN 13 1959

1-19 C 220

" ~~[illegible]~~ 70

Inadline certified 225

So. 157 Howard Street
Spokane 4, Washington
January 12, 1959

Mrs. Dorothy Long, Certifying Officer
OME Field Team, Region I
No. 1201 Division Street
Spokane 2, Washington

Re: Docket No. DMEA-2891 (Columbium-Tantalum-Uranium)
Arthur T. Smith (formerly J. R. Simplot Co.)
Dismal Swamp Placers
Elmore County, Idaho
Contract No. Idm-E545

Dear Mrs. Long:

Enclosed is personal check no. 510 dated December 31, 1958, from Arthur T. Smith and Florence C. Smith for $193.76 covering the sale of 2,004 pounds of columbium-tantalum concentrates to the General Services Administration Purchase Depot at Custer, South Dakota, on May 19, 1958. The value of this production subject to the Government's percentage royalty is $3,875.18 and royalty due at 5 percent is $193.76 (subject to audit).

Also enclosed is a photostat copy of a letter dated May 13, 1958, to General Services Administration at Custer from Booth, Garrett & Blair, Analitical and Consulting Chemists, giving assays, together with a copy of settlement data for Lot CT-94 which covers this transaction.

Sincerely yours,

A. E. Weissenborn
Executive Officer, OME
Field Team, Region I

Enclosures as indicated
cc: Arthur T. Smith
OME w/encls.
CPF

1-12-59
L.L.
$203.94

THE OLDEST COMMERCIAL LABORATORY IN AMERICA

BOOTH, GARRETT & BLAIR

ANALYTICAL AND CONSULTING CHEMISTS

SWORN WEIGHERS AND SAMPLERS

220 SOUTH NINTH STREET

PHILADELPHIA 7, PA.

CABLE ADDRESS "BAGCOM"
(W. UNION)

TEL WALNUT 5-2910

May 19, 1959

General Services Administration
Materials Purchase Branch
Box 232
Custer, South Dakota

Centlemen:-

In the matter of [illegible]
received from you April [illegible] [illegible]
we find when dried at 105°C:-

Moisture	0.0	Pct
Calcium Oxide	0.0	Pct
Magnesium Oxide	0.0	Pct
Sulphur Trioxide	0.0	Pct
Potassium Oxide	0.0	Pct
Sodium Oxide	0.0	Pct

Respectfully,
BOOTH, GARRETT & BLAIR

W. J. Blanchard

CENTRAL FILE COPY
G. W. E.
RECEIVED JAN 20 1959

DATE	INITIALS	CODE

Photostat copy of Check No. 12,905,053, dated June 10, 1958, payable to Arthur T. Smith in the amount of $4641.48, on file in the Royalty File of the Audit Division.

?

[illegible]

Settlement per Section [illegible] of Columbian Tantalum Purchase Regulations
Title [illegible], Chapter [illegible] Part [illegible] Dated October [illegible], [illegible]

1. [illegible] lbs. of Columbian Tantalum ore delivered on [illegible]
2. Combined Contained Pentoxide for Report of Analysis attached [illegible]
3. [illegible] of [illegible] lbs. = [illegible] lbs. contained pentoxide
4. [illegible] lbs. X [illegible] per pound [illegible]
5. Full percent of contained pentoxide over [illegible] [illegible]
6. [illegible] X [illegible] X [illegible] lbs. [illegible] [illegible]
7. Item 5 plus Item 6 [illegible]
8. Plus 100% bonus [illegible]
9. Total Item 7 plus Item 8 [illegible]

Distribution of Production

1. Arthur T. Smith [illegible] lbs. [illegible] [illegible]
2. Black Hills Keystone, Corp. [illegible] lbs. [illegible] [illegible]
3. Total [illegible] lbs. [illegible]

Distribution of Bonus Payment

1. Arthur T. Smith [illegible] of [illegible] [illegible]
2. Black Hills Keystone Corp. [illegible] of [illegible] [illegible]
3. Total [illegible]

Distribution of Regular Payment

1. Arthur T. Smith [illegible]

No work in production or development from last period. J.M.

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

DATE	INITIALS	CODE
2/2	C	220
4	[illegible]	110
"	[illegible]	800
2/4	~~[illegible]~~	900
		~~225~~
		~~[illegible]~~
		225

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

SEMI-ANNUAL REPORT OF CERTIFIED PROJECT

Reporting period: July 1 to December 31, 1958

Date of report: January 12, 1959 Date of examination: Dec. 12, 1958

Operator: J. R. Simplot Co., Continental Bank Bldg., Boise, Idaho

Present operator and owner: Arthur T. Smith, 915 Main St., Boise, Idaho

Mine name: Dismal Swamp Placers

County and State: Elmore County, Idaho

Docket number and commodity: DMEA-2891 (columbium-tantalum-uranium)

Contract number: Idm-E545

Date of contract: June 5, 1953

Date of certification: September 29, 1954

Expiration date of royalty payments: June 5, 1963

Total amount of contract: $18,190.00

Total expenditures under contract: 8,834.97

Amount of Government participation @ 90%: 7,951.47

Royalty payments this period: $ 193.76

Previous royalty payments: 10.18

Total royalty payments to date: 203.94

Percent of Government participation repaid: 2.6%

Royalty due on production to date: none

Royalty remarks: The royalty payment this period represents back royalty due on a shipment of concentrates to the GSA on May 19, 1958.

	Cu. Yds.	Analysis
Original estimate of DMEA reserves (from Field Team final report) Mines ____ Survey ___ Joint x	34,000	6,000 to 11,500 lbs. Nb_2O_5 and Ta_2O_5 recoverable in a 50% concentrate.
Revised estimate of DMEA reserves (Field Team) Mines x Survey ___ Joint ___	30,800	2,200 to 8,100 lbs. Nb_2O_5 and Ta_2O_5 recovered in a 50% concentrate.
Decrease of reserves by work performed subsequent to DMEA project work:	3,200	3400# (50% conc.)

Production of DMEA ore (this period): none

(previous): 2,004 lbs. ore

(to date): 2,004 lbs. ore

Production of Operator's ore found subsequent to DMEA work

(this period): none

(previous): none

(to date): none

Percent of revised reserves mined:

Production remarks: The property is inactive.

Investment data: none.

Signed: Wm. M. Romischer (Engineer)

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

OFFICIAL FILE COPY
OCT 30 1958

1201 N. Division St.
Spokane 2, Washington

October 27, 1958

Mr. Arthur T. Smith
912 Main Street
Boise, Idaho

Re: Docket No. DMEA-2891 (columbium-tantalum-uranium)
Dismal Swamp Placers
Elmore County, Idaho
Contract No. I6m-8545

Dear Mr. Smith:

This is in reply to your letter of October 13, requesting an extension of time until December of this year in which to pay royalty due amounting to $193.76 (subject to audit).

We do not wish to work a hardship on you but we do not have the authority to defer payment beyond a reasonable period of time. In this case we believe that an extension to December 15, 1958 should be adequate.

Photostat copies of the check received and of the sheet showing distribution of the money received will be sufficient for our records.

By Field Team, Region I

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

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

cc: OME (2)
USGS (2)
USBM (AD)

RECEIVED SEP 22 1958		
DATE	INITIALS	CODE
9-22	C	220
9/24/58	[illegible]	800
9/23	[illegible]	700

So. 157 Howard Street
Spokane 4, Washington

September 16, 1958

Mr. Arthur T. Smith
915 Main Street
Boise, Idaho

Re: Docket No. DMEA-2891 (Columbium-Tantalum)
J. R. Simplot Company
Dismal Swamp Placers
Elmore County, Idaho
Contract No. Idm-E545

Dear Mr. Smith:

We have not yet received a reply to our letter of July 23, 1958, in which we advised you that our recent royalty inspection disclosed the sale of 2,004 pounds of columbium-tantalum concentrates to the General Services Administration Purchase Depot, Custer, South Dakota, on May 19, 1958. The value of this production subject to the Government's percentage royalty is $3,875.16 and royalty due at 5 percent is $193.76 (subject to audit).

A check in the amount of $193.76 should be made out to the Defense Minerals Exploration Administration and mailed to Mr. A. E. Weissenborn, Executive Officer, South 157 Howard Street, Spokane 4, Washington.

We would also like to receive documentary evidence of the sale showing the amount sold, name of purchaser, and price obtained. A photo-copy of the settlement sheet will suffice.

An early reply will be appreciated.

Sincerely yours,

Wm. G. Agnew
Acting Executive Officer
DMEA, Region I

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

DMEA Form 18
Feb. 58

DEFENSE MINERALS EXPLORATION ADMINISTRATION

ANALYSIS OF SEMIANNUAL REPORT OF CERTIFIED PROJECT

Prepare in duplicate. File original in Official Docket. Send copy

To: Statistics Branch (Code 210)

From: Division of Rare and Miscellaneous Metals

Report Period 1/1/58-6/30/58

DMEA No.	Operator	Contract No.
2891	J. R. Simplot Company	Idm-E545

ORE ESTIMATES

	~~Tons~~ Yds.³	Analysis Per Yd.³
DMEA	34,000	.002794# U_3O_8 + 0.2574# Cb_2O_5 + Ta_2O_5
Operator to date	NONE	
Total		
Production to date	*3,200	3400# 50% Cb_2O_5 + Ta_2O_5 conc.
Ore in ground		

INVESTMENT

Type	Size		Feet	Cost
Shafts				
Winzes				
Drifts and Crosscuts				
Raises				
Drilling	Type			
Rehabilitation	Description			

FACILITIES

Mine Plant	Dragline	$7,000.00 Est.
Mill	Electro-magnetic separator	4,000.00 Est.
Roads		

REMARKS

* plant for mining the gravel.
Project inactive for this reporting period.

Prepared by J. L. Rousse Date 8-4-58

31398

DMEA
RECEIVED JUL 31 1958

DATE	INITIALS	CODE
7/31	C	220
31	Com	100
"	[illegible]	110
8/1	[illegible]	800
		900

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

SEMI-ANNUAL REPORT OF CERTIFIED PROJECT

Reporting period: January 1 to June 30, 1958

Date of exam: June 12, 1958

Operator: J. R. Simplot Company, Continental Bank Bldg., Boise, Idaho

Present Operator and Owner: Arthur T. Smith, 915 Main St., Boise, Idaho

Mine name: Dismal Swamp Placers

County and State: Elmore County, Idaho

Docket number and commodity: DMEA-2891 (columbium-tantalum-uranium)

Contract number: Idm-E545

Date of contract: June 5, 1953

Date of certification: September 29, 1954

Expiration date of royalty payments: June 5, 1963

Total amount of contract: $18,190.00

Total expenditures under contract: 8,834.97

Amount of Government participation @ 90%: 7,951.47

Royalty payments this period: none

Previous royalty payments: $10.18

Total royalty payments to date: 10.18

Percent of Government participation repaid: 0.13%

Royalty due on production to date: $193.76

	Cu. Yds.	Analysis
Original estimate of DMEA reserves (from Field Team final report) Mines ____ Survey____ Joint _x_	34,000	6,000 to 11,500 lbs. Nb_2O_5 and Ta_2O_5 recoverable in a 50% concentrate.
Revised estimate of DMEA reserves (Field Team) Mines _x_ Survey___ Joint___	30,800	2,200 to 8,100 lbs. Nb_2O_5 and Ta_2O_5 recovered in a 50% concentrate.
Decrease of reserves by work performed subsequent to DMEA project work	3,200	3400# (50% conc.)
Production of DMEA ore (this period)	none	
(previous)	3,200	
(to date)	3,200	
Production of Operator's ore found subsequent to DMEA work (this period)	none	
(previous)	none	
(to date)	none	
Percent of revised reserves mined:	10.4%	

Production remarks: The property has been inactive during the reporting period, but the columbium-tantalum concentrates which Mr. Arthur T. Smith has had stockpiled for some time were blended with a small amount of concentrates from another source and sold to the General Services Administration, Purchase Depot, Custer, S. Dak., on May 19, 1958.

Attached is a copy of the Settlement Data.

Signed: Wm. M. Romischer (Engineer

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

Contract Idm-E545

The following record of the purchase of concentrates was copied from Mr. Smith's copy of the transaction:

Settlement Data - Lot CT-94

1.	2004 lbs. of columbium-tantalum ore delivered 4-25-58.	
2.	Contained pentoxides - 60.95%	
3.	60.95% of 2004 - 1221.44 lbs. contained pentoxides	
4.	1221.44 lbs. x $1.40 per pound	$1,710.02
5.	Full percent of contained pentoxides over 35%	25
6.	25 x 2¢ x 1221.44 lbs.	610.72
7.	Item 4 plus Item 6	2,320.74
8.	Plus 100% bonus	2,320.74
9.	Total Item 7 plus Item 8	4,641.48

Distribution of Production

1.	Arthur T. Smith	1673 lbs. 2 oz.	83.49%
2.	Black Hills Keystone Corp.	330 lbs.14 oz.	16.51%
3.	Total	2004 lbs.	100.00%

Distribution of Bonus Payment

1.	Arthur T. Smith	83.49% of $2320.74	$1937.59
2.	Black Hills Keystone Corp.	16.51% of 2320.74	383.15
3.	Total		2320.74

Distribution of Regular Payment

1.	Arthur T. Smith	$2320.74

Royalty due Government from Arthur T. Smith

1.	$1937.59 x 2 x 5%	$193.76

DMEA COPY

25 3

7/25 C 220
7/25 ~~740~~ 700

1201 N. Division St.
Spokane 2, Washington

July 23, 1958

Mr. Arthur T. Smith
915 Main Street
Boise, Idaho

Docket No. DMEA-2591 (columbium-tantalum)
Re: J. R. Simplot Company
Dismal Swamp Placers
Elmore County, Idaho
Contract No. Idm-K545

Dear Mr. Smith:

Our recent royalty inspection disclosed the sale of 2,004 pounds of columbium-tantalum concentrates to the General Services Administration Purchase Depot, Custer, South Dakota, on May 19, 1958. The value of this production subject to the Government's percentage royalty is $3,875.16 and royalty due at 5 percent is $193.76 (subject to audit).

A check in the amount of $193.76 should be made out to the Defense Minerals Exploration Administration and mailed to Mr. A. E. Weissenborn, Executive Officer, DMEA Field Team, Region I, South 157 Howard Street, Spokane 4, Washington.

We would also like to receive documentary evidence of the sale showing the amount sold, name of purchaser, and price obtained. A photo-copy of the settlement sheet will suffice.

By Field Team, Region I

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

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

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

February 21, 1958

Memorandum

To: Wingfield N. Chamberlain
Statistics Branch

From: Ernest Wm. Ellis, Director
Division of Rare and Miscellaneous Metals

Subject: Semi-Annual Report of Certified Project
Period July 1 to December 31, 1957

This Division has received reports on the following projects indicating there has been no activity and conditions are unchanged since the previous report:

Docket	Contract No.	Operator	Commodity
DMEA-1702	Idm-E61	Cherokee Mines	Uranium
DMEA-2419	Idm-E299	David Nieminen, A. H. Eiselein, et al.	Uranium
DMEA-2781	Idm-E584	Verlon W. Vandeventer	Monazite
DMEA-2891	Idm-E545	J. R. Simplot Company	Columbium, tantalum, uranium
DMEA-3032	Idm-E631	Rare Earths Mining Company	Rare Earths
DMEA-4191	Idm-E994	Coso Uranium Company	Uranium

Ernest Wm. Ellis

Ernest Wm. Ellis

OFFICIAL FILE COPY
DMEA
RECEIVED JAN 28 1958

DATE		CODE
1/28	C	220
1/28	Com	100
1/29	Income	700

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

SEMI-ANNUAL REPORT OF CERTIFIED PROJECT

Reporting period: July 1 to December 31, 1957

Date of exam: December 12, 1957

Operator: J. R. Simplot Company
Continental Bank Bldg.
Boise, Idaho

Owner: Arthur T. Smith, 915 Main St., Boise, Idaho

Mine name: Dismal Swamp Placers

County and State: Elmore County, Idaho

Docket number and commodity: DMEA-2891 (columbium-tantalum-uranium)

Contract number: Idm-E545

Property inactive. No change in royalty status since report of July 1 to December 31, 1956.

According to Mr. Ned W. Jacobsen, employee in Mr. Arthur T. Smith's office at Boise, Idaho, several individuals have shown an interest in the property and visited it last summer and early fall.

Signed: Wm. M. Romischer (Engineer)

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

K

DEFENSE MINERALS EXPLORATION ADMINISTRATION

~~Rare & Misc. Metals~~ Division Date ~~July 11, 1957~~

Semi-Annual Report - Certified Project Date 1/1/57 to 6/30/57

DMEA No. 2891 Operator ~~J. R. Simplot Co.~~ Contract No. Idm-E ~~545~~

Ore Estimates	Ore Reserves yds³ Tons	Per yd³ Analysis
Original (DMEA)	34,000	.002794 # U_3O_8 + 0.2574 # Cb_2O_5 + Ta_2O_5
Increase (Operator)	None	
Total		
Decrease (Production)	* 3,200	8.94 # U_3O_8
Net Available		823.68 # Cb_2O_5 + Ta_2O_5

Investment

Shafts			Winzes			Drifts & Crosscuts		
Size	Feet	Cost	Size	Feet	Cost	Size	Feet	Cost

Raises			Drilling			Rehabilitation	
Size	Feet	Cost	Type & Size	Feet	Cost	Description	Cost

Facilities

Mine Plant		Mill		Roads	
Description	Cost	Description	Cost	Description	Cost
Draglink	$7,000 (Est.)	Wilfley Table Electromagnetic Separator	$4,000. (Est)		

Remarks

Project inactive for reporting period.

* Shipment made to GSA depot at Astoria S.D. was not acceptable

C6 + Ta content of 51% was not acceptable due to high lime silica content.

J Hansen

100338

OFFICIAL FILE COPY
DMEA
RECEIVED JUL 11 1957

DATE	INITIALS	CODE
7/11	P.	220
12	Com	100

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

SEMI-ANNUAL REPORT OF CERTIFIED PROJECT

Reporting period: January 1 to June 30, 1957 Date of exam: June 14, 1957

Operator (under the contract): J. R. Simplot Company, Continental Bank Bldg., Boise, Idaho

(present owner and operator): Arthur T. Smith, 915 Main St., Boise, Idaho

Mine name: Dismal Swamp Placers

County and State: Elmore County, Idaho

Docket number and commodity: DMEA-2891 (columbium-tantalum-uranium)

Contract number: Idm-E545

There has been no change in the status of the royalty production since the report of July 1 to December 31, 1956.

Production remarks: The Operator shipped 4906 lbs. of concentrates to the GSA depot at Custer, South Dakota. These concentrates assayed over 40% combined columbium and tantalum. However, the ilmenite concentration was 18% and consequently the concentrates were unacceptable.

The Operator reconcentrated the product to 2300 lbs. containing 51% Cb, Ta. This rerun did not decrease the ilmenite content appreciably and the Operator has stockpiled the new concentrate. At present he has not come to any decision regarding its disposal.

Other remarks: Heavy spring runoff and overloaded streams made it impossible to visit the property. No work has been done at Dismal Swamp since last fall, according to information obtained from Mr. Arthur T. Smith, present operator and owner.

Signed: D. D. Walker (Engineer)

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

DEFENSE MINERALS EXPLORATION ADMINISTRATION

Rare & Misc. Metals Division Date 1-31-57

Semi-Annual Report - Certified Project Date July 1 to Dec. 31, 1956

DMEA No. 2891 Operator J.R. Simplot Co. Contract No. Idm-E 545

Ore Estimates	Ore Reserves ~~Tons~~ yds³	Total mineral ~~Analysis~~ *
Original (DMEA)	34,000	95# U_3O_8 + 8750# Cb_2O_5 + Ta_2O_5
Increase (Operator)		
Total		
Decrease (Production)	3200	8.94# U_3O_8 + 823.68# Cb_2O_5 + Ta_2O_5
Net Available		

Investment

Shafts			Winzes			Drifts & Crosscuts		
Size	Feet	Cost	Size	Feet	Cost	Size	Feet	Cost

Raises			Drilling			Rehabilitation	
Size	Feet	Cost	Type & Size	Feet	Cost	Description	Cost

Facilities

Mine Plant		Mill		Roads	
Description	Cost	Description	Cost	Description	Cost
Dragline	?	Wilfley table + electromagnetic separator	?		

Remarks

*.002794# U_3O_8 + 0.2574# Cb_2O_5 + Ta_2O_5/yd³.

Known

100338

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

RECEIVED
JAN 22 1957
D.M.E.A.

SEMI-ANNUAL REPORT OF CERTIFIED PROJECT

Reporting period: July 1 to December 31, 1956 Date of exam: Dec. 17, 1956

Operator
(under the contract): J. R. Simplot Co., Continental Bank Bldg., Boise, Idaho

(present operator and owner): Arthur T. Smith, 915 Main St., Boise, Idaho

Mine name: Dismal Swamp Placers

County and State: Elmore County, Idaho

Docket number and commodity: DMEA-2891 (columbium-tantalum-uranium)

Contract number: Idm-E545

Date of contract: June 5, 1953

Date of certification: September 29, 1954

Expiration date of royalty payments: June 5, 1963

Total amount of contract: $18,190.00

Total expenditures under contract: 8,834.97

Amount of Government participation at 90%: 7,951.47

Royalty payments this period: $10.18

Previous royalty payments: none

Total royalty payments to date: $10.18

Percent Govt. participation repaid: 0.13%

Royalty due on production to date: none

Royalty remarks: Royalty audit by C. E. Fisher, dated August 5, 1955.

ACTION ON INTERIM
OR FINAL FIELD TEAM REPORT
Date 1-22

Referred to:

1. ~~Mr. Mitchenhof~~
2. ~~Mr. Johnson~~
3. ~~Mr. Chambers~~
4. ~~Docket Control Mails and Files~~
5. ~~Mr. Mac Metals~~ Division
6. Docket Control Mails and Files

Note comments in report regarding:

1. Revised estimate is
2. not correct. This is
3. a reduction of available
4. reserves due to mining.

and take appropriate action.

- - - - - - - -

Action taken by Division:

SEE method of calculating decrease in reserves on Interim Borrow Report - Contained prospects this period.

