OFFICE OF THE ADMINISTRATOR

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS ADMINISTRATION

WASHINGTON 25, D. C.

DMEA Form 9
Rev. 6/57

UNITED STATES
DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration

OFFICIAL DOCKET FILE

Idm-E NO. 699

DMEA NO. 3286

Application
- [ ] Denied
- [ ] Withdrawn

Contract
- [ ] Terminated - Not Certified
- [ ] 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 (Royalty Review
- [x] Certification of Discovery
- [ ] Closing Letter
- [x] Cost Audits
- [ ] Termination Notice or Agreement
- [ ] Recision Notice
- [ ] Assignment of Contract
- [x] Contract Amendments
- [x] Contract with all exhibits and annexes
- [ ] 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
- [x] On-site Exam Report (Tab)
- [ ] Settlement Sheets
- [ ] Drill Logs

Additional Folders:

Left Side

Folders No. 1 : Reports
- [x] Analysis of Semi-Annual Inspection Reports
- [ ] 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. _____ : Maps (Use pocket folder or envelope)

Folders No. _____ : Settlement Sheets

Folders No. _____ : Drill Logs

Folders No. 1 : Royalty material

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 Idm-E699, Docket DMEA-3286 (tungsten), dated August 19, 1954, with

J. L. Starnes
2609 Dexter
Denver 7, Colorado

for the purpose of determining the amount of royalty payable to the U. S. Government on sales of minerals from property referred to as the Peepout Claims located in Boulder County, Colorado, during the period June 16, 1959, through November 26, 1962.

A certification of discovery or development was issued on August 31, 1955, and, in accordance with Annex I of the contract, royalty is payable on all minerals 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 February 28, 1955, indicated accepted costs under the exploration contract amounting to $14,000.00 with the Government's contribution on a 75 percent basis being $10,500.00.

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

This review found no sales subject to the Government's royalty subsequent to the period covered by a prior Report of Royalty Review which also found no sales subject to the Government's royalty through June 15, 1959. Accordingly, as of November 26, 1962, the royalty account of this project was found to be:

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

E. D. Talbert
E. D. Talbert, OME Auditor

December 6, 1962

STATUS OF PROJECT, SCOPE OF REVIEW AND REASONS THEREFOR

This contract provides that the Operator, as principal if the producer or as surety if not the producer, shall pay to the Government a percentage royalty on all minerals produced from the land thereunder. The land consists of the unpatented Poupout and Poupout Extension claims located in sec. 34, T. 1 N., R. 72 W., 6th P.M., Sugar Loaf Mining District. At the time the contract was executed the Operator was the owner by virtue of relocation on March 12, 1954. The contract contains the so-called "abandonment" provision.

Exploration work under the contract was completed January 12, 1955. No ores were produced during the exploration period. Subsequent examinations of the property and inquiries by MMA and OME regional representatives found the property inactive through February 19, 1960.

In a November 26, 1962, reply to a MME Form 63 inquiry the Operator advised that neither change in property status nor production has occurred since February 19, 1960.

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

(1) The files indicate that no minerals have been produced from the property since the date of the contract; 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 royalty which might be disclosed.

JUN 19 1959
O.M.E.

OFFICE OF MINERALS EXPLORATION
CONTRACT ADMINISTRATION AND AUDIT DIVISION

REPORT OF ROYALTY REVIEW

I have reviewed the files of the Executive Officer, OME Field Team, Region III, Denver, Colorado pertaining to Contract Idm-E699, Docket No. DMRA 3286, dated August 19, 1954, with

J. L. Starnes
2800 Walnut Street
Boulder, Colorado

for the purpose of determining the amount of royalties due the U. S. Government on the sales of Tungsten, from property referred to as Poop Out Claim, located in Boulder County, Colorado, during the period August 19, 1954 to June 15, 1959.

A Certification of Discovery or Development was issued on August 31, 1955, and accordingly royalty is payable on all production from the land described in Article 2 of the contract for a maximum period of 10 years from the date of the contract. A Report of Review in lieu of final cost audit dated February 28, 1955, indicated accepted costs under the exploration contract amounting to $14,000.00 with the Government's contribution on a 75 percent basis being $10,500.00.

No royalty has 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:

(a) According to the Field Team's Annual Report of certified project for the period January 15, to December 31, 1955, operation ceased about January 15, 1955; no ore has been shipped since August 19, 1954, (The date of the exploration contract). Subsequent semi-annual reports of Field Team during the period January 1, 1956 to December 31, 1958 indicate the property inactive and no operations or ore shipments are anticipated in 1959.

(b) The administrative costs 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.

June 15, 1959

Donald T. Finch
Donald T. Finch
OME Auditor

DOCKET
Holt
Chapman
Talbert
Yoss
Kilgaard
Selfridge

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

To: Mr. J. L. Starnes
2800 Walnut Street
Boulder, Colorado

Pursuant to the provisions of Exploration Project Contract No. Idm E699, dated August 19, 1954, as amended (Docket No. DMEA 3286), 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 a 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:

Lenses of ferberite ($FeWO_4$) and horn quartz in a gangue of quartz and silicified granite occur along a northeasterly-striking fissure in the Boulder Creek granite on the Poopout claims. Results obtained from the shaft sinking and drifting under the exploration program have indicated small lenses or ore shoots that contain appreciable quantities of tungsten.

THE UNITED STATES OF AMERICA

Dated: AUG 3 1 1955

By [signature]
Administrator, Defense Minerals Exploration Administration

cc: Docket
Code 400-Martin
Code 800-Chambers
Code 110-Johnson
Oper. Comm.
Adm. Read. File
FT, Reg. 3
Thor Kiilsgaard, USGS
R. W. Geehan, USBM

cc: Robt. Holliday, USBM
Finance Officer
C. A. Fredell, Act.Dir., EPS, GSA

FARutledge/~~xx~~SPHolt/ls
8/25/55

Holt
Chapman
Holliday
Gubin
Appd. Sol. Off.
Talbert

400

DEFENSE MINERALS EXPLORATION ADMINISTRATION
CONTRACT ADMINISTRATION AND AUDIT DIVISION

REPORT OF REVIEW

I have reviewed the Monthly Reports of:

J. L. Starns
2800 Walnut Street
Boulder, Colorado

WSM

pertaining to Exploration Project Contract No. Idm-E699, Docket No. DMEA 3286, including Amendment No. 1, for the months of September, 1954 to January, 1955, inclusive, covering a project for the exploration of tungsten on property known as Poopout Claim, located in Boulder County, Colorado.

My review included an examination of the Monthly Reports (Form MF-104) and supporting documents attached thereto, comparison of the costs claimed with the contract and pertinent schedules, consultation with the Executive Officer of the DMEA Field Team, and a determination of the reasonableness and propriety of the costs.

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

All 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:		$14,000.00
Exceptions:		
By DMEA Finance Officer	$0.0	
Herewith	0.0	
Total Accepted Cost		$14,000.00

The contract calls for a 75% participation of exploration expenses by the United States Government. Therefore, payment to the contractor by the Government in the amount of Ten Thousand, Five Hundred, and no/100ths Dollars

$10,500.00

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.

Date: February 28, 1955

T. H. Brading, Auditor.

No. 1

Pinton
12/13/4

AMENDMENT OF CONTRACT: No. Idm-3699

Contract Docket No. DMEA 3285, dated August 19, 1954, between the United States of America and J. L. Starnes is hereby amended as follows, effective as of the date of the contract:

> Referring to EXHIBIT "A" attached to Exploration Project Contract form NF-830(A) (February 1952), caption "Estimated Costs of the Project", subheading "Stage II" delete the following: "Assaying as required to a maximum of $125.00 ...3/" and in lieu thereof substitute the following: "A maximum of 25 tungsten assays at $5.00 each 3/". Delete footnote 3/ in its entirety and in lieu thereof substitute the following: "3/ claim for reimbursement for analysis charges is to be supported by a copy of the assay return showing results.

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".

Dated: November 23, 1954

J. L. STARNES

By J. L. Starnes

UNITED STATES OF AMERICA

By W. H. King

W. H. King, Executive Officer
DMEA Field Team, Region IV

MF-200 (A)
(February 1952)

DOCKET NO. DMEA 3206

COMMODITY Tungsten

Idm-E699

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

EXPLORATION PROJECT CONTRACT[1]
(Short Form)

IT IS AGREED this 19th day of August, 1954, between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, hereinafter called the "Government," and[2] J. L. Starnes
Dream Canyon, Sugar Loaf Route
Boulder, Colorado

hereinafter called the "Operator," as follows:

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

ARTICLE 2. *Operator's property rights.*—With respect to that certain land situated in the State of Colorado, County of Boulder, described as follows:[3]
Poopout unpatented claim recorded in Book 953, Page 332, and
Poopout Extension unpatented claim recorded in Book 953, Page 333,
Boulder County Recorder's Office

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:
None

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

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

ARTICLE 3. *Exploration project.*—The Operator, within thirty (30) days from the date of this contract shall commence work on a project of exploration for[5] Tungsten

in or upon the described land; and shall bring the project to completion within a period of six (6) 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. The work shall be performed by the Operator or by independent contractor or contractors efficiently, expertly, in a workmanlike manner, in accordance with good mining standards and State regulations for health and safety and for workmen's compensation and employers' liability insurance, with suitable and adequate equipment, materials, and labor, to bring the project to completion within the time fixed. The Government shall have the right to enter and observe and inspect the work at all reasonable times, and the Operator shall provide the Government with all available means for doing so. The Government may consult with and advise the Operator on all phases of the work.

ARTICLE 4. *Costs of the project.*—The agreed, estimated costs of performing the work, expressed in terms of units of work to be performed (per foot of drifting, per foot of drilling, per cubic yard of material to be moved, etc.) are set forth in Exhibit "A," attached hereto. The Government will pay seventy-five (75) percent of these agreed, estimated costs, as they accrue, for units of work actually performed that conform with the description or specifications for the work set forth in this contract, in an aggregate total amount not in excess of $10,500.00, which is 75 percent of $14,000.00, the agreed, estimated total cost of the project in which the Government will participate: *Provided,* That until the Operator's final report and final accounting have been rendered to the Government and any final check or auditing required by the Government has been made, and a final settlement of the contract has been made, the Government may withhold from the last voucher or vouchers such sums as it sees fit not in excess of ten (10) percent of the maximum total which the Government might have been called upon to pay under the terms of the contract. The Government may, as it sees fit, make payments direct to the Operator's independent contractors, if any, for the account of the Operator, rather than to the Operator.

ARTICLE 5. *Reports, accounts, audits.*—(*a*) *Progress reports.* The Operator shall provide the Government with monthly reports of units of work performed under the contract, in quintuplicate (five copies), upon forms provided by the Government. These progress reports shall be certified by the Operator, and shall constitute both the Operator's invoice of units of work performed on the project during the period covered by the report and his voucher for repayment by the Government, unless the Government requires the use of a standard voucher form with invoice attached. Progress reports shall include surface and/or underground engineering-geological maps or sketches showing the progress of the exploration, with assay-reports on samples taken concurrently with the advance in mineralized ground.

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

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

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

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

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

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

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

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

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

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

~~(*d*) This article is not to be construed as imposing any obligation on the Operator or the Operator's successor in interest~~ to engage in any mining or production operations. **See Annex I substituted for Article 6.**

ARTICLE 7. *Assignment, transfer, or loss of Operator's interest.*—Without the written consent of the Government, the Operator shall not assign or otherwise transfer or hypothecate this contract or any rights thereunder. The Operator shall not make any voluntary nor permit any involuntary transfer or conveyance of the Operator's rights in the land described in Article 2, without making suitable provision for the preservation of the Government's right to a percentage royalty on production and lien for the payment thereof; *Provided*, that mere failure by the Operator to maintain the Operator's rights in the land, without any consideration running to the Operator other than relief from the cost of maintaining such rights (as by surrender of a leasehold, failure to perform assessment work, or failure to exercise an option), coupled with complete abandonment by the Operator of all interest in or operations on the land for a period of 10 years from the date of this contract, shall not constitute such a transfer or conveyance. Should the Operator make or permit any transfer or conveyance in violation of this provision, the Operator shall be and remain liable for payment to the Government of the same amounts, at the same times, as would have been paid under the terms of the percentage royalty on production. If for any reason the net smelter returns, net concentrator returns, or other net amounts realized from the sale or other disposition of such production are not available as a means of measuring the amount of the Operator's liability, the amount thereof shall be estimated as well as may be, and in the event of dispute as to such estimates, the determination thereof by the Administrator of Defense Minerals Exploration Administration or by his successor shall be final and binding upon the Operator.

ARTICLE 8. *Termination and completion.*—The Government may, at any time, by written notice to the Operator, terminate this contract: (*a*) If the Operator fails to provide his share of the money necessary to prosecute operations pursuant to the terms of the contract; (*b*) if the Operator, in the opinion of the Government, fails to prosecute operations pursuant to the terms of the contract; or (*c*) if, in the opinion of the Government, operations up to the time of the notice have not indicated the probability of making any worth while discovery and in the opinion of the Government further operations are not justified.

ARTICLE 9. *Changes and added provisions* _____

Executed in sextuplicate the day and year first above written.

J. L. Stauer
(Operator)

By _____

THE UNITED STATES OF AMERICA

By W R King
Executive Officer, DMEA
Field Team, Region IV

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

_____ [CORPORATE SEAL]

U. S. GOVERNMENT PRINTING OFFICE 16—66329-1

ANNEX I

The following provisions are in lieu of Article 6:

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

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

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

d. Unsold production. --If any production (ore, concentrates, metal, or equivalent), after the lapse of six months from the date the ore was extracted from the ground, remains neither sold nor used by the Operator in integrated manufacturing or fabricating operations (for instance, if it is stockpiled), the Government, at its option, as long as it so remains, may require the computation and payment of its royalty on the value of such production in the form (ore, concentrates, metal, or equivalent) it is in when the Government elects to require computation and payment. If any production is used by the Operator in integrated manufacturing or fabricating operations before the Government makes

its election, the Government's royalty on such production shall be computed on the value thereof in the form in which and at the time when it is so used. "Value" as here used means what is or would be gross income from mining operations for percentage depletion purposes in Federal income tax determination, or the market value, whichever is greater.

e. Percentages of royalty. --The percentages of the Government's royalty shall be as follows:

> One and one-half ($1\frac{1}{2}$) percent of amounts (gross proceeds" or "value") not in excess of eight dollars ($8.00) per ton of production in the form in which sold, held, or used, plus one-half ($\frac{1}{2}$) percent for each additional full fifty cents ($0.50) by which such amounts exceed eight dollars ($8.00) per ton, but not in excess of five (5) percent of such amounts.
>
> (For instance: the royalty on an amount of five dollars ($5.00) per ton, would be one and one-half ($1\frac{1}{2}$) percent; on an amount of ten dollars ($10.00) per ton, three and one-half ($3\frac{1}{2}$) percent.)

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

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

h. No obligation to produce. --Nothing in this contract is to be construed as imposing any obligation on the Operator or the Operator's successor in interest to engage in any mining or production operations.

i. Government not obligated to buy. --Nothing in this contract shall be construed as imposing any obligation on the Government to purchase any minerals mined or produced from the land.

58694

DMEA DOCKET 3235

EXHIBIT "A"

Description of the Work

The work will be divided into two stages, Stage I and Stage II. Stage II must have the prior written approval of the DMEA Field Team, Region IV, before the work thereunder is started.

Stage I work shall include surface preparation at shaft site by bulldozer; the construction of a shelter building, and the installation of surface equipment; the construction of a suitable headframe over the existing 25 foot shaft; widening of the existing 25 foot shaft and retimbering to a minimum cross section size of 4 x 8 feet in the clear of timber before being divided into two compartments; sinking of shaft an additional 85 feet below the present bottom (a depth of 110 feet below the lower tunnel level).

Stage II work shall consist of drifting 800 feet northeasterly on the Poopout vein from the shaft at a depth of 100 feet below the lower tunnel level.

Work of both stages shall include sampling and analysis of any mineralized portions of the vein encountered in the above work.

Estimated Costs of the Project

Stage I

Bulldoze surface site near portal of lower tunnel, erect suitable shelter building, and install surface equipment.....	1/	$ 500.00
Erect suitable headframe over present 25 foot shaft at portal of lower tunnel.....		300.00
Widen to standard cross section and timber present 25 foot shaft at portal of lower tunnel.....	1/	700.00
Sink present shaft an additional 85 feet on the Poopout vein to a depth of 110 feet below the lower tunnel at a total cost, including timbering, of $75.00 per foot.....		6,375.00

1/ The entire work constitutes the unit of work.

Stage II

Drift 200 feet northeasterly on the Poogeut vein from the above shaft at a depth of 100 feet below the lower tunnel level at a total cost of $30.00 per foot, including timbering if necessary.....	2/	$6,000.00
Assaying as required to a maximum of $125.00.....	3/	125.00*
Total, Stage I and Stage II		$14,000.00
Government participation at 75 percent		$10,500.00

---

* Indicates allowable maximum.

2/ Stage II work must have prior written approval of the [illegible] Field Team, Region IV.

3/ Assaying charges, claimable under either Stage I or Stage II, are based on actual cost and must be supported by copies of assay return showing charges and results.

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. 3286
Metal or Mineral Tungsten
Date Received
Estimated Cost $14,253
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. L. Starnes - Drown Canyon, Sugar Loaf Route, Boulder, Colorado

(*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 Poop-Out location claim and the Poop-Out Extention location claim

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

(*c*) State your interest in the land, whether owner, lessee, purchaser under contract, or otherwise Owner by right of discovery and location.

(*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 No liens or encumbrances other than location requirements. Recorded in book 947, pages 49 and 50.

(*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.

MF-500

5. *The exploration project.*—(*a*) [redacted]e the mineral or minerals for which you wi[redacted] explore Tungsten

(*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 7 days and be completed within 6 months from the date of an exploration project contract.

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

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

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

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

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

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

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

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

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

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

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

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

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

☐ 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 January 20, 195[redacted]4

J. B. Starnes
(Applicant)

By

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

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

(1). Undertaken by J. L. Stumpes of Dream Canyon, Sugar Loaf Route, Boulder, Colorado.

(3-a). Poop-Out location claim and the Poop-Out Extention location claim each 1500 feet by 600 feet, located in Gordon Gulch, Sugar Loaf Mining District, Boulder County, Boulder, Colorado.

(3-b). The Poop-Out Extention covers the Peewink Mine on Peewink Mountain.

(3-c). Owner under location rights.

(3-d). No liens or encumbrances other than location requirements. Recorded in book 947, pages 49 and 50.

(4-a). Have sunk 20 feet on the Poop-Out claim exposing tungsten bearing vein with good indications of being a good commercial ore-shute. Have cleaned exhisting prospect holes and drifts along said vein proving the continuation of vein. The Poop-Out Extention claim covers the Peewink Mine which is listed with government records as having been extensively stoped.

(4-b). To date this information has not been available to me.

(4-c). The mineral occurs as a tungstate of iron, a ferberite ore, in a good true fissure vein with a North-East by West trend with a pitch of about eighty-five degrees. The country rock is granite cut by pegmatite dykes. I wish to explore the vein at depth to prove a commercial deposits of tungsten ore. There are good indications of a good ore-shute where I have sunk on the Poop-Out claim.