Thomas

Robert E. Adams

Semi-annual report
Contract No. Idm-E545

	Cu. Yds.	Analysis
Original estimate of DMEA reserves (from Field Team final report) Mines ___ Survey ___ Joint X	34,000	6,000 to 11,500 lbs. Nb_2O_5 and Ta_2O_5 recoverable in a 50% concentrate.
Revised estimate of DMEA reserves (Field Team) Mines X Survey ___ Joint ___	30,800	2,200 to 8,100 lbs. Nb_2O_5 and Ta_2O_5 recovered in a 50% concentrate.
Decrease of reserves by work performed subsequent to DMEA project work	3,200	3400# (50% conc.)
Production of DMEA ore (this period)	3,200	3400# (50% conc.)
(previous)	Samples only	
(to date)	3,200	
Production of Operator's ore found subsequent to DMEA work		
(this period)	none	
(previous)	none	
(to date)	none	
Percent of revised reserves mined:	10.4%	

Production remarks: Approximately 3,200 yards of gravel were processed from July 10 - September 1. This material was treated on Wilfley tables and by a crossbelt electromagnetic separator. A three-product separation was made and the following recoveries were obtained:

800 lbs. high grade conc.
2556 lbs. medium grade conc.
1487 lbs. low grade conc.

The Operator is sending samples of all three products to Salt Lake City for assaying and will send a copy of the results to the Field Team as soon as he gets the returns. This production has not yet been sold.

Semi-annual report
Contract No. Idm-E545

INVESTMENT DATA

Facilities

Mine Plant

Description	Cost
Dragline	Not available. ?

Mill

Description	Cost
Wilfley table and electromagnetic separator	Not available. ?

Other Remarks:

The Operator now wishes to sell his production direct to the GSA stockpile and is applying for a GSA number.

Heavy snow made a visit to the property impossible and the above information was obtained from Mr. Arthur T. Smith of Boise, owner and operator.

Signed: D. D. Walker (Engineer)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

~~xxWASHINGTON 25xDxC.~~
1201 N. Division Street
Spokane 2, Washington

RECEIVED
AUG - 3 1956

July 24, 1956

Mr. Arthur T. Smith
915 Main Street
Boise, Idaho

Re: Docket No. DMEA 2891 (Columbium-tantalum-uranium)
J. R. Simplot Co.
Dismal Swamp Placers
Elmore County, Idaho
Contract No. Idm-E545

Dear Mr. Smith:

Thank you for your check in the amount of $10.18 on the sale of concentrates from the subject property. We wish you success in this venture and sincerely hope it proves profitable to you.

In order that we may keep our records current on this project we would also like to receive, with the royalty checks, some evidence of sale showing to whom sold, amount sold, and the price obtained. A copy would be sufficient.

The latest quotation for columbium-tantalum is $1.15 to $1.35 per pound for concentrates containing at least 50 percent combined columbium-tantalum pentoxides.

By Field Team, Region I, NW Dist.

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

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

cc: DMEA (2)
USGS (2)

RECEIVED
AUG - 3 1955

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

cc: DMEA (2)
USGS (2)

RECEIVED
JUL 27 1955
ALASKAN GEOL. BR.
MENLO PARK

COPY COPY

ARTHUR T. SMITH

Manufacturing Jeweler

915 Main Street Phone 4-4881 Boise, Idaho

Diamond Setting
Special Order
Work

RECEIVED
AUG - 3 1956

Dear Mr. Weissenborn:

Inclosed find check for 10.18 which is 5% of 203.60. In selling our samplings we received this amount.

This is on a government loan given to Dismal Swamp through J. R. Simplot Co. Your field men were in town when I received the check. They probably told you. As you know ours is Tantelum & Columbium.

This year we have started to operate on a bigger scale. We have near 1000 lbs already before the season is finished. We hope to have between 10,000 and 15,000 lbs.

I would like very much to know what % the cons and what price they are, or will be paying. We sent our samplings in at 66% last year. Ours comes off of the Whelfly table at 47 to 53%.

Any information would be appreciated.

Sincerely yours,

/s/ ARTHUR T. SMITH

7/30/56.

Dm E4

RECEIVED
JUL 30 1956

xxxxxxxxxxxxxxxxx
So. 157 Howard Street
Spokane 4, Washington

July 23, 1956

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

Re: Docket No. DMEA-2891 (columbium-tantalum-uranium)
J. R. Simplot Co.
Dismal Swamp Placers
Elmore County, Idaho
Contract No. Idm-2545

Dear Mrs. Purdy:

Attached is a personal check dated July 19, 1956, for $10.18 from Arthur T. Smith which represents the Government's royalty due from a shipment of samplings from Dismal Swamp Placers prospect in accordance with the attached letter.

The property is being operated by Mr. Smith and Howard Paul of Boise, Idaho.

Sincerely yours,

A. S. Weissenborn
Executive Officer, DMEA
Field Team, Region I
Northwest District

Attachments as indicated

cc: Arthur T. Smith
DMEA w/encls. ✓
CPF

ATTACHMENTS RECD	7-24-56
BY	MP
ROYALTY PAID IN ENCL	$ 10.18

DEFENSE MINERALS EXPLORATION ADMINISTRATION

Rare & Misc. Metals Division Date 7-17-56

Semi-Annual Report - Certified Project Date Jan. 1 to June 30, 1956

DMEA No. 2891 Operator J.R. Simplot Co. Contract No. Idm-E 545

Ore Estimates	Ore Reserves ~~Tons~~ yds³	~~total~~ ~~Analysis~~
Original (DMEA)	34 000	95# U_3O_8 & 8.750# Cb_2O_5 & Ta_2O_5
Increase (Operator)	None	
Total		
Decrease (Production)	NONE	
Net Available		

Investment

Shafts			Winzes			Drifts & Crosscuts		
Size	Feet	Cost	Size	Feet	Cost	Size	Feet	Cost

Raises			Drilling			Rehabilitation	
Size	Feet	Cost	Type & Size	Feet	Cost	Description	Cost

Facilities

Mine Plant		Mill		Roads	
Description	Cost	Description	Cost	Description	Cost

Remarks

FIVE ACRES OF overburden was removed and a small dam constructed preparatory to mining. No cost for this work was reported. E.I. duPont Co. have option to purchase property.

J. Nk

100338

545

RECEIVED JUL 1 2 1956

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

SEMI-ANNUAL REPORT OF CERTIFIED PROJECT

Reporting period: January 1 to June 30, 1956 Date of exam: May 24, 1956

Operator: J. R. Simplot Co., Continental Bank Bldg., Boise, Idaho

Mine name: Dismal Swamp Placers

County and State: Elmore County, Idaho

Docket number and Commodity: DMEA-2891 (columbium-tantalum-uranium)

Contract number: Idm-E545

Date of contract: June 5, 1953

Date of certification: September 29, 1954

Expiration date of royalty payments: June 5, 1963

Total amount of contract: $18,190.00

Total expenditures under contract: 8,834.97

Amount of Government participation at 90%: 7,951.47

Royalty payments this period: none

Previous royalty payments: none

Total royalty payments to date: none

Percent Govt. participation repaid: none

Royalty due on production to date: $10.18

Royalty remarks: See "Production Remarks".
Royalty audit by C. E. Fisher, dated August 5, 1955.

Original estimate of reserves (from final Engr.-Geol. report):	An estimated 34,000 cu. yd. of dredgeable gravel containing 6,000 to 11,500 lbs. of Nb_2O_5 + Ta_2O_5 recoverable in a 50% concentrate.
Increase (or decrease) of reserves by work performed subsequent to original and last Field Team estimates:	none
Revised estimate of reserves:	none
Production this period:	none
Amount of previous production (since date of contract):	none
Percent of revised reserves mined:	none

Production remarks: Five acres of overburden were cleared off and a small dam was built preparatory to working the property. The E. I. duPont Company paid $203.60 for samples sent them during the past season. Arthur T. Smith, one of the present operators of the property, will send a check to the Government for the royalty due.

Other remarks: The property is being operated by Arthur T. Smith, 915 Main St., Boise, Idaho, and Howard Paul of Boise, Idaho. The E. I. duPont Co. has an option to purchase the property which expires in May 1957; the option includes a one-year extension privilege.

Under the option the duPont Co. is to purchase up to 15,000 lbs. of concentrate (+ 50% grade) at $2/lb. Two thousand dollars has been paid by duPont and will be deducted from the $30,000 advance royalty payable on the purchase date.

The property was inaccessible at the time of the engineer's visit, and the above information was obtained from Mr. Smith.

Signed: A. L. Service (Engineer)

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

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

1201 N. Division St.
Spokane 2, Washington
March 20, 1956

Hawley & Marcus
Attorneys and Counselors
Eastman Building
Boise, Idaho

Re: Docket No. DMEA-2891 (columbium-tantalum-uranium)
J. R. Simplot Company
Dismal Swamp Project
Elmore County, Idaho
Contract No. Idm-E545

Gentlemen:

As requested in your March 14 letter, we are enclosing a copy of the referenced contract with attached Annexes I, II and III.

Our records show that the Operator was reimbursed in the amount of $7,951.47, which is repayable to the Government as royalty on production in accordance with the terms of the contract and Annex III. As no royalty payments have been received to date, the amount repayable remains as $7,951.47.

By Field Team, Region I, NW District

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

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

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

HAWLEY & MARCUS
ATTORNEYS AND COUNSELORS
EASTMAN BUILDING
BOISE, IDAHO

JESS B. HAWLEY, 1882-1949
JESS B. HAWLEY, JR.
CLAUDE V. MARCUS
JOHN T. HAWLEY

RECEIVED
MAR 26 1956

March 14, 1956

United States Department of the Interior
Defense Minerals Exploration Administration
South 157 Howard Street
Spokane 4, Washington

Attention: Mr. A. E. Weissenborn,
or
Mr. Strickland (Frykland)

Dear Sirs:

In line with my telephone conversation with Mr. Strickland I am enclosing herewith an authorization from one of the owners of the subject claims, authorizing that a copy of the loan agreement be sent to this office. We would also appreciate that a certified statement as to the balance due be sent to me with the contract in order that the parties can finally fix this amount for the purpose of their contemplated agreement.

Yours very truly,

HAWLEY & MARCUS

By Jess B. Hawley

JBH:ps
Enc/

DMEA

RECEIVED
MAR 16 1956
U. S. G. S.
SPOKANE, WASH.

RECEIVED
MAR 26 1956

Boise, Idaho
March 14, 1956

United States Department of the Interior
Defense Minerals Exploration Administration
South 157 Howard Street
Spokane 4, Washington

Attention: Mr. A. E. Weissenborn
or
Mr. Strickland

Dear Sirs:

The writer, Arthur T. Smith, is one of the owners of the mining claims involved in the government loan identified as Docket No. DMEA-2891, (colombium-tantalum and uranium) Contract No. Idm-E545. I am presently negotiating for the sale of these claims, which are subject to the lien of the government loan. It is necessary that we obtain a copy of the government contract, there being none available in Boise either in our files or in the files of the borrower, J. R. Simplot Company. Will you please send a true copy of the loan contract to the office of Hawley & Marcus, Attorneys at Law, Post Office Box 1617, Boise, Idaho.

In order that we verify the balance due on the government loan, would you please send me a signed statement from your office certifying to the balance that is due the DMEA administration.

Yours very truly,

Arthur T. Smith

Arthur T. Smith

RECEIVED
MAR 16 1956
U.S.
SPOKANE, WASH.

DEFENSE MINERALS EXPLORATION ADMINISTRATION

Raven Mine Metals Division Date 6-8-56

Semi-Annual Report - Certified Project Date ~~[illegible] 12-31-55~~ approved

DMEA No. 2891 Operator J.R. Simplot Company Contract No. Idm-E 545

Ore Reserves

Ore Estimates	Tons (yds³)	Analysis
Original (DMEA)	34,000	98# UO_3 & 8,750# Cb_2O_5 + Ta_2O_5
Increase (Operator)	NONE	
Total		
Decrease (Production)		
Net Available	Same as original	

Investment

Shafts			Winzes			Drifts & Crosscuts		
Size	Feet	Cost	Size	Feet	Cost	Size	Feet	Cost

Raises			Drilling			Rehabilitation	
Size	Feet	Cost	Type & Size	Feet	Cost	Description	Cost

Facilities

Mine Plant		Mill		Roads	
Description	Cost	Description	Cost	Description	Cost

Remarks

Operator allowed lease and option to lapse.

100338

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

RECEIVED
JAN 9 1956

SEMI-ANNUAL REPORT OF CERTIFIED PROJECT

Period: July 1, 1955 to December 31, 1955

Docket No.: DMEA-2891
Contract No.: Idm-E545

Operator: J. R. Simplot Co., Continental Bank Bldg., Boise, Idaho

Commodity: Columbium-tantalum-uranium

Mine name: Dismal Swamp Placers

County: Elmore
State: Idaho

Date of contract: June 5, 1953

Date of certification: September 29, 1954

Expiration date of royalty payments: June 5, 1963

Date of examination for this report: December 19, 1955

Total amount of contract: $18,190.00

Total expenditures under contract: $ 8,834.97

Amount of Government participation at 90%: $ 7,951.47

Royalty payments this period: none

Previous royalty payments: none

Total royalty payments to date: none

% Loan repayment completed: none

Amount of royalty due: none

Royalty remarks: Royalty audit by C. E. Fisher, dated August 5, 1955

Original estimate of reserves (from final Engr.-Geol. Report): An estimated 34,000 cubic yards of dredgeable gravel containing 6,000 to 11,500 pounds of Nb_2O_5 + Ta_2O_5 recoverable in a 50% concentrate.

Increase (or decrease) of reserves by work performed subsequent to expiration or termination of contract: none

Revised estimate of reserves:

Production this period (ore or centrates): none

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

Total DMEA production to date: none

% of revised reserves mined:

Production remarks:

The status of this property has not changed since the semi-annual report for January-June 1955. No shipments have been made from the property since the project was terminated.

Other remarks: (Investments, etc.)

Signed: A. L. Service (Engr.)

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

RECEIVED
JUL - 5 1955

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

SEMI-ANNUAL REPORT OF CERTIFIED PROJECT

Period: January 1, 1955 to June 30, 1955

Docket No. DMEA 2891 (columbium-tantalum-uranium) Contract No. Idm-E545

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

Name of mine: Dismal Swamp Placers

County: Elmore State: Idaho

Date certified: September 29, 1954 Date of last inspection: June 9, 1955

Contract amount: $18,190.00 Inspection engineer: A. L. Service

Amount spent: $ 8,834.97 Government participation: $7,951.47

Amount repaid to date: none

Reserves: 34,000 cubic yards of estimated reserves. There has been additional exploration work done on the property and the above figure may not be exact.

Remarks: There has been no production from the property.

According to a letter dated October 7, 1954, the J. R. Simplot Company sold their interest in the Dismal Swamp Placers to Arthur T. Smith and Howard Paul of Boise, Idaho. It has been reported that the present owners are negotiating for the sale of this property. At the present time the interested parties are not known. no!

Distribution:
DMEA (4)
USGS (2)
USBM (2)
Certifying Officer

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
FEB 3 1955

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

SEMI-ANNUAL REPORT OF CERTIFIED PROJECT

Period: July 1, 1954 to December 31, 1954

Docket No. 2891 (columbium-tantalum-uranium) Contract Idm-E545

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

Name of mine: Dismal Swamp Placers

County: Elmore County State: Idaho

Date certified: Sept. 29, 1954 Date of last inspection: See "Remarks".

Contract amount: $18,190.00

Amount spent: $ 8,834.97 Government participation: $7,951.47

Amount repaid to date: none

Reserves: 34,000 cubic yards of estimated reserves

Remarks: Contract work started on July 22, 1953 and was completed in September 1953. There was only one routine inspection made of the project, on September 9 and 10, 1953.

There has been no production from the property.

According to a letter dated October 7, 1954, the J. R. Simplot Company sold their interest in the Dismal Swamp Placers to Arthur T. Smith and Howard Paul of Boise, Idaho. no!

Motion of [illegible]

Distribution:
DMEA, Wash. (4)
USGS (2)
USBM (2)
Certifying Officer

Rubin

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

November 4, 1954

Memorandum

To: The Administrator, DMEA
Attention: Mr. E. W. Ellis

From: Acting Assistant Solicitor, Defense Minerals

Subject: Docket No. DMEA-2891, J. R. Simplot Company (columbium-tantalum and uranium) Contract Idm-8345

With a reference slip dated October 27 the Rare and Miscellaneous Metals Division transmitted for our review a draft of a proposed response to a letter dated October 7 from the Operator which informed the Executive Officer, Region II, that it no longer holds any interest in the land which was the subject of the exploration project, as the lease and option was "allowed to lapse," and that, subsequently, the land was sold to a third party purchaser.

The contract was written on the long form (Revised Feb. 1952), and an Owner's Consent to Lien is attached. A Certification of Discovery or Development was made September 29, 1954. The contract contained the "abandonment" provision which excuses the Operator from the prohibition against transferring the land without providing for the Government's percentage royalty.

In our memorandum dated July 27, 1954, on the subject "Liability of Landlord for Royalties after Abandonment by Lessee-Operator," it was pointed out that neither a lessee-operator nor his landlord who signed the Owner's Consent to Lien is liable for royalty after abandonment by the lessee-operator under the abandonment provision. It follows that purchasers of the land from the landlord after abandonment by the lessee are not liable for any royalty. Therefore, the drafted response suggesting that the Operator inform the transferee of obligations by the latter for royalty is inappropriate and is returned herewith.

HCRubin/emd
Copy to: DMEA Docket
Solicitor's docket
E. W. Ellis (2)
J. L. Hofflund
H. C. Rubin
Attachment
chro

J. L. Hofflund

J. L. Hofflund
Acting Assistant Solicitor
Defense Minerals

DRAFT
10/27/54
FLKnouse/gla

FLKnouse

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

Re: Docket No. DMEA-2891
(Columbium-tantalum and uranium)
Contract No. Idm-E545
Dismal Swamp Placer Prospect
Elmore County, Idaho

Gentlemen:

This is in response to Mr. O. E. Pothier's letter addressed to Mr. A. E. Weissenborn, Executive Officer, DMEA Field Team, Region II, dated October 7, 1954, concerning the ownership status of the subject property.

In this connection the new owners of the property should be advised of their obligation to the Government concerning the payment of royalties on production as is set forth in Article 9 "Repayment by Operator" and in Annex III of the contract.

Sincerely yours,

Administrator

cc to: Admr. Reading File
Docket
Messrs. Robert E. Griffith, Rm. 3641A
T. H. Kiilsgaard, Rm. 5224
Code 700
Mr. Knouse
DMEA Field Team, Region II (2)

RECEIVED
OCT 28 1954
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

October 18, 1954

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

Re: Docket No. DMEA-2891 (columbium-tantalum)
J. R. Simplot Company
Dismal Swamp
Elmore County, Idaho
Contract Idm-E545

Dear Mr. Selfridge:

I am enclosing herewith a copy of a letter from Mr. O. E. Pothier of the J. R. Simplot Company stating that the Simplot Company no longer holds any interest in the Dismal Swamp Company and that it has been purchased by Arthur T. Smith and Howard Paul of Boise, Idaho. Mr. Pothier also states that so far as he knows there has been no production from the property.

Sincerely yours,

A. E. Weissenborn

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

Enclosure

cc: USBM (2)
USBM (AD)
Weis

REFER TO	ACTION	NOTED	DATE
al			
Jack			

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

October 7, 1954

DMEA

File--Dismal Swamp
Docket No. DMEA 2891

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

Dear Mr. Weissenborn:

We have your letter of September 29, signed by Mr. Frank E. Johnson, advising us that the Dismal Swamp Placer Property, Docket No. DMEA 2891 has been certified by the United States of America as a discovery or development under an Exploration Project Contract.

The J. R. Simplot Company no longer holds any interest in this particular property. Our lease and option from the original owners was allowed to lapse because the results of our exploration work showed results that in our opinion did not justify continuing with the operation.

The property was subsequently purchased by Arthur T. Smith, 915 Main Street, Boise, and Howard Paul of Boise, Idaho. To my knowledge, there has been no production from this property.

Please advise us if there is additional information that you feel the Simplot Company will be able to furnish.

Sincerely,

O. E. Pothier
Mining Engineer

OEP:je

RECEIVED
OCT 11 1954
U. S. G. S.
SPOKANE, WASH.

cc: Arthur T. Smith

xxxxxxxxxxxxxxxxx
So. 157 Howard Street
Spokane 4, Washington

October 18, 1954

Mr. O. E. Pothier
Mining Engineer
J. R. Simplot Company
Continental Bank Building
Boise, Idaho

Re: Docket No. DMEA-2891 (columbium-tantalum)
J. R. Simplot Company
Dismal Swamp
Elmore County, Idaho
Contract IDm-E545

Dear Mr. Pothier:

Thank you for your letter of October 7, 1954, giving us the present status with regard to the Dismal Swamp placer property. We have referred a copy of this to our Washington office for their information.

Sincerely yours,

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

cc: DMEA (2)
USBM (2)
Weis

[redacted] [redacted]rname copy 700

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

F. E. Kuosme
Ellis
Talbot
Kilsgaard
Hedges
Selfridge

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

SEP 29 1954

INTERIOR DEPT.
SEP 22 1954
SOLICITOR

Re: Docket No. DMEA-2891
(Columbium-tantalum and uranium)
Contract No. Idm-E545
Dismal Swamp Placer Prospect
Elmore County, Idaho

Dear Mr. Simplot:

Enclosed is a "Certification by the United States of America of a Discovery or Development Under an Exploration Project Contract." This certification covers all the land described in Article 2 of the above-described contract.

By the terms of the Exploration Project Contract, as amended, and of the certification, all columbium-tantalum, uranium, and other valuable minerals produced from the claims described in Article 2 of the contract, from June 5, 1953, the date of the contract, are subject to the Government's percentage royalty as set forth in the contract until the sum of $7,951.47 is paid, or until June 5, 1963, whichever occurs first.

Payments should be made to Mr. A. B. Weissenborn, Executive Officer, DMEA Field Team, Region II, South 157 Howard Street, Spokane 4, Washington. Checks should be payable to the Defense Minerals Exploration Administration. The purchaser should be advised to deduct the royalties from the amount due on each shipment and forward the check directly to the Executive Officer. Any bonus payments or allowances received by you from the sale of ore are considered to be a part of the purchase price to which the Government's royalty applies. Royalty payments to the Government should be accompanied by suitable evidence, such as copies of settlement sheets, showing quantity and grade of the products sold, the name of the purchaser, and the price and charges, certified to be correct by the purchaser.

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

Sincerely yours,

Frank E. Johnson

ACTING Administrator

Enclosure

FLKnouse/gla 9-21-54
cc to: Admr. Reading File
Operating Committee
Docket
Code 700
DMEA Field Team, Region II

Messrs. Hedges, Rm. 4604
Kilsgaard, Rm. 5227
F. E. Johnson, Rm. 4624
F. L. Knouse, Rm. 4640

R.C.G.

name copy

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

J L Kavanagh
Ellis
Talbot
Kulsgaard
Hedges
Selfridge

Mr. Irving Gumbel, Acting Director
Materials Division
Emergency Procurement Service
General Services Administration Bldg., Rm. 5002
7th and D Streets, S. W.
Washington 25, D. C.

SEP 29 1954

Re: Docket No. DMEA-2891
(Columbium-tantalum and uranium)
Contract No. Idm-D545
J. R. Simplot Company
Dismal Swamp Placer Prospect
Elmore County, Idaho

Dear Mr. Gumbel:

I am enclosing one copy of a certification of discovery or development relating to the subject exploration contract.

The contract, providing for the construction of a 1½-mile access road from the nearest point on the Boise-Rocky Bar Highway to the subject property, 500 feet of churn-drill holes, and analytical work on samples taken from the churn-drill holes and trenches, was signed on June 5, 1953. The contract total amount was $18,190.00, with Government participation at 90 percent, or $16,371.00. An audit of the expenditures during the life of the contract shows a total net cost of $8,834.97, with Government participation at 90 percent, or $7,951.47.

The work accomplished was as follows:

1.6 miles of access road, constructed by bulldozer.

16 bulldozer trenches, 6 to 12 feet deep, were cut.

25 churn-drill sites were prepared by bulldozer.

25, 6-inch, churn-drill holes from 6.5 to 18.5 feet deep were drilled. The total footage drilled was 329.4 feet.

Shaft No. 1, 10.5 feet deep and 5 x 5 feet in cross section and untimbered, was sunk to bedrock around Drill Hole No. 8.

Shaft No. 2, 12.1 feet deep and 5 x 5 feet in cross section and untimbered, was sunk to bedrock around Drill Hole No. 4.

All of the bulldozer trenches, churn-drill holes and prospect shafts are located on the Associated Gem Group Nos. 2 and 3 claims.

R.C.S.

Work on the project was started July 22, 1953. Field work was completed by the middle of September 1953. However, mineral separation tests and chemical analyses were not completed until recently.

The exploration work performed indicated a reserve of about 34,000 cubic yards of gravel having an average depth of approximately 7 feet, and contains an estimated 6,000 to 11,500 pounds of Nb_2O_5 and Ta_2O_5 and 70 to 120 pounds of U_3O_8.

The DMEA is of the opinion that the project work was of definite benefit to the property and, therefore, we have certified that a discovery or development resulted from the work.

Sincerely yours,

Frank E. Johnson

ACTING Administrator

Enclosure

FLKnouse/gla
9-21-54
cc to: Admr. Reading File
Operating Committee
Docket
Mr. Hedges, Rm. 4604
Mr. Kiilsgaard, Rm. 5227
Code 700
DMEA Field Team, Region II (2)
F. E. Johnson, Rm. 4624
F. L. Knouse

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

September 23, 1954

INTERIOR DEPT.
SEP 27 1954
SOLICITOR

Memorandum

To: The Administrator, DMEA

From: Acting Assistant Solicitor, Defense Minerals

Subject: J. R. Simplot Company, Docket No. DMEA-2891
Contract Idm-E545 (columbium, tantalum, and uranium)

I have surnamed the Certification of Discovery or Development in this matter, although I deem it to be entirely inadequate and not conforming to the requirements of the contract. The deficiencies in this certification are similar to those discussed in recent correspondence. I have surnamed it this time in spite of the defects because the submission bears a "Special" tag, and it may be that time limitations require prompt certification. A defective certification is better than none at all.

J. L. Hofflund

J. L. Hofflund
Acting Assistant Solicitor
Defense Minerals

Attachment

JLHofflund/emd

Copy to: DMEA Docket
Solicitor's Docket
E. W. Ellis(2)
J. L. Hofflund
chron.

R.C.S.

Surname copy

F. L. Knouse
Ellis
Kiilsgaard

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

September 21, 1954

Memorandum

To: The Administrator

From: Ernest Wm. Ellis, Chief

Subject: Docket No. DMTA-2891 (Columbium-tantalum and uranium)
Contract No. Idm-E545
J. R. Simplot Company
Dismal Swamp Placer Prospect
Elmore County, Idaho

A certification of discovery or development has been prepared by this Division on the subject contract pursuant to the Field Team's memorandum to the Operating Committee, dated August 26, 1954.

The Operator's final report was received by Region II on January 26, 1954. In connection with Article 9 of the contract, you will note that the 6-month period following submission of the Operator's final report, in which the Government shall issue a certification, has expired. However, it was believed by the Field Team, judging from the sampling results submitted by the Operator, that no certification would be recommended. Later metallurgical work and analyses by the USBM and USGS of the sample splits supplied by the Operator indicated a change in the decision, and the Field Team advised that the project should be certified as a discovery. Since the Operator's final report was not "adequate", the Legal Division believes we can issue a certification of discovery or development.

We have, therefore, prepared a certification of discovery or development, with accompanying letters to the Operator and Emergency Procurement Service, for your consideration.

Ernest Wm. Ellis

Ernest Wm. Ellis

FLKnouse/gla
cc to: Operating Committee
Docket
Messrs. Hedges, Rm. 4604
Kiilsgaard, Rm. 5227
F. E. Johnson, Rm. 4624

Code 700 contract file
Mr. Knouse

IN REPLY REFER TO:

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

September 8, 1954

Re: DMEA-2891
J. R. Simplot Co.
(Dismal Swamp Prospect)
Elmore County, Idaho
$8,834.97
Columbium-Tantalum-Uranium

Memorandum

To: E. Wm. Ellis
Defense Minerals Exploration Administration

From: E. L. Newcomb
U. S. Geological Survey

Subject: Review of Final Field Report

The Field Team recommends a certification of discovery be issued.

Further work is not needed as the deposit has been thoroughly explored.

Reserves are estimated to be 34,000 cubic yards containing 6,000 - 11,500 pounds of 50 percent columbium-tantalum ore and 70-120 pounds of U_3O_8.

I concur with the Field Team's conclusions, and recommend this deposit be certified.

E. L. Newcomb
E. L. Newcomb

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

OF THE INTERIOR
Administration
2 1954

August 26, 1954

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

Re: Docket No. DMEA-2891 (columbium-tantalum & uranium)
J. R. Simplot Company
Dismal Swamp Placer Prospect
Elmore County, Idaho
Contract Idm-E545 (completed)

Dear Mr. Selfridge:

Enclosed are four copies of the Field Team's final report on the J. R. Simplot Dismal Swamp placer prospect.

Because of its remote location and small size the property is probably submarginal and, on the basis of the operator's analyses, it was not thought that the property could be certified. Later analyses made in the U. S. Geological Survey laboratory of various fractions of the operator's samples and careful study of the sampling results indicate that the deposit does contain significant amounts of columbium and tantalum and, therefore, should be certified as a discovery, although perhaps not minable under present conditions.

Field work was completed in September 1953, but laboratory work continued and the operator's final report was received on January 26, 1954. The auditor's report of review accepting the final voucher was accepted on May 25, 1954. We believe, therefore, that the project is certifiable.

By Field Team, Region II

Reviewed by
DMEA OPERATING COMMITTEE
9-8-54
(date)

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

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

Enclosure
cc: USBM (2)
Armstrong
AEC, Salt Lake

F.T. FINAL Report

DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

FIELD TEAM, REGION II

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
SEP - 2 1954

FINAL REPORT

Contract Idm-E545

by

Frank C. Armstrong
Geologist
U. S. Geological Survey

J. R. SIMPLOT COMPANY
Continental Bank Building
Boise, Idaho

Docket No.:	DMEA-2891
Commodity:	Columbium-Tantalum & Uranium
Contract date:	June 5, 1953
Completion date:	September 1953

DISMAL SWAMP PLACER PROSPECT
Secs. 22, 27, 33, 34, & 35, T. 5 N., R. 9 E., B.M.
Elmore County, Idaho

Spokane, Washington

August 1954

Reviewed by
DMEA OPERATING COMMITTEE

9-8-54
(date)

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FINAL REPORT

J. R. SIMPLOT COMPANY
Dismal Swamp Placer Prospect
Secs. 22, 27, 33, 34, & 35, T. 5 N., R. 9 E., B.M.
Elmore County, Idaho

Contract Idm-E545

* * * *

INTRODUCTION

This report describes a project carried on by J. R. Simplot Company under an exploration contract with Defense Minerals Exploration Administration to prospect a placer deposit containing columbium, tantalum, and possibly uranium at Dismal Swamp, Elmore County, Idaho.

Summary

The exploration project was undertaken to prospect a placer deposit containing columbium, tantalum, and possibly uranium.

Sixteen bulldozer trenches were dug and 25 churn drill holes were drilled to explore the deposit. The deposit contains columbite and samarskite. The exploration indicated a reserve of a little more than 34,000 cubic yards of dredgeable gravel that contains between 6,000 and 11,500 pounds of Nb_2O_5 + Ta_2O_5 that is probably recoverable in a 50 percent combined pentoxide concentrate. Such a concentrate is worth $3.40 for each pound of contained combined pentoxides. The total value of the recoverable oxides is between $40,000 and $87,000. These values in turn make the gravel worth between $1.20 and $2.30 per cubic yard for its recoverable columbium and tantalum content.

The deposit contains between 70 and 120 pounds of U_3O_8, but probably none of the uranium can be recovered in a marketable form and, therefore, has no value.

Recommendations

Although the ore reserves are small, it is recommended that a Certification of Discovery or Development be made because the deposit contains between 6,000 and 11,500 pounds of the pentoxides of two very critically short metals.

The deposit has been fully explored, therefore, no more exploration of the deposit is warranted.

LOCATION AND ACCESSIBILITY

The Dismal Swamp placer prospect is in secs. 22, 27, 33, 34, and 35, T. 5 N., R. 9 E., B.M., Elmore County, Idaho (fig. 1). It is not in an organized mining district but is just west of the Bear Creek Mining District. The property is on the headwaters of Buck Creek 1½ miles by jeep road from a point about 6½ miles northwest of Rocky Bar, Idaho, on the Rocky Bar-Cougar Creek road. The road from the property through Rocky Bar to Mountain Home, a distance of about 115 miles, is a graded, dirt road to 20 miles north of Mountain Home; the remaining distance is paved. The main line of the Union Pacific Railroad and U. S. Highway 30 pass through Mountain Home. Boise, 44 miles northwest of Mountain Home, is the nearest source of mining supplies.

The property is at an altitude of about 6,900 feet in a wooded mountainous terrain. It lies just northwest of the drainage divide between the Middle Fork of the Boise River and the Feather River. The hills and valleys in the vicinity of the deposit are heavily forested, mostly with lodgepole pine. The winters are long and cold with temperatures frequently as low as 30 degrees below zero. The property is inaccessible 6 or 7 months out of the year. Snowfall is moderately heavy. The start of the project was delayed until late July because of snow. The summers are warm and afternoon showers are common.

PROPERTY

The property to be explored under this contract consists of 10 contiguous, unpatented placer mining claims located in secs. 22, 27, 33, 34, and 35, T. 5 N., R. 9 E., B.M., Elmore County, Idaho (fig. 2). They are recorded in the office of the County Clerk and Recorder in the Elmore County Court House, Mountain Home, Elmore County, Idaho, as follows:

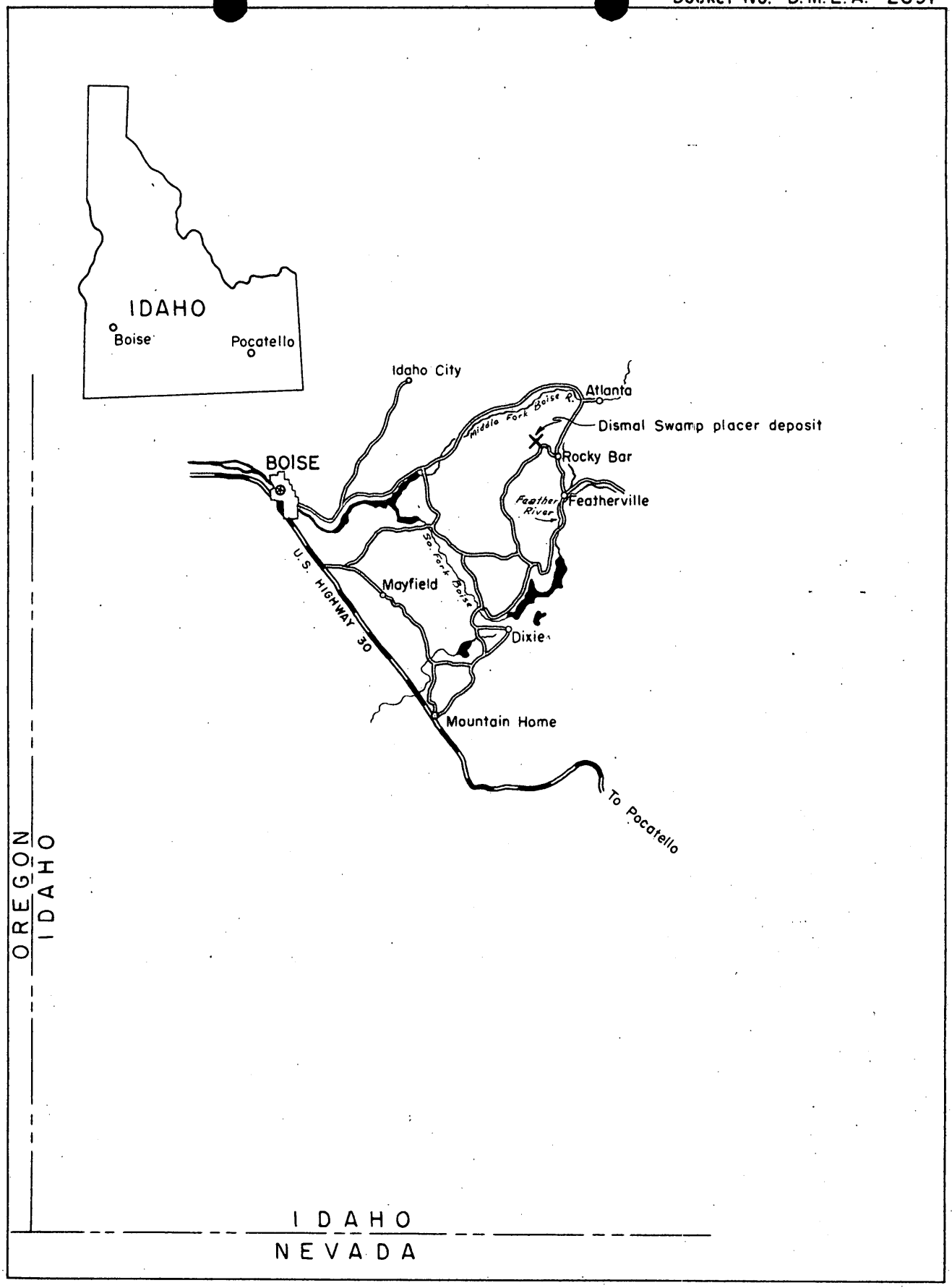


FIGURE 1. — INDEX MAP SHOWING THE LOCATION OF THE DISMAL SWAMP PLACER DEPOSIT

ELMORE COUNTY, IDAHO

Unpatented Placer Claims	Book No.	Page No.
Dismal Associated Group No. 1	34	182
Dismal Associated Group No. 2	34	181
Associated Gem Group No. 2	34	211
Associated Gem Group No. 3	34	210
Associated Gem Group No. 4	34	211
Lodge Pole	34	205
Horseshoe	34	205
Black Stuff	34	197
Trail Creek Group	34	204
Chink Claim	34	195

The title records of ownership have not been searched, but as evidenced by the co-owner's consent to lien, it is believed that J. R. Simplot Company and Idaho Gem Mining Company of Boise, Idaho, are co-owners of the claims.

Prior to the inception of the Government exploration contract, four prospect pits and one 10-foot shaft, which did not reach bedrock, had been dug. There were no other improvements on the property.

GEOLOGY

The principal bedrock types in the vicinity of the Dismal Swamp property are the grandiorite and related granitic rocks of the Idaho batholith of Cretaceous (?) age. Because the area is heavily forested and has a fairly heavy soil cover, outcrops are rare. The deposit is near the south end of the batholith about midway between its east and west margins. Dismal Swamp is at the very headwaters of the westernmost principal fork of Buck Creek only a few hundred yards northwest of the drainage divide between the Middle Fork of the Boise River and the Feather River. The area does not appear to have been glaciated. The granitic bedrock at the deposit is weathered to a moderate depth, and the top few feet of bedrock can be easily dug with a bulldozer.

The gravels in Dismal Swamp are of local origin and are the product of local stream erosion and slope wash. The drainage basin tributary to Dismal Swamp is small in area.

Previous to the start of the project J. R. Simplot Company sent a sample of black sand concentrate from the Dismal Swamp placer to the Bureau of Mines' laboratory at Albany, Oregon, for beneficiation tests. In that sample the Bureau of Mines (Pressler, 1953) identified the following minerals:

magnetite	monazite	anatase
titaniferous magnetite	zircon	xenotime
ilmenite	cyrtolite	sericite
garnet	cassiterite	quartz
columbite	topaz	feldspar
samarskite	rutile	

There was another radioactive mineral that was not definitely identified, but it appeared to be a multiple oxide containing columbium, thorium, rare earths, and a relatively small amount of uranium. In one sample each from Drill Holes No. 3 and 9 the Geological Survey's laboratory at Denver, Colorado, identified by X-ray analysis columbite-tantalite and quartz, and columbite-tantalite, rutile, anatase, and quartz, respectively.

Analyses of the weakly magnetic fractions from 12 drill holes (table 1) shows that the Nb_2O_5 to Ta_2O_5 ratio ranges from approximately 15 to 1 to approximately 45 to 1. The high ratio of Nb_2O_5 to Ta_2O_5 indicates that the principle columbium-bearing mineral of these samples is a columbite very near the columbite end of the columbite-tantalite series. Columbite can contain uranium in amounts greater than those found in the above samples, and the columbite in this deposit could contain much of the uranium shown by the analyses. Samarskite and probably other uranium-bearing multiple oxides occur in the gravels, and, therefore, it is believed that most of the uranium is present in multiple oxide minerals and that the columbite contains very little uranium.

The operator was of the opinion that most columbium-bearing minerals occurred immediately above bedrock and that gravels consisting of pebbles mixed with sand-sized particles contained more columbium than gravels composed wholly of sand-sized particles. In the mixed gravels the columbium-bearing minerals occur with the sand-sized particles interstitially to the pebbles. The suggested relation between particle size and columbium content was never proved, and it is doubtful that it exists. The results of the drilling suggest that most of the columbium-bearing minerals are concentrated near bedrock, as would be expected, but this condition was not conclusively proved.

The columbium-tantalum minerals and uranium-bearing minerals in the deposit are believed to have been derived from the weathering of small pegmatites associated with the Idaho batholith. Similar suites of mineral are known to be associated with such pegmatites in other parts of central Idaho.

Two pieces of evidence suggest that most of the columbium-bearing minerals in the gravels were derived from the area west of

the deposit: (1) the operator in work done prior to the inception of the Government contract, obtained his best samples from along the west margin of the swamp, and (2) the relatively high Nb_2O_5 and Ta_2O_5 content of Drill Hole No. 24 (table 1 and fig. 4).

THE PROJECT

In the summer and fall of 1952 four prospect pits and one 10-foot shaft were dug on the Dismal Swamp property, and samples of the heavy concentrates from the gravels in the pits and shaft were taken for analysis. Analyses of the samples by private assay firms and the Bureau of Mines indicated that the samples contained columbium, tantalum, and uranium in large enough amounts to warrant a more thorough examination of the property. Thereupon, J. R. Simplot Company applied for a Defense Minerals Exploration Administration contract.

The exploration contract granted J. R. Simplot Company differed only slightly from the program originally proposed by the company. The principal difference was that it was decided that four of the holes need not be drilled, and two other holes could be replaced by a single, newly located hole. The original proposal called for a contract in the amount of $19,336, of which the Government would pay 90 percent or $17,402.40. As finally written, the contract called for a total expenditure of $18,190, of which the Government would pay $16,371. As the work progressed, drilling showed the gravels to be thin; therefore, less total footage of drilling was necessary and all of the proposed holes did not have to be drilled. The contractor spent a total of $8,834.97 under the contract, of which the Government paid J. R. Simplot Company $7,951.47.

The contract is dated June 5, 1953. Amendment No. 1, dated July 13, 1953, provided that 6-inch drill holes could be drilled instead of 8-inch holes as called for in the contract because an 8-inch drilling rig was not available at the time the project started. An Approval of Subcontract, dated August 7, 1953, was issued allowing J. R. Simplot Company to subcontract the drilling to A. E. Hosack & Son, drilling contractors of Nampa, Idaho. Amendment No. 2, dated September 15, 1953, provided for the rental of a chain saw for felling trees that would be dangerous to fell with a bulldozer. Amendment No. 3, dated October 20, 1953, permitted J. R. Simplot to use its own bulldozer at the hourly rate specified in the contract rather than that of an independent bulldozer contractor because no other bulldozer was available at the time the project started.

The project was started July 22, 1953. Field work was completed by the middle of September 1953. After completion of the field work, mineral separations were made and selected separated fractions were analysed at J. R. Simplot Company's plant in Boise, Idaho. The operator's final report was received in Spokane January 26, 1954.

Field work completed under the contract was as follows:

(1) 1.6 miles of jeep access road was constructed by bulldozer.

(2) 16 bulldozer trenches, 6 to 12 feet deep, were cut.

(3) 25 churn drill hole sites were prepared by bulldozer.

(4) 25, 6-inch, churn drill holes from 6.5 to 18.5 feet deep were drilled. The total footage drilled was 329.4 feet.

(5) Shaft No. 1, 10.5 feet deep and 5 by 5 feet in cross section and untimbered, was sunk to bedrock around Drill Hole No. 8.