(4-d). The accessibility of the property is good, it is located about one hundred feet from a good county road that is kept open year around. The distance to shipping points are also good, it is about 12 miles from Boulder and about 7 miles from Nederland, Colorado.

(4-e). The availability of manpower, materials, supplies, equipment, water, and power are immediately at hand.

(5-a). Tungsten

(5-b). I wish to sink 100 feet with the vein and drift 200 feet with the vein to fully explore said vein at depth. There are good indications and showings on the surface and the adjoining Peewink Mine was a good producer on the same vein and adjoining veins.

(5-c). The work will start within 7 days from the date of an exploration project contract and shall be completed within 6 months after the head-frame and necessary buildings are completed.

ACCOMPANYING APPLICATION FOR AID IN AN EXPLORATION PROJECT, PURSUANT TO EMBA ORDER 1, UNDER THE STRATEGIC PRODUCTION ACT OF 1950, AS AMENDED.

(5-d). I have had eight years of mining and supervisory experience.

(6). Estimate of costs as follows:

Access road - two-hundred feet - - - - - - - - - - - - -	$200.00	
Head-frame -	500.00	
Buildings -	300.00	
	$1000.00	prior to any active operation
Supervisor - - -$150.00 per week - - - - - - - - - - - -	$1800.00	30
Two miners - - - -$1.75 per hour - - - - - - - - - - -	2184.00	1400
One hoistman - - - 1.75 per hour - - - - - - - - - - -	1092.00	1400
	$5076.00	Labor on shaft, frame, and buildings.
Powder and primers - - - - - - - - - - - - - - - - - - -	$ 620.00	5.20
Purchased air - - - $1.75 per hour (4 hours) - - - - -	504.00	
Steel and bits -	172.00	
Oil and grease -	80.00	
Pipe, two-inch/one-hundred feet - - - - - - - - - - - -	118.00	
Timber -	350.00	
	$1868.00	Operating materials and supplies.
Buildings, head-frame,		
Access road as listed above - - - - - - - - - - - - - -	$1000.00	
Labor as listed above - - - - - - - - - - - - - - - - -	5076.00	
Materials as listed above - - - - - - - - - - - - - - -	1868.00	
Use of equipment - - - - - - - - - - - - - - - - - - -	155.00	
Compensation -	84.00	
Misc,. -	100.00	
	$8131.00	
Excluding road, frame, and buildings- -	1000.00	
	$7131.00	

Total amount of costs for 100' shaft - - - $7131.00
Total costs for shaft per/foot - - - - - - -$71.31

$71.31 represents total costs per/foot for one-hundred feet of shaft.

(contd).

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

(6). contd.

(200 feet of drift after completion of shaft sinking).

Labor:

Supervisor - - - - - - -	$150.00	per week - - - - - - - - - - - - -	$1500.00
One machine man- - - - -	$1.75	per hour- - - - - - - - - - - -	910.00
One mucker- - - - - - - -	$1.65	per hour - - - - - - - - - - - -	858.00
One hoist-man - - - - - -	$1.65	per hour- - - - - - - - - - - -	858.00
		Total Labor - - - - - - - - -	$4126.00

Material:

Powder- - - - - -2/8 ton, or 36 cases @ $11.65 per/case- - - - -	$ 407.75
Fuse - - - - - - -9000 feet - - - - - - - - - - - - - - - - - - -	115.00
Caps -	32.00
Carbide insert steels, $18.60 per 5' lengths, (5 pieces) - - - -	93.00
Lamp carbide - - -100#, $7.50 - - - - - - - - - - - - - - - - - -	7.50
Purchased air - - -$1.75 per/hour, 4 hours per day - - - - - - - -	420.00
Gas for hoist motor - - -$1.50 per day - - - - - - - - - - - - - -	90.00
Track spikes- -	10.00
Track ties -	25.00
Oil and grease -	20.00
	$1281.65

Equipment, operating repairs, - - - - - - - - - - - - - - - - - -	$ 175.00
Compensation -	84.00
	$ 259.00

Total estimated costs of proposed drift exploration as follows:

Labor -	$4126.00
Material and supplies -	1281.65
Pipe and rail -	300.00
Equipment operating repairs - - - - - - - - - - - - - - - - - - -	175.00
Compensation -	84.00
Use allowance of equipment -	216.00
	$6121.65

Total estimated costs of proposed drift $6121.65

Total estimated costs per/foot of proposed drift of 200 feet---$30.60

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

(7). I am prepared to furnish my share of the proposed project in accordance with the regulations on government participation (Sec. 7, DMEA No. 1).

I propose to furnish my share of the costs through the use of equipment furnished by me and by any money earned through wages or from any production brought about by this agreement. Should the need of additional cash be demanded of me I would be agreeable to furnish my share.

J. L. Starnes

J. L. Starnes

-x-x-x-x-x-x-x-x-x-x-x-x-x-x-

The properties are both locations, consisting of one lode claim and one lode claim extention, each six-hundred feet by fifteen-hundred feet. The necessary tools and equipment such as drilling machine, air-hose, oilers, water-hose, tanks, mine cars, shaft buckets, shiv wheel for gallows frame, dumping plates and frames, hoist, wire cable, toggle chain, dolly car, air receiver tanks, all hand tools such as picks, shovels, sledges, gads, mells, saws, scaling bars, spike bars, single jacks, including all the necessary tools for black-smithings, are at hand. I have to date laid about six-hundred feet of air-line from the compressor to the exploration site. I have a complete core-drilling rig and intend to explore both hanging and foot walls after completion of project.

DOCKET
SURNAME
Hoff
Chapman
Holliday

400

August 25, 1955

MEMORANDUM

To: Administrator, DMEA

From: Iron and Ferro-Alloys Division, DMEA

Subject: Certification of discovery or development
Docket No. DMEA 3286 - Tungsten
J. L. Starnes
Poopout claims
Boulder County, Colorado
Contract No. Idm-R699

Operator: J. L. Starnes (Region III contract)
Dream Canyon, Sugar Loaf Route
Boulder, Colorado

Operator's Property Rights:
Owner of the Poopout and Poopout Extension claims
Amended locations recorded on June 16, 1954, in Book
953, pages 332 and 333 in the records of Boulder County.

Contract:
(a) Executed August 19, 1954
(b) Completion period six (6) months
(c) Work authorized

Preparation of surface site, installation of surface building, and installation of surface equipment	$500.00
Headframe	300.00
Widen and timber 25-foot shaft	700.00
Sink 85 feet	6,375.00
Drift 200 feet northeasterly on 100-foot level	6,000.00
25 tungsten analyses @ $5.00 each	125.00
	$14,000.00

(d) All authorized work was completed by January 12, 1955.

Total cost of the exploration project was $14,000.00, of which the Government contributed $10,500.00 or 75 percent. The Operator's final report was received by the Government on March 25, 1955, and the Field Team's final report on August 15, 1955. A review in lieu of final audit was received May 2, 1955.

Certification:

A certification of discovery was recommended by the Field Team. A certification of discovery or development was issued by this Division on August 31, 1955.

Comments:

The project was established to explore for tungsten in the Boulder district of Colorado. Tungsten ore discovered by project work was estimated by the Field Team as 389 tons of indicated ore, containing 782 short ton units of WO_3.

T. L. Chapman, Acting Chief
Iron and Ferro-Alloys Division

SPHOLT:foc
8-25-55
cc to: Docket
Code 400
Adm. Read. File
Operating Comm.

MME Form 17
Mar. 59

OFFICE OF MINERALS EXPLORATI

~~120~~
~~140~~
~~100~~
220

WORK COMPLETED ANALYSIS

X Certified — After final audit or review report is received, prepare in duplicate. File original in official docket. Send copy to Code 210.

Operator: J. L. Starnes
Actual Cost

State: Colorado
Agreed Unit Cost X

Final Report of Audit
Commodity: Tungsten
Docket No. DMEA-3286

Final Report of Review 2.28.55
Contract No. Idm-E699

Type of Work (Use these categories only)	Authorized by Contract and Amendments		Completed and Paid for		Net cost after sale of Gov't. Property
	Units	Cost 1/	Units	Cost 1/	
	Feet	$	Feet	$	$
Drifting & Crosscutting	200	6,000.00	200	6,000.00	6,000.00
Raising					
Shafts	85	6,375.00	85	6,375.00	6,375.00
Winzes					
Drilling (Specify)					
Surface Excavation		500.00		500.00	500.00
Underground Excavation					
Roads and Trails					
Operating Equipment Purchased					
Surface Rehabilitation & Repairs					
Underground Rehabilitation		700.00		700.00	700.00
New Building, Improvements, etc. Headframe		300.00		300.00	300.00
Other (Specify) Assaying		125.00		125.00	125.00
Totals		$14,000.00		$14,000.00	2/ $14,000.00

1/ Round off to dollars.
2/ Net cost total must agree with final report of audit or review.

Prepared by T. L. Chapman and W. Chamberlain, 1955.
Checked, revised, typed, by
~~Prepared by~~ Stephen P. Holt Date 1.28.63
Stephen P. Holt

52616

MME Form 7
(2/63)

OFFICIAL FILE COPY

Date	Surname	Code
12/4	[illegible]	120M
12/2	[illegible]	800
	[illegible]	120
12/3	[illegible]	110
	[illegible]	100
		220

Mr. J. L. Starnes
2609 Dexter Street
Denver 7, Colorado

DEC 3 - 1964

Re: DMEA-3286 (Tungsten)
J. L. Starnes
Peepout Claims
Boulder County, Colorado
Contract Idm-E699

Dear Mr. Starnes:

By the terms of the subject Exploration Project Contract, as amended, and the certification of discovery or development dated August 31, 1955, all minerals mined or produced from August 19, 1954, to August 19, 1964, 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 subject to the contract or any future production therefrom. We, therefore, are closing our books and records on this contract. Your attention, however, is called to the provisions of the contract which require the Operator to keep and preserve certain records for the periods indicated.

Sincerely yours,

George Fumich, Jr. (gfa)

Acting Director

MMerrithew/mm (12/2/64)
cc: Director's Reading File
Region III w/cy of incoming Form 63 dated 11/3/64
CA&A Division
Docket
Code 120M

23263

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

November 3, 1964

Re: DMEA-3286 (Tungsten)
J. L. Starnes
Poopout Claims
Boulder County, Colorado
Contract Idm-E699

REGISTERED MAIL
RETURN RECEIPT REQUESTED

Mr. J. L. Starnes
2609 Dexter Street
Denver 7, Colorado

Dear Sir:

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

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

Sincerely yours,

George C. Selfridge

George C. Selfridge, Chief
Division of Exploration Operations

OFFICIAL FILE COPY
O. M. E.
RECEIVED NOV 30 1964

DATE	INITIALS	CODE
12/1	[illegible]	800
12/1	[illegible]	~~100~~
		~~110~~
		~~120~~
12/4	[illegible]	120

MME Form 63
Revised 3-62

DMEA-3286
Idm-E699

REQUEST FOR INFORMATION ON CERTIFIED PROJECT AND PROJECT UNDER ROYALTY AGREEMENT

From November 5, 1963, to August 19, 1964

1. ~~[illegible]~~ , 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 [X]

From November 5, 1963, to August 19, 1964

2. ~~[illegible]~~ , has there been any production from the land subject to the contract? Yes [ ] No [X]

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 [X]

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

Disposition of Material	Quantity	Value

Submitted by:

Name J. A. Starnes Title Owner

Address 2609 Dexter Street Date November 19, 1964

Denver 7, Colorado

DMEA 3286

INSTRUCTIONS TO DELIVERING EMPLOYEE

☐ Deliver *ONLY* to addressee ☐ Show address where delivered

(Additional charges required for these services)

RECEIPT

Received the numbered article described on other side.

SIGNATURE OR NAME OF ADDRESSEE *(must always be filled in)*

J. L. Stearns

SIGNATURE OF ADDRESSEE'S AGENT, IF ANY

M. M. Stearns

DATE DELIVERED NOV 7 1964

SHOW WHERE DELIVERED (only if requested)

Hoboken

3286

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

OCT 25 1963

Re: DMEA-3286 (Tungsten)
J. L. Starnes
Poopout Claims
Boulder County, Colorado
Contract Idm-E 699

Mr. J. L. Starnes
2609 Dexter Street
Denver 7, Colorado

Dear Mr. Starnes:

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,

F M Murphy

F. M. Murphy, Acting Chief
Division of Minerals

OFFICIAL FILE COPY
O. M. E
RECEIVED NOV 8 1963

DATE	INITIALS	CODE
11/8	[illegible]	800
		~~100~~
11/12	[illegible]	~~110~~
~~11/12~~	~~Murphy~~	~~500~~
		220

MME Form 63
Revised 3-62

REQUEST FOR INFORMATION ON CERTIFIED PROJECT AND PROJECT UNDER ROYALTY AGREEMENT

1. Since November 26, 1962, has there been a change in ownership, lease, or sublease? If yes, please state details of the transaction below and provide a true or signed copy of the pertinent documents, unless they have been provided before. Yes ☐ No ☒

2. Since November 26, 1962, 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	none	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 J. L. Starnes Title owner

Address J. L. Starnes
2609 Dexter Street
Denver 7, Colorado

Date November 5, 1963

4511

OFFICIAL FILE COPY
O. M. E
RECEIVED JAN 15 1963

DATE	INITIALS	CODE
1/18	[illegible]	800
		~~170~~
	[illegible]	500
11/18	~~[illegible]~~ S.H.H	~~500~~
		220

January 13, 1963

MR. GEORGE FUMICH, JR.
DIRECTOR OFFICE MINERAL EXPLORATION
INTERIOR DEPARTMENT
WASHINGTON 25, D. C.

RE: DMEA -3286 (tungsten)
J. L. Starnes, Poopout Claims, Boulder, Colorado
Contract IDM-E699

DEAR MR. FUMICH:

Would you please acknowledge my correspondence to you under date of December 3, 1962. A copy of such correspondence is enclosed herein for your examination and reference.

My request for such information regarding the above property is prompted by the loss of all records in a fire in Wyoming sometime back. I do hope some assistance in this matter is forthcoming as the shaft is flooded to the collar with water at this time and examination would prove quite costly.

Thanking you for your consideration, I remain,

Very truly yours,

J. L. Starnes, as owner

Data sent 1/11/63

Crossed in mail

December 3, 1962

Mr. George Rumich, Jr.
Director Office Mineral Exploration
Interior Department
Washington 25, D. C.

RE: DMEA-3286 (Tungsten)
J. L. Starnes, Poopout Claims, Boulder, Colorado
Contract IDM-E699

Dear Mr. Rumich:

Mr. Connors, of the Denver office has referred me to you for your attention regarding the above.

I have received various inquiry lately from parties wishing to buy or lease the above property. I do not know what has developed to incite their interest in this property. I most certainly discount the tungsten mineralization.

As owner of the property above, I hereby request copies of all pertinent information pertaining to the above such as maps, reports, assays, reserves and projections or any other information which would assist any program of action.

It is my understanding the governments royalty obligation continues thru 1964. It is my belief that any activity developed on this property would be of the best interest for all parties concerned.

Very truly yours,

J. L. Starnes
owner

JLS:es

COPY

OFFICIAL FILE COPY

Date	Surname	Code
1-11	Holt	500
	Gruwell	500
1/11	Talbot	800
	Eldridge	120
1/11	Johnson	110
1-4	Fumich	100
		220

JAN 1 1 1963

Mr. J. L. Starnes
2609 Dexter Street
Denver 7, Colorado

Re: DMEA-3286 (Tungsten)
J. L. Starnes
Poopout Claims
Boulder County, Colorado
Contract Idm-E699

Dear Mr. Starnes:

In accordance with your request of December 3, 1962, for all pertinent information pertaining to the subject contract, enclosed are copies of the following:

(Operator's) Final Report on the Poopout Mine, Sugarloaf Mining District, Gordon Gulch, Boulder County, Boulder, Colorado. Docket DMEA 3286, Idm-E699.

Assay Report, Charles O. Parker & Co., to J. L. Starnes, February 14, 1955.

Sample Sheet (Map) on the Poopout Mine. Idm-E699. (Shows location of samples listed on assay report).

Reports on the subject project by Government engineers are confidential, for use of the Government only.

Your understanding that the Government's royalty obligation continues through 1964 is not entirely correct. The date of expiration of the royalty period is August 19, 1964, as stated in our letter of September 1, 1955, copy of which letter and of the certification of discovery or development are also enclosed.

Sincerely yours,

George Fumich, Jr.

(Rf)

Director

Enclosures
SPHolt/mm
1-10-63
cc: Director's Reading File
Reg. III w/2 copies of Starnes' ltr of 12/3/62
CA&A Division
✓Docket Code 500

43683

OFFICIAL FILE COPY
O. M. E
RECEIVED DEC 13 1962

DATE		
12/18		200
		120
		500
		220

Building 20 - Federal Center
Denver 25, Colorado

December 11, 1962

Memorandum

To: Fiscal Section, Division of Administrative Services
Office of the Secretary, Department of the Interior
Washington 25, D. C.

From: Acting Field Officer, OME, Region III

Subject: DMEA-3286 (Tungsten)
Contract Idm-E699
J. L. Starnes
(Poopout Claims)
Boulder County, Colorado

Attached is the original Report of Royalty Review dated December 6, 1962 on the subject property covering the period June 16, 1959, through November 26, 1962.

Original signed by

Hugh M. Connors

Attachments
cc Chief, Division of Field Operations, OME
E. D. Talbert, Acting Chief
Contract Administration and Audit Division
Royalty Corres Idm-E699
Chron
HMC/lm

MME Form 7
(10-58)

OFFICIAL FILE COPY

Date	Surname	Code
		220

DEC 6 1962

Memorandum

To: Acting Field Officer, Region III

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

Subject: DMEA-3286 (Tungsten)
J. L. Starnes
Poopout Claims
Boulder County, Colorado
Contract Idm-K699

The original and one copy of a Report of Royalty Review covering the subject contract are enclosed. If you concur in the facts stated therein, please make the following distribution:

(a) Original to the Fiscal Section, Division of Administrative Services, Office of the Secretary, U. S. Department of the Interior, Washington 25, D. C.; and

(b) One copy for your files.

This Report of Royalty Review is made for record purposes only; therefore, no copy for the Operator is provided.

As evidence of your concurrence, a copy of your memorandum transmitting the original report to the Fiscal Section should be furnished this Division. If for any reason you do not concur, both copies of the report should be returned to this Division with your comments.

Enclosures

EDTalbert/ama 12-6-62

cc:
Docket
Director's Reading File
CA & A Division
Fiscal Section

43683

December 3, 1962

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

DATE		
12/6		800
12-6		100
12/6		~~800~~
	Forward	500
12/11	~~Holt~~ S.F.H	~~500~~

Mr. George Fumich, Jr.
Director Office Mineral Exploration
Interior Department
Washington 25, D. C.

Re: DMEA-3286 (Tungsten)
J. L. Starnes, Poopout Claims, Boulder, Colorado
Contract IDM-E699

Dear Mr. Fumich:

Mr. Connors, of the Denver office has referred me to you, for your attention regarding the above.

I have received various inquiry lately from parties wishing to buy or lease the above property. I do not know what has develpoed to incite their interest in this property, I most certainly discount the Tungsten mineralization.

As owner of the property above, I hereby request copies of all pertinent information pertaining to the above such as maps, reports, assays, reserves and projections or any other information which would assist any program of action.