(6) Shaft No. 2, 12.1 feet deep and 5 by 5 feet in cross section and untimbered, was sunk to bedrock around Drill Hole No. 4.

All of the bulldozer trenches and churn drill holes and both of the shafts are located on the Associated Gem Group Nos. 2 and 3 claims.

The company's figures for black sand recovery from each hole, the two shafts, and the channel samples are given in appendix A. Also given in appendix A are graphic logs of Shafts No. 1 and 2 that compare the shaft samples with the samples from Drill Holes No. 8 and 4, respectively.

The samples from the churn drill holes, trenches, and shafts were screened to minus 16-mesh in the field. Examination by panning showed that the plus 16-mesh material contained few, if any, black minerals, and many of the grains of the plus 16-mesh material were not broken down into individual minerals. The minus 16-mesh material was taken to the laboratory at Boise where it was run over a half-size Wilfley table to produce concentrates of each sample.

Magnetite was removed from the concentrate with a hand magnet. The remaining part of the concentrates was then passed through a magnetic separator in which the magnetic intensity can be adjusted. Three splits were made: (1) with the current off and only the residual magnetism of the separator acting to produce a "magnetic" fraction; (2) with the field strength at 1.5 amperes to produce a "weakly magnetic" fraction; and (3) the reject from (2) to produce a "non-magnetic" fraction. The concentrates from the first eight holes were separated

also on a high voltage separator into conducting and non-conducting minerals. It was found that in this separation quite a little of the fine-grained part of the sample was lost; therefore, the rest of the samples were not separated on the high voltage separator.

Five "weakly magnetic" fractions were analyzed for columbium and tantalum by J. R. Simplot Company. The results of these analyses are given in table 1. Mr. E. P. Kaiser, columbium commodity geologist for the Geological Survey, had several fractions of concentrates from drill holes analysed at the Survey's Denver, Colorado, laboratory. The results of these analyses are also given in table 1.

The results of the analyses (table 1) and the testing done by the Bureau of Mines Laboratory at Albany, Oregon, prior to the exploration contract, show that in the magnetic separation described above most of the columbium- and tantalum-bearing minerals in the concentrates are in the "weakly magnetic" fractions.

Ore Reserves

The Dismal Swamp prospect is a placer deposit of irregular outline (fig. 4) located at the head of a narrow valley at the junction of four minor tributaries. An area approximately 130,000 square feet in extent (fig. 4) is estimated to be underlain by dredgeable gravel about 7.1 feet thick (table 2). These figures give an "indicated" reserve of about 34,000 cubic yards of dredgeable gravel.

The relatively high assay values for Drill Hole No. 24 (table 1) indicates that the slope wash material between the edge of the dredgeable gravel outlined on figure 4 and Hole No. 24 contains some columbium-tantalum-and uranium-bearing minerals. There is not enough information available to determine how many cubic yards of slope wash there is or what its columbium-tantalum and uranium content is. This slope wash, however, constitutes a reserve of unknown, but probably small, amount and unknown grade in addition to the "indicated" reserve of 34,000 cubic yards.

J. R. Simplot Company's churn drill hole data indicate that the gravel contains approximately 1.40 pounds of "weakly magnetic" material per cubic yard (table 2). A comparison of the amount of "weakly magnetic" material in samples from Drill Hole No. 8 and from Shaft No. 1, which was sunk around the drill hole, shows that the drill hole samples are low by 26.4 percent. A similar comparison made by the operator between Drill Hole No. 4 and Shaft No. 2, also sunk around the drill hole, indicates the drill hole samples to be low by about 30 percent. The differences in the amount of "weakly magnetic" material contained in the drill hole samples and the samples from the shafts suggest that the content of "weakly magnetic" material of all the drill hole samples may be as much as 25 percent low. If 1.40 pounds

Table 2.--Thickness of dredgeable gravel and pounds of "weakly magnetic" material per cubic yard of gravel as indicated by the eleven churn drill holes within the ore reserve area.

Drill Hole No.	Thickness of dredgeable gravel in drill hole feet	Pounds of "weakly magnetic" material per cubic yard of gravel 1/
5	7.0	0.92
6	9.0	1.10
7	10.0	0.54
8	5.5 2/	2.06 2/
9	7.0	1.74
10	4.0	1.58
12	6.0	1.06
13	9.0	1.24
21	6.0	2.45
22	8.0	2.36
23	7.0	1.01
Averages	7.1	1.40

1/ From J. R. Simplot Company's logs of individual drill holes.

2/ Corrected for depth to bedrock but not for grade as revealed in Shaft No. 1

represents only 75 percent of the "weakly magnetic" material in the gravel, then the gravel contains 1.87 pounds of "weakly magnetic" material per cubic yard.

Analyses (table 1) of "weakly magnetic" fractions from the drill hole samples show the "weakly magnetic" material to contain approximately 14 percent combined Nb_2O_5 and Ta_2O_5, and about 0.15 percent U_3O_8. It is possible that the samples in table 1 that most accurately represent the "weakly magnetic" material are those from Holes No. 9, 12, 13, 21, 22, and 23. The analyses of these samples average about 20 percent combined Nb_2O_5 and Ta_2O_5, and 0.19 percent U_3O_8. The average columbium-tantalum and uranium content of "weakly magnetic" material from Drill Holes No. 5, 6, 7, 8, and 10 was more or less arbitrarily arrived at using what information was available. It appears that many of the analyses of samples from these holes are not for the "weakly magnetic" fraction, or are for only a part of the total footage of the hole, or are for only a part of the "weakly magnetic" fraction of the sample. Moreover, all the analyses for these holes are lower than for Holes No. 9, 12, 13, 21, 22, and 23, although Holes No. 5, 6, 7, 8, and 10 are close to and in part surrounded by Holes No. 9, 12, 13, 21, 22, and 23. For these reasons it is thought that the "weakly magnetic" fraction of the gravel may contain more than 14 percent combined Nb_2O_5 and Ta_2O_5 and 0.15 percent U_3O_8.

Inspection of table 1 indicates that the "magnetic" fractions of the samples also contain a little columbium and uranium.

The assay information available is not sufficient to determine accurately the columbium-tantalum and uranium content of the placer gravels. It seems fair to assume, however, that for the "weakly magnetic" fraction, which contains practically all of the columbium-tantalum and uranium in the gravels, the combined Nb_2O_5 and Ta_2O_5 content is between 14 and 20 percent, and the U_3O_8 content is between 0.15 and 0.19 percent.

In table 3 are presented reserve, grade, and value figures for 34,000 cubic yards of gravel for two different "weakly magnetic" mineral contents and for two different average Nb_2O_5 + Ta_2O_5 and U_3O_8 contents. Thirty-four thousand cubic yards of gravel averaging 1.40 or 1.87 pounds of "weakly magnetic" material per yard contain a total of 47,600 or 63,580 pounds of "weakly magnetic" material, respectively. The "weakly magnetic" material in the gravel averages between 14 and 20 percent combined Nb_2O_5 and Ta_2O_5, and between 0.15 and 0.19 percent U_3O_8. The total content of Nb_2O_5 + Ta_2O_5 is between 6,664 and 12,716 pounds, and the total U_3O_8 content is between 71.4 and 120.8 pounds. The gross value of 100 percent of the above three contained oxides before deduction of mining and concentrating charges is between $45,850.70 and $87,374.80, corresponding to a value per cubic yard of between $1.35 and $2.57, respectively.

Table 3.--Reserves, pounds of contained oxides, value of contained oxides, and value per cubic yard of Dismal Swamp placer deposit, Elmore County, Idaho

Total "indicated" reserves cubic yards	Pounds of "weakly magnetic" material per cubic yard	Total pounds of "weakly magnetic" material	Total pounds $Nb_2O_5+Ta_2O_5$ in the "weakly magnetic" material	Total pounds U_3O_8 in the "weakly magnetic" material	Value of total pounds $Nb_2O_5+Ta_2O_5$ 3/	Value of total pounds U_3O_8 4/	Total value	Value per cubic yard
34,000	1.40	47,600	6,664 1/ 9,520 5/	71.4 2/ 90.44 6/	$45,315.20 $64,736.00	$535.50 $678.30	$45,850.70 $65,414.30	$1.35 $1.92
	1.87	63,580	8,901.2 1/ 12,716.0 5/	95.37 2/ 120.80 6/	$60,528.16 $86,468.80	$715.28 $906.00	$61,243.44 $87,374.80	$1.80 $2.57

1/ Assuming the "weakly magnetic" material averages 14 percent $Nb_2O_5+Ta_2O_5$.
2/ Assuming the "weakly magnetic" material averages 0.15 percent U_3O_8.
3/ On the basis of $[illegible] per pound for material containing 30 percent $Nb_2O_5+Ta_2O_5$.
4/ On the basis of $7.50 per pound U_3O_8. These figures do not include the 6 cent per ton-mile up to 100 miles haulage allowance.
5/ Assuming the "weakly magnetic" material averages 20 percent $Nb_2O_5+Ta_2O_5$.
6/ Assuming the "weakly magnetic" material averages 0.19 percent U_3O_8.

Exploitation Possibilities

The estimated total pounds of columbium, tantalum, and uranium oxides in the reserves given in table 3 are not necessarily the economically recoverable amounts of these oxides. Similarly, the amounts of "weakly magnetic" material given in table 3 are those recovered from a laboratory treatment of the samples and are not necessarily the amounts economically recoverable in a placer mining operation.

Test work by the Bureau of Mines' laboratory at Albany, Oregon, on one "black sand" sample from Dismal Swamp submitted by J. R. Simplot Company prior to the inception of the Government exploration contract "indicated that, by the combination of screening, magnetic separation and tabling as much as 95.9 percent of the columbite can be recovered in a concentrate with an analysis of 70.8 percent" combined Nb_2O_5 and Ta_2O_5, "and in which the Nb/Ta ratio is 8.0 to 1.0. Appreciable quantities of samarskite, monazite, and zircon concentrates were also produced." (Pressler, 1953)

It is to be noted, however, that the sample submitted for testing was of "black sand", and analysis by the Bureau of Mines of the head sample showed it to contain 47.3 percent combined Nb_2O_5 and Ta_2O_5 and to consist essentially of columbite. It is not known to what concentration procedures J. R. Simplot Company subjected the sample before sending it to the Bureau of Mines. Because the sample tested by the Bureau of Mines was in reality a concentrate, it is doubtful that the Bureau's results are directly applicable to the gravels of the Dismal Swamp deposit.

Columbium concentrates with a combined Nb_2O_5 and Ta_2O_5 content of 35 percent and having a Nb_2O_5 to Ta_2O_5 ratio of not less than one to one, are salable in lots of 2,000 pounds and over at $1.40 per pound of combined contained pentoxide, plus 2 cents per pound for each additional full percent of combined contained pentoxide above 35 percent. Impurities, about which there is no information for the Dismal Swamp deposit, may not exceed 8 percent TiO_2, 8 percent SnO_2, 25 percent FeO, and 13 percent MnO. A bonus of 100 percent of the price specified is paid for lots meeting the above specifications. Columbium concentrates are also salable in lots of less than 2,000 pounds. Such small lots must contain a minimum of 50 percent combined Nb_2O_5 and Ta_2O_5, in any ratio. Concentrates containing 50 percent combined pentoxides sell for $3.40 for each pound of combined contained pentoxide. It is this figure that has been used in calculating the Nb_2O_5 + Ta_2O_5 dollar values in table 3.

The figures for uranium oxide in table 3 are for the total U_3O_8 content in the gravel and the total value of the U_3O_8, assuming the U_3O_8 is 100 percent recoverable and marketable at the price paid for Colorado Plateau ores, i. e., $7.50 per pound of U_3O_8. In all probability the uranium oxide content is not 100 percent recoverable, and, moreover, to the writer's knowledge, there is no market at present for uranium-bearing multiple oxides such as the samarskite concentrate the Bureau of Mines was able to make in its tests. The columbium concentrates probably would contain a small amount of uranium, but it is unlikely that the operator would be paid for the uranium so contained.

The Bureau of Mines' tests of a single "black sand" sample, though admittedly far from conclusive, suggest that perhaps as much as 90 percent of the combined Nb_2O_5 and Ta_2O_5 in the Dismal Swamp deposit could be recovered in a concentrate containing 50 percent combined pentoxides. This product would be salable at $3.40 per pound of combined contained pentoxides. Applying these figures to those in table 3, the deposit contains between 6,000 and 11,500 pounds of recoverable Nb_2O_5 + Ta_2O_5 valued at between $40,000 and $78,000, or between $1.20 and $2.30 per cubic yard of reserves.

It is unlikely that any of the uranium would be marketable.

The outline of the ore reserves is shown on figure 4. The product of the depth of dredgeable gravel and the pounds of "weakly magnetic" material in each drill hole, as well as the average Nb_2O_5 + Ta_2O_5 content of the "weakly magnetic" fractions from each drill hole are also shown on figure 4.

No cost estimations have been made to determine whether the Dismal Swamp deposit could be operated at a profit under present conditions.

Summary of Factual Data

The units of work completed and their respective costs were as follows:

Bulldozing - 215½ hours @ $12.50/hr.	$2,693.75
Churn drilling - 329.4 feet @ $5.2527/ft.	1,730.25
Two test shafts @ $217.09	434.18
Supervision & labor costs	2,614.75
Sampling & analysis costs	253.21

The total accepted project costs were $8,834.97 in which the Government's 90 percent participation was $7,951.47.

There were no jointly purchased equipment or supply items, and there were no new buildings or improvements; therefore, there were no salvage problems.

Discussion of Conclusions

The operator showed his administrative and financial competence by prosecuting the project in a workman-like manner. The only difficulty encountered was deep snow that remained late into the summer and delayed the start of the project a few weeks. The field work was conducted in a competent manner. The laboratory work done by the operator was less complete than was desirable. More chemical analyses of the different concentrate fractions should have been made; mineral identifications and amounts should have been determined for at least a few of the concentrate fractions; and the relations of the different concentrate fractions to the whole sample should have been tabulated. Because these things were not done, it is not possible to make an accurate estimate of the columbium and tantalum content of the gravels. The estimate that has been made was possible only because 24 concentrate fractions of samples from 12 churn drill holes were analyzed chemically by the Geological Survey.

The property has been fully explored. The 34,000 cubic yards of estimated reserves are all of the dredgeable gravel in the deposit except for a small but unknown amount of hill wash between Drill Hole No. 24 and the ore reserve block (fig. 4).

It is recommended that a Certification of Discovery or Development be made on the deposit. Although the ore reserves are small, the deposit contains between 6,000 and 11,500 pounds of probably recoverable oxides of two very critically short metals. In the case of a national emergency these metals could be quickly dredged by drag line. More complete sample information is necessary to determine whether the deposit is economically dredgeable by drag line at the present time.

Enclosures
Distribution
DMEA(4)
USBM(5)
USGS(SRO)
E. P. Kaiser
Docket
Armstrong
AEC(Salt Lake City)

REFERENCES CITED

Pressler, S. W., Feb. 25, 1953, U. S. Bureau of Mines unpublished typescript metallurgical report on beneficiation of the Dismal Swamp columbite placer black sand from the Middle Fork of the Boise River, Elmore County, Idaho: 6 pp.

APPENDIX A

APPENDIX CONTENTS

J. R. Simplot Company's figures for "weakly magnetic" material recovered from Churn Drill Holes No. 1 - 25

J. R. Simplot Company's figures for the magnetic separation of concentrates from channel samples

J. R. Simplot Company's figures for the magnetic separation of concentrates from samples from Shafts No. 1 and 2.

J. R. Simplot Company's graphic logs of Shafts No. 1 and 2 comparing the drill hole samples with the shaft samples

9-1-54
R. W.

REFER TO	ACTION	NOTED	DATE
al			
Joell			
Smith			

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

August 23, 1954

DMEA-2891

United States Department of Interior
Defense Minerals Exploration Administration
South 157 Howard Street
Spokane 4, Washington

Gentlemen:

Reference is made to your letter dated August 20, 1954, addressed to Robert I. Troxell, Executive Vice-President, J. R. Simplot Company, Boise, Idaho.

Please be advised that as of June 1, 1954, Mr. Troxell resigned his position with the J. R. Simplot Company to re-enter the legal profession here in Boise, Idaho.

We would greatly appreciate your addressing further correspondence to Mr. J. R. Simplot, President, J. R. Simplot Company, Continental Bank Building, Boise, Idaho.

Very truly yours,

John M. Dahl

JOHN M. DAHL
Treasurer

JMD:eh

RECEIVED
AUG 26 1954
U. S. G. S.
SPOKANE, WASH.

700

Docket
Surname
F L Knouse
Selfridge
Feldman
Whitenburg

MAY 17 1954

Mr. A. S. Weissenborn
Executive Officer
DMEA Field Team, Region II
South 157 Howard Street
Spokane 4, Washington

Re: Docket No. DMEA 2691 (columbium-tantalum-uranium)
Contract No. [illegible]
J. R. Simplot Company
Dismal Swamp Placers
Elmore County, Idaho

Dear Mr. Weissenborn:

This is with reference to the last paragraph of your letter dated January 28, 1954, which stated, "The Field Team's final report is in preparation and will be submitted upon completion."

Kindly advise when we may expect to receive this report.

Sincerely yours,

George C. Selfridge
Chairman, Operating Committee (JHB)

APPROVED:

J. H. Hedges
Member, Bureau of Mines (JHB)

Philip W. Guild
Member, Geological Survey (JHB)

FLKnouse:foc
5-17-54
cc to: Admr. Reading File
Operating Comm.
Docket
Messrs. Robert F. Griffith, USBM, Rm. 3624
D. M. Larrabee, USGS, Rm. B-242A, GSA
F. L. Knouse
Code 700
DMEA Field Team, Region II

R.C.G.

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 - 1 1954

January 29, 1954

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

Re: Docket No. DMEA-2891 (columbium-tantalum-uranium)
J. R. Simplot Company
Dismal Swamp Placers
Elmore County, Idaho
Contract Idm-2545

Gentlemen:

The August (revised) and September 1953 Operator's vouchers and your final report for the subject project have been received. The vouchers are being processed by the Certifying Officer, but payment must be withheld pending a final audit of your accounts.

Inasmuch as you state that the September report covers the final phases of the job, we are assuming that the contract can be considered terminated as of September 30, 1953. If this is not correct, please advise us.

In regard to the sample concentrates mentioned in the last paragraph of your letter of January 23, 1954, please send all fractions, properly labeled, to the U. S. Bureau of Mines, 1201 N. Division Street, Spokane, Washington.

Sincerely yours,

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

cc: USBM (2)
DMEA (2)
Armstrong
Certifying Officer

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 - 1 1954

January 28, 1954

Mr. R. J. Mindman, Certifying Officer
DMEA Field Team, Region II
1201 North Division
Spokane 2, Washington

Re: Docket No. DMEA-2891 (columbium-tantalum)
J. R. Simplot Company
Elmore County, Idaho
Contract No. Idm-E545

Dear Mr. Mindman:

This is to inform you that work on the subject contract has been completed to the satisfaction of the Government. The Operator has submitted his final invoice on work completed and also his final report, which has been accepted as satisfactory by the Executive Officer.

Inasmuch as all contract obligations have been met by the Operator, it is requested that his account be audited and that final payment be made for project work. The Operator's account should be closed out as soon as possible.

Sincerely yours,

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

cc: DMEA (2)
USGM (2)
Auditor
Armstrong
Con. Adm. & Aud. Div., Wash., D. C.

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 - 1 1954

January 28, 1954

OP'S FINAL REPORT

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

Re: Docket No. DMEA-2891 (columbium-tantalum)
J. R. Simplot Company
Elmore County, Idaho
Contract No. Idm-E545

Dear Mr. Selfridge:

Enclosed are the original and two copies of the Operator's final report on the subject contract. One copy of the report has been retained for the files of this office and one copy for the files of the Certifying Officer.

Exploration work succeeded in delimiting a limited yardage of placer material that is so low in assay value that the Operator believes the ground does not warrant further analytical work. The project also disclosed that the depth of the placer deposit was much less than had been anticipated, averaging about seven feet.

The Field Team final report is in preparation and will be submitted upon completion. Our present opinion is that a Certification of Discovery should not be issued the Operator for project work.

By Field Team, Region II

A. E. Weissenborn

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

Thomas E. Howard

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

Enclosure
cc: USBM (2)
Armstrong
Certifying Officer

Docket No. DMEA 2891
Contract No. Idm-E545
J. R. Simplot Company
Dismal Swamp Placers
Elmore County, Idaho

FINAL REPORT

U. S. G. S.
SPOKANE, WASH.

The first week of August was spent completing the road and setting up camp facilities. The drill arrived on the 6th and began work on the 7th, the bulldozer being used to build trails and prepare drill sites. Cat work and drilling continued for the next two weeks, the cat finishing on August 21, and the drill on the 23rd, having completed 329 feet of drilling. The cat was used a total of 165 hours during the month.

The jeep was used almost every day on the job. The odometer reading on the morning of July 9th, when the job began, was 10,773. The reading on July 31 was 13,055, giving a mileage for July of 2,284. The readong on August 31, was 15,960, giving an August mileage of 2,905. The total for the two months of 5,189 miles at 10¢ per mile exceeds the maximum provided for in the contract by $6.90. Because of this excess, no mileage is being reported for September.

Work was begun on the first shaft with one laborer on August 17, 1953, the first one being sunk on Hole D-8. Two days were required to get the shaft down to bedrock at 10.5 feet, no timbering being required to support the ground, although the shaft began caving near the bottom a few days after completion. A second shaft was started on Hole D-4 on the 28th and finished on the 30th.

The top part of both shafts consisted of 1½ to 2 feet of fill material, under which was grass, roots, mud, logs, and old stumps. Logs were found buried as much as eight feet beneath the surface of the swamp. This top material was discarded, the top of the hole being sampled by cutting vertical channel samples from the bottom of the fill material to the top of the sand strata. Beneath the mud and logs, sand extended to bedrock, and this was piled to one side for testing.

The sand from both shafts was screened wet to +1/4 ", -1/4" +16 mesh, and -16 mesh. The +1/4" fraction was examined for topaz and then discarded. A 60 pound sample of the -1/4" +16 mesh fraction was brought to town and jigged. The jig concentrates (.0233 lb.) were then screened to +35 mesh, -35 +48, and -48 mesh. The +35 mesh fraction consisted of rock

fragments, most of which were not broken down to individual mineral particles. The -35 +48 mesh fraction contained some non-magnetic black minerals, but in too small an amount to be separated on the laboratory induction roll. The -48 mesh fraction constituted 58% of the jig concentrates. The weakly magnetic portion of this fraction represented 6% of the jig concentrates or about 0.0023% of the original sample. The results are tabulated below.

Orig. sample 60#
Jig Cons. 0233#

-14" +16 mesh - sample jigged and the jig concentrates screened and passed over the induction roll

	Magnetite	Mod. Magnetic	Non-Magnetic	Weak. Magnetic	Wt. Lbs.	%Orig. Sample	Lbs. Wk. Mg. Per Ton
+35 mesh	Nothing freed up-Tr. Cb (?) Present						
-35 + 48	Some Cb(?) - Fraction too small to separate Separate				.0098	0.016	
-48 Mesh	.0020 lbs.	.0010	.0091	.0014	.0135	0.022	0.046

It is evident from the above work that the +16 mesh sizes approximate the columbite (?) content of the host rock, and are not a concentration that would warrant beneficiation.

The -16 mesh product from both shafts was brought to town to be tabled. From 1.89 cubic yards of sand taken from shaft one, 94 pounds of table concentrates were recovered. Because of the large amount of concentrates, they were passed through a Jones splitter, 11.46 pounds being cut out for further treatment. The magnetite was removed from the split by spreading a thin layer of the concentrates on a rolling sheet and passing a hand magnet slowly over the surface. The non-magnetite fraction was then passed over the induction roll, the first pass being made with no current passing through the field coils. The residual magnetism of the roll thus removed a moderately magnetic fraction which includes most of the ilmenite that may be present. The next separation was made with a field strength of 1.5 amperes, separating the weakly magnetic minerals from the strictly non-magnetic fraction. The weakly magnetic fraction represented 8.8 percent of the split from the shaft-one concentrates and is presumed to contain most of the columbite-

tantalite present. Because of the tendency of the induction roll to size the material, this weakly magnetic split was then screened to +48 mesh, -48 +65 mesh, -65 +100, and -100 mesh sizes and each screened fraction again passed over the induction roll in the same sequence as the original sample. The moderately magnetic and non-magnetic products of this separation showed a concentration in the finer sizes, but no systematic concentration was found in the weakly magnetic fraction. The weights of the fractions of varying magnetic response were totaled and calculated as percentages of the starting split from the table concentrates. The percentage of the weakly magnetic fraction was then applied to the total table concentrates to obtain the total pounds of that fraction in the shaft sample, which gave a value of 3.23 pounds of weaklymagnetic minerals per cubic yard. The figures for shaft one are tabulated on the accompanying sheet and are summarized below.

94 lbs. table cons. from 1.89 cu. yds.
9.156# magnetite - 79.9% of 11.46 lbs.
0.517 moderately magnetic - 4.5% of 11.46 lbs.
0.742 weakly magnetic - 6.5% of 11.46 lbs.
1.044 non-magnetic - 9.5% of 11.46 lbs.

$$\frac{(6.5\%)(94 \text{ lbs.})}{1.89 \text{ cu. yds.}} = 3.23 \text{ lbs. W.M./cu. yd.}$$

The sample from shaft two was handled in exactly the same way, except that all of the table concentrates (6 lbs. +) were run over the induction roll. The results are summarized below.

6.3532 lbs. table cons. from 2.4 cu. yds.
0.9375 lbs. magnetite - 14.7% of cons.
0.9779 lbs. moderately magnetic - 15.4% of cons.
2.1851 lbs. weakly magnetic - 34.4% of cons.
2.2527 lbs. non-magnetic - 35.5% of cons.

$$\frac{2.1851}{2.4} = 0.9104 \text{ lbs. W.M./cu. yd.}$$

The above scheme of treatment was adopted after considerable experimentation with both high voltage

LABORATORY DRILL HOLE INVENTORY

Drill Hole: Shaft One

Concentration Date:

Location: Bismal Swamp

Depth of Hole: 94 lbs. table cons.

Minable Depth:

Pounds of B. S. per cu. yd. of Minable Depth: (11.46 lbs. cut out.) 3.23

Pounds of Monazite per cu. yd. of Minable Depth:

Gold Values:

Geiger (% ThO_2 Equiv.) in Conc.:

Drill Supervisor:

Laboratory Foreman:

Sample Number	Core Rise Inches	Weight of Sample +16	Weight of Sample -16	Weight of Sample Total	Weight B. S. Conc.	MOd.Mag. Wk.Mg. Non-mag. Field Estimates of Minerals Content: Magnetite	Ilmenite	Garnet	Zircon	Monazite	% Vol.	% Core Rise	Pounds per cu. yd. Black Sand	Pounds per cu. yd. Monazite
					11.46	9.1563	.3541	(1.0109)	.9371					
Weak mag. fraction	+ 48 mesh				.2383		.0159	.2221	.0003					
	-48 +65				.1676		.0203	.1455	.0018					
	-65 + 100				.3095		.0481	.2307	.0307					
	-100 mesh				.2955		.0783	.1439	.0733					
			TOTALS		11.4588	9.1563	.5167	.7422	1.0436					
	% of 11.46 lb. sample				100%	79.9%	4.5%	6.5%	9.1%					
					(6.5%) (94 lbs.) = 6.11 lbs. weakly magnetic									

TOTALS:

LABORATORY DRILL HOLE INVENTORY

Drill Hole: Shaft Two

Concentration Date: _____

Location: Dismal Swamp

Depth of Hole: 6.3532 lbs. table cons.

Minable Depth: _____

Pounds of Wk. Mag. sand per cu. yd. of Minable Depth: 0.91 lbs.

Pounds of Monazite per cu. yd. of Minable Depth: _____

Gold Values: _____

Geiger (% ThO_2 equiv.) in Conc.: _____

Drill Supervisor: _____

Laboratory Foreman: _____

Sample Number	Weight of Sample +1/8"	+16	-16	Total	Weight B. S. Conc.	Field Estimates of Minerals Content: Magnetite	Ilmenite	Zircon	Monazite		Pounds per cu. yd.: Black Sand	Monazite
					6.3532	.9375	.5692	(2.9090)	1.9375			
Weak mag. Fraction												
	+48	mesh			.4788		.0086	.4616	.0086			
	-48 + 65				.5209		.0378	.4610	.0221			
	-65 + 100				.0694		.1963	.6818	.0913			
	-100	mesh			.9399		.1660	.5807	.1932			
		TOTALS			6.3532	.9375	.9779	2.1851	2.2527			
% of 6.3532# sample					100%	14.7%	15.4%	34.4%	35.5%			
					$\frac{2.1851\#}{2.4 \text{ yds.}}$ = 0.9104# /yd.							

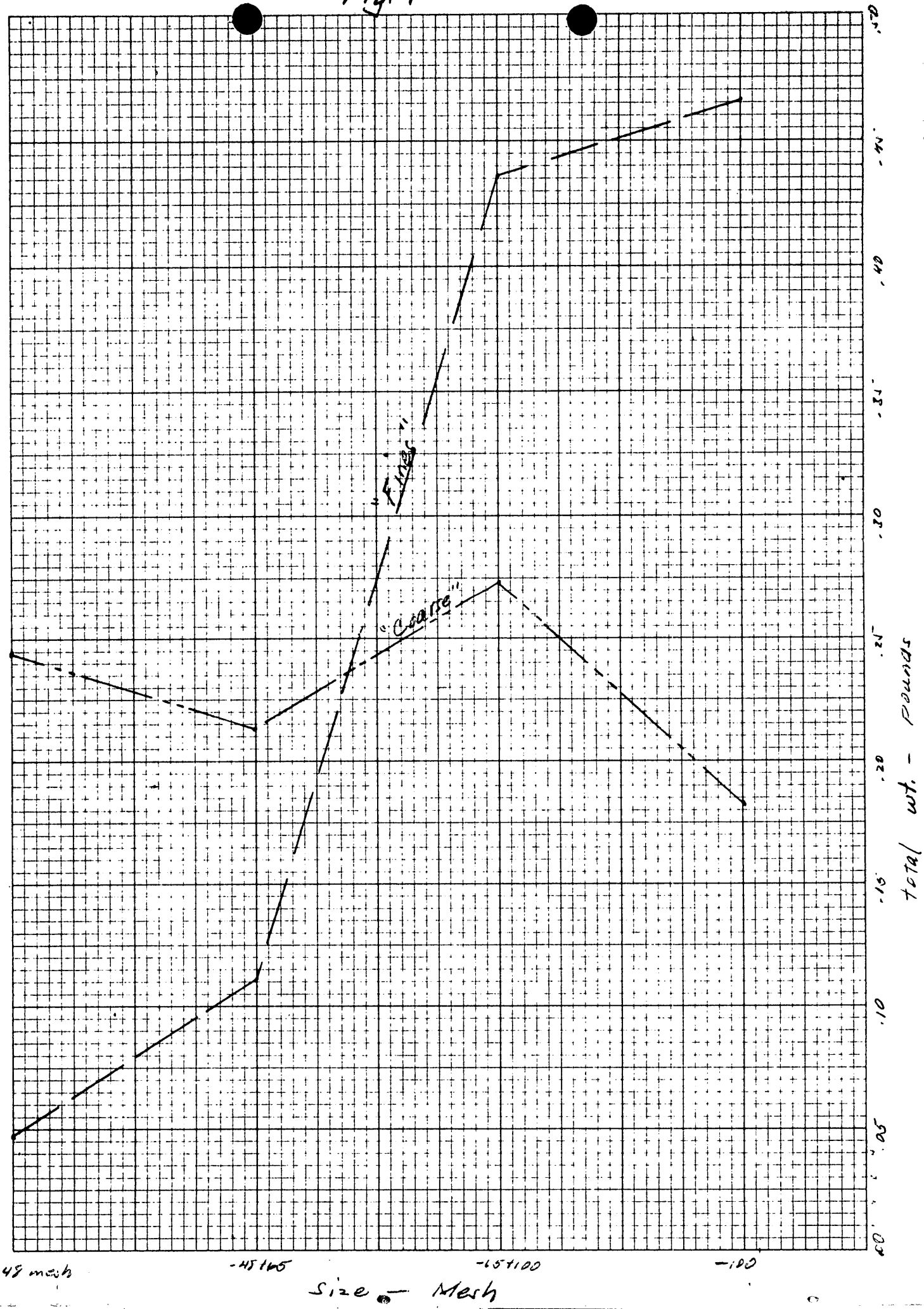
Totals:

and magnetic separation. Samples from drill holes D-1 through D-8 were separated on the high voltage machine, giving a two-way split of conductors and non-conductors. The conductors include both strong and weakly magnetic minerals which were separated by passing the conductor fraction over the induced roll. The column labeled "Blacks" on the first eight holes consists of the weakly magnetic fraction. Since each handling entailed an inevitable loss of the fine part of the sample, it was decided to dispense with the high voltage separation and the drill samples from D-9 onward, as well as the shaft samples and various trench samples were run over the induction roll only.

The tendency of the induction roll to size the material is shown by the following experiment. The magnetite was removed from the table concentrates from shaft two with a hand magnet and a separation into three products - moderate - weak - and non-magnetic was made. The weakly magnetic fraction was then passed over the roll with a field strength of about 0.5 ampere. Two products were obtained which visual inspection suggested were merely sized fractions. These were labeled "fines," and "coarse," and each was then screened to +48 mesh, -48 +65, -65 +100, and -100 mesh. A complete separation was then made on each fraction, with the results shown on the accompanying sheet labeled "partial separation-sized fraction," and graphically on Figure 1. The concentration of -65 mesh sizes in the "fines" is obvious, and consequently the weakly magnetic fraction of the shaft samples was sized prior to making the final separation.

The calculations are reasonably self-explanatory. The first step entailed the calculation of the volume of each sample. Since the sludge was collected as a single sample on most holes, its volume was simply pro-rated back over the footage covered by the individual sand samples, and the two combined to obtain a total volume for each sample. All measurements were made in a special volume bucket 12" x 13 3/8 x 12" deep and is recorded as inches in the "measured volume" column of the log sheets and on the sheets headed Drill Hole Volume Data. The measured volume in inches is converted to cubic yards by dividing total inches by (12)(27). This was also calculated

Fig. 1



EUGENE DIETZGEN CO.
MADE IN U.S.A.
NO. 341-10 DIETZGEN GRAPH PAPER
10 X 10 PER INCH

LABORATORY DRILL HOLE INVENTORY

~~Drill Hole~~ Shaft Two — Concentration Date

Location: Dismal Swamp

Depth of Hole: Partial Separation — Minable Depth

~~Pounds Monazite per cu. yd. of Minable Depth~~ "Sized" fractions — Pounds of Monazite per cu. yd. of Minable Depth

Gold Values — Geiger (% ThO_2 Equiv.) in Conc.

Drill Supervisor — Laboratory Foreman

Sample Number	Core Rise Inches	Weight of Sample +16	Weight of Sample -16	Weight of Sample Total	Weight B. S. Conc.	Field Estimates of Minerals Content: ~~Magnetite~~	Str.M. Ilmenite	Wk. Garnet	Non ~~Zircon~~	Totals Monazite	% Vol.	% Core Rise	Pounds per cu. yd. Black Sand	Pounds per cu. yd. Monazite
"Fines" Wk-mag.	+48 mesh						.0008	.0434	.0024	.0466				
"	-48 +65						.0073	.0993	.0048	.1114				
"	-65 +100						.0896	.2921	.0539	.4356				
"	-100						.0386	.3023	.1242	.4651				
					Sub. Totals		.1363	.7371	.1853	1.0587				
"Coarse" Wk-Mag.	+48						.0041	.2387	.0021	.2449				
"	-48 +65						.0186	.1925	.0033	.2144				
"	-65 + 100						.0437	.2285	.0024	.2746				
"	-100						.0647	.1163	.0016	.1826				
					Sub-Totals		.1311	.7760	.0094	.9165				
						TOTALS	.2674	1.5131	.1947	1.9752				

TOTALS:

as a percent of the theoretical volume by dividing the cubic yards for a one-foot drive by 0.0111, the calculated volume for one foot of drive with a 7 1/2" drive shoe. Where the sample was sized before tabling, the percentages of + 1/8", -1/8" +14 mesh, and -14 mesh are given in the last column of the volume data sheet. The weakly magnetic sand recovered from each sample is calculated in exactly the same way, all figures being shown on the "Sand Recovery" sheet. Where assays were made, as on Sample 4, Hole D-5, the value is recorded following the column showing pounds per yard, and the pounds of combined columbium and tantalum oxide per cubic yard is shown in the last column. An average is shown for each hole at the top of the sheet, and usually covers the footage from where sampling started down to bedrock. In almost all cases, it was found necessary to discard the first few feet of the hole. The top 1½ feet to 3 feet consisted of fill material, and the next 2 feet to 3 feet was predominantly grass and tree roots from which it proved impossible to salvage enough material to make a sample. On the remainder of the hole, table concentrates from individual samples proved to be so small it was usually necessary to combine two or more before the magnetic separation could be made without undue loss.

Graphic logs of both shafts are given in figures 2 and 3 with all sample results shown alongside. A comparison of shaft-and drill-samples indicates the drill samples were 26.6% low in Hole D-8 and 30.8% in hole D-4 for an average of 28.7 percent.

The drillhole sample data is summarized on the map, Plate I. The last column is the product of the thickness of sand in feet and the pounds of weak magnetics per cubic yard. These figures were used to construct isobars on the map, Plate II to indicate where maximum values lay. From this information, the most favorable dredging ground could be selected and is outlined in red on Plate II. The average of 12 holes included within the red line is 7.2' in depth and 1.35 pounds per cubic yard. In view of the fact that shafting indicated the drill samples were low an average of 28.7%, the pounds per yard could be recalculated to 1.84 pounds per yard as a maximum figure. Because of the small quantity of weak magnetics found in the course of drilling, only a few

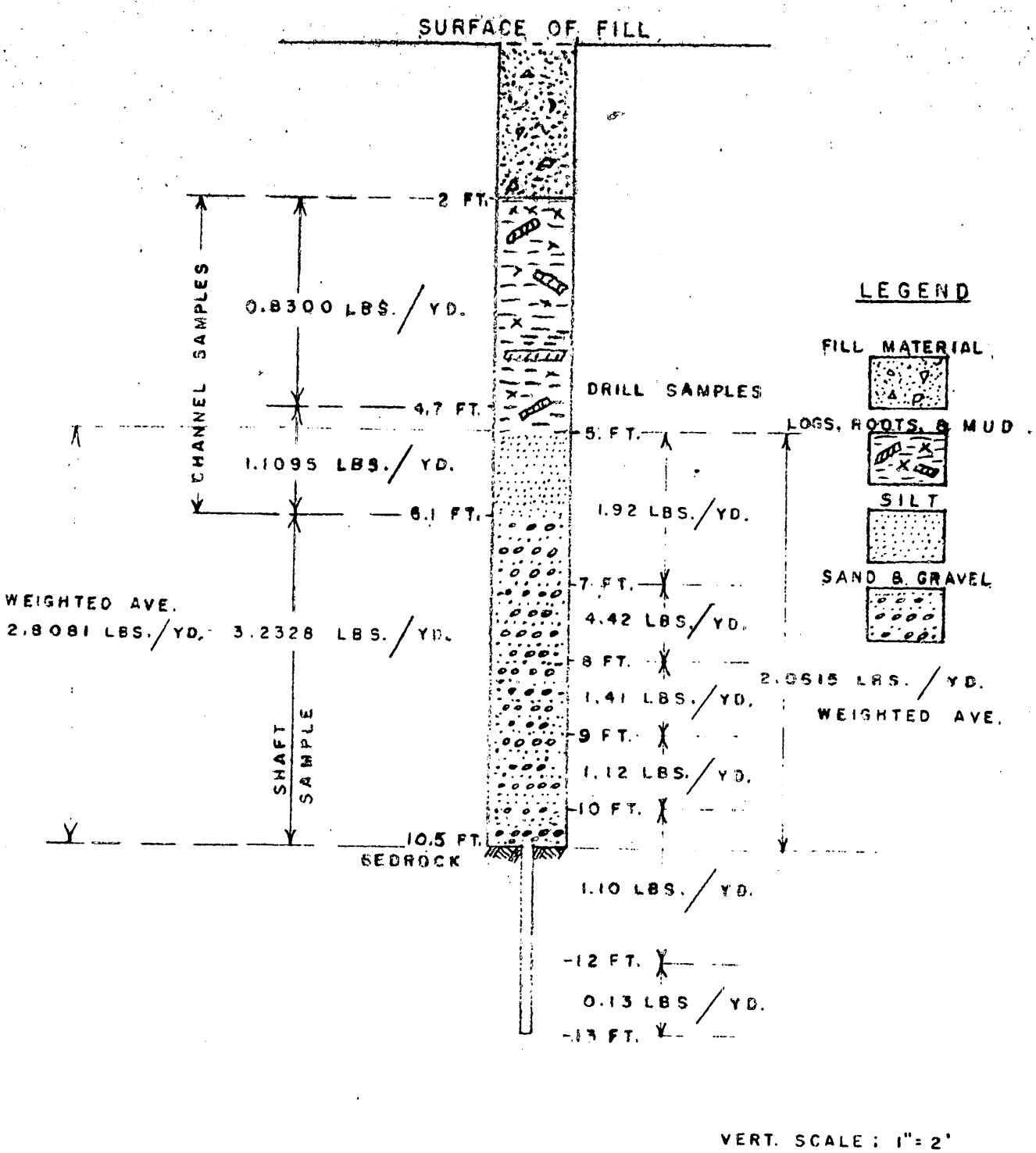


Fig. 2. Comparison of drill- and shaft-samples. Shaft One — Hole D-8.

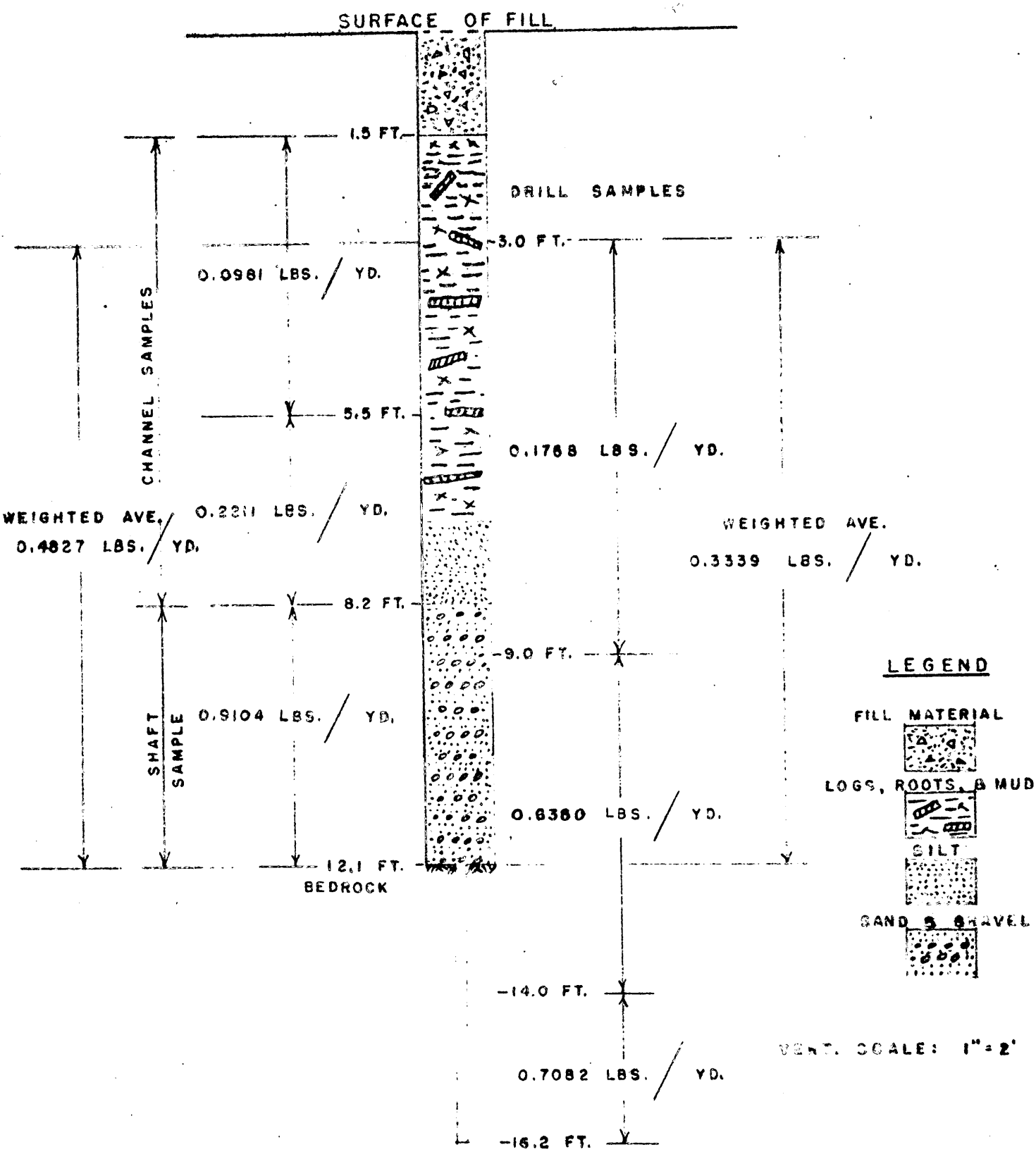


Fig. 3. Comparison of drill— and shaft—samples. Shaft Two - Hole D-4.

samples were sent out for chemical analysis. Chemical assays ranged from 0.4% to 12.3%, with a weighted average of 4.045% combined columbium-tantalum oxides.