It is my understanding the governments royalty obligation continues thru 1964. It is my belief that any activity developed on this property would be of the best interest for all parties concerned.

Very truly yours,

J. L. Starnes
Owner
2609 Dexter Street
Denver 7, Colorado

JLS:es

Keep me advised. S.F.H.

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

November 19, 1962

Re: DMEA-3286 (Tungsten)
J. L. Starnes
Poopout Claims
Boulder County, Colorado
Contract Idm-E699

OFFICIAL FILE COPY
O. M. E
RECEIVED NOV 28 1962

DATE	INITIALS	CODE
11/28	[illegible]	800
		~~120~~
		~~100~~
		~~110~~
11/29	~~Holt~~ S.P.H	~~500~~

REGISTERED MAIL
RETURN RECEIPT REQUESTED

Mr. J. L. Starnes

Lusk, Wyoming

Dear Mr. Starnes:

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

Any bracket yet?

Not your address, (over)

MME Form 63
Revised 3-62

DMEA-3286
Idm-E699

REQUEST FOR INFORMATION ON CERTIFIED PROJECT AND PROJECT UNDER ROYALTY AGREEMENT

1. Since **February 19, 1960**, has there been a change in ownership, lease, or sublease? If yes, please state details of the transaction below and provide a true or signed copy of the pertinent documents, unless they have been provided before. Yes ☐ No ☑

2. Since **February 19, 1960**, 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 [illegible] Title Owner

Address 2609 Baker Denver 7, Colo Date Nov 26, 1962

4511

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

October 1, 1962

Re: DMEA-3286 (Tungsten)
J. L. Starnes
Poopout Claims
Boulder County, Colo.
Contract Idm-E699

Mr. J. L. Starnes

Lusk, Wyoming

Dear Mr. Starnes:

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

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

Sincerely yours,

W. R. Griswold, Chief
Division of Minerals

MME Form 63
Revised 3-62

DMBA-3286
16m-E699

REQUEST FOR INFORMATION ON CERTIFIED PROJECT AND PROJECT UNDER ROYALTY AGREEMENT

1. Since February 19, 1960, has there been a change in ownership, lease, or sublease? If yes, please state details of the transaction below and provide a true or signed copy of the pertinent documents, unless they have been provided before. Yes ☐ No ☐

2. Since February 19, 1960, has there been any production from the land subject to the contract? Yes ☐ No ☐

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

	Quantity	Value
_____	_____	_____
_____	_____	_____

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

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

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

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

Disposition of Material	Quantity	Value
_____	_____	_____

Submitted by:

Name _____ Title _____

Address _____ Date _____

4511

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

July 27, 1962

Re: [illegible]-3286 (Tungsten)
J. L. Starnes
Poopout Claims
Boulder County, Colorado
Contract Idm-2699

Mr. J. L. Starnes

Lusk, Wyoming

Dear Mr. Starnes:

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

REQUEST FOR INFORMATION ON CERTIFIED PROJECT AND PROJECT UNDER ROYALTY AGREEMENT

1. Since February 19, 1960 , has there been a change in ownership, lease, or sublease? If yes, please state details of the transaction below and provide a true or signed copy of the pertinent documents, unless they have been provided before. Yes ☐ No ☐

2. Since February 19, 1960 , has there been any production from the land subject to the contract? Yes ☐ No ☐

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

	Quantity	Value
_____		
_____	_____	_____

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

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

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

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

Disposition of Material	Quantity	Value
_____	_____	_____

Submitted by:

Name _____ Title _____

Address _____ Date _____

4511

September 15, 1960
Lusk, Wyoming

OME
DEPARTMENT OF THE INTERIOR
SEP 1 ? 1960
REGION III
DENVER, COLORADO

Manager, Land Office
Bureau of Land Management
383 New Custom House
Denver, Colorado

Att: Mr. Bennett, extn. 546

Subject: Poopout
DMEA - IDM 699
DMEA-3v86

Dear Mr. Bennett:

Under date of May 7, 1960, I called to your attention those certain instruments of record and requested from you certain requirements regarding my mining locations and certain powersite regulations.

I have this date been advised from California, that a certain court ruling was decided in favor of the miner.

As this particular property is very valuable and as I have considerable monies invested, I respectfully await your response.

Very truly yours,

J. L. Starnes

JLS:pm

cc. Mr. Hugh M. Connors
Acting Field Officer, OME,
Region 3,
Building 20
Denver Federal Center
Denver, Colorado

Selfridge (2)

OFFICIAL FILE COPY
O. M. E.
RECEIVED SEP 26 1960

DATE	INITIALS	CODE
9-26	gad	990
"	EET	800
9-27	Hoet	500
	SMW	225

OFFICE OF MINERALS EXPLORATION

REGION III

Statement in Lieu of Interim Report
of Certified Project

Reporting Period January 1, 1959 through February 19, 1960

Docket and Contract Number DMEA-3286, Idm-E699 (Tungsten)

Operator J. L. Starnes (Poop-Out Claims)
Boulder County, Colorado

The project has been inactive during the reporting period [x]

Pertinent data relative to the subject contract has remained unchanged since the last report [ ]

Remarks:

Bill Nolan, Watchman for Cold Spring Tungsten, Inc., reported the property has been inactive for several years.

Signed H. M. Connors
H. M. CONNORS

Date February 26, 1960

OFFICIAL FILE COPY
O. M. E.
RECEIVED JAN 25 1960

DATE	INITIALS	CODE
1-25	gad	220
1-25	EEB	800
1/26	Naet	500
		225

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION
Building 20 - Federal Center
Denver 25, Colorado

January 22, 1960

Mr. J. L. Starnes
2800 Walnut Street
Boulder, Colorado

Re: Docket No. DMEA 3236 (Tungsten)
Contract No. Idm-E699
(Poopout claims)
Boulder County, Colorado

Dear Mr. Starnes:

In reference to the "Certification by the United States of America of a Discovery or Development under an exploration Project Contract" and the instructions in the Washington Office letter of transmittal of the Certification on the captioned project, please indicate your answer to the following questions and return one copy of the questionnaire immediately to this office.

Very truly yours,

Original signed by

J. W. Townsend
Executive Officer, OME
Field Team, Region III

1. Has the property been sub-leased or any change made in ownership other than this office has been notified? Yes ___ No___. If yes, please furnish details of the transaction on a separate sheet and include a true or signed copy of any instrument that was executed in conjunction with the matter.

2. Has there been production from the land subordinated under the referenced contract since January 1, 1959 ? Yes___ No___. If yes, and shipments made, who was the purchaser? _____

3. Is any of the following material stockpiled? Yes___ No___.

(a) Ore, Tons _____ Estimated grade _____
(b) Concentrates, lbs. _____ Estimated grade _____
(c) Low grade ore, tons _____ Estimated grade _____
Place stockpiled _____

Signed _____

Title _____ Date _____

HMC:ltm cc: Chmn. Op. Comm. Roy. Corres. E699 Chron.

m 7

OFFICIAL FILE COPY

Date	Surname	Code
6/22	G	220
6/22	WSM	400

JUN 22 1959

Memorandum

To: Mr. Donald T. Finch, OME Auditor

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

Subject: Docket No. DMEA-3286 (Tungsten)
J. L. Starnes
Contract No. Idm-E699

Your Report of Royalty Review on the subject contract is acceptable and distribution of the regional copies is authorized.

EDTalbert/ama
June 22, 1959

Copies to: Docket
Director's Reading File
Code 800

43683

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
224 New Customhouse
Denver 2, Colorado

February 14, 1958

OFFICIAL FILE COPY
DMEA
RECEIVED FEB 19 1958

DATE	INITIALS	CODE
2/19	C	220
19	Com	100
"	[illegible]	110
2/24	EEB	800
		425

Memorandum

To: Chairman, Operating Committee, DMEA

From: Executive Officer, DMEA Field Team, Region III

Subject: Semiannual Report of Certified Project for the period July 1, 1957 to December 31, 1957 Docket DMEA-3286 (Tungsten) Contract Idm-E699, J. L. Starnes (Poopout claims) Boulder County, Colorado

Enclosed are the original and three copies of the subject report prepared in conformance with instructions contained in memorandum of January 6, 1956 from this office, Memorandum 29, and Special Notice in Minutes of Operating Committee Meeting No. 692.

W H King
W. H. King

Enclosures

MHM:jy

cc: Semiannual Report File E699
Harshman
DMEA,DFC (2)
Chron.

DMEA
DEPARTMENT OF THE INTERIOR
FEB 6 - 1958
REGION III
DENVER, COLORADO

DMEA, REGION III

STATEMENT IN LIEU OF SEMIANNUAL REPORT

Reporting Period July 1, 1957 to December 31, 1957
Docket and Contract Number Docket No. 3286, Contract Idm-E699
Operator J. L. Starnes (Poopout claims)

The project has been inactive during the reporting period [X]

Pertinent data relative to the subject contract has remained unchanged since the last report [ ]

Remarks:

Mr. Starnes has been living in Lusk, Wyoming for the past two years and the Poopout has been inactive.

Signed Carl Belser
Carl Belser

Date 1/29/58

UNITED STATES
DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration
224 New Customhouse
Denver 2, Colorado

July 11, 1957

OFFICIAL FILE COPY
DMEA
RECEIVED JUL 15 1957

DATE	INITIALS	CODE
7-18	C	220
18	Com	100

Memorandum

To: Chairman, Operating Committee, DMEA

From: Executive Officer, DMEA Field Team, Region III

Subject: Semiannual Report of Certified Project for the period January 1, 1957 through June 30, 1957
DMEA Docket 3286 (Tungsten)
Contract Idm-E 699, J. L. Starnes (Poopout Claim), Boulder County, Colorado

Enclosed are the original and ~~three~~ Two copies of the subject report prepared in conformance with instructions contained in memorandum of January 6, 1956 from this office, Memorandum 29, and Special Notice in Minutes of Operating Committee Meeting No. 692.

W H King
~~XXXXXXXXXXXX~~
Executive Officer, DMEA
Field Team, Region III

Enclosures
MHM/vj

cc: Semiannual Report File E 699
Royalty File E699
Harshman
DMEA/DFC
Chron.

DMEA, REGION III

STATEMENT IN LIEU OF SEMIANNUAL REPORT

DMEA
DEPARTMENT OF THE INTERIOR
JUN 19 1957
REGION III
DENVER, COLORADO

Reporting Period Jan. 1, 1957 to June 30, 1957
Docket and Contract Number DMEA 3286, Idm-E699
Operator J. L. Starnes
Poopout claim

The project has been inactive during the reporting period [X]

Pertinent data relative to the subject contract has remained unchanged since the last report [X]

Remarks: The property was visited on June 10, 1957

OFFICIAL FILE COPY
DMEA
RECEIVED JUL 15 1957

DATE	INITIALS	CODE

Signed W. J. Tesch Jr.
W. J. Tesch, Jr.
Bureau of Mines

Date
June 11, 1957

UNITED STATES
DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration
Washington 25, D. C.

224 New Customhouse
Denver 2, Colorado

Date: February 28, 1957

Memorandum

To: Chairman, Operating Committee, DMEA

From: Executive Officer, DMEA Field Team, Region III

Subject: Semiannual Report of Certified Project for the period July 1, 1956 through December 31, 1956
DMEA Docket 3286 (Tungsten)
Contract Idm-E 699, J. L. Starnes (Poopout Claim), Boulder County, Colorado

Enclosed are the original and three copies of the subject report prepared in conformance with instructions contained in memorandum of January 6, 1956 from this office ~~and~~ Memorandum 29, and Special Notice in Minutes of Operating Committee Meeting No. 692.

E. N. Harshman

for W. M. Traver
Executive Officer, DMEA
Field Team, Region III

Enclosures
MHM/vj
cc: Semiannual Report File E 699
J. F. Shaw (2)
E. N. Harshman
Chron.

OFFICIAL FILE COPY
DMEA
RECEIVED MAR 4 1957

DATE	INITIALS	CODE
3/5	Cour	100
3/7	C	220

DMEA
DEPARTMENT OF THE INTERIOR
FEB 27 1957
REGION III
DENVER, COLORADO

DMEA, REGION III

STATEMENT IN LIEU OF SEMIANNUAL REPORT

Reporting Period July 1, 1956, to December 31, 1956
Docket and Contract Number Docket DMEA 3286, Idm-E699
Operator J. L. Starnes
Poopout claim, Tungsten, Boulder County, Colo.

The project has been inactive during the reporting period [X]

Pertinent data relative to the subject contract has remained unchanged since the last report [ ]

Remarks:

Property visited February 7, 1957.
Shaft is full of water. Old motor on dump, no other equipment.

OFFICIAL FILE COPY
DMEA
RECEIVED MAR 4 1957

DATE	INITIALS	CODE

Signed

D. E. Redmon

D. E. Redmon
Mining Engineer
U. S. Bureau of Mines

Date

February 26, 1957

UNITED STATES
DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration
Washington 25, D. C.

RECEIVED
OCT 24 1956

224 New Customhouse
Denver 2, Colorado

Date: October 22, 1956

Memorandum

To: Chairman, Operating Committee, DMEA

From: Executive Officer, DMEA Field Team, Region III

Subject: Semiannual Report of Certified Project for the period January 1, 1956 through June 30, 1956
DMEA Docket 3286 (Tungsten)
Contract Idm-E 699, J. L. Starnes (Poopout Claims)
Boulder County, Colorado

Enclosed are the original and three copies of the subject report prepared in conformance with instructions contained in memorandum of January 6, 1956 from this office, ~~and~~ Memorandum 29., and Special Notice in Minutes of Operating Committee Meeting No. 692.

W. M. Traver
Executive Officer, DMEA
Field Team, Region III

Enclosures
MHM/vj
cc: Semiannual Report File E 699
J. F. Shaw (2)
E. N. Harshman
Chron.

DMEA, REGION III

STATEMENT IN LIEU OF SEMIANNUAL REPORT

RECEIVED
DMEA
DEPARTMENT OF THE INTERIOR
OCT 24 1956
OCT 12 1956
REGION III
DENVER, COLORADO

Reporting Period **January 1, 1956 to June 30, 1956**
Docket and Contract Number **DMEA 3286 Idm-E699**
Operator **J. L. Starnes, Poopout claims (Tungsten) Boulder County, Colo.**

	"X" one
The project has been inactive during the reporting period	X
Pertinent data relative to the subject contract has remained unchanged since the last report	

Remarks:

Shaft has water to 30 foot from collar. All machinery has been removed. Hoist drum is on the dump, and hoist engine is below dump. Inspected October 10, 1956

Signed Carl Belser
Carl Belser
Mining Engineer

Date
October 12, 1956

328b

ACTION ON INT[illegible]M
OR FINAL FIELD TEAM REPORT

Date 10/24/56

Referred to:

~~1. Mr. Mittendorf~~
~~2. Mr. Johnson~~
~~3. Mr. Chambers~~
4. Docket Control Mails and Files
5. _____ Division
6. Docket Control Mails and Files

Note comments in report regarding:

1. 'Peopout' is good name
2.
3.
4.

and take appropriate action.

- - - - - - - -

Action taken by Division:

Robert E. Adams

DEFENSE MINERALS EXPLORATION ADMINISTRATION

Division of Iron and Ferro-Alloys ~~XXXXXXX~~ Date February 4, 1958

Semi-Annual Report - Certified Project Date December 31, 1955

DMEA No. 3286 Operator J. L. Starnes Contract No. Idm-E 699

Ore Reserves

Ore Estimates	Tons	Analysis
Original (DMEA)	389 *	"About 2% WO_3"- 782 units WO_3
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

* Inserted from Final Report of F. T. (SPH)

There has been no work at the property since the completion of project operations on January 15, 1955.

UNITED STATES
DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration
Washington 25, D. C.

224 New Customhouse
Denver 2, Colorado

Date: May 15, 1956

Memorandum

To: Chairman, Operating Committee, DMEA

From: Executive Officer, DMEA Field Team, Region III

Subject: ~~Semiannual~~ Report of Certified Project for the period January 15, 1955 through December 31, 1955
DMEA Docket 3286 (Tungsten)
Contract Idm-E 699 J. L. Starnes (Poopout claims)
Boulder County, Colorado

Enclosed are the original and three copies of the subject report prepared in conformance with instructions contained in memorandum of January 6, 1956 from this office and Memorandum 29.

W. M. Traver
Executive Officer, DMEA
Field Team, Region III

Enclosures

RDB/vj
cc: Semiannual Report File E 699
Royalty File E699
J. F. Shaw (2)
E. N. Harshman
Chron.

RECEIVED
MAY 17 1956

Semi-Annual Report of Certified Projects

DMEA
Date Rec'd.
APR 30 1956
BUREAU OF MINES
Denver, Colorado

Reporting Period January 15, 1955 to December 31, 1955

Docket and Contract Number DMEA 3286 Idm-E699

Operator J. L. Starnes

Commodity Tungsten

Mine Name Poopout claims

County and State Boulder County, Colorado

Date of Contract August 19, 1954

Date of Certification August 31, 1955

Expiration Date of Royalty Payments August 19, 1964

Date of Examination for this Report April 5, 1956

Total Amount of Contract $14,000.00

Total Expenditures under Contract $14,000.00

Amount of Government Participation at 75 % $10,500.00

Royalty Payments this Period None

Previous Royalty Payments None

Total Royalty Payments to Date None

% Loan Repayment Completed 0%

RECEIVED
MAY 17 1956

Amount of Royalty Due None

Royalty Remarks

Original Estimate of Reserves
(from Final Engr.-Geol. Report): 782 s.t.u. WO_3

Increase of Reserves by work performed subsequent to expiration or termination of contract: None

Revised Estimate of Reserves:

Production this Period (Ore or Concentrates) None

Amount of Previous Production (since date of contract) None

Total DMEA Production to date None

% of Revised Reserves Mined 0%

Production Remarks: There has been no work at the property since the completion of project operations on January 15, 1955.

Note: On Uranium projects check with AEC to assure that our records are in agreement with theirs.

Other Remarks:

Signed R. L. Bolmer (Engineer)
R. L. Bolmer

Docket
Talbert

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

SEP 15 1955

Mr. Thomas H. Breding
DMEA Auditor
224 New Customhouse Building
Denver 2, Colorado

Re: J. L. Starnes
Contract Idm-E699
Docket No. DMEA-3286

Dear Tom:

Reference is made to your letter of September 12, 1955, in reply to mine of August 31, 1955, relative to the release of the Report of Review covering the subject project.

Your comments on the monthly Work Load Reports to the effect that release was being held for the engineer's final report have been interpreted by this Division as indicating that the MF-104's had been reviewed, the Report of Review had been drafted but not typed, and that the engineer's final report was required for satisfactory verification of the units of work performed. Apparently, however, you have had the reports typed and dated prior to a confirmation of the units of work performed.

In no other DMEA region do we find it necessary as a matter of general procedure to withhold release of Reports of Review pending the availability of the engineer's final report. Since Region III (and no other region) has a procedure whereby very comprehensive interim reports from the engineers are attached to the monthly forms MF-104, it would seem that there would be less need for holding the Report of Review for release of the engineer's final report which may be delayed for any number of technical or administrative reasons. It should be noted that in the Report of Review format (page 68 of the Audit Manual) the second paragraph had a blank space (identified as "J"), for insertion of the applicable explanation (see comments at the bottom of page 69).