The cubic yardage within the indicated area amounts to 33,500 cubic yards. While it is realized that too few samples have been analyzed to arrive at a reliable average, it is not felt that the small yardage available and the low assays received to date warrant further analytical work. Using theaverage assay above and the maximum pounds of weak magnetics per yard, the best ground runs only .0744 pounds combined oxides per yard, or a total of 2,493 pounds of combined oxides.

In addition to the channel samples taken in the shafts, two of the trenches in the area labeled "High Bar" adjacent to holes D-5 and D-7 were sampled by cutting vertical channel samples. No. 5 channel represents a 2-foot cut immediately above bedrock, and No. 6, a 4-foot cut immediately above No. 5, No. 7 is likewise a 2-foot cut immediately above bedrock in the next trench south, and No. 8 is a 5-foot cut immediately above No. 7. The sample locations are shown on Plate I, and the calculations for them on the accompanying sheet headed "Channel Samples," along with the calculations for the channel samples taken in the shafts. The latter (Nos. 1 to 4 inclusive) were calculated on a volume basis, while Nos. 5, 6, 7, and 8 were calculated on a weight basis, using 2700 pounds as the weight of a cubic yard of gravel.

L. A. Robinson
Supervising Engineer

LABORATORY DRILL HOLE INVENTORY

~~Drill Hole~~ Channel Samples

Concentration Date

Location

Depth of Hole

Minable Depth

Pounds of B. S.
per cu. yd. of Minable Depth

Pounds of Monazite
per cu. yd. of Minable Depth

Gold Values

Geiger (% ThO_2 Equiv.) in Conc.

Drill Supervisor

Laboratory Foreman

	Sample Number	~~Core Rise Inches~~	Weight of Sample lbs +16	-16	Total	Weight B. S. Conc.	Med. M. Wk. Non Field Estimates of Minerals Content: Magnetite	Ilmenite	~~Garnet~~	~~Zircon~~	Monazite	% Cu.	% Yds.	Pounds per cu. yd. Wk. Mags.	Monazite
Shaft Two	1	0.44 cu.ft.			(18)		Tr.	.0012	.0016	.0042			.0163	.0981	
	2	0.33	"		(18)		.0002	.0014	.0027	.0040			.0122	.2211	
Shaft One	3	0.54	"		(44)		.0002	.0118	.0166	.0238			.0200	.8300	
	4	0.37	"		(35)		.0002	.0066	.0152	.0288			.0137	1.1095	
	5				24		.0001	.0033	.0153	.0189				2.1263	
	6				27		.0005	.0016	.0032	.0007				0.0700	
	7				48		.0030	.0179	.0973	.0660				3.7125	
	8				22		.0052	.0042	.0062	.0172				2.1109	

TOTALS:

November 4, 1953

Memorandum

To: Hazel Berry, Operating Committee

From: Grace L. Ault, Rare & Misc. Metals Division

Subject: Amendments to contract

Mr. Murphy reviewed Amendment No. 2, dated September 15, 1953, and Amendment No. 3, dated October 20, 1953, to Contract No. Idm-E545, Docket No. DMEA-2891, J. R. Simplot Company. He approves Amendment No. 2, but sees no need for Amendment No. 3, and suggests it be reviewed by the Legal Division. He suggests referring to copy of letter dated October 20, 1953, from Mr. M. E. Volin, Acting Executive Officer, Region II, to the J. R. Simplot Company. If a copy of this letter is not on file in the Docket, our Division contract file contains one.

Grace L. Ault

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

October 27, 1953

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

Re: Docket DMEA-2891 (columbium-tantalum-uranium)
J. R. Simplot Company
Dismal Swamp Placers
Elmore County, Idaho
Contract No. Idm-E545

Dear Mr. Selfridge:

Enclosed are the original and two signed copies each of Amendments Nos. 2 and 3 to the subject contract, with attached justification.

Distribution of these amendments has been made in the usual manner.

Sincerely yours,

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

Enclosures
cc: USBM (2)
Armstrong

RECEIVED
NOV 10 1953
GENERAL COUNSEL
DEFENSE MINERALS
ADMINISTRATION

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

1201 N. Division St.
Spokane 2, Washington
October 20, 1953

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

Subject: Docket No. DMEA 2891 (columbium-tantalum-uranium)
Contract No. Idm-E545
Dismal Swamp Placers
Elmore County, Idaho

Gentlemen:

Enclosed are seven copies each of Amendments Nos. 2 and 3 to your contract. Amendment No. 2, which covers rental charges on a chain saw, was prepared some weeks ago and mailed to you on September 17. Inasmuch as your letter of October 8 requests that we prepare an amendment for this rental charge we presume that you did not receive the copies of Amendment No. 2 sent to you on September 17, and we are therefore enclosing another set of the forms for your signature.

Amendment No. 3 covers the use of your own bulldozer in lieu of one belonging to an independent contractor.

If these amendments meet with your approval please sign all copies, retain one copy of each marked "Operator's Copy" and return the others to this office.

Sincerely yours,

M. E. Velin
Acting Executive Officer
DMEA Field Team, Region II

Enclosures
7 cys Amend. No. 2
7 cys Amend. No. 3

cc: DMEA, Wash. (2)
USGS (2)

Form MFS-04 (Rev.)
(April 1952)

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of September, 1953 Docket No. DMEA 2891 Contract No. IDS-5545
Operator's Name J. R. Simplot Co. Minerals Cb-Ta-U
Address Continental Bank Bldg., Boise, Idaho
Contract Amount, $ $18,190.00 Government Participation: 90% Amount, $ $16,371.00

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		1730.25	1730.25		1730.25	1730.25
Bulldozing		2693.75	2693.75		2693.75	2693.75
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor	171.38	1362.30	1533.68	171.38	1451.08	1622.46
Supervision	58.13	540.42	598.55	231.23	761.66	992.89
Technical Services	173.10	324.18	497.28			
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives		26.54	26.54		26.54	26.54
Pipe						
Track						
Other		388.13	388.13		388.13	388.13
(4) Operating Equipment:						
Rental Saw	175.00		175.00	175.00	—	175.00
~~Purchase~~ Jeep		512.00	512.00		512.00	512.00
~~Depreciation~~ Comp.		85.30	85.30		85.30	85.30
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis	253.21	181.44	434.65	253.21	181.44	434.65
Payroll Taxes	20.10	98.66	118.76	17.84	98.57	116.41
Liability Insurance	10.04	49.33	59.37	8.91	49.28	58.19
(8) Contingencies (specify):						
TOTALS	$860.96	$7992.30	$8853.26	857.57	7977.40	8834.97

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

Date 1-22-54 *Payee J R Simplot Co.

Per John M Hall Title Treasurer

*When 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:
771.81
-.50 overpayment on voucher 957
771.31
.01
771.32
$ 771 32

Signature MJP
(Authorized Certifying Officer)

Date 6/16/54 Vou. No. 1183
(See other side)

adjusted to Report of Review
by RM Hull dated 4/25/54

(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. E545 in accordance with the terms of the contract.

Signature /S/ Verdo Z Johnson Title Mining Engr Date 1/25/54

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature /S/ Stephen W Zoldok Title Mining Eng Date 1/26/54

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Month of Sept. 1953 Docket No. DMEA 2891 Contract No. IDM-3545

Operator's Name J. R. Simplot Co. Minerals Cb-Ta-U

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	Unit Costs
Drifting								
Crosscutting								
Raising								
Shafts								
Winzes								
Drilling: Core								
Churn				2149.14				
Auger								
Stripping								
Trenching				563.53				
Test Pits				434.15				
Roads and Trails		175.00		4240.91				
Sampling		685.96		1465.50				
TOTAL DISTRIBUTED COSTS		860.96		8853.23				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		860.96		8853.23				$18,190.00

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

Date 1-11-54 Operator J. R. Simplot Co.

Per [signature] Title Treasurer

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

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

1201 N. Division St.
Spokane 2, Washington
September 22, 1953

MEMORANDUM

To: DMEA Field Team, Region II

From: V. Z. Johnson, Mining Engineer, Bureau of Mines

Subject: Inspection, J. R. Simplot Company, Dismal Swamp project, Elmore County, Idaho, Contract Idm-E545, Docket No. DMEA 2891 (columbium-tantalum)

The inspection of the project was made on September 9 and the mechanical testing equipment and processes were inspected on September 10, 1953, in company with Mr. Ed C. Pothier, the Operator's mining engineer.

Work at the project has been finished except the moving of camp and samples to Boise. Work completed includes about 1.6 miles of access road, excavation of 13 trenches 6 to 12 feet deep, preparing 25 churn drill sites, and churn drilling 25 rather shallow holes, 8 - 12 feet deep. Two pits of 5x5-foot cross section, untimbered, were excavated around churn drill holes D-4 and D-8 for about 11 feet each. Pits and churn drill holes had some sloughing and were water filled so that depths could not be checked. Operator's computation of drilling totals had not been completed but is about 300 feet more or less. The cost of the drilling is well below the rate set as an allowable maximum ($8), i.e., the subcontractor was given only enough work to reach his required minimum of $1500 and the exact rate per foot can be obtained only when the subcontractor submits his bill which should come to about $5.20/ft. drilled.

The churn drill holes are of about 7-inch final diameter and are located as shown on the attached sketch. There were no large boulders to retard drilling and casing but the weathered bedrock often made further driving of casing difficult without providing a satisfactory seal from overlying gravel, and therefore some dilution occurred with bedrock sampling.

The lodge pole timber growth made it necessary to rent a chain saw for falling and removing trees along the access road, trenches, and drill sites. It is recommended that an amendment be processed to allow 25 days of chain saw rental at $7/day.

The gravel removed from churn drill holes, trenches and pits is screened to minus 14 mesh in the field. (Plus 14 mesh is examined occasionally by panning, and 65 lbs. of these rejects panned only 9 grains of black sand.)

The minus 14 mesh is taken to the laboratory at Boise for tabling to obtain a concentrate which in many instances is too small to be split to provide a sample for the Government. The contract specifies in Exhibit "A", paragraph 4, under "Description of the Work", that the samples shall be concentrated at the property by means of sluice boxes and panning and then split into two equal samples. One such sample from each hole and trench shall be delivered to the Government. Mr. Pothier stated that most of the drill hole samples would be too small for the above specified split if a sufficient amount for a chemical analysis were to be retained by the Operator. It was requested of Mr. Pothier that he instruct the laboratory personnel to make an effort to save a sample for the Government wherever possible. It is believed that the J. R. Simplot Co.'s staff is doing a thorough job on the mechanical and chemical determinations and that only a few checks by the Government will be adequate.

Concentrates from the half-size Wilfley table are passed through a high tension separator to separate out quartz and other non-conductors and then a strong hand magnet removes magnetite from the black sand sample. The following chemical analyses are on samples of mechanical concentrates by the Operator.

Black sands	Date of sample	% Crude Cb_2O_5 Ta_2O_5
	8/31	
D - 10 (5' - 9')		0.9
D - 7 (11'- 15')		4.2
D - 5 (10'- 12')		12.3
D - 8 (7'- 8')		1.9
D - 8 (10'- 12')		0.4

The 12.3 percent analysis, hole D-5, 10 to 12 feet, was on 0.029 lbs. of mechanical concentrate where about 90.91 linear feet of hole is required to yield 1 cu. yd. of material. It is indicated then that the gravel has

$$\frac{.029 \times 90.91 \times 12.3}{2 \times 100}$$ or 0.16 lbs. of columbium

and tantalum oxides per yard.

Non-conductors are passed over an induced roll magnetic separator of varied strength to save specimens of quartz and zircon in one concentrate, sphene and garnet in another, and magnetite in a third, all of which are paper sacked and filed for reference.

The workmanship appears satisfactory and efficiently conducted. Total units completed and unit costs are not available until Operator's reports are completed.

V. Z. Johnson

V. Z. Johnson

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

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

[illegible]

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
SEP 21 1953

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

Gentlemen:

[illegible]

[illegible]

[illegible]

Very truly yours,

[illegible]

[illegible]

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Budget Bureau No. 42-R1036.4
Approval expires 6-30-53.

RECEIVED
FEB 5 1954

Revised Report OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of August, 1953 Docket No. DMEA 2891 Contract No. Idm-E545
Operator's Name J. R. Simplot Co. Minerals Cb, Ta, U
Address Continental Bank Bldg., Boise, Idaho
Contract Amount, $ 18,190 Government Participation: 90% Amount, $ 16,371.00

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling	1730.25		1730.25			
Bulldozing	2062.50	631.25	2693.75		631.25	
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor	1034.85	327.45	1362.30	1065.88	385.20	1451.08
Supervision	310.90	229.52	540.42	462.30	298.76	761.06
Technical Services	197.19	126.99	324.18	-0-	-0-	-0-
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives		26.54	26.54		26.54	
Pipe						
Track						
Other supplies	189.74	198.39	388.13		198.39	
(4) Operating Equipment:						
Rental Jeep /10¢/mi.	512.00		512.00			
~~Purchase~~ Compressor	85.30		85.30			
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis	181.44		181.44			
Payroll Taxes	68.86	29.80	98.66	68.77	29.80	98.59
Liability Insurance	34.43	14.90	49.33	34.38	14.90	49.28
(8) Contingencies (specify):						
TOTALS	6407.46	1584.84	7992.30	6392.56	1584.84	7977.40

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

Date 1-22-54 *Payee J. R. Simplot Co.

Per John M. Dahl Title Treasurer

*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:

$ 5753.30

Signature [illegible]
(Authorized Certifying Officer)

Date 1/28/54 Vou. No. 1070
(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 545 in accordance with the terms of the contract.

Signature 1st Verdo Z Johnson Title Mining Engr Date 1/25/54

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature 1st Stephen W Zoldok Title Mining Engr Date 1/26/54

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

GPO 83-38476

Form MF-104A
(April 1952)

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

Revised Report

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

Month of August 195 3 Docket No. DMEA 2891 Contract No. Idm-E545

Operator's Name J. R. Simplot Co. Minerals Cb-Ta-U

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	Unit Costs
Drifting								
Crosscutting								
Raising								
Shafts								
Winzes								
Drilling: Core								
Churn	Ft.	2149.14	329.4	2149.14	329.4	6.5244	500	$8.00
Auger								
Stripping								
Trenching		563.53		563.53				
Test Pits	shaft	434.18	2	434.18	2	217.09	2	
Roads and Trails		2481.07		4065.91				
Sampling		779.54		779.54				
TOTAL DISTRIBUTED COSTS		6407.46		7992.30				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		6407.46		7992.30				$18,190.00

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

Date 1-22-54 Operator J. R. Simplot Co.

Per John W. Dahl Title Treasurer

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

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

August 18, 1953

Memorandum

To: Hazel Berry, Operating Committee

From: Grace L. Ault, Rare & Misc. Metals Division

Subject: Docket No. DMEA-2891 (Columbium-tantalum-uranium)
Contract No. Idm-E545
J. R. Simplot Company
Dismal Swamp Placers
Elmore County, Idaho

Mr. Murphy has reviewed Amendment No. 1, dated July 13, 1953, to the above contract, also the Approval of Subcontract, dated August 7, 1953, between the Operator and A. E. Hosack & Son. They are approved.

Grace L. Ault

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
AUG 14 1953

August 11, 1953

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

Re: Docket No. DMEA-2891
(columbium-tantalum-uranium)
J. R. Simplot Company
Dismal Swamp Placers
Elmore County, Idaho
Contract No. Idm-E545

Dear Mr. Selfridge:

Attached are the original and two copies of an Approval of Subcontract between J. R. Simplot Company and A. E. Hosack & Son for work to be performed on the subject contract.

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

Sincerely yours,

Thor H. Kiilsgaard
Acting Executive Officer
DMEA Field Team, Region II

Attachment
cc: Finance Officer w/encl.
USBM (2)
Armstrong

RECEIVED
SEP 9 1953
GENERAL COUNSEL
DEFENSE MINERALS
ADMINISTRATION

DOCKET COPY

2236-2

APPROVAL OF SUBCONTRACT
(Under Form MF-200, revised February 1952)

To: J. R. Simplot Company
(Name of Operator)

That certain contract, or proposed contract, a copy of which you have submitted with your request for approval, dated July 9, 1953, between you and A. E. Hosack & Son
(Name of Independent Contractor)

for the performance of the following work: drilling 6" test holes

which is all or a specific element of the work described in an Exploration Project Contract dated June 5, 1953, Idm-E545, Docket No. DMEA-2891, is hereby approved by the United States of America, subject to all of the terms and conditions relating to such independent contracts set forth in said Exploration Project Contract.

Dated: August 7, 1953.

THE UNITED STATES OF AMERICA

By Thor H. Kiilsgaard

Thor H. Kiilsgaard
Acting Executive Officer
DMEA Field Team, Region II

General Contracting

Tel. 6-0821 shop
6-5338 home

A. E. HOSACK & SON
707-6th Avenue South
Nampa, Idaho

July 9, 1953

J. R. Simplot & Co.
Continental Bank Bldg.
Boise, Idaho

Gentlemen:

We will furnish the following equipment and crew for drilling 6" test holes at Dismal Swamp approximately 9 miles above Rocky Bar, Idaho, the cost of which will be paid for as set forth in this agreement:

Item 1. Equipment to be furnished.
A-71 Star drilling machine mounted on a 6 X 6 Army truck with all necessary drilling tools, double strength 6" drive pipe, dump trough, two measuring containers, gas pump for water.
B - One 1½ ton truck with flat rack.

Item 2. Will furnish two men - a driller and a helper.

Item 3. Moving equipment from Nampa, Idaho to drilling site at Dismal Swamp - $150.00.

Item 4. An hourly rate of $12.50 per hr. will be charged for all time spent pertaining to the drilling of test holes, moving drilling equipment from one hole to another or from one drilling site to another, building road and clearing drilling site. There will be no charge for time lost due to mechanical fault of our equipment.

Item 5. Board to be furnished by purchaser at $ _____ per day per man. (No board to be furnished).

Item 6. Purchaser to guarantee payments totaling a minimum of $1,500.00

Item 7. Purchaser shall pay for work completed each month. The balance due shall be paid within 10 days after job is finished.

Yours very truly,

Accepted and Approved this

_____ day of July, 1953

A. E. Hosack & Son

By Clifford E. Hosack /s/
Drilling Contractor

_____
Purchaser

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
AUG 14 1953

August 10, 1953

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

Re: Docket No. DMEA-2891
(Columbium-Tantalum-Uranium)
Dismal Swamp Placers
Elmore County, Idaho
Contract No. Idm-E545

Dear Mr. Selfridge:

Attached are the original and two signed copies of Amendment No. 1 to the subject contract, with attached justification.

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

Sincerely yours,

Thor H. Kiilsgaard
Acting Executive Officer
DMEA Field Team, Region II

Attachment

cc: Finance Officer w/encl.
USBM (2)
Armstrong

8-17

918

C
O
P
Y

August 10, 1953

Mr. A. E. Weissenborn
Executive Officer
Region II
South 157 Howard Street
Spokane 8, Washington

Dear Mr. Weissenborn:

Attached is one copy each of contracts Idm-E329, 536, 541, 543, and 545. 2891

These "extra copies" are for use of your office in making reports on these projects.

Sincerly yours,

/s/ C. O. Mittendorf

Administrator

Attachments-5

REAdams:meb
8/7/53

cc: Adm. Reading File
Mails & Files Br.

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

[illegible]
[illegible] Howard Street
Spokane 4, Washington

[illegible] OF THE INTERIOR
Bureau of Mines Information
RECEIVED
AUG 31 1953

August [illegible], 1953

Mr. R. C. Pothier
Mining Engineer
J. R. Simplot Company
Continental Bank Building
Boise, Idaho

Re: Docket No. [illegible]
(columbium-tantalum-uranium)
Pistol Swamp Placers
Elmore County, Idaho
Contract No. [illegible]

Dear Mr. Pothier:

This will acknowledge receipt of the signed copies of Amendment No. 1 to the subject contract as well as the receipt of a copy of a subcontract with [illegible] Roseck and Son for the Pistol Swamp drilling.

This letter and the attached approval forms will constitute the Field Team's approval of the subcontract. As was mentioned to you over the telephone in conversation with the Executive Officer, we wish to call your attention to the fact that the rate of [illegible].00 per foot can in no case be exceeded.

The 104 report forms which you have requested have been sent to you under separate cover.