The date of a Report of Review, as well as an Audit Certificate, should be the date that the Report is signed by the auditor and either released to the Field Team or submitted to this Division for approval, as may be required in the circumstances. Of course a date slightly in advance of such signing and release or submission, to allow for typing time, is acceptable. Therefore, it is my suggestion, that you withhold typing of Reports of Review until you have performed all the work incident thereto including verification to your satisfaction

R.C.G.

of the units of work performed. In case it is advantageous to have the Report of Review typed prior to that you may consider adequate verification, then the date should be left blank by the typist and inserted by you at the time of signature.

In regard to the last paragraph of your letter, I see no need for the formality of a transmittal letter to the Executive Officer. A reference or back-slip appears sufficient. However, this is a matter in which you have "free rein".

Sincerely yours,

(Signed) E. D. Talbert

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

EDTalbert/wb
September 15, 1955

Copy to: Docket
Admr. Reading File
Mr. Chambers

Docket

9/15/55

MEMORANDUM FOR FILE:

Re: DMEA 3286 - Tungsten
J. L. Starnes
Contract No. Idm-E699

DMEA 3735 - Uranium
(denied)

Certification of Discovery or Development dated 8/31/55 was mailed with transmittal letter of 9/1/55 to J. L. Starnes, 2800 Walnut Street, Boulder, Colorado. The correspondence was returned "Unclaimed" and "Not here" by Post Office Department.

It developed that Code 700 had a more recent address for J. L. Starnes as a result of his submitting a uranium application. Therefore, the 9/1/55 letter and Certification, with previous envelope, were enclosed in a new envelope and mailed to J. L. Starnes, 1962 South Sherman, Denver, Colorado, which by the file on DMEA 3735 was his address as late as August 8, 1955.

ls

DOCKET
Surname:
Holt
Chapman
Talbert
Yoyes
Kilgaard
Selfridge

SEP - 1 1955

Mr. J. L. Starnes
2800 Walnut Street
Boulder, Colorado

Re: Docket No. DMEA 3286 - Tungsten
Foopout claims
Boulder County, Colorado
Contract No. Idm-E699

Dear Mr. Starnes:

Transmitted herewith is a certification of discovery or development issued under the subject contract which was executed August 19, 1954.

By the terms of the exploration project contract and of the certification, all production from the lands described in the referenced contract from the date of the exploration project contract is subject to the Government's percentage royalty as set forth in the contract until the sum of $10,500.00 is paid or until August 19, 1954, whichever occurs first.

Payments should be made to Mr. W. M. Traver, Executive Officer, DMEA Field Team, Region III, 224 New Custom House, Denver 2, Colorado. 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 check direct to the Executive Officer. Royalty payments to the Government should be accompanied by suitable evidence, such as copies of settlement sheets, showing quantity and grade of the tungsten 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. Traver 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 any extended period, please notify Mr. Traver at 6-month intervals that no production has been made, when that is the case.

Sincerely yours,

C. O. Mittendorf

Administrator

cc: Docket
Code 400-Martin
Code 800-Chambers
Code 110-Johnson

Enclosure

cc: Oper. Committee
Adm. Read. File
FT, Reg. 3
Thor Kiilsgaard, USGS

cc: R. W. Geehan, USBM
Robt. Holliday, USBM
C. A. Fredell, Act.Dir., EPS, GSA

FARutledge/ls
8/25/55

400

DOCKET
Surname:
Holt
Chapman
Fackrell
Yoss
Kiilsgaard
Selfridge

SEP - 1 1955

Mr. C. A. Fredell, Acting Director
Materials Division
Emergency Procurement Service
General Services Administration
Washington 25, D. C.

Re: Docket No. DMEA 3286-Tungsten
J. L. Starnes
Poopout claims
Boulder County, Colorado
Contract No. Idm-E699

Dear Mr. Fredell:

Enclosed is a copy of a certification of discovery or development issued under the subject contract.

Contract No. Idm-E699 executed August 19, 1954, authorized the expenditure of up to $14,000.00 for the exploration of the Poopout claims. The Government's share of this amount at 75 percent was $10,500.00. The exploration project was completed January 12, 1955, with expenditure of all authorized funds. The Government's contribution to the exploration costs, therefore, was $10,500.00.

Work completed was:

(a) The preparation of a surface site, erection of surface building and installation of equipment and headframe.
(b) Widening and timbering 23 feet of shaft.
(c) Sinking 85 feet of shaft.
(d) Drifting 200 feet from new bottom of shaft.

The object of the work was to explore at depth for tungsten ore bodies indicated by surface exposures and cuts, and by mine workings near surface.

The Field Team reported that the project work resulted in a discovery of significant tungsten ore reserves, 389 tons of indicated ore containing 782 short ton units of WO_3.

Sincerely yours,

C. O. Mittendorf

Administrator

cc: Docket
Code 400-Martin
Code 800-Chambers
Code 110-Johnson
Enclosure
Oper. Comm.
Adm. Read. File

cc: Robt. Holliday, USBM
R. W. Geehan, USBM
Thor Kiilsgaard, USGS
FT, Reg. 3

SPHolt/ls 8/25/55

R.G.

DOCKET
SURNAME
Holt
400 Chapman
Talbot
Selfridge

SEP - 1 1955

Mr. W. H. Trever, Executive Officer
DMEA Field Team, Region III
224 New Custom House
Denver 2, Colorado

Re: Docket No. DMEA 3286 - Tungsten
J. L. Sturnes
Prospect claims
Boulder County, Colorado
Contract No. Idm-8699

Dear Mr. Trever:

Enclosed are copies of a certification of discovery or development for the above-noted property and of related correspondence.

Sincerely yours,

George C. Selfridge
Chairman, Operating Committee (GHB)

Enclosure

APPROVED:

P. F. Yopes (GHB)
Member, Bureau of Mines

Thor H. Kiilsgaard (GHB)
Member, Geological Survey

SPHolt:fcc 8-25-55
cc to: Docket
Code 400
Adm. Read. File
Operating Comm.
FT. REG. III
Messrs. Johnson - Code 110
Chambers - Code 800
Geehan - USBM
Holliday - USBM
Kiilsgaard - USGS

R.S.J.

IN REPLY REFER TO:

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

RECEIVED
SEP - 1 1955

August 31, 1955

Re: DMEA-3286, Idm-E699
J. L. Starnes
Poopout Vein
Boulder Co., Colo.
$14,000 - Tungsten

Memorandum

To: W. S. Martin, Defense Minerals Exploration Administration

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

Subject: Review of Final Field Team report.

The vein explored under this contract is in one of the most productive tungsten (as ferberite) sections of the Boulder County tungsten district.

The work consisted of 85 feet of shaft, from 23 to 108 feet, and 200 feet of drifting on the 100-foot level. The work partially developed three small ore shoots, estimated to contain:--

A	295 tons	at 2.2% WO_3,	649 units
B	62.5 "	at 1.11% "	69.4 "
C	31.2 "	at 2.03% "	63.3 "

The largest ore shaft shoot is less than 100 feet from the southwest end line of the property.

The project work resulted in a discovery and I concur with the recommendation of the Field Team that a Certificate of Discovery be issued.

N. E. Nelson

N. E. Nelson

Talbert

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

AUG 31 1955

Mr. Thomas H. Brading
DMEA Auditor
224 New Customhouse
Denver 2, Colorado

Re: Contract No. Idm-E699
Docket DMEA-3286
J. L. Starnes

Dear Mr. Brading:

The attention of this Division has been called to a memorandum dated May 3, 1955 from Mr. Traver to Mr. Christenson wherein it is stated that final payment under the subject contract should be made on a basis "which is in conformance with the Report of Review by the Contract Administration and Audit Division dated February 28, 1955 which was released to this office April 29, 1955."

The quoted statement has been interpreted as indicating a two month's delay by this Division in effecting release of the Report of Review. It is noted, however, that the Washington copies of the Report of Review were not received until May 2, 1955.

It is presumed that you withheld release of this report pending verification of the number of units of work performed. If this is true the Report should have borne the date that your review and verification was completed. Otherwise, the Report should have been released to the Field Team promptly after February 28, 1955.

Please check into this matter and advise me as to the facts and the steps taken to avoid a recurrence of this situation whereby this Division is charged with the responsibility for the delay in settlement.

Sincerely yours,

(Signed) E. D. Talbert

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

EDTalbert/wb
August 31, 1955

Copy to: Docket
Admr. Reading File
Mr. Chambers

R.C.S.

FILE COPY 400
Surname:

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

Holliday
Davis

August 29, 1955

Memorandum

To: Chief, Branch of Ferrous Metals and Ferroalloys

From: Commodity Industry Analyst

Subject: DMEA 3286 - Tungsten
J. L. Starnes
Poopout Claims
Boulder County, Colorado
Certification of Discovery

Work involved installation of surface plant, sinking 85 feet of shaft, drifting 200 feet, sampling 25 samples and analyses. Cost was $14,000 and Government participation $10,500.

It appears that the estimate of indicated ore (389 tons containing 782 short ton units) is conservative and issuance of this certification is recommended.

R. W. Holliday

RWHolliday/jbr

Copy to Div. of Minerals (Mr. Geehan)
Ferrous Metals
Mr. Holliday
Files

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

224 New Customhouse
Denver, Colorado

August 10, 1955

RECEIVED
AUG 15 1955

Memorandum

To: Secretary, Operating Committee, DMEA

From: DMEA Field Team, Region III

Subject: Docket DMEA 3286 (Tungsten), Contract Idm-E699, J. L. Starnes, Poopout Claims, Boulder County, Colorado

Enclosed are the following final reports covering work completed under the exploration project contract:

1. Original and one copy of the Operator's final report.

2. Original and three copies of a joint engineering and geologic report by the Bureau of Mines and Geological Survey.

Final payment to the Operator was processed by this office on May 3, 1955 in conformance with the Report of Review by the Contract Administration and Audit Division released to this office on April 29, 1955.

FIELD TEAM FINAL REPORT

The exploration work consisted of 85 feet of shaft sinking and 200 feet of drifting. The Poopout shaft was deepened from 23 feet to 108 feet and the 200 feet of drifting explored the Poopout vein northeast of the shaft on the 100-foot level. Accepted project costs totaled $14,000.00 with Government participation at 75 per cent, or $10,500.00.

The project work resulted in a discovery of significant tungsten ore reserves, 389 tons containing 782 short ton units of WO_3, and Certification of Discovery is recommended.

W. M. Traver

W. M. Traver

E. N. Harshman

E. N. Harshman

Enclosures

DMEA Field Team, Region III

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
Defense Minerals Exploration Administration
Denver Federal Center
Denver, Colorado

IN REPLY REFER TO:
DMEA
Date Rec'd.
AUG 9 1955
BUREAU OF MINES
Denver, Colorado

RECEIVED
AUG 15 1955

August 8, 1955

Memorandum

To: Executive Officer, DMEA Field Team, Region III

From: E. N. Harshman
John F. Shaw

Subject: DMEA Docket 3286 (tungsten), Contract Idm-E699, J. L. Starnes, Poopout claims, Boulder County, Colorado. Final project report

Enclosed are the original and 8 copies of a joint final engineering and geologic report describing the results of exploration completed under the subject project.

Work started in August 1954 and was completed in May 1955. The Poopout shaft was deepened from a depth of 23 feet to a depth of 108 feet and 200 feet of drifting was done on the Poopout vein northeasterly from the shaft on the 100-foot level.

Exploration resulted in the discovery of an estimated reserve of 389 tons of ore containing 782 short ton units of WO_3.

Although certification of a discovery is recommended, additional exploration, with Government assistance, does not appear warranted at this time.

E. N. Harshman
E. N. Harshman
Member, Field Team

John F. Shaw
John F. Shaw
Supervising Mining Engineer

Enclosures (9)

Reviewed by
DMEA OPERATING COMMITTEE
8-19-55
(date)

UNITED STATES
DEPARTMENT OF THE INTERIOR
DOUGLAS McKAY, SECRETARY

DEFENSE MINERALS EXPLORATION ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM
REGION III

FINAL GEOLOGIC AND ENGINEERING REPORT

DMEA 3286, Exploration Project Contract Idm-E699

Poopout Claims

J. L. Starnes

Boulder County, Colorado

Tungsten

D. R. MacLaren, Geologist
and
J. E. O'Rourke, Geologist
Geological Survey

R. L. Bolmer, Mining Engineer
Bureau of Mines

Reviewed by
DMEA OPERATING COMMITTEE
8-19-55
(date)

August 5, 1955

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3. Plan and section showing workings, geology, and completed exploration, Poopout claims, Boulder County, Colorado	7
4. Plan of 100-foot level and section through shaft, Poopout mine, Boulder County, Colorado	8

DMEA 3286
Contract Idm-E699

POOPOUT CLAIMS
J. L. STARNES
BOULDER COUNTY, COLORADO

FINAL ENGINEERING AND GEOLOGIC REPORT

By

D. R. MacLaren, J. E. O'Rourke, and R. L. Bolmer

SUMMARY AND INTRODUCTION

The tungsten exploration project authorized at the Poopout claims, Boulder County, Colo., under Exploration Project Contract Idm-E699 was completed January 15, 1955. Project exploration resulted in the discovery of small but significant reserves of tungsten ore and a certification to that effect by the Government, as provided for under the terms of the contract, was recommended. Further exploration of the property with Government assistance was not considered warranted.

8/8/55 copy
Mag

Application for Government assistance in an exploration project at the Poopout property (Docket No. DMEA 3286) was submitted to the DMEA Field Office, Denver, Colo., in March 1954. The applicant and owner of the property, J. L. Starnes of 2800 Walnut Street, Boulder, Colo., proposed deepening by 100 feet a shallow shaft on the Poopout vein and drifting 200 feet northeasterly on the vein at the new depth. His estimate of the total cost of the proposed work was $14,252.65.

The property was inspected initially on April 6, 1954, by an examining team from the Bureau of Mines and the Geological Survey and

again on May 10, 1954, after the applicant had clarified certain details regarding his property rights and had definitely decided upon what work Government assistance was being sought and in what manner it would be carried out.

The examining team concluded that the Poopout vein was a narrow but continuous structure occurring in favorable host rocks within a productive area of the Boulder County tungsten district. The vein contained scattered tungsten mineralization which, in one exposure at least, was of commercial grade. It was concluded that the deposit warranted deeper exploration and that there was a fair chance of making a significant discovery through such work. Exploration as proposed by the applicant, with only slight modification was considered feasible. An exploration project involving certain preparatory work, 85 feet of shaft sinking, and 200 feet of drifting was recommended at an estimated total cost of $14,000.00. The recommended project subsequently was approved by the DMEA Field Team, Region III, and Exploration Contract Idm-E699 authorizing the modified program was prepared on the short form MF-200(A).

The contract, dated August 19, 1954, was between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration and J. L. Starnes. The agreement was 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." The agreed estimated total costs of the project, in which the Government would participate to the extent

of $10,500.00, were $14,000.00. The Government would pay 75 percent of certain agreed costs, as they accrued, for units of work actually performed according to the specifications stipulated in the contract. Starnes, the operator under the contract, agreed to commence work on a project of exploration for tungsten on the Poopout claims within 30 days and to bring the project to completion within a period of six months.

Project work was divided into two stages. Stage I provided for the preparation of a site for the surface plant, the construction of a suitable shelter building, and the installation of the surface equipment at a unit price of $500.00 for the complete job. It authorized the erection of a suitable headframe and the widening of the existing shallow shaft to standard cross section at unit prices of $300.00 and $700.00, respectively, for the complete jobs. Sinking the existing shaft an additional 85 feet on the Poopout vein at a unit price of $75.00 per foot also was allowed under the first stage. Stage II of the project, which required the prior approval of the Field Team, permitted 200 feet of drifting along the vein from a 100-foot depth in the shaft at a unit price of $30.00 per foot. Twenty-five tungsten assays, at a unit price of $5.00 each, also were authorized under Stage II.

Initial work under the contract commenced August 23, 1954. All of the work authorized under Stage I of the project had been completed by mid-November 1954. The vein had continued to show spotty tungsten mineralization to the completed depth of the shaft, and the Field Team, therefore, allowed the operator to start the lateral exploration authorized under Stage II of the contract. The second stage work was completed

January 15, 1955, after which time, the operator removed all equipment from the property and allowed the underground workings to flood.

All of the units of work authorized for the project were completed in the manner specified in the contract. Project costs totaling $14,000.00 - equivalent to the completed and authorized units of work at their respective agreed upon unit prices - were reported by the operator and accepted by the Government. The operator was reimbursed for 75 percent of the accepted project costs, or for a total of $10.500.00. An amount of $100.00, withheld from reimbursement to the operator pending receipt of his final project report and the release of the Report of Review by the Contract Administration and Audit Division, was paid May 10, 1955.

The Poopout vein exposed through project work was narrow, and the occurrences of tungsten mineral along the structure were discontinuous and limited in extent. The ore reserves indicated on the vein as a result of project exploration were estimated as 389 tons averaging about 2 percent tungsten trioxide. The operator, at some future date, intends to reactivate the property and mine the discovery.

LOCATION OF PROPERTY

The Poopout claims are located in sec. 34, T. 1 N., R. 72 W., 6th principal meridian, Sugar Loaf Mining District, Boulder County, Colo. (fig. 1). The claims are in Gorden Gulch about one-eighth mile north of the junction of Gorden and North Boulder Creeks. Boulder, Colo., the nearest commercial center, is 7 miles due east of the

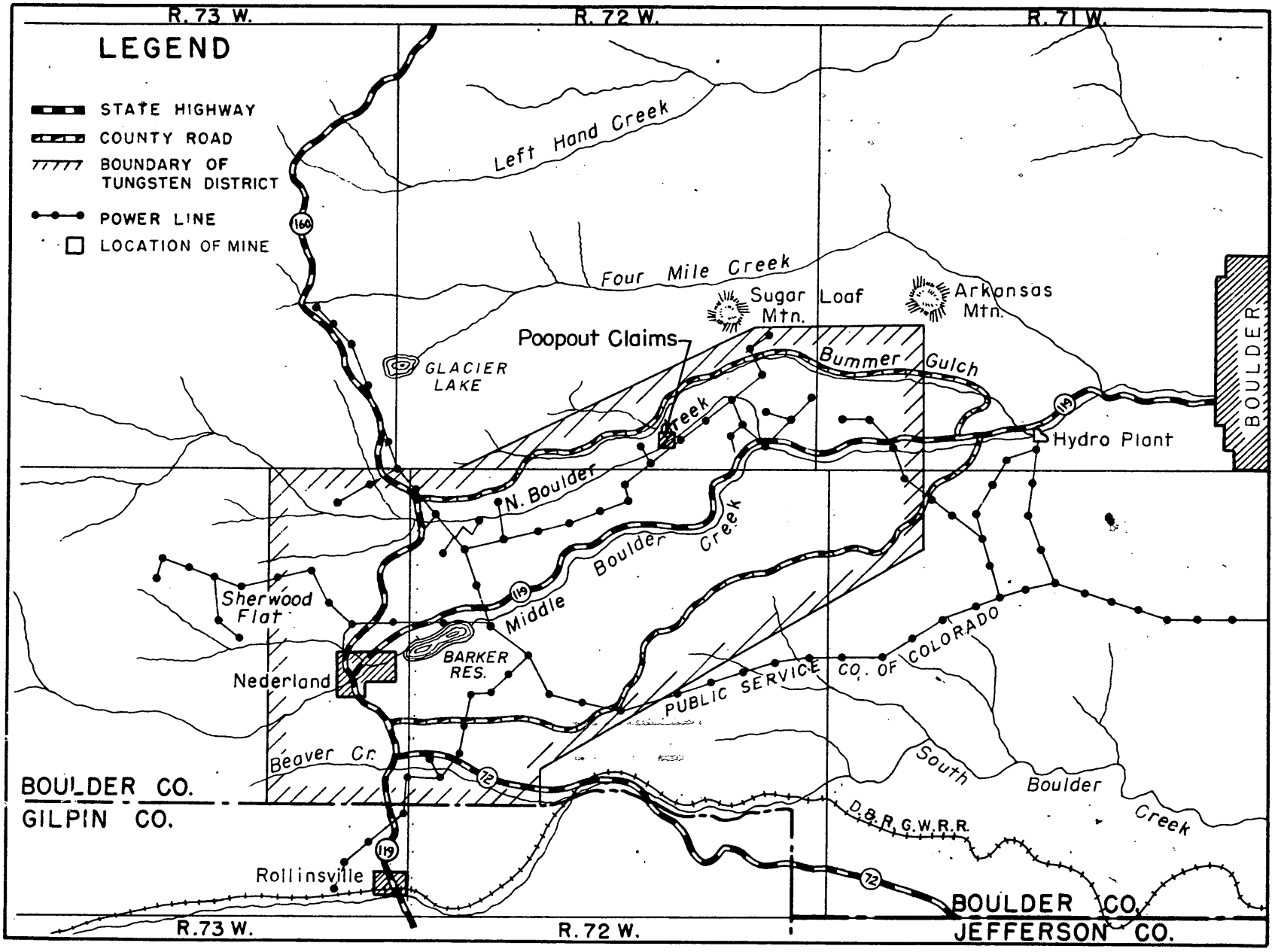


FIGURE 1 - LOCATION MAP, POOPOUT CLAIMS, BOULDER COUNTY, COLO. (J.L. STARNES, DME A 3286, CONTRACT Idm-E699)

property. The property is accessible from the Sugar Loaf road which branches from State Highway 119 about 5 miles west of Boulder, Colo., or from State Highway 160 about 4 miles north of Nederland, Colo. The secondary road through Gorden Gulch crosses the property about one-half mile south of its junction with the Sugar Loaf road. The elevation of the property, at Gulch level, is about 7,600 feet.

HISTORY AND PRODUCTION

Nothing is known of the early history of the property. Reportedly, it was worked for a short period prior to World War I and then abandoned. The old surface pits and adits along the outcrop of the Poopout vein indicate that a small tonnage of tungsten ore may have been produced.

Starnes relocated the property March 12, 1954. He cleaned out and examined the old workings and sank a 23-foot shaft on the vein near the southwestern end of the Poopout claim. The vein exposed in the shaft contained a narrow streak of ferberite, and the few tons of ore produced by this work were marketed before the start of contract exploration.

OPERATOR'S PROPERTY RIGHTS

The property described under Article 2 of the contract, the unpatented Poopout and Poopout Extension lode mining claims, is shown on figure 2. Amended location certificates for the two claims were recorded in the name of the operator on June 16, 1954 in Book 953 at pages 332 and 333 in the records of Boulder County.

The amended locations, as shown on figure 2, principally overlap two patented claims (Gorden Gulch placer and Fraction lode mining claim) and one prior location (Wildwood lode mining claim). Only the approximate boundaries of the Wildwood claim are shown on figure 2. The operator obtained a lease and later a quitclaim deed from the owners of this claim for that area in which it is in conflict with the Poopout claim.

The Poopout vein outcrops along the centerline of the Poopout claim. Its surface outcrop is exposed for a few hundred feet along the southwestern end of this claim. The structure apparently extends southwesterly onto the Gorden Gulch placer and may project still farther in this direction onto the Poopout Extension claim.

The eastern side line of the Gorden Gulch placer coincides with the western end line of the Poopout claim. The shaft, which was deepened under the exploration project, is on the Poopout vein at a point approximately 100 feet inside the western end line of the Poopout claim. Contract exploration of the vein extended 200 feet northeasterly from the shaft.

GEOLOGY

The tungsten district of Boulder County, Colo., is a narrow belt about 10 miles long on the east flank of the Front Range about 30 miles northwest of Denver. Most of the district is underlain by quartz monzonite of the Precambrian Boulder Creek batholith and gneisses and schists of the Idaho Springs formation. The ore deposits

are quartz-ferberite veins up to 3 feet thick that follow extensive faults of Laramide age. Most of the ore has been taken from shoots that have been formed at places where the dip and/or strike of the vein changes, where the vein crosses dikes, or at vein intersections. The ore ranges in grade from 1 to 20 percent WO_3.

The Poopout mine (fig. 3) is in an area of Boulder Creek granite and is on a fissure vein striking N. 41° - 45° E. and dipping vertically to 84° S. The fissure has been filled by lenses of ferberite and horn quartz in a gangue of quartz and silicified granite. Prior to the start of the DMEA exploration program, two trenches, two short and partly caved tunnels, and a 23-foot deep shaft exposed portions of the vein for a horizontal distance of about 160 feet and a vertical distance of about 75 feet (fig. 3). The first 25 feet of the upper tunnel has either caved or been stoped to the surface. A small vein of horn quartz, up to 1 inch wide, is in the tunnel back at the present portal but dies out within about 5 feet. A portion of the upper tunnel bottom, about 20 feet long and now filled with waste or debris, is said by the applicant to be a shallow underhand stope. The lower tunnel has caved or been mined to the surface for a distance of about 40 feet. From the present portal a vein of horn quartz up to 3 inches wide extends along the tunnel back for a distance of about 18 feet. Below the floor of the tunnel is an underhand stope about 20 feet long. The stope bottom slopes steeply from the drift floor at the west end to a depth of about 9 feet below the floor at the east end. Near the original portal of the lower tunnel a shaft followed the vein to a depth of 23 feet.

U. S. DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration

RECEIVED
MAY 31 1956

224 New Customhouse
Denver 2, Colorado

Date: May 25, 1956

Memorandum

To: Chairman, Operating Committee, DMEA

From: Executive Officer, DMEA Field Team, Region III

Subject: Royalty payments, Docket DMEA 3286 (Tungsten), Contract Idm-E699, J. L. Starnes (Poopout claims), Boulder County, Colorado

Period: March, 1956

During the above month the following royalty payments were received for ore or concentrates shipped from the subject property:

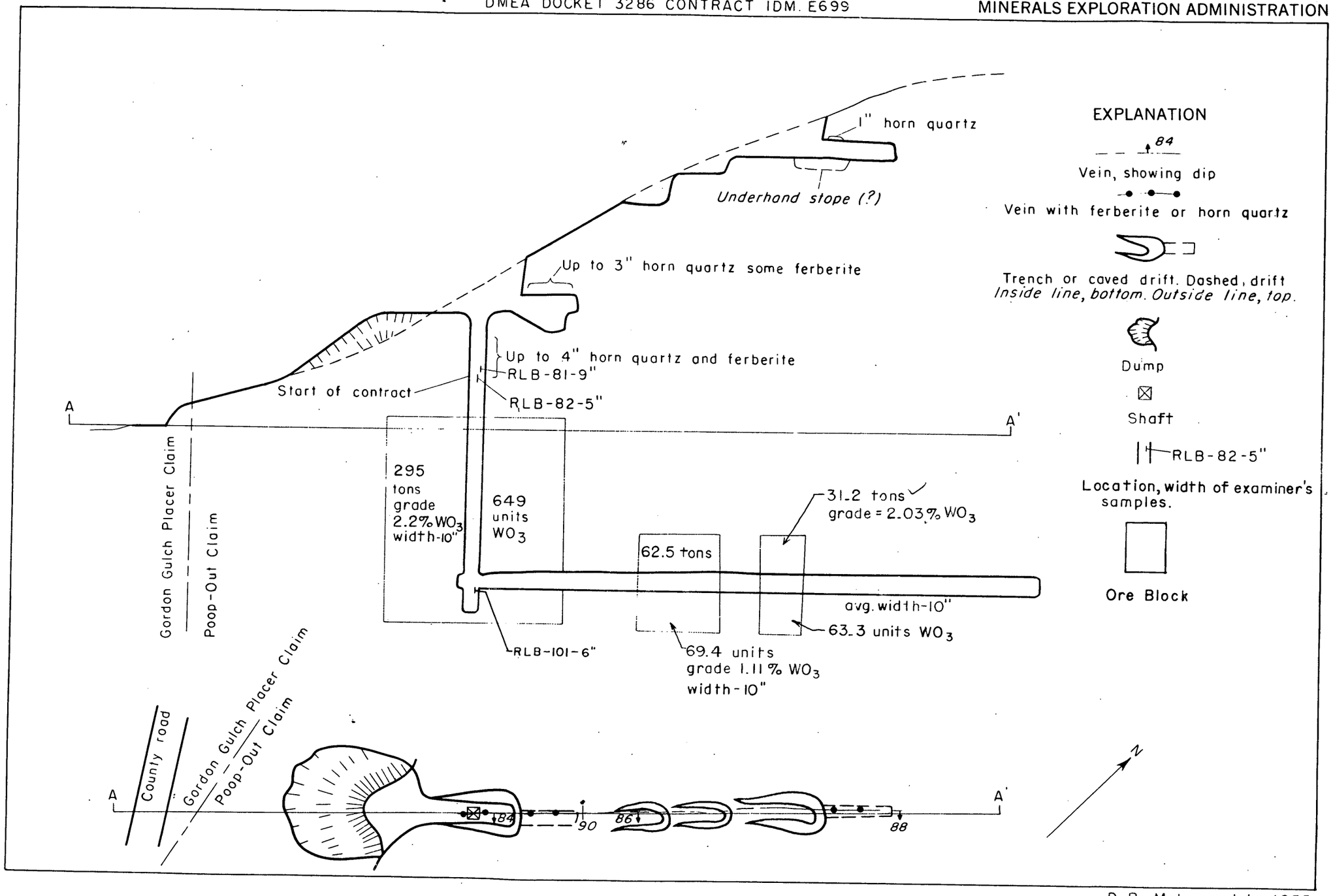
Date	Lot No.	Dry Tons	Royalty Due	Royalty Paid	Bonus Roy. Due	Bonus Roy. Pd.
			(NONE)			

Totals:

Past Due Royalties Collected	None
Total Dry Tons (Ore or Cons.) Shipped to Date	None
Expiration Date of Royalty Repayment	August 19, 1964
Amount of Government Participation	$10,500.00
Total Royalty Payments to Date	None
Percent of Loan Repayment	----

for W. M. Traver

vj
cc Royalty File E699 w/Settlement Sheets
Monthly Royalty Payment File
J. F. Shaw (2)
Chron.



D. R. McLaren July 1955

FIGURE 3 PLAN AND SECTION SHOWING WORKINGS, GEOLOGY AND COMPLETED EXPLORATION
POOPOUT CLAIMS BOULDER COUNTY, COLORADO

40 0 40 Feet

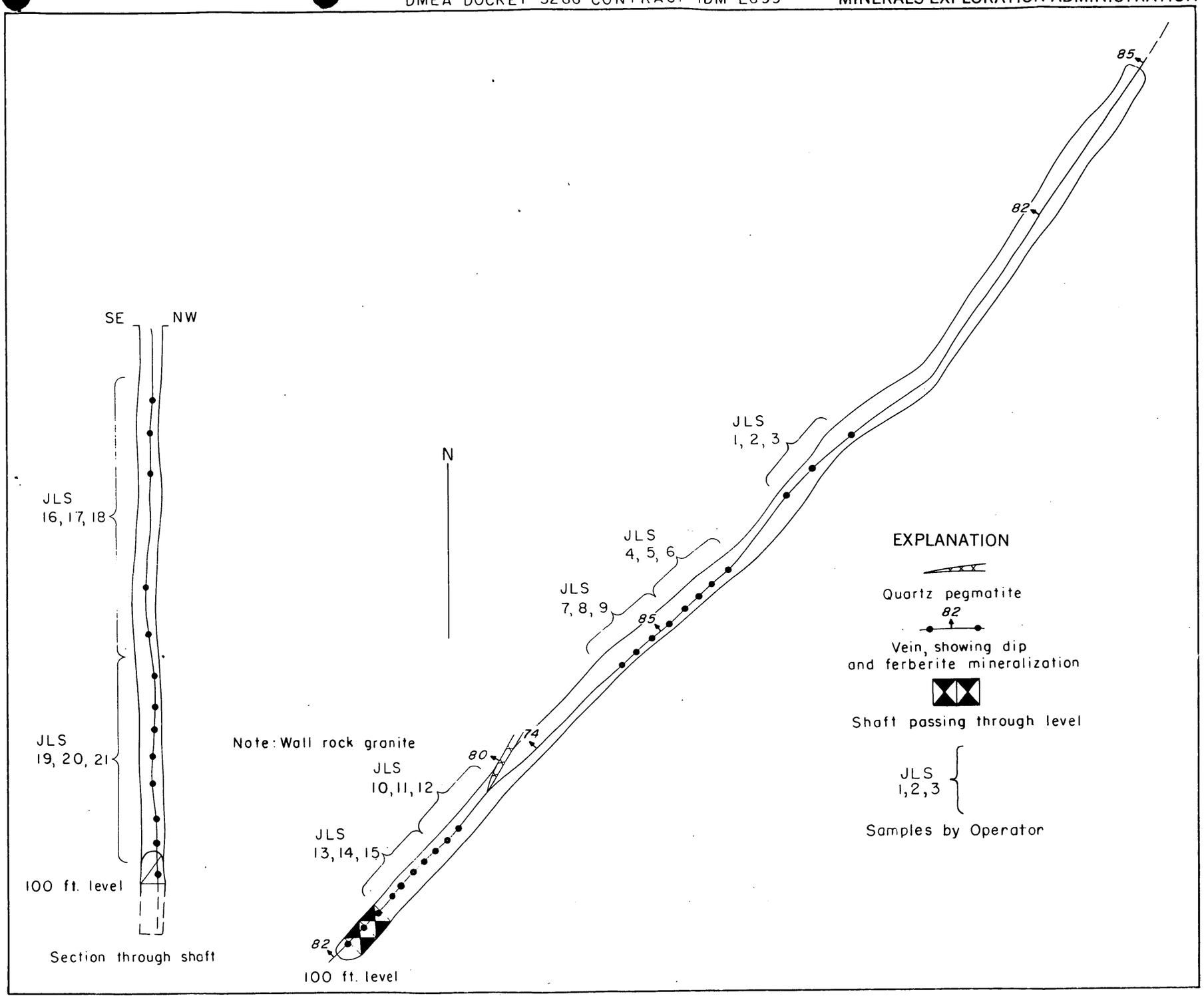


FIGURE 4-PLAN OF 100 FOOT LEVEL AND SECTION THROUGH SHAFT POOPOUT MINE, BOULDER COUNTY, COLORADO

JULY 1955

20 10 0 20 Feet

With the assistance of a DMEA loan, the shaft was deepened to 108 feet, and a drift 200 feet long was driven northeastward on the vein from a point 99 feet below the shaft collar (fig. 4).

From 0 - 10 feet in the shaft the vein consists of thin stringers of barren quartz. From a depth of about 10 feet to 30 feet the vein, 3 inches to 1 foot wide, is strong and contains a few short narrow stringers of ferberite on both walls. From 30 to 40 feet the vein becomes very tight, at times almost pinching out. It contains streaks of horn quartz but no identifiable ferberite. Along the west wall the vein starts to widen at 40 feet, reaching a maximum width of about 1 foot, and at 45 feet there are a few nodules of ferberite that become more numerous proceeding downward. On the east wall the vein starts to widen at a depth of about 40 feet and from 40 to 45 feet the vein contains about 2 inches of horn quartz in a shattered quartz porphyry. At 65 feet the vein, which is mostly horn quartz with a few ferberite streaks, is stained by brown iron oxide. From 80 to 99 feet the vein is strong along both walls and contains ferberite in nodules and in streaks up to one-half inch wide and several feet long. The operator states that the vein continues strong to the bottom of the shaft, but as water is allowed to collect in the sump (9 feet deep), this could not be checked.

In the drift on the 100-foot level the vein is fairly strong for the first 115 feet. Beyond this point it tends to split and narrow at places, becoming less than an inch wide. In the breast it is about three-quarters of an inch of quartz in a 3- to 4-inch sheared zone.

On the 100-foot level ore grade material is exposed from the shaft to a point about 30 feet northeast of the shaft. Here the vein consists of from a few inches to about 1 foot of brecciated granite containing pods and stringers of ferberite. Similar ore grade material is exposed along the intervals 60 to 90 and 112 to 127 feet northeast of the shaft.

All the work has been done in granite, for the most part medium- to coarse-grained, with occasional gneissic texture. Two lenses or streaks of shattered quartz suggest lenses of pegmatite within the granite. One of these is in the shaft between the depths 40 to 55 feet, the other is along the northwest wall of the drift, at a distance of about 30 feet from the shaft.

SAMPLES AND ORE RESERVES

Three samples were taken by the U. S. Bureau of Mines examiner at locations shown on figure 3.

Sample No.	Grade (percent)	Sample width
RLB-81	1.90 WO_3 - 0.10 P	5 in.
RLB-82	11.60 WO_3 - 0.07 P	9 in.
RLB-101	4.21 WO_3	6 in.

The operator sampled the deposit by dividing the vein into arbitrary lengths and taking composite samples along the intervals (fig. 4). He took three sets of samples in each interval - one sample representing several cuts across the actual width of the vein, another sample representing several 6-inch cuts across the vein and another set representing several 10-inch cuts. A tabulation of the operator's samples follows:

Sample No.	Description	Percent WO_3
1	Composite vein	4.86
2	" 6-inch cuts	4.07
3	" 10-inch cuts	2.03
4	" vein	6.62
5	" 6-inch cuts	6.11
6	" 10-inch cuts	1.08
7	" vein	3.32
8	" 6-inch cuts	3.06
9	" 10-inch cuts	1.14
10	" vein	6.44
11	" 6-inch cuts	4.76
12	" 10-inch cuts	2.13
13	" vein	11.05
14	" 6-inch cuts	6.77
15	" 10-inch cuts	3.33
16	" vein	2.19
17	" 6-inch cuts	1.01
18	" 10-inch cuts	0.76
19	" vein	4.51
20	" 6-inch cuts	4.24
21	" 10-inch cuts	2.52

To arrive at an estimate of the probable reserves of the deposit, the assays of the 10-inch cuts were extrapolated for 15 feet above and below the drift and 30 feet east and west of the shaft (fig. 3).

The interval from 23 feet to 40 feet in the shaft was discounted from the tonnage calculations because it is believed that the assays are not representative and because the observed mineralization within that portion of the shaft is extremely spotty and erratic.

The probable reserves remaining at the completion of the exploration program are estimated to be about 389 short tons containing 782 short ton units of WO_3.

WORK COMPLETED UNDER THE CONTRACT

Initial work under the contract commenced August 23, 1954. A short, steep access road previously had been constructed from the Gorden Gulch road to the bottom of the dump at the portal of the lower tunnel. Initial project work involved the preparation of a surface site near the portal of the lower tunnel, the construction of a suitable surface shelter, and the installation of the necessary surface equipment.

Considerable rock excavation was required to enlarge the area for the surface plant. Due to the topography and the state mining regulations, a 9- by 12-foot hoist room was excavated in a vertical cliff some 25 feet south of the shaft. A single-drum, geared hoist was installed in the excavation. The open end of the excavation was boarded up and provided with a doorway. A 30-foot, 4-post, wooden headframe was erected over a newly constructed collar of the existing shaft. The existing shaft, which was located at the portal of the lower tunnel and extended to a depth of 23 feet below that level (fig. 3),

was widened to an 8- by 4-foot cross section and timbered so as to provide for a manway and a hoisting compartment. Ladders and platforms were installed in the manway and skids for a bucket, in the hoisting compartment.

Sinking operations were started in September. The shaft had been sunk the authorized 85 feet, or to a depth of 108 feet below the lower tunnel level, by mid-November. The vein exposed in the shaft remained narrow but did contain intermittent occurrences of tungsten mineralization. The Field Team, therefore, authorized the lateral exploration of the vein as provided under Stage II of the contract.

The drift northeasterly along the Poopout vein was started from the shaft at a depth of 99 feet below the tunnel level (fig. 3). The heading was driven to a 5- by 7-foot cross section. It had been extended the authorized 200 feet along the vein by January 12, 1955. The operator completed his sampling of the vein on January 15, 1955, whereupon all of the surface and underground equipment was removed from the property and the workings off the bottom of the shaft allowed to flood. The operator's final project report was received March 25, 1955.

EXPENDITURES UNDER THE CONTRACT

The agreed estimated costs of the project, in which the Government would participate, totaled $14,000.00. Under the short-form-type of contract, the agreed costs were expressed in terms of the stipulated units of work to be performed by the operator. The

Government would pay 75 percent of the agreed costs, as they accrued, for units of work actually completed according to the specifications set forth in the contract.

All of the units of work authorized for the project were completed by the operator in the manner specified in the contract. Project costs were reported monthly by the operator as they accrued, and 75 percent of the accrued amount was reimbursed to the operator upon verification of the work by the inspecting engineer and its acceptance by the Executive Officer, DMEA Field Team, Region III. Project costs totaling $14,000.00 - equivalent to the completed and authorized units of work at its agreed unit prices - was reported by the operator and accepted by the Government. The operator was reimbursed for 75 percent of the accepted total costs, or $10,500.00. An amount of $100.00, withheld from reimbursement to the operator pending receipt of his final project report and the release of the Report of Review by the Contract Administration and Audit Division, was paid May 10, 1955.

The authorized work performed during the project and the agreed costs at which reimbursement was claimed and accepted is summarized below.

Authorized Project Work	Units completed	Agreed Unit Price	Accepted Amount
Stage I			
Bulldoze surface site near portal of lower tunnel, erect suitable shelter bldg., install surface equipment.	Job.	$500.00	$500.00

Authorized Project Work	Units completed	Agreed unit price	Accepted amount
Stage I (continued)			
Erect suitable headframe over existing shaft at portal of lower tunnel.	Job	$300.00	$300.00
Widen to st'd. cross section and timber existing shaft at portal of lower tunnel.	Job	700.00	700.00
Sink and timber existing shaft an additional 85 feet on Poopout vein to a depth of 108 feet below lower tunnel level.	85 feet	75.00	6,375.00
Stage II			
At a depth of 99 feet below lower tunnel level, drift 200 feet northeasterly from shaft along Poopout vein.	200 feet	30.00	6,000.00
A maximum of 25 tungsten assays.	25	5.00	125.00
Total reported and accepted costs of the project:			$14,000.00
Government participation (75%):			10,500.00

PROJECT EQUIPMENT

The short form exploration contract for this project was prepared on form MF-200(A) (Feb. 1952). Under this form of contract, the agreed upon unit prices for the various types of work reflect a reduction for the estimated salvage value of all facilities, improvements, equipment, and materials that may remain unexpended at the completion of the project.

EFFICIENCY OF PROJECT OPERATIONS

Project work was performed efficiently. No unusual difficulties were encountered. The shaft was supported with "stull" and wallplate timbers; ground support was not required along the 99-foot level drift. Only moderate amounts of water were encountered at lower depths in the shaft. Starnes contracted all of the project work to the operators of the nearby Hillside mine. These individuals - Eugene Scohy, John and Loren Overley - were experienced miners. Progress of project work was considerably above average. Compressed air for the project operations was piped to the site from the Hillside mine.

CONCLUSIONS AND RECOMMENDATIONS

It is concluded that the exploration project aithorized at the Poopout property was carried out and completed efficiently and in the manner specified in the contract. Government participation in the reported and accepted costs of the project to the extent provided in the contract, therefore, was valid and proper.

The ore reserves indicated for the deposit as a result of project exploration are considered significant. The extraction of the indicated reserves is considered both technically and economically feasible and probably will be attempted by the operator at some later date. It is concluded that a discovery, from which production may be made, has resulted from the exploration work. A certification to this effect by the Government, as provided under the terms of the contract, therefore, is recommended.

The vein narrows and becomes barren of tungsten northeast of the shaft and its continued exploration in this direction does not appear promising. Exploration of the structure in the opposite direction from the shaft is limited due to property boundaries. Exploration of the vein with greater depth might result in the discovery of other ore shoots of the magnitude of those previously uncovered. The indicated results do not justify the expense of the exploration involved. Additional exploration of the deposit with Government assistance, therefore, is not considered warranted.

RECEIVED
AUG 15 1955

Final report on the Poopout Mine, Sugar Loaf Minning District, Gordon Gulch, Boulder County, Boulder, Colorado.

Docket DMEA 3286
IDM- E-699

Work was commenced on the above on the 23rd. day of August, 1954., and completed on the 15th. day of January, 1955.

All surface preparations were performed within the terms of the contract and the shaft was sunk on the Poopout Vein to a depth of 108 feet with an additional 8 feet of sump. A 200 feet drift was driven N-E from the 108' level on the Poopout Vein for the purpose of exploring said Poopout Vein at depth.

The project has been accomplished without any injury and no undue difficulty was encountered.

The work was performed in granite for the most part, with the vein occuring in width from 1" to 1 foot. Tungsten mineral in the form of ferberite was noticed as stringers, pods, and nodules. The occurance of these stringers and small bodies was noticed to be sporadic, inconsistent, and unpredictable.

From collar of shaft to 30' level the vein was strong, 3 to 10 inches wide and well mineralized with ferberite mineral of good commercial grade.
From 30' to 70' level the vein pinches and little ferberite mineral is noticed. A small kidney of commercial mineral was noticed on the 50' level on the West wall in a fractured pegmatite.
From 70' to 108' level the vein is strong and good commercial mineral is noticed. The vein is several inches to 1 foot wide and contains stringers of highgrade mineral from 1/2 to 3/4 inches wide therein.
From shaft to 30 foot point in lower tunnel the vein is strong and contains highgrade ferberite mineral occuring as stringers and pockets in vein of 2 inches to 1 foot.
From 30 to 58' point the vein is cut by pegmatite and the tungsten mineral is quite stringy and scarce.
From 58 to 88' point the vein is fair to strong with commercial tungsten mineral. The vein is 1" to 1 foot and the ferberite is quite sporadic.
From 88 to 103' point the vein is again almost barren of tungsten mineralization.
From 103 to 118' point the vein remains unchanged and occurrence of tungsten mineralization is only occasional.
From 118 to 200' point the vein is barren of tungsten mineralization and the granite takes on more of a gneissic look with iron and oxide staining.

OPER'S FINAL REPORT

One major split was noticed in the lower tunnel at 30 feet from the shaft. This split followed a pegmatite intrusion into the wall (North) where water was encountered. This water course was stained with oxide and the oxide coated the tungsten mineral.
Other splits occured at the 88' and the 118' points in the lower tunnel. These splits at the time were of no importance and had no bearing on the main structure.

There appear to be two ore-shoots with commercial possibilities. The best and most mineralized occurs adjacent to the shaft and the other from 58 to 88'. There is a possibility of a third ore shoot at 103 to 118' or perhaps this is a part of the 58 to 88' ore shoot.

The estimate of ore reserves resulting from exploration work is 125 to 300 tons of 4% (WO_3) mined out to a 6 inch width.

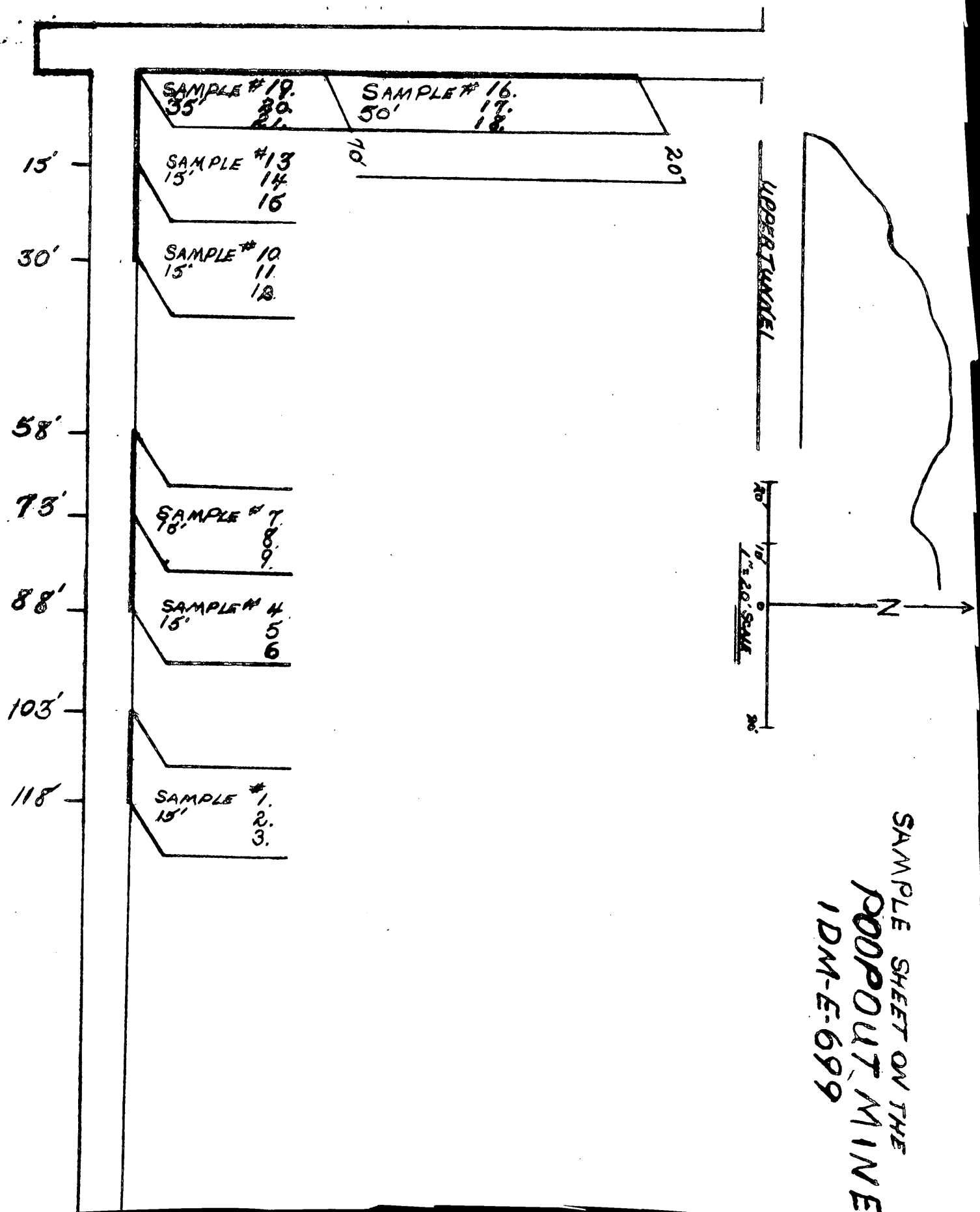
Further exploration work is limited at this time to additional sinking of the shaft to determine the definate effect a 10" flat encountered in the sump had on any mineralization, and the long hole probing in the face of the drift to locate any favorable cross structure capable of trapping any tungsten mineral.

This work is not proposed until after such time as ample work in the "blocked area" is accomplished to enable a more definate and exact opinion.

Sampling was restricted to favorable mineralized portions only for a more exact idea on ore reserves and the possibility of any production arising from continued operation.

J. L. Starnes

J. L. Starnes


SAMPLE #19.
35'
20.
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SAMPLE #16.
50'
17.
18.
70'
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16
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12
58'
73'
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8.
9.
88'
SAMPLE #4
15'
5
6
103'
118
SAMPLE #1.
15'
2.
3.
UPPER TUNNEL
1" = 20' SCALE
N
SAMPLE SHEET ON THE
POOPOUT MINE
IDM-E-699

W. S. Martin

RECEIVED
AUG - 9 1955

DN 235 BUR MINES 8-8-55 4-21 PM

W S MARTIN, ACTING CHAIRMAN, OPERATING COMMITTEE, DMEA

REURTT DOCKET 3286, CONTRACT E-699, J S STARNES. JOINT FINAL REPORT DUE FROM FIELD OFFICES AUGUST 9. SHOULD BE IN YOUR HANDS BY END OF WEEK.

W M TRAVER

Denver, Colo.

DOCKET
Surname:

Rutledge
Martin
Kiilsgaard
Gehon
Johnson
Mitchelson

AUG - 8 1955

Interior Department
Defense Minerals Exploration Administration
14X4401(01) Revolving Fund, Defense Production Act,
Interior (Allocated Working Fund to the Office of the Secy)

TELETYPE

Mr. W. M. Traver, Executive Officer
DMEA Field Team, Region III
224 New Custom House
Denver 2, Colorado

Reurlet June 21, 1955, Docket DMEA 3286, J. L. Starnes, Contract Idm-R699. Please expedite our receiving Field Team's final report.

W. S. Martin
ACTING Chairman, Operating Committee

cc: Docket
Adm. Read. File
Oper. Committee
Code 400
Thor Kiilsgaard, USGS
Robt. Holliday, USBM
FT, Reg. 3

FARutledge/ls
8/8/55

R.C.K.

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

RECEIVED
JUN 24 1955

224 New Customhouse
Denver 2, Colorado

June 21, 1955

Memorandum

To: Chairman, Operating Committee, DMEA

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket DMEA-3286 (Tungsten), Contract Idm-E699, J. L. Starnes, (Poopout claims), Boulder County, Colorado

Reference is made to your letter of June 17, 1955 requesting advice as to when the Field Team's final report on the subject contract can be expected.

We have been advised that field reports will be available about July 10, 1955. The work load of personnel involved in preparing a final report has increased to the extent that the delay in forwarding final reports has been unavoidable.

W. M. Traver

W. M. Traver

DOCKET
SURNAME

400 Rutledge
Martin
Selfridge
Johnson

JUN 17 1955

Mr. W. M. Traver, Executing Officer
DMEA Field Team, Region III
224 New Customhouse
Denver 2, Colorado

Re: Docket No. DMEA 3286 - Tungsten
J. L. Starnes
Poopout claims
Boulder County, Colorado
Contract No. Idm-E699

Dear Mr. Traver:

Reference is made to the subject docket and your letter of April 27, 1955 informing us that the Field Team's final report would be available about May 20, 1955.

It would be appreciated if you would advise us when the referenced report may be expected.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee (JHB)

FARutledge:foc
6-17-55
cc to: Docket
Code 400
Admr. Read. File
Operating Comm.
FT. REG. III
Messrs. Holliday, USBM
Kiilsgaard, USGS

APPROVED:

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

Thor H. Kiilsgaard (JHB)
Member, Geological Survey

R.S.S.

400

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

224 New Customhouse
Denver 2, Colorado

May 17, 1955

Memorandum

To: Secretary to the Operating Committee

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket DMEA-3286 (Tungsten), Contract Idm-E699, J. L. Starnes, Poop Out claims, Boulder County, Colorado

Enclosed are two copies of a memorandum to T. A. Christensen, dated May 3, 1955, relative to final payment under the terms of the subject contract.

W. M. TRAVER,

W. M. Traver

Enclosures

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

224 New Customhouse
Denver 2, Colorado

May 3, 1955

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket DMEA 3286 (Tungsten), Contract Idm-8699, J.L. Starnes, Peep Out Claims, Boulder County, Colorado — FINAL PAYMENT

Reference is made to our memorandum of February 17, 1955, whereby we transmitted the final Form MF-104 Operator's Monthly Report and Voucher for the month of January 1955 and instructed you to withhold the amount of $100.00 from reimbursement to the operator pending receipt of the operator's final report and release of the final Report of Review by the Contract Administration and Audit Division.

The operator's final report has been received, therefore we now recommend that final payment to the operator be made on the following basis, which is in conformance with the Report of Review by the Contract Administration and Audit Division dated February 28, 1955 which was released to this office April 29, 1955.

Basis for Final Payment

Total Accepted Cost	$14,000.00
Government Participation at 75%	10,500.00
Total Prior Payments	10,400.00
Balance Due the Operator	$ 100.00

JWT:jp
cc Subject
Chron
Sec. to Op. Comm. (2)
Shaw
Townsend

W. M. TRAVER

W. M. Traver

100.00
JB
5/10/55 DMA 55-89

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

224 New Customhouse
Denver 2, Colorado

April 27, 1955

Memorandum

To: Chairman, Operating Committee, DMEA

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket DM EA 3286 (Tungsten), Contract Idm-E699, J.L. Starnes, Poop Out Claims, Boulder County, Colorado

Reference is made to your letter of April 25, 1955 relative to the operator submitting a final report.

The operator's final report was received in this office March 25, 1955 and the engineering and geologic reports will be available about May 20, 1955.

W. M. Traver

W. M. Traver

DOCKET
Surname

Rutledge
Martin
Selfridge
Johnson
Holliday

APR 25 1955

Mr. W. M. Traver, Executive Officer
DMEA Field Team, Region III
224 New Custom House
Denver 2, Colorado

Re: Docket No. DMEA 3286-Tungsten
J. L. Starnes
Poopout claims
Boulder County, Colorado
Contract No. Idm-E699

Dear Mr. Traver:

Reference is made to the subject contract under which exploration was completed January 12, 1955.

If the operator has not yet submitted a final report on the results obtained from the exploration program, he should be advised that such a report is due.

Sincerely yours,

George C. Selfridge
by EST
Chairman, Operating Committee

Approved:

J. H. Hedges by EST
Member, Bureau of Mines

Thor H. Kiilsgaard by EST
Member, Geological Survey

cc: Docket
FT, Reg. 3-Denver
Code 400
Adm. Read. File
Oper. Comm.
Thor Kiilsgaard, USGS
Robt. Holliday, USBM

FARutledge/ls
4/22/55

400

224 New Customhouse
Denver 2, Colorado

February 28, 1955

Memorandum

To: Secretary to the Operating Committee, DMEA

From: Executive Officer, DMEA Field Team, Region III

WSM

Subject: DMEA 3286 (Tungsten), Contract Idm-E699, J. L. Starnes (Poop-out claims), Boulder County, Colorado

Enclosed are two copies of the Operator's Monthly Progress Report, Form MF-104 and MF-104A, Operator's Narrative Report, Inspecting Engineer's Narrative Report, and other supporting data pertaining to work under the subject contract for the month of January, 1955.