By the Field Team, Region [illegible]

[illegible] Weissenborn, Executive Officer
(U. S. Geological Survey)

M. [illegible] Wolin, Member
(U. S. Bureau of Mines)

Enclosure

cc: USBM (2)
Finance Officer
DMEA (3)
Armstrong

(Rev.)
(1952)

11/23/53 - 28.
Budget Bureau No. 42-R1036.3.
Approval expires 6-30-53.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Wash
70

OPERATOR'S MONTHLY REPORT AND VOUCHER

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
NOV 20 1953

Month of July 195 3 Docket No. DMEA 2891 Contract No. Idm-E545
Operator's Name J. R. Simplot Co. Minerals Cb-Ta-U
Address Cont. Bank Bldg., Boise, Idaho
Contract Amount, $ 18,190.00 Government Participation: 90% Amount, $ 16,371.00

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling						
Bulldozing	631.25		631.25			
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor	327.45		327.45			
Supervision	229.52		229.52			
Technical Services	126.99		126.99			
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives	26.54		26.54			
Pipe						
Track						
Other supplies	198.39		198.39			
(4) Operating Equipment:						
Rental Jeep 10¢ mi.	242.20		242.20	—		
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes	29.80		29.80			
Liability Insurance	14.90		14.90			
(8) Contingencies (specify):						
TOTALS	$1827.04		$1827.04	1584.84	—	1584.84

I certify that the above bill is correct and just and that payment therefor has not been received.
Date 10/8/53 *Payee J R Simplot Company
Per John M Paul Title Treasurer

*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:

$ 1426.85

Signature
(Authorized Certifying Officer)

Date 11/2/53 Vou. No. 957
(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 545 in accordance with the terms of the contract.

Signature /S/ Verdo Z Johnson Title Mining Engr Date 10/12/53

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature /S/ Thomas E Howard Title Mining Engr Date 10/13/53

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

RECEIVED
AUG 20 1953

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of July 1953 Docket No. DMEA 2891 Contract No. Idm-E545
Operator's Name J. R. Simplot Co. Minerals Cb-Ta-U
Address Cont. 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	Unit Costs
Drifting								
Crosscutting								
Raising								
Shafts								
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails	mi.	1827.04	0.7	1827.04	0.7	261.06	1.5	
TOTAL DISTRIBUTED COSTS		1827.04		1827.04				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		1827.04		1827.04				$18,190.00

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 10/8/53 Operator J. R. Simplot Company

Per John W. Dahl Title Treasurer

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

Work was started on the Dismal Swamp Project (DMEA Docket No. 2891, Contract No. Idm-E545) on July 9, 1953, with one laborer. Preliminary survey of the road was performed on the 10th and 11th and supplies were assembled and trucked to the site on the 12th and 13th. The road survey was resumed on the 17th and completed on the 18th.

On July 22, a second man was hired and swamping on the road right-of-way was begun. The bulldozer was delivered to the job on the 25th and started construction of the road on the 27th. A cook was hired on the 28th; construction of the road was pushed for the rest of the month, 0.7 miles being completed by the night of the 31st.

Total costs for the month were $1,827.04 as detailed on the accompanying Form MF-104.

James A. Robinson
Supervising Engineer

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

xxxxxxxxxxxxxxxxxxx
So. 157 Howard Street
Spokane 4, Washington

July 30, 1953

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

Re: Docket No. DMEA-2891 (columbium-tantalum-uranium)
Dismal Swamp Placers
Elmore County, Idaho
Contract No. Idm-E545

Gentlemen:

Enclosed are the original and six copies of Amendment No. 1 to the subject contract. If the terms and conditions of this amendment meet with your approval, please have an authorized official of your company sign all copies, retain that copy marked "Operator's Copy" and return the remaining copies to this office.

Sincerely yours,

Thor H. Kiilsgaard
Acting Member
DMEA Field Team, Region II

Enclosure

cc: USBM (2)
DMEA (2)
Armstrong

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

June 16, 1953

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

Re: Docket No. DMEA-2891
(Columbium-Tantalum)
J. R. Simplot Company
Dismal Swamp Placers
Elmore County, Idaho

Dear Mr. Selfridge:

Enclosed are the original and two signed copies of the subject contract. Distribution of this contract is being made in the usual manner.

Sincerely yours,

A. E. Weissenborn

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

Enclosure

cc: Finance Officer w/encl.
USBM (2)
Armstrong

6-22

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS ADMINISTRATION
WASHINGTON 25, D. C.
So. 157 Howard Street
Spokane 4, Washington

June 9, 1955

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

Re: Docket No. DMEA-2891
(Columbium-Tantalum)
J. R. Simplot Company
Dismal Swamp Placers
Elmore County, Idaho

Gentlemen:

Enclosed are the original and five copies of the captioned contract signed by the Government, with attachments as returned to us from Washington.

Your attention is called to several changes in the contract made by our Washington office. These include the following:

1) The total cost of the project has been modified from $19,336.00 to $18,190.00. One supervising engineer is being allowed for the project instead of two as requested in the application.

2) The presence of uranium and thorium in the black sands makes it advisable to separate and analyze four composite samples of the black sand for these metals. An allowance of $800.00 is provided for this preparation and analytical work in the second paragraph of Item 7 under Estimated Costs of the project.

3) Proposed drill holes X-13, 14, 16, 20, 23, and 27 have not been allowed. Hole XD-30 has been located as an alternate for holes X-13 and X-14. However, the drill lines indicated on Plate II may be extended with additional holes as information is accumulated during the drilling project. The cost of the drilling must not exceed $8.00 per foot nor the total of $4,000.00 allowed in the contract.

Article 6(a) of the contract has been superseded by Annex I which states, in part, that royalty payments are to be made for any minerals mined or produced during the exploration period regardless of any certification of

discovery or development unless the Government waives its right to the royalty. This is a new policy which is written into all new contracts.

We are not posted on the present accessibility or weather conditions in the area of this property, so we are requesting that you fill in on all copies the starting date provided for in Article 3 of the contract.

If the terms and conditions of this contract meet with your approval, please sign all copies, retain the copy marked "Operator's Copy" and return the original and four remaining copies to this office.

We wish you every success in your exploration project.

Sincerely yours

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

cc: USBM (2)
DMEA (2)
Armstrong

HK:sx

6/9/53 - db

FILE COPY
SURNAME:
Docket.
Murphy
Ellis
Chandler
Selfridge
Hoffman

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

Mr. [illegible] Eisenbom
Executive Officer
[illegible] Field Team,
South [illegible] Street
Spokane [illegible], Washington

JUN 5 1953

Re: Docket No. [illegible]
(Blue Jay Uranium)
[illegible]

Dear Mr. Eisenbom:

[illegible] transmitted herewith, with attachments.

[illegible] approval of [illegible] contract [illegible] in this [illegible] copies are returned to the operator. [illegible] manner.

[illegible] result of [illegible] with the [illegible] law.

[illegible] the application.

[illegible] of Uranium [illegible] T[illegible], additional [illegible] this contract [illegible] stated [illegible] for [illegible].

[illegible] by the [illegible] operations are now limitations. However, the drill [illegible] indicated in Item II [illegible] holes, provided [illegible] drilled does not exceed the amount stated in this contract.

Sincerely yours,

George C. Selfridge

Chairman, [illegible]

Encl. Please insert in Index 2 [illegible] for Uranium Claim.

cc: J. H. Hedges (2/B)
Forster, Bureau of Mines
A. R. Kinkel, Jr. (2/B)
Forster, Geological Survey

Messrs: R.F.Griffith, Rm. 3614A
[illegible].Larrabee, Rm. 6232 GSA
Ellis
Murphy
DMEA Field Team, Region II (2)

Murphy/db
5-29-53
cc to: Adm. Reading File
Operating Committee
Docket

P.T. 6-5-53

FILE COPY
SURNAME:

140

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

KANE
Rubin

June 2, 1953

n.s. in P. v. R.

Memorandum

To: The Administrator Through: Mr. E. W. Ellis

From: Chief Counsel

Subject: J. R. Simplot Company, Docket No. DMEA-2891 (Columbium-Tantalum and Uranium)

There is attached, in satisfactory legal form for execution, a contract covering the above-described project, subject to the insertion in Annex II of the book and page number of the Chink Claim.

J. L. Hofflund
J. L. Hofflund
Chief Counsel

Attachments

AEKane:ep

Copy to: Mails & Files
Mr. Hofflund
Mr. Kane
Chron.

Rec'd from Mr. Ellis' Office - direct

Re

J. R. SIMPLOT COMPANY

GENERAL OFFICES

CONTINENTAL BANK BUILDING

BOISE, IDAHO

May 29, 1953

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
JUN 1 1953

Mr. George C. Selfridge, Chairman
Operating Committee, D.M.E.A.
Department of Interior
Washington 25, D. C.

Dear Sir:

In DMEA application No. 2891 under heading 3(a), please substitute the following:

3(a) Applicants Property Rights.

Exploration will be conducted on the below described mining claims located in secs. 22, 27, 33, 34 and 35, T. 5 N., R. 9 E., Boise Meridian, Elmore County, Idaho.

Dismal Associated Group No. 1	Book 34 Page 182
Dismal Associated Group No. 2	Book 34 Page 181
Associated Gem Group No. 2	Book 34 Page 211
Associated Gem Group No. 3	Book 34 Page 210
Associated Gem Group No. 4	Book 34 Page 211
Lodge Pole	Book 34 Page 205
Horseshoe	Book 34 Page 205
Black Stuff	Book 34 Page 197
Trail Creek Group	Book 34 Page 204
Chink	Book 34 Page 195

The above claims are on record in Elmore County Court House, Mountain Home, Idaho.

3(f) See 3(a).

Very truly yours,

J. R. SIMPLOT COMPANY

O. E. Pothier

O. E. Pothier
Mining Engineer

OEP:lmk
c.c. Bureau of Mines
Spokane, Washington
USGS, Spokane

FILE COPY
SURNAME:

140

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

R. E. Kane
Burton

May 27, 1953

N.S. in R+R.

Memorandum

To: The Administrator
Through: Mr. E. W. Ellis

From: Chief Counsel

Subject: J. R. Simplot Company, Docket No. DMEA-2891 (Columbium-Tantalum and Uranium)

There is attached, in satisfactory legal form for execution, a contract covering the above-described project, subject to the attachment of the two maps referred to in the contract.

R. E. Kane for/ema
J. L. Hofflund
Chief Counsel

Attachments

AEKane/ema

cc: Mails & Files
J. L. Hofflund
A. E. Kane
Chron.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

May 11, 1953

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAY 14 1953

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

Re: Docket No. DMEA-2891 (Columbium-Tantalum)
J. R. Simplot Company
Dismal Swamp Placers
Elmore County, Idaho

Dear Mr. Selfridge:

Enclosed are supporting data to supplement the subject application.

Sincerely yours,

Eva M. Raymond

Eva M. Raymond
For: A. E. Weissenborn
Executive Officer, DMEA
Field Team, Region II

Enclosures
1. Claim map (6 copies)
2. Description of land (6 copies)

cc: USBM (2)
Armstrong

J. R. SIMPLOT COMPANY

GENERAL OFFICES

CONTINENTAL BANK BUILDING

BOISE, IDAHO

1 o D. C.

Additional Information for Docket DMEA-2891

The claims listed under 3(f) of the application do not include all of the property owned or controlled by the applicant in this area. The Chink Claim should have been included to show all the claims controlled by J. R. Simplot Company, but through an error, was omitted.

It is my opinion the Chink Claim does not have any potential mining possibilities. The program does not include any work in this area.

The area listed under 3(a) of the application includes only that land on which the exploration work was planned. The description of the land in which all of the holdings of the applicant is located is as follows: (See accompanying map).

W½, SE¼, SE¼,	Sec.	22,	T 5 N.,	R 9 E., B.M.
W½, NE¼, SE¼,	"	"	"	"
W½, NE¼, NE¼,	"	27	"	"
W½, SE¼, NE¼,	"	"	"	"
E ~~W~~½, SE¼,	"	"	"	"
SE¼, SE¼, NE¼,	"	33	"	"
E½, NE¼, SE¼,	"	"	"	"
S½, NW¼,	"	34	"	"
NE¼,	"	"	"	"
SW¼,	"	"	"	"
SE¼,	"	"	"	"
W½, NW¼	"	35	"	"

The above legal descriptions embraces the claims as listed in 3(f) of the application and the Chink Claim. Most of the claims lines do not follow the surveyed land lines of the area, however, all properties of the applicant fall within the above description.

O. E. Pothier

O. E. POTHIER
Mining Engineer

RECEIVED
MAY 6 1953
U. S. G. S.
SPOKANE, WASH.

4/20/53 gh

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

April 9, 1953

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
APR 16 1953

Re: Docket DMEA-2891 (Columbium-Tantalum)
J. R. Simplot Company
Dismal Swamp Placers
Elmore County, Idaho

Dear Mr. Selfridge:

This is in reply to your letter of March 30 about the above captioned application.

The Field Team concurs with the recommendation of R. F. Griffith that the proposed exploration contract can be approved on the basis of information supplied by Messrs. Carlson and Storch of the Bureau of Mines without the necessity of a field examination by this office.

The Owner's Consent to Lien forms you already have cover all the ground to be included in the contract.

We have written the applicant asking for a complete claim map showing the locations of the individual claims and the proposed exploration. We have also asked him to clarify whether the claims listed under 3(f) of the contract constitute all the company's holdings in that area [3(a)].

By DMEA Field Team, Region II

A. E. Weissenborn

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

M. E. Volin

M. E. Volin, Member
(U. S. Bureau of Mines)

cc: USBM (2)
Armstrong

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

April 5, 1953

Mr. Robert L. Troxell
Executive Vice President
J. R. Simplot Company
Continental Bank Building
Boise, Idaho

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
APR 16 1953

Re: Docket DMA--25,1 (Columbium-tantalum)
Dismal Swamp Placers
Elmore County, Idaho

Dear Mr. Troxell:

The above captioned application has been referred to us by the DMA Operating Committee. Before the application can be processed further we need some additional information.

1. Do the claims listed under 3(f) of the application constitute all of the property in the area--3(a) of the application--owned or controlled by the applicant?

2. We shall need a claim map showing all the boundaries and names of the claims to be included in the application and boundaries and positions of other claims in the vicinity owned or controlled by J. R. Simplot which might benefit from the proposed exploration. We would appreciate ten copies of this map.

If the above information can be obtained, we believe that the application can be processed without the necessity of another field examination, inasmuch as the property has previously been visited by Messrs. Carlson and Storch of the Bureau of Mines.

By DMA Field Team, Region #1

W. E. Weissenborn, Executive Officer
(U. S. Geological Survey)

M. J. Volin, Member
(U. S. Bureau of Mines)

cc: DMA (2) ✓
USGS (2)
Armstrong

FILE COPY
SURNAME:

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

APR 6 1953

Mr. A. . Weissenborn
Executive Officer
DMA Field Team, Region II
North 157 Howard Street
Spokane 8, Washington

D.C. 4/7/53

Re: Docket No. [illegible]-2091 (Columbium-Tantalum)
J. R. Simplot Company
Dismal Swamp Placers, Elmore County, Idaho

Dear Mr. Weissenborn:

Reference is made to our letter of March 30, 1953, transmitting the above-contioned application to your office for either a field examination or your recommendation based on information available to your office.

We have now received a recommendation from Mr. R. F. Griffith, Rare and Precious Metals Branch, Bureau of Mines, dated March 27, 1953, that this application be given due consideration, in view of the Bureau's favorable metallurgical report on beneficiation tests conducted on concentrates from the subject property. Two copies of this memorandum are attached for your information. We previously transmitted to your office the supplementary data submitted with J. R. Simplot Company's letter of March 19, which included the test data referred to in Mr. Griffith's memorandum.

Sincerely yours,

George C. Selfridge (DLB)

Chairman, Operating Committee

Enclosures 2

Concur:

J. H. Hodges (DLB)

Member, Bureau of Mines

A. R. Kinkel, Jr. (DLB)

Member, Geological Survey

GLAult/ FLKnouse/eef
4/3/53
cc to: Adm Reading Files
Docket
Operating Committee
Messrs. DMLarrance, RM. 232 GSA
RFGriffith, RM. 3641
Mr. Knouse
Mr. Ellis

FILE COPY
SURNAME:

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

MAR 3 0 1953

Mr. A. . eissenborn
Executive Officer
Field Team, Region 1
South 157 Howard Street
Spokane 8, Washington

Re: Docket No. [illegible]-2091 (Columbium-Tantalum)
J. R. Simplot Company
Jimal Swamp Placers, Lemhi County, Idaho

Dear Mr. Weissenborn:

The captioned application is referred to your office for either a field examination or your recommendation based on information available to your office.

Copies of memoranda are enclosed from Mr. A. F. Griffith dated February 18, 1953 and Mr. . . Van Alstine dated February 25, 1953 outlining questions to be covered in the reports of the engineers.

If your office recommends either the proposed program submitted by the Applicant, or an alternate one approved by the Applicant, kindly furnish us with the necessary detailed information required to draft a contract. This information should include any property controlled by the Applicant that will benefit from a recommended exploration program, also the required copies signed by the property owners of Form #F-203 "Owner's Consent to Lien" covering any property to be included in the contract that is not owned by the Applicant for which these forms have not been submitted. Signed "Owner's Consent to Lien" forms were supplied for Black Tuff, Carmelina, Dodge Hole, Trail Creek Group, Jimal Associated Group #1, Jimal Associated Group #2, Chink, Associated Gem Group #2, Associated Gem Group #3 and Associated Gem Group #4.

The property map submitted by the Applicant does not clearly show boundaries of the various tracts of land proposed for exploration. If your office recommends an exploration project we will require seven copies of the property maps showing the boundaries and the names of the property concerned.

We note in your letter of February 9,1953 transmitting this application, that your office retained one copy of the application. Also under date of March 24, 1953, we transmitted to your office supplementary data received from the Applicant.

Sincerely yours,

George L. Selfridge (2NB)
Chairman, Operating Committee

APPROVED:

J. H. Hodges (2NB)
Member, Bureau of Mines

A. R. Kinkel, Jr. (2NB)
Member, Geological Survey

FLKnouse/eef 3/27/53
cc to: Adm. Reading File
Docket
Operating Committee
Messrs. JJNorton, Room 3530 GSA
RBGriffith, Room 3641A
Mr. Ellis
Mr. Knouse
Field Team, Region II

S.N.
3/30/53

700

FILE COPY
SURNAME:

FLKnouse
Ellis
Hedges
Lindal
Selfridge
FJ Mason

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

MAR 3 0 1953

Mr. Robert I. Troxell
Executive Vice President
J. R. Simplot Company
Continental Bank Building
Boise, Idaho

Re: Docket No. DMA-2691
(Columbium-tantalum)
Dismal Swamp Placers
Elmore County, Idaho

Dear Mr. Troxell:

The application for assistance in exploring your property, under the above captioned docket number, has been reviewed by the Rare and Miscellaneous Metals Division of the Defense Minerals Exploration Administration. It has been referred to the Executive Officer of Region II at the following address:

Mr. [illegible] Weissenborn
Executive Officer
DMEA Field Team, Region II
South 157 Howard Street
Spokane 8, Washington

The Field Team will contact you if they require any additional information.

Sincerely yours,

C. O. Mittendorf (FW)

Administrator

S.H.
3/30/53

GLAult/FLKnouse/gla
3-30-53
cc to: Adm. Reading File
Docket
Ellis
Knouse
DMEA Field Team, Region II (2)

3/31/53 gla

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAR 30 1953

March 27, 1953

Memorandum

To: Ernest William Ellis, DMEA Chief, Rare and Miscellaneous Metals Division, Room 4640

From: Robert F. Griffith
Rare and Precious Metals Branch

Re: Columbium-Tantalum

Subject: Docket DMEA 2891; J. R. Simplot Co. Dismal Swamp Placers, Elmore County, Idaho

In view of the Bureau's favorable metallurgical report on beneficiation tests conducted at Albany, Oregon, on concentrates from the subject property, this office recommends that the application be given favorable consideration.

Considering the short exploration season at this property because of adverse weather conditions, a decision by the Regional DMEA office for a field team examination may result in delaying exploration work until the summer of 1954. The available data on this property may permit an analysis of proposed costs and drilling pattern without an actual visit to the ground.

Because of the apparently high columbite content of this property, it is recommended that the application be processed as soon as possible in order to permit exploration work during the summer of 1953.

In regard to the metallurgical report, this office was unable to reconcile the 70.8 percent $(Ta,Nb)_2O_5$, given on page 2, with the metallurgical balance on page 5. However, the Nb-Ta content of the head sample, as indicated by the chemical analysis, is sufficient to be of marketable grade.

R. F. Griffith

R. F. Griffith

Attachments

3/24/53 gla

J. R. SIMPLOT COMPANY

GENERAL OFFICES

CONTINENTAL BANK BUILDING

BOISE, IDAHO

March 19, 1953

Registered # 10328

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED

MAR 23 1953

Ernest Wm. Ellis, Chief
Rare and Misc. Metals Division
Defense Minerals Exploration Admin.
U. S. Dept. of the Interior
Washington 25, D. C.

Re: Docket No. DMEA-2891
(Columbium-tantalum)
Dismal Swamp Placers
Elmore County, Idaho

Dear Mr. Ellis:

In answer to your request of March 2, 1953, for additional information relative to the above application, the following are enclosed:

1. Statement of values and pertinent data obtained from prospect pits on the property.

2. Four copies of property map showing property lines of ground controlled by J. R. Simplot Company.

3. Four photostats of T5N, R9E, Boise Meridian, with outline of property controlled by J. R. Simplot Co.

4. Four copies of results of beneficiation work carried out by The U. S. Bureau of Mines at Albany, Oregon, using sand from Dismal Swamp.

Very truly yours,

O. E. Pothier

O. E. POTHIER
Mining Engineer

OEP:lmk

UNITED STATES

DEPARTMENT OF THE INTERIOR

Bureau of Mines

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAR 23 1953

Albany, Oregon
March 5, 1953

Mr. O. E. Pothier
J. R. Simplot Company
Continental Bank Building
Boise, Idaho

Dear Mr. Pothier:

Enclosed are two copies of our metallurgical report on beneficiation testwork recently performed on a sample of columbite black sand which you recently submitted to us.

The work is considered complete and we hope it will be of help to you in your milling operations.

Yours sincerely,

STEPHEN M. SHELTON
Regional Director
Region II

Enclosure

U. S. DEPARTMENT OF THE INTERIOR

Bureau of Mines

Albany, Oregon

Albany, Oregon
February 25, 1953

to: Glen C. Ware, Acting Chief, Nonferrous Metals

From: Mineral Dressing Section

Subject: Metallurgical report on beneficiation of the Dismal Swamp columbite placer black sand from the Middle Fork of the Boise River, Elmore County, Idaho (Head 274).

Summary

This sample of columbite black sand was submitted by Mr. O. E. Pothier, Mining Engineer for the J. R. Simplot Company, Continental Bank Building, Boise, Idaho. Mr. Stephen M. Shelton, Regional Director, Region II, requested appropriate mineral beneficiation testwork with the object of producing a columbite concentrate, as well as any other valuable mineral concentrates by economic methods.