W. M. TRAVER

Enclosures

W. M. Traver

MF-104

U. S. DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
REGION IV

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAR 2 - 1955

Administrative Audit Difference Statement

Date: December 20, 1955
Payee's Reference: January 1953

Dr. J. L. Otarson
[illegible] Walnut Street
Denver, Colo.

Dear Dr. Otarson:

Upon examination of the above Payee's reference a difference was found which made it necessary to suspend your account accordingly:

Amount Claimed	$ 1,255.00
Difference	$
Amount Approved	$ 0 [illegible].75

The reason for the difference was due to:

○ [illegible].00 withheld pending receipt of final report.

Any reclaim for deductions made above must be supported by the ORIGINAL of this form.

Very sincerely yours,

N.E.Stokes
Audit Section

R-IV-B & F Form No. 4
4-15-52 D

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

224 New Customhouse
Denver 2, Colorado

February 17, 1955

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region III

Subject: DMEA Docket 3286 (Tungsten), Contract Idm-E699, J.L. Starnes (Poop Out Claims), Boulder County, Colorado -- Operator's Monthly Progress Report for the period January 1955

Enclosed are the original and four copies of Form MF-104 and MF 104A, Narrative Report, and Engineer's Report for the above period.

Work has been completed as authorized by the contract. No documentation is required for work performed under contracts prepared on Form MF-200A, therefore we recommend that payment be made for 75 percent of the amount reported by the operator on Form MF-104, contingent on your verification of arithmetical accuracy within the report.

An amount of $100.00 is to be withheld from payment to the operator pending receipt of the operator's final report and release of the final Report of Review by the Contract Administration and Audit Division.

Remarks:

Date of Report.....Jan. 26, 1955
Date Received in Field Office.....Feb. 14, 1955
Date Received in Region Office....Feb. 16, 1955

RDB: jp

Encls.

W. M. Traver

cc Subject
Chron
Sec. Op. Comm. (2)
Shaw
Townsend

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

DMEA
Date Rec'd
FEB 18 1955
BUREAU OF MINES
Denver, Colorado

Region III

Building 20, Room 137
Denver Federal Center
Denver 2, Colorado
February 15, 1955

Memorandum

To: Executive Officer, DMEA Field Team, Region III

Through: John F. Shaw

From: R. L. Bolmer

Subject: DMEA 3286, Contract Idm-2699 (Tungsten) J. L. Starnes (Poop Out claims) Boulder County, Colorado - Progress report for January 1955

The progress reported for the period under the subject short-form contract--38 feet of drifting on the Poop Out vein--was verified during an inspection of the property February 7, 1955. The advance this period completes the 200 feet of drifting northeasterly from the shaft authorized under Stage II of the contract. The final round in the drift was mucked out January 12, 1955. This date can be considered the date of completion of the project. The analyses of the samples taken previously, however, were not received by the operator until February 14, 1955. The 25 analyses reported this period are authorized by Amendment No. 1 of the contract. The claim for reimbursement of the analysis charge is supported by a copy of the assay return from Charles O. Parker and Company, Denver, Colorado.

The Poop Out vein exposed along the final 38 feet of the northeast drift continued narrow and poorly defined and remained unmineralized.

The operator's final project report is in preparation and should be submitted shortly. It will include a map showing the locations of the samples, the analyses charges for which are claimed this period.

The $1,265.00 total costs reported on the operator's MF-104 forms for the period--equivalent to the completed 38 feet of drifting at the agreed upon unit price of $30.00 per foot plus 25 analyses at the authorized unit price of $5.00 each--are approved. Reimbursement to the operator of 75 percent of the approved costs, or $948.75, is recommended. Inasmuch as this will be the final and total amount due the operator under the terms of the contract, the usual percentage of holdback is in order until the operator's final report has been submitted and other details pertinent to the completion of the project have been settled.

R. L. Bolmer

R. L. Bolmer
Mining Engineer

cc 6

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.1
Approval expires 6-30-53.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAR 2 - 1955

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

Month of January 1955 Docket No. DMEA 3288 Contract No. 1da-3899
Operator's Name J. L. Starnes Minerals Tungsten
Address 2800 Walnut Street, Boulder, Colorado

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting	foot	$1140.00	39	$6000.00	200	$30.00	200	$30.00
Crosscutting								
Raising								
Shafts	foot	-	-	$6375.00	85	$75.00	85	$75.00
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Assays	each	$125.00	25	$125.00	25	$5.00	25	$5.00
Mill Tests Surface Prep.	job	-	-	$500.00	job	$500.00	job	$500.00
Roads and Trails Headframe	job	-	-	$300.00	job	$300.00	job	$300.00
Shaft rep.	job	-	-	$700.00	job	$700.00	job	$700.00
TOTAL DISTRIBUTED COSTS								TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		$1265.00	63	$14000.00				$14000.00

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 January 26, 1955 Operator J. L. Starnes

Per _____ Title _____

REMARKS:

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

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

GPO 83-38475

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

Budget Bureau No. 42-R1036.4
Approval expires 6-30-53.

RECEIVED
MAR 2 - 1955

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

Month of January, 1955 Docket No. DMEA 3286 Contract No. 1dm-[illegible]
Operator's Name J. L. Sterner Minerals Tungsten
Address 2800 Walnut Street, Boulder, Colorado
Contract Amount, $14,000.00 Government Participation: 75% Amount, $10,500.00

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 Contracts: Short Form						
Dulling Surface Prep.	-	$500.00	$500.00			
Building Headframe	-	$300.00	$300.00			
Crosscutting Shaft Prep.	-	$700.00	$700.00			
Drifting	$1,140.00	$4,860.00	$6,000.00			
Sinking	-	$6,375.00	$6,375.00			
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis	$125.00	-	$125.00			
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	$1265.00	$12,735.00	$14,000.00	1265.00	12,735.00	14,000.00

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

Date Jan. 26, 1955 *Payee J. L. Sterner

Per _____ Title _____

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

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

(Instructions on reverse)

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

$ 848.75

Signature Randell R. Cooper
(Authorized Certifying Officer)

Date 2-24-55 Vou. No. DMA-55-65

(See other side)

$100.00 — Withheld

(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. 8699 in accordance with the terms of the contract.

Signature R. P. Bolmer, #948.75 Title Mining Engineer Date FEB 15 1955

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE: Berk.

Signature W. M. Palmer Title Executive Officer Date FEB 17 1955

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

(c).

A narrative report accompaning IF-104A on Docket No. DMRA 3286. Contract No. Idm-2609 Poopout contract. Submitted with "Operators Monthly Report and Voucher"., and "Operators Unit Cost and Progress Report".

A total distance of 200 feet of drifting on the Poopout Vein has been accomplished within the terms of the above listed contract. A distance of 38 feet being submitted with the January Report.

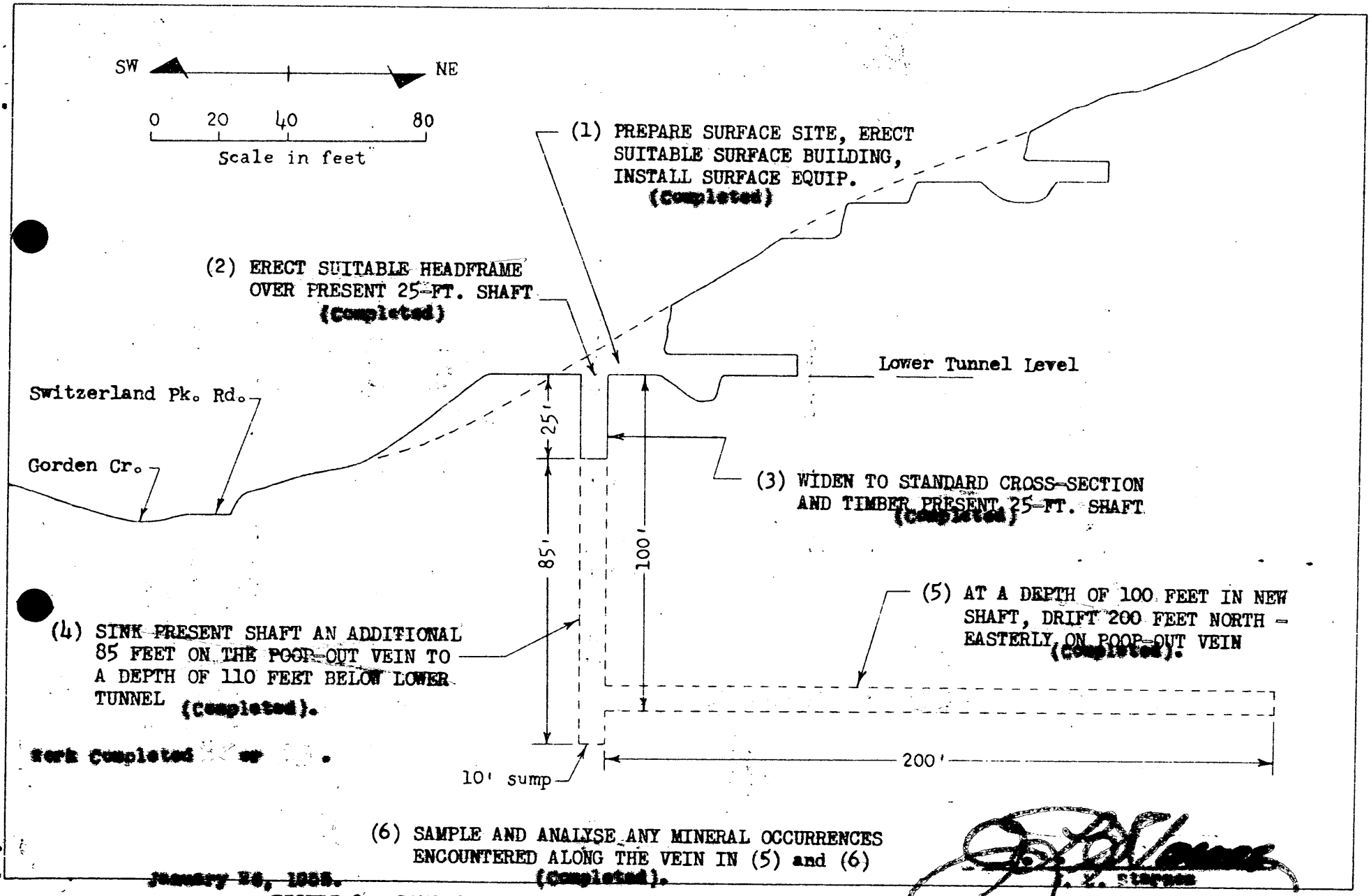
No change in the Poopout Vein was noticed during the last 38 feet of drifting.

The final report shall list all geological and engineering data as prescribed under the above listed contract, including an estimate of ore reserves resulting from the exploration program.

Very truly yours,

J. L. Starnes

January 28, 1955.



Work Completed [illegible]

January 26, 1955.

J. E. Stamper

FIGURE 3 - LONGITUDINAL SECTION OF POOP-OUT VEIN, BOULDER COUNTY, COLO., SHOWING PRESENT WORKINGS AND PROPOSED EXPLORATION. DMEA 3286

2114 CURTIS STREET

TELEPHONE MAin 185[illegible]

CHEMISTS • ASSAYERS • ENGINEERS

DENVER 2, COLORADO

Folio [illegible]

Date Feb. 14, 195[illegible].

J. L. [illegible],
Pocpout Mine,
Cordon Gulch, Sugar Loaf, Colorado.

We hereby Certify, that the samples assayed for you gave the following results

DESCRIPTION	GOLD OUNCES PER TON	SILVER OUNCES PER TON	COPPER PER CENT (WET)	LEAD PER CENT (WET)	ZINC PER CENT	IRON PER CENT	INSOLUBLE PER CENT	VALUE PER TON
			8 ungulic acid (5.03)					
Sample No. 1 - Vein			4.36%					
2 - 6" representative			4.07%					
3 - 12" " " "			2.03%					
4 - Vein			6.62%					
5 - 6" " " "			6.11%					
6 - 12" " " "			1.08%					
7 - Vein			3.33%					
8 - 6" " " "			3.00%					
9 - 12" " " "			1.14%					
10 - Vein " " "			6.44%					
11 - 6" " " "			4.70%					
12 - 12" " " "			2.13%					
13 - Vein			11.05%					
14 - 6" " " "			6.74%					
15 - 12" " " "			3.39%					
16 - Vein			2.19%					
17 - 6" " " "			1.01%					
18 - 12" " " "			0.74%					
19 - Vein			6.51%					
20 - 6" " " "			4.26%					
21 - 12" " " "			2.52%					
22 - Hand picked and sorted			17.55%					
23 Average across 6" Vein —			2.23%					—composite.
24 Average on 12" cut —			0.92%					
25 - Average of unsorted —			4.99%					— Vein material.

Gold at _____ per ounce Copper at _____ per unit

Silver at _____ per ounce Zinc at _____ per unit

Lead at _____ per unit _____

Charge $[illegible]
Paid

CHARLES O. PARKER & CO.
CHEMISTS, ASSAYERS and ENGINEERS

Charles O. Parker

U.S. Department of the Interior
Geological Survey

Prepared For
Defense Minerals Exploration Administration
DMEA Docket 3286
Cont. Idm-E 699

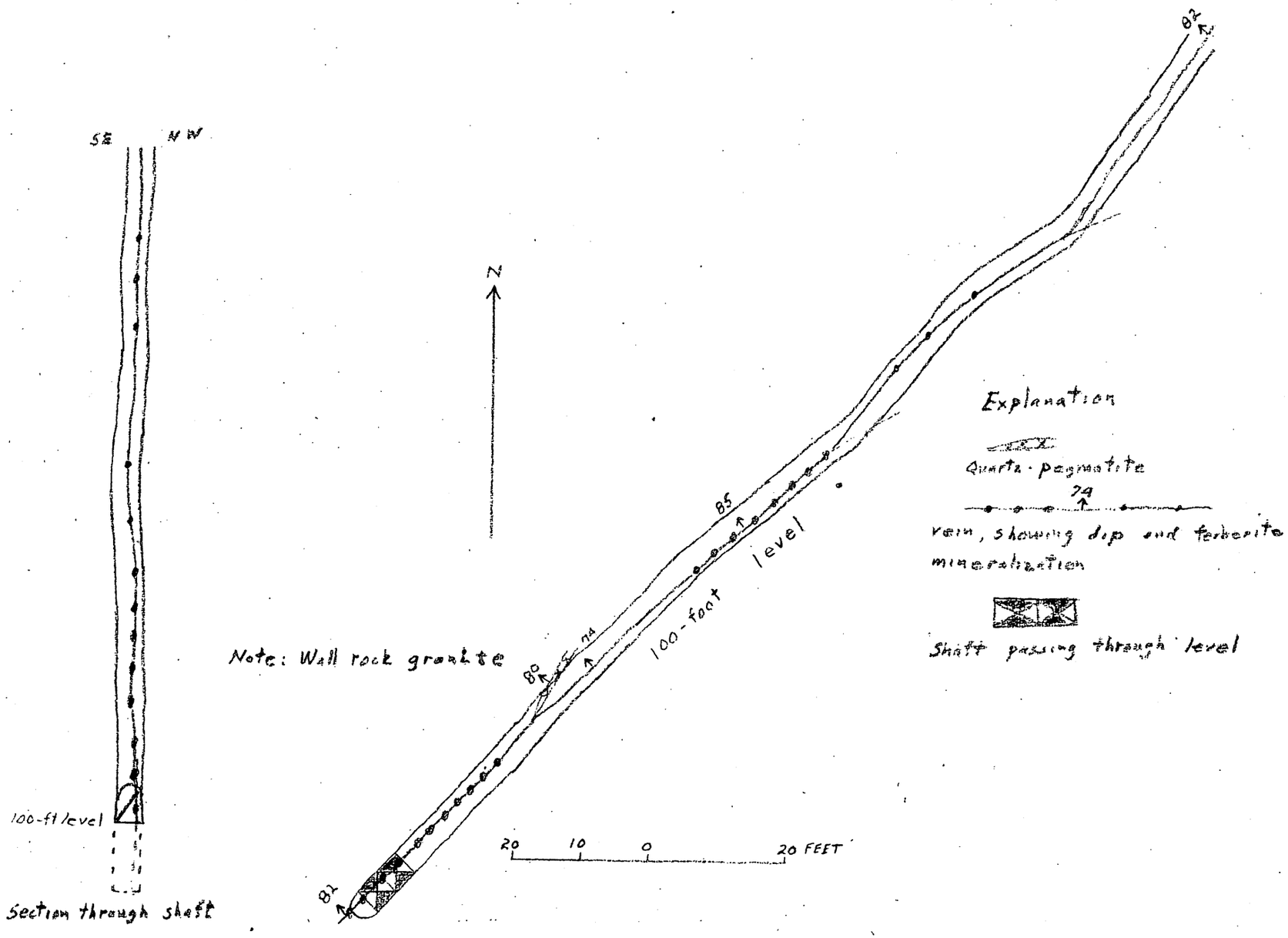


Figure 1 Plan of 100-ft level and section through shaft, Poopout Mine, Boulder County, Colorado

Interim Geologic Report Jan 1955

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

224 New Customhouse
Denver 2, Colorado

January 14, 1955

Memorandum

To: Chairman, Operating Committee, DMEA

From: Executive Officer, DMEA Field Team, Region IV

Subject: Docket DMEA 3286 (Tungsten), Contract Idm-E699, J.L. Starnes, Poopout Mine, Boulder County, Colorado

Enclosed for your information are four copies of an interim geologic report by the U.S. Geological Survey relative to operations under the subject contract.

W. H. King

Enclosures

IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Defense Minerals Exploration Administration

Denver 14, Colorado

January 13, 1955.

Memorandum

To: Field Team Region IV

From: E. N. Harshman

Subject: Interim geologic report, D.M.E.A. Docket 3286, Contract Idm-5699, Prospect Mine, Boulder County, Colorado

Enclosed are the original and 6 copies of an Interim geologic report by D. A. Maclaren, U. S. Geological Survey, on the above subject.

The examination was of a routine nature made primarily to inspect the progress of work completed under the contract and to bring the geologic mapping up to date.

Four copies of this report should be forwarded the Administrator, D.M.E.A., Washington, D. C.

E. N. Harshman

E.N.Harshman
Member, Field Team

January 12, 1955

Memorandum

To: E. N. Harshman

From: D. R. MacLaren

Subject: Interim geologic report, DMEA Docket 3288, Contract Idm-6899, Peapout Mine, Boulder County, Colorado

I visited the subject property January 5, 1955, to inspect the results of the work accomplished and to bring the geologic mapping up-to-date.

The shaft is driven to a depth of 108 feet (figure 1), the final 8 feet being the sump was full of water. From a depth of about 10 to 30 feet the vein, three inches to one foot wide, is strong and contains pods and a few short narrow stringers of ferberite on both walls. From 30 to 40 feet the vein becomes very tight, at times almost pinching out. It contains streaks of horn quartz but no identifiable ferberite. Along the west wall the vein starts to widen at 40 feet, reaching a maximum width of about one foot, and at 45 feet there are a few nodules of ferberite that become more numerous proceeding downward. On the east wall from 40 to 55 feet the vein widens to about two inches of horn quartz in a shattered quartz porphyry. At 55 feet the vein, which is mostly horn quartz with a few ferberite streaks, is stained by brown iron oxide. From 60 to 100 feet the vein is strong along both walls and contains ferberite as nodules and in streaks up to one-half inch wide and several feet long. The operator states that the vein continues strong to the bottom of the shaft, but as water is allowed to collect in the sump for drilling, this could not be checked.

At a depth of 100 feet a drift has been driven 170 feet north-easterly from the shaft. The vein is fairly strong for about 115 feet. Beyond this point it tends to split and narrow at places becoming less than an inch wide. In the breast it is about three-quarters of an inch of quartz

in a 3 to 4-inch sheared zone.

There are two ore shoots, one about 30 feet long extending from the southwest side of the shaft to about 20 feet to the northeast, the other about 25 feet long extending from a point 60 feet to a point 85 feet northeast of the shaft. A sample of the first ore shoot taken near the shaft by the Bureau of Mines engineer assayed 4.21% WO_3 over a width of six inches. The operator states in his progress report that he has taken several other samples but the assays of these are not yet available. The ore shoots vary in width from a few inches to about a foot of brecciated granite, filled with stringers, pods, and nodules of ferberite.

All the work has been done in granite, for the most part medium to coarse grained, with occasional gneissic texture. Two lenses or streaks of shattered quartz suggest lenses of pegmatite within the granite. One of these is seen in the shaft between depths of 40 and 55 feet, the other is along the northwest wall of the drift, into which it passes at a distance of about 30 feet from the shaft.

It is concluded that two small bodies of ore have been discovered as a result of this project. Although the size of the ore shoots has been disappointing, it is possible that another shoot may be found during the remaining 30 feet of drifting allowed under the contract. It is therefore recommended that the drifting be completed.

400

224 New Customhouse
Denver 2, Colorado

January 27, 1955

Memorandum

To: Secretary to the Operating Committee

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket No. 3286 (Tungsten), Contract Idm-E699, J. L. Starnes, Boulder County, Colorado

Enclosed are two copies of the Operator's Monthly Progress Report, Form MF-104 and MF-104A, Operator's Narrative Report, Inspecting Engineer's Narrative Report, and other supporting data pertaining to work under the subject contract for the month of December, 1954.

W. M. TRAVER

Enclosures

W. M. Traver

pw

MF-104 Dec '54

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

224 New Customhouse
Denver 2, Colorado

January 13, 1955

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: DMEA Docket 3286 (Tungsten), Contract Idm-E699, J.L. Starnes, Boulder County, Colorado - Operator's Monthly Progress Report for the month of December 1954

Enclosed are the original and four copies of Form MF-104 and MF-104A, Narrative Report, and Engineer's Report for the above period.

Work has been completed as authorized by the contract. No documentation is required for work performed under contracts prepared on Form MF-200A, therefore we recommend that payment be made for 75 percent of the amount reported by the operator on Form MF-104, contingent on your verification of arithmetical accuracy within the report.

Remarks:

Date of operator's report.....Jan. 3, 1955
Date report received in B.O.M. field office..Jan. 7, 1955
Date report received in regional office.....Jan. 12, 1955

Please mail operator's check to: 2800 Walnut Street
Boulder, Colorado

W. H. King

Enclosures
JWT:jp
cc Subject
Chron
Sec. Op. Comm. (2)
Traver

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20, Room 137
Denver Federal Center
Denver 9, Colorado
January 12, 1955

Memorandum

To: Executive Officer, DMEA Field Team, Region IV

From: W. M Traver

Subject: DMEA 3286, Contract I m-E699 (Tungsten), J. L. Starnes (Poop Out claims), Boulder County, Colo.--Progress report for December 1954

Enclosed are the original and four copies of the subject progress report, the fourth one--forms MF-104 and MF-104A, with narrative and progress sketch--and the original and six copies of R. L. Bolmer's memorandum covering his inspection of the underground progress and checking the reporting forms. The contract is unit cost on short-form MF-200(A) and no documentation is required.

Bolmer visited the project on his routine inspection January 3, 1955, and verified the 81 feet of drifting on 100-foot level of the Poop Out vein as authorized under Stage II of the contract. The drifting advance is correctly reported in the narrative and entered on the MF-104A forms. Entries and extensions are in order on reporting forms. The inspecting engineer describes the month's progress and reports that the operator will have samples of the vein available shortly and will probably complete the authorized drifting during January.

Payment is approved and certified on the MF-104 forms of $1,822.50 or 75 percent of the total, $2,430.00 claimed by the contractor.

F. A. Everett, for
W. M. Traver
Mining Engineer

WMT/dj

enclosures
cc: 5
E699
Chron

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20, Room 137
Denver Federal Center
Denver 2, Colorado
January 11, 1955

Memorandum

To: W. M. Traver

From: R. L. Bolmer

Subject: DMEA 3886, Contract Idm-3699 (Tungsten), J. L. Starnes (Poop Out claims), Boulder County, Colo.--Progress report for December 1954

The progress reported this period under the subject short-form contract--81 feet of drifting on the Poop Out vein--was verified during an inspection of the property January 3, 1955.

Two-hundred feet of drifting on the Poop Out vein northeasterly from the shaft at a depth of 100 feet below the lower tunnel level is authorized under Stage II of the contract. The drift had been advanced a total of 162 feet northeasterly from the shaft at the close of this reporting period.

The vein exposed along the drift this period continued as a narrow quartz structure within granite. It remained nearly vertical but its course varied between N. 35° E. and N. 65° E. The structure was barren of all tungsten mineral in the final 48 feet of advance. In the breast at 162 feet, the barren structure contains only about an inch of quartz and minor amounts of talc. The vein in this section is very tight and the granite wall rock is relatively unaltered.

The operator probably will complete the authorized contract work during January. Some attempt probably will be made to further explore and to mine the small and narrow ore shoots encountered in the shaft and along the 100-foot level drift. A certification of the discovery, therefore, probably is warranted. The operator has sampled the vein at various locations and will submit his sample data and assays next period.

The $2,430.00 total costs reported for the period on the operator's MF-104 forms--equivalent to the completed 81 feet of

drifting at the agreed upon unit price of $30.00 per foot--are approved. Reimbursement to the operator of 75 percent of the appr costs, or $1,822.50, is recommended.

R. L. Bolmer
Mining Engineer

RLB/dj

cc: ✓
R699
DMRA Chron

Form MF-101 (Rev.)
(April 1952)

Budget Bureau No. 42-R1036.4
Approval expires 6-30-53.

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JAN 31 1955

Month of December, 1954 Docket No. DMEA 3266 Contract No. Ida-600
Operator's Name J. L. Turner Minerals Tungsten
Address 2000 Walnut Street, Boulder, Boulder Co
Contract Amount, $ 14,000.00 Government Participation: 75 % Amount, $ 10,500.00

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~~ surface prep.	-	500.00	500.00			
~~Bulldozing~~ tailfreeze	-	300.00	300.00			
~~Crosscutting~~ haft prep.	-	700.00	700.00			
Drifting	2,430.00	2,430.00	4,860.00			
Sinking	-	6,375.00	6,375.00			
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	2,430.00	10,305.00	12,735.00	2430.00	10305.00	12735.00

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

Date Jan. 3, 1955 *Payee J. L. Turner

Per _____ Title _____

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

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

(Instructions on reverse)

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

$ 1822.50

Signature Russell R. Cooper
(Authorized Certifying Officer)

Date 1-14-55 Vou. No. DMA 55-54

(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. 5699 in accordance with the terms of the contract.

Signature R. R. Belmont, $1,822.50 Title Mining Engineer Date JAN 11 1955

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature W. H. King Title Executive Officer Date JAN 13 1955

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

GPO 83-38476

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of December 195[illegible] Docket No. DMEA 3286 Contract No. Idm-[illegible]
Operator's Name J. L. Turner Minerals Tungsten
Address 2800 Walnut St., Boulder, Colorado

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting	foot	2,430.00	81	6,860.00	102	80.00	800	80.00
Crosscutting								
Raising								
Shafts	foot	-	-	6,375.00	85	75.00	85	75.00
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Surface Prep	job	-	-	600.00	job	600.00	job	600.00
Headframe	job	-	-	500.00	job	500.00	job	500.00
Shaft Prep.	job	-	-	700.00	job	700.00	job	700.00
TOTAL DISTRIBUTED COSTS								TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		2,430.00	81	12,735.00				14,000.00

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

Date Jan. 3, 1956. Operator J. L. Turner

Per Title

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

REMARKS:

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

GPO 872894

RECEIVED

(c).

A narrative report accompaning MF-104A on Docket No. DGMA 3286 Contract No. IdM-2089 Peopout contract. Submitted with "Operator's Monthly Report and Voucher"., and "Operator's Unit Cost and Progress Report".

A total distance of 163 feet of drifting on the Peopout Vein has been recorded this month. A distance of 81 feet of drifting has been accomplished this month of December. Several working shifts were lost due to the holidays and bad weather.

The vein appears to be weakening and little mineralization has been noticed during the later shifts. Drifting is now following several inches of horn-quartz.

Assays of the mineralized portions have been taken and are now in the process of being assayed for content. These assays will be submitted in the future to you.

Very truly yours,

J. L. Starnes

January 8, 1966

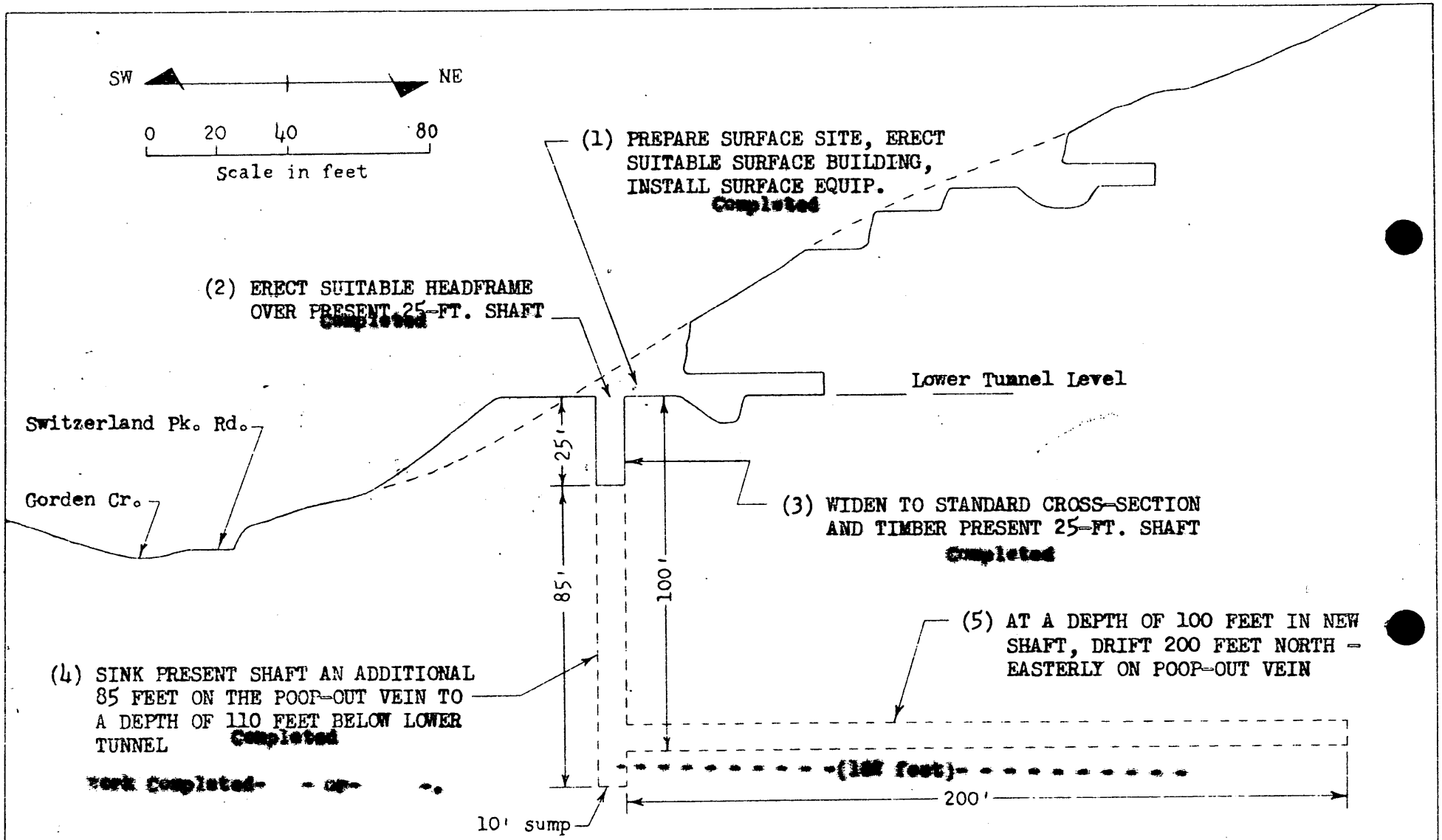


FIGURE 3 - LONGITUDINAL SECTION OF POOP-OUT VEIN, BOULDER COUNTY, COLO., SHOWING PRESENT WORKINGS AND PROPOSED EXPLORATION. DMEA 3286

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

402

224 New Customhouse
Denver 2, Colorado

December 20, 1954

Memorandum

To: Secretary to the Operating Committee, DMEA

From: Executive Officer, DMEA Field Team, Region IV

Subject: Docket DMEA 3286 (Tungsten), Contract Idm-E699, J.L. Starnes (Poop Out Claims), Boulder County, Colorado

Enclosed are two copies of the Operator's Monthly Progress Report, Form MF-104 and 104A, Operator's Narrative Report, Inspecting Engineer's Narrative Report, and other supporting data pertaining to work under the subject contract for the month of November 1954.

W. H. King

Encls.

MF-104
Nov '54

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

224 New Customhouse
Denver 2, Colorado

December 13, 1954

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: DMEA Docket 3286 (Tungsten), Contract Idm-E699, J.L. Starnes (Poop Out Claims), Boulder County, Colorado - Operator's Monthly Progress Report for the period November 1954.

Enclosed are the original and four copies of Form MF-104 and MF-104A, Narrative Report, and Engineer's Report for the above period.

Work has been completed as authorized by the contract. No documentation is required for work performed under contracts prepared on Form MF-200A, therefore we recommend that payment be made for 75 percent of the amount reported by the operator on Form MF 104, contingent on your verification of arithmetical accuracy within the report.

Remarks:

Date of Report.....November 30, 1954
Date Received in Field Office.....December 6, 1954
Date Received in Region Office....December 13, 1954

W. H. King

Encls.

RDB:jp
cc Subject
Chron
Sec. to Op. Comm. (2)
Traver

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20, Room 137
Denver Federal Center
Denver 2, Colorado
December 10, 1954

Memorandum

To: Executive Officer, DMEA Field Team, Region IV

From: Chief, Mineral Resources Branch, Mining Division, Region IV

Subject: DMEA 3286, Contract Ids-2699 (Tungsten), J. L. Starnes (Poop Out claims) Boulder County, Colo., Progress report for November 1954

Enclosed are the original and four copies of the subject progress report, the third one--forms MF-104 and MF-104A, with narrative and progress sketch--and the original and six copies of R. L. Bolmer's memorandum covering his inspection of the underground progress and checking the reporting forms. The contract is unit cost on short-form MF-200(A) and no documentation is required.

The progress reported by the contractor and entered on the MF-104A forms comprising 10 feet of shaft sinking and 81 feet of drifting northeast on the 100-foot level on the Poop Out vein was verified by Bolmer on his regular inspection made December 2, 1954. The shaft sinking was under Stage I and the drifting under Stage II, was authorized by the Field Team's letter of November 9, 1954, to the operator. The entries and extensions are correct on the reporting forms and the narrative covers the month's operations adequately. The inspection engineer describes the vein and its mineralization in the sections so far exposed and states that the exposures are apparently of no commercial significance.

Payment is approved and certified on the MF-104 forms of $2,385.00 or 75 percent of the total $3,180.00, claimed by the contractor.

W. M. Traver

W. M. Traver

WMT/dj
enclosures
cc: 5
RE99
Chron

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20, Room 137
Denver Federal Center
Denver 2, Colorado
December 8, 1954

Memorandum

To: Chief, Mineral Resources Branch, Mining Division, Region IV

From: R. L. Bolner

Subject: DMEA 3266, Contract Idm-8699 (Tungsten), J. L. Starnes (Poop Out claims), Boulder County, Colo.,-Progress report for November 1954

The progress reported this period under the subject short-form contract--10 feet of shaft sinking and 81 feet of drifting on the Poop Out vein--was verified during an inspection of the property December 2, 1954.

The Poop Out shaft was sunk an additional 10 feet on the Poop Out vein during November to a total depth of 108 feet below the lower tunnel level. The sinking performed this period completes the 85 feet of shaft sinking authorized under Stage I of the contract. Contract sinking operations were started during September at an existing depth in the shaft of 23 feet below the lower tunnel level.

Drifting on the Poop Out vein northeasterly from the shaft at a depth of 100 feet below the lower tunnel level is authorized under Stage II of the contract with the prior written approval of the DMEA Field Team, Region IV. Such approval was granted in a letter to the operator dated November 9, 1954. The authorized drift, actually begun at a depth of 99 feet in the shaft, had been advanced a total distance of 81 feet northeasterly along the vein on the date of inspection. The drift followed the course of the vein being driven N. 35° E. from the shaft for a distance of 61 feet thence N. 55° E. for 20 feet. The 3-to 5-inch, nearly vertical quartz vein exposed in this distance occurred mostly in granite. It contained narrow streaks (1/2 to 1-1/2 inches) of high-grade ferberite mineral along most of its exposed length. Near the breast of the drift, the vein split into two separate fissures, each of which contained about an inch of mineral. The ferberite content of the vein exposed to date along the level is a high-grade, nearly pure mineral; its present exposures, however, are too narrow to support anything but a marginal mining operation.

Funds for the analyses of samples are provided in the contract and the operator has indicated that he will sample the vein. A check sample taken during a previous inspection across a 5-inch width of the vein at a depth of 100 feet in the shaft assayed 4.21 percent WO_3.

The $5,180.00 total costs reported on the operator's MV-104 forms for this period--equivalent to the completed 10 feet of sinking and 81 feet of drifting at the agreed upon unit prices of $75.00 and $30.00 per foot, respectively--are approved.

Reimbursement to the operator of 75 percent of the reported costs, or $2,385.00, is recommended.

R. L. Bolmer

R. L. Bolmer
Mining Engineer

RLB/dj

enclosures
cc: LB
M699
Charon

(c).

Narrative report accompanying [illegible]-104A on Docket No. [illegible] 8230 Contract No. Ism-[illegible]639 Blackout Contract. Submitted with "Operator's Monthly Report and Voucher, and Operators Unit Cost and Progress Report".

Stage I of the above mentioned has been completed within the terms of the contract. The written approval of the [illegible] Field Team, Region IV, has been received, granting approval to perform Stage II work as outlined in the contract and requested by my letter of October 29, 1954.

To date a total of 61 feet of drifting on the Blackout vein has been recorded. There has been no unusual difficulty encountered.

The vein remains strong and pronounced and good content of high-grade