Testwork performed in this laboratory indicated that as much as 95.9 percent of the columbite can be recovered in a concentrate with an analysis of 70.8 percent $(Ta,Nb)_2O_5$ in which the Nb/Ta ratio is 8.0 to 1. In addition, the following valuable mineral concentrates were produced:

Product	Weight Percent	U	Analysis, percent $(TaNb)_2O_5$	REO+Th	Sn	Th	ZrO_2	Albany Assay No.
Samarskite	6.1	2.25	29.6					60677
Monazite	3.5			50.8				59314
Zircon	5.6				6.37	0.26	59.3	60678

These concentrates were obtained by use of the following mineral dressing processes: screening, magnetic separation, and gravity concentration.

Representative portions of the head sample were prepared and submitted for chemical, spectrographic, and petrographic analyses, with the following results:

Chemical Analysis

Analysis, percent $(Ta,Nb)_2O_5$	Fe	TiO_2	U	Albany Assay number
47.3	5.85	3.67	0.43	57546

Spectrographic Analysis

Approximate percent	Element
Over 10	Fe, Cb
5 to 10	Ta, Si
1 to 5	Mn, Zr
0.1 to 1	Al, Ti
0.01 to 0.1	Sn, Ca, Mg, Mo
0.001 to 0.01	Be, Cu
Also indicated	La, Y, Nd

Petrographic Analysis

"This sample essentially contains columbite, some quartz and feldspar, less garnet and monazite, and relatively small amounts of the following minerals: ilmenite, zircon, cyrtolite, cassiterite, sericite, less topaz, rutile, zenotime, and octahedrite.

The sample also contains a small amount of black radioactive material, a part of which is samarskite. The remainder of this material has not been positively identified as yet; however, it appears to be a multiple oxide containing columbium, thorium, rare earths, and a relatively small amount of uranium. Upon the receipt of additional material, further studies and analyses will be made in order to determine the identity of this mineral. A report of our findings will be sent directly to you when the examination is completed."

Beneficiation Testwork

A representative portion of the head sample was subjected to a screen analysis. A Geiger count of each screen fraction indicated the concentration into the coarse sizes (plus 28-mesh) of a high radioactive material as well as a slight concentration into the finer sizes of an additional radioactive material. A detailed screen analysis is attached to this report as Table 1.

A 3.5 kilogram sample of the heads was screened on 28-mesh and both the over-size and undersize separately subjected to magnetic separation on the Stearns laboratory ring-type separator at increasing intensities to selectively produce concentrates of the following minerals: magnetite, titaniferous magnetite, and ilmenite, garnet, columbite, samarskite, monazite, and zircon with quartz and feldspar. The quartz feldspar was rejected from the zircon concentrate by passing over the laboratory shaker table. Similar products were combined and submitted for chemical and fluorescent analyses. Results of this testwork are attached to this report as Table II, and a laboratory flowsheet of this procedure is attached to this report as Table III.

Conclusions

Testwork performed in this laboratory indicated that, by the combination of screening, magnetic separation, and tabling as much as 95.9 percent of the columbite can be recovered in a concentrate with an analysis of 70.8 percent $(Ta,Nb)_2O_5$, and in which the Nb/Ta ratio is 8.0 to 1. Appreciable quantities of samarskite, monazite, and zircon concentrates were also produced. These would be valuable by-products in the economic consideration of this black sand sample.

It is emphasized that this testwork is only representative of the sample as submitted and hence only represents any black sand deposit to the extent that the sample was representative. This concludes the testwork on this sample and no further work is anticipated.

/s/ J. W. Pressler

Test Engineer:
J. W. Pressler

U. S. BUREAU OF MINES
Albany, Oregon
Mineral Dressing Section
Metallurgical Data

January 21, 1953

Table 1

Test No. 1
Test Engineer: J. W. Pressler
Head No. and Ore; Head 274 Simplot Black Sand.
Treatment: Dry screen analysis followed by Geiger count for each fraction.

Product	Weight Percent	Analysis, percent Geiger, (counts per minute)	Distribution %
Plus 8-mesh	1.9	2466	2.5
8/14-mesh	5.8	5634	17.3
14/20-mesh	4.8	6178	15.7
20/28-mesh	7.7	3108	12.6
28/35-mesh	18.3	1346	13.0
35/48-mesh	25.4	1170	15.6
48/65-mesh	17.7	1090	10.2
65/100-mesh	11-3	1218	7.3
Minus 100-mesh	7.1	1554	5.8
Calculated head	100.0	1894	100.0
Assay head		1922	

U. S. BUREAU OF MINES
Albany, Oregon
Mineral Dressing Section
Metallurgical Data

January 29, 1953

Table II
Test No. OD 3076
Test Engineer: J. W. Pressler
Head No. & Ore: Head 274, Simplot Black Sand
Treatment: A representative portion of 3.5 kilograms of the sample was screened on 28-mesh, and the two fractions separately subjected to magnetic separation at increasing intensities to produce the following concentrates: magnetite, titaniferous magnetite, garnet, columbite, samarskite, monazite, and zircon with quartz and feldspar. The quartz and feldspar was rejected by hydraulic classification and tabling to produce a clean zircon concentrate. Like products were combined and submitted for analysis.

Product	Weight Percent	Analysis, percent Nb	Ta	Fe_2O_3	Geiger	Distribution percent Nb	Ta	Fe_2O_3	Geiger
Magnetic conc. #1	1.6	0.5*	1.0*	29.0	46	0.1	0.4	12.4	0.1
Magnetic conc. #2	3.5	1.7	1.0*	16.0	86	0.2	1.0	14.9	0.2
Garnet concentrate	3.7	1.1	1.0*	9.0	114	0.1	1.0	8.9	0.2
Columbite conc.	67.5	39.0	4.9	3.3	1018	95.9	89.7	59.1	38.4
Samarskite conc.	6.1	15.0	1.9	1.1	11810**	3.4	3.2	1.8	40.6
Monazite conc.	3.5	0.9	1.0*	0.49	5714***	0.1	1.0	0.5	11.1
Zircon conc.	5.6	0.5*	1.0*	0.6	2986****	0.1	1.5	0.9	9.3
Quartz & feldspar	8.5	0.5*	1.0*	0.66	31	0.1	2.2	1.5	0.1
Calculated head	100.0	27.4	3.7	3.8	1789	100.0	100.0	100.0	100.0

*Less than
** Also analyzes 2.25 percent uranium and 29.6 percent $(Ta,Nb)_2O_5$
*** Also analyzes 50.8 percent REO plus thorium
**** Also analyzes 6.37 percent tin, 0.26 percent Th, and 59.3 percent ZrO_2

Albany Assay numbers: Fa934 - 941 consecutively.

Table III

FLOWSHEET
Laboratory Treatment of Simplot Black Sand

Crude Black Sand
concentrate

Vibrating screen (28-Mesh)

Undersize | Oversize

Each fraction to a separate magnetic separator (low intensity)

Magnetite concentrate
Titaniferous magnetite
Garnet concentrate

Non-magnetic tailing

Magnetic separator (moderate intensity)

Non-magnetic tailing
Magnetic separator (med. high int.)

Columbite conc.

Non-magnetic tailing

Samarskite conc.

Magnetic separator (high intensity)

Monazite concentrate

Non-magnetic tailings

Hydraulic classifier

Each fraction to a separate table

Zircon concentrate

Quartz and feldspar

Dismal Swamp Testwork

Testing of the pits as noted on the property map was carried out by washing a measured volume of gravel. The heavy sands recovered were weighed and chemical analysis made of the product.

The larger pit marked "A" on the maps inclosed produced $3\frac{1}{2}$ lbs. of heavy concentrate per yard of washed gravel. Approximately 40 lbs. of this sand was submitted to the Bureau of Mines, Region II, Albany, Oregon, for beneficiation testwork. The results of this work has been received since submitting the D.M.E.A. application. Four copies are inclosed.

Analysis of the sands sent to the Bureau of Mines were 47.3% $(Ta,Nb)_2O_5$; 5.85% Fe; 3.67% FiO_2; and 0.43 U. They were able to make a product of 70.8% $(Ta,Nb)_2O_5$ in which the Nb/Ta ratio is 8.1. Other valuable concentrates were made as noted on the inclosed report.

The other pits in the area were sampled and analysis made on the products. The results were submitted with the D.M.E.A. Report in the form of assays from various commercial chemists and companies interested in this product. The content of the black sands in Columbium-Tantalum were found to be quite uniform in all samples taken. Tabulated results from each pit are not available.

Sections were not made through the pits. The depths or thickness of the gravels were found to vary in thickness from a feather edge near the swamp to a maximum of four feet in the pits at the greatest distance from the swamp. The bedrock slope is at a small angle into the hill which indicates the existance of a channel to the north of the swamp. A good concentration of heavy minerals is expected near bedrock in the swamp area. To develop and prove a yardage, it will be necessary to drill this area. At a place a few feet up Buck Creek from where the trail to Rocky Bar Road crosses Buck Creek, the gravel is exposed in the creek. A pit was dug here which went through five feet of gravel but not to bedrock. A good concentration of heavy sands was noted similar in character to the controlled tests. An analysis was not made of this material.

3/11/53 gla

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

March 6, 1953

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAR 9 1953

Mr. Ernest Wm. Ellis, Chief
Rare and Misc. Metals Division
United States Department
of the Interior
Defense Minerals Exploration Admin.
Washington 25, D. C.

Re: Docket No. DMEA-2891 (Columbium-tantalum)
Dismal Swamp Placers
Elmore County, Idaho

Dear Mr. Ellis:

Your letter addressed to us under date of March 2, with regard to the above captioned subject to Mr. Troxell, has been handed to this department for attention.

The staff engineer who prepared this report is out of the office for the balance of the week, but will be here on Monday, March 9, at which time we will comply with the request contained in your letter.

Thanking you very much for your prompt attention to this matter, and apologizing for the fact that our presentation was not complete, we are

Very cordially yours,

GEORGE MCHUGH
Manager of Mines

GM:lmk

FILE COPY
SURNAME:

F.L. Knouse
Ellis

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

MAR 2 1953

Mr. Robert [illegible] Proxell
J. R. [illegible] Company
[illegible] Building
[illegible], [illegible]

Re: Docket No. [illegible]-2691 (Columbium-tantalum)
[illegible] Placers
[illegible] County, [illegible]

Dear Mr. Proxell:

This is with reference to the captioned application now being processed by this office for Government exploration aid.

[illegible] to lic[illegible] we will require the following:

1. [illegible] mining [illegible] the [illegible] mineral in place. [illegible] mining property is controlled by your company is [illegible] as shown on [illegible].

2. [illegible] of various [illegible] months [illegible] effect. [illegible] above [illegible] of [illegible] description which [illegible] or per cubic [illegible] of material [illegible].

[illegible] section [illegible] be as to information we will continue to process [illegible] application.

Sincerely yours,

SIGNED

[illegible] Chief
Rare and Misc. [illegible] Division

S.H.
3/2/53

FLKnouse/jem
2/27/53
cc to: Adm. Reading File
Docket
Messrs. [illegible]Griffith-36[illegible]
J. [illegible]orton-[illegible]-232 [illegible]
Ellis Knouse
Field Team, Region II (2)

2/26/53 fem

IN REPLY REFER TO:

G-MD-CNM

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

February 25, 1953

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
FEB 26 1953

Memorandum

REVIEW OF APPLICATION DMEA-2891 (columbium and tantalum)

To: ~~L. G. Houk,~~ Defense Minerals Exploration Administration
From: R. E. Van Alstine, U. S. Geological Survey
Applicant: J. R. Simplot Company, Continental Bank Bldg., Boise, Idaho.
Name of property: Dismal Swamp.
Location of property: Secs. 27 and 34, T. 5 N., R. 9 E., Elmore County, Idaho, 115 miles from Mountain Home and 7½ miles from Rocky Bar.
Estimated cost of project: $19,336.00
Summary of applicant's proposal:

1) Build an access road 1½ miles from the existing road; build other roads on which to move the drill.
2) Churn drill test holes with an 8" placer drill (bedrock 0 to 20 feet plus).
3) Sink two or more shafts around drill holes to check drilling results.
4) Bulldoze trenches for sampling.
5) Analyze 50 samples.

Sources of information on applicant's property:
We have no published or file information on this property.
Comments:

1) Columbium or tantalum have not been produced from here; a few hand pits were dug in the summer and fall of 1952. The occurrence of columbium and tantalum is indicated by the meager assay data presented, based upon this preliminary exploration. The heavy mineral concentrates evidently ranged from 30.4 to 49 percent Cb_2O_5 and from 4 to 6.5 percent Ta_2O_5.
2) Applicant does not state the number of holes to be drilled, but his map shows 29 proposed holes along Buck Creek and tributaries and in the terrace along the north side of the creek.
3) The applicant's cost estimate shows that a total of 500 feet of drilling is contemplated, which places the average depth of the 29 holes at about 17 feet. His map, however, shows that 20 of the 29 holes are proposed for the swampy area (present valley level) where the alluvium is thickest; the thickness of alluvium is not known in the swampy area (see applicant's cross section and remark on map that a 10-foot shaft did not reach bedrock). Presumably the drilling would have to go to bedrock, as the applicant states under 4b and 4c that the heavy minerals are concentrated in the gravels near the bedrock.

4) Mr. E. J. Carlson of the Bureau of Mines is said to have visited the property in August 1952; I suggest that the application be referred to him for review.

RECOMMENDATION:
Refer to field team.

R. E. Van Alstine

R. E. Van Alstine

2/20/53 gla

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
FEB 19 1953

February 18, 1953

Memorandum

To: Ernest William Ellis, DMEA Chief, Rare and Miscellaneous Metals Division. Room 4640

From: Robert F. Griffith
Rare and Precious Metals Branch

Re: Columbium-Tantalum

Subject: Docket DMEA 2891; J. R. Simplot Co. Dismal Swamp Placers, Elmore County, Idaho

The subject property was visited in August, 1952, by E. J. Carlson, of this office, and R. H. Storch, Bureau of Mines engineer, Region II. Their observations were in agreement with that part of the technical data included in this docket concerning location, accessibility, operating conditions, potential yardage, and inferred tenor. This office agrees with the recommended exploration plan.

Although the indicated volume is small, the apparent columbium content of the concentrates could make this deposit an important domestic source of this short-supply metal. It is further believed that a successful operation on this property would encourage the exploration and development of other columbium-bearing deposits in the region; both lode and placer.

Considering the short season and the Company's desire to begin exploration work this coming season, this office would agree to the approval of the loan without a field team examination. However, this is a decision for the Regional DMEA office to make; therefore, this office recommends that the subject docket be referred to the field for consideration and recommendations.

R. F. Griffith

R. F. Griffith

Attachment

February 17, 1953

Mr. Robert I. Troxell
Executive Vice President
J. R. Simplot Company
Continental Bank Building
Boise, Idaho

DMEA-2891
Subject: Exploration Assistance
Re: Dismal Swamp

My dear Mr. Troxell:

The receipt of your application dated February 6, 1953 for exploration assistance under the Defense Production Act of 1950, as amended, is hereby acknowledged.

Your application has been assigned Docket Number DMEA-2891 and referred to the Rare and Miscellaneous Metals Division.

Kindly refer to DMEA-2891 in any future correspondence relating to your application.

Sincerely yours,

R. E. ADAMS
Robert E. Adams
Chief, Operations Control
and Statistics Division

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

February 17, 1953

Memorandum

To: Executive Officer, DMEA Field Team, Region II

From: Chief, Operation's Control and Statistics Division

Subject: Assignment of Docket Number

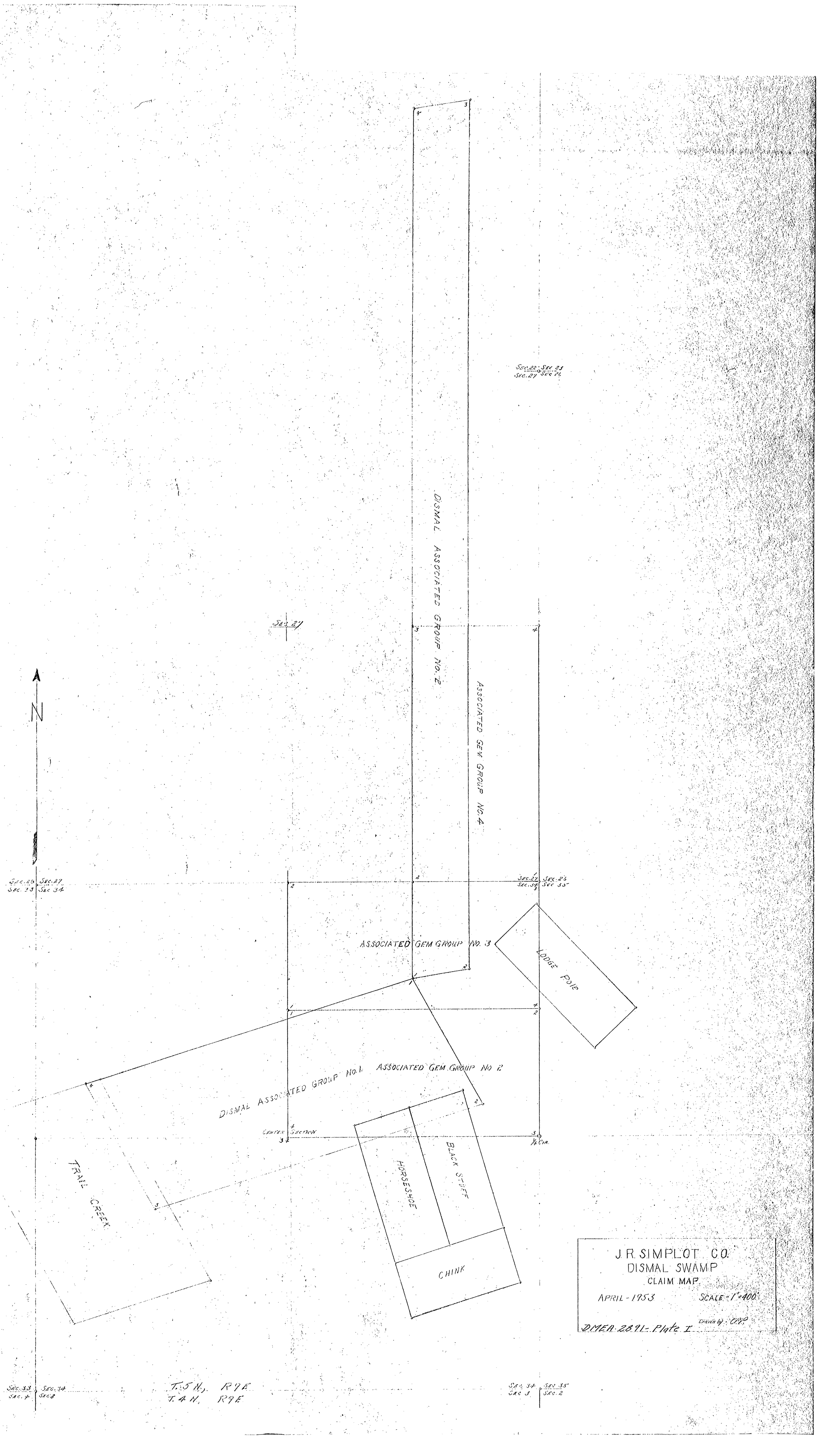
There is listed below the assigned docket number to an application recently received from Region II.

DMEA - 2891 J. R. Simplot Company

R. E. ADAMS

Robert E. Adams,
Chief, Operation's Control
and Statistics Division

33980


N
Sec. 22 Sec. 23
Sec. 27 Sec. 26
Sec. 27
DISMAL ASSOCIATED GROUP NO. 2
ASSOCIATED GEM GROUP NO. 4
Sec. 23 Sec. 27
Sec. 33 Sec. 34
Sec. 27 Sec. 26
Sec. 34 Sec. 35
ASSOCIATED GEM GROUP NO. 3
LODGE POLE
DISMAL ASSOCIATED GROUP NO. 1
ASSOCIATED GEM GROUP NO 2
CENTER SECTION
1/4 COR.
TRAIL CREEK
HORSESHOE
BLACK STUFF
CHINK
Sec. 33 Sec. 34
Sec. 4 Sec. 3
T. 5 N., R 9 E.
T. 4 N., R 9 E.
Sec. 34 Sec. 35
Sec. 3 Sec. 2
J. R. SIMPLOT CO.
DISMAL SWAMP
CLAIM MAP
APRIL - 1953
SCALE - 1" = 400'
Drawn by: CCP
DMEA 2891 - Plate I

ASSOCIATED GEM GROUP No. 4
ASSOCIATED GEM GROUP No. 3
DISMAL ASSOCIATED GROUP No. 2
TO MIDDLE FORK BOISE RIVER
LODGE POLE
SEC. 27
SEC. 34
20' SHAFT
10' SHAFT
MOVENTYL BEDROCK
SECTION A-A'
Scale: Horizontal - 1" = 100'
Vertical - 1" = 50'
TRAIL TO MIDDLE FORK BOISE RIVER
FROM HILLSIDE
CHARD WITH GRANITE WASH
POSSIBLE EXTENT OF PLACER GRAVEL
IN THIS AREA BEDROCK ABOVE WATER LEVEL
EXTENT OF MINERALIZED GRAVEL UNKNOWN
PROPOSED PITS
10' SHAFT NOT TO BEDROCK
EDGE OF SWAMP
No PLACER GRAVEL ON SOUTH SIDE OF SWAMP
DISMAL ASSOCIATED GROUP No. 1
ASSOCIATED GEM GROUP No. 2
J. R SIMPLOT CO.
DISMAL SWAMP
ELMORE CO, IDAHO
Scale - 1" = 100'
October - 1952
Outline of Swamp + Water Level
Possible extent of Placer Gravel
Proposed Drill Holes
Claim Boundaries
DMEA 2891 - Plate II
NOTE: TRAIL CR. CLAIM OVERLAPS WEST END OF DISMAL ASSOCIATED GROUP No. 1 150'. ITS DIMENSIONS ARE SOUTHEASTERLY 2400' AND NORTHWESTERLY 1500'.
NOTE: CHINK CLAIM TIES ON SOUTH END OF BLACK STUFF.
BLACK STUFF
HORSESHOE
CENTER SECTION SEC. 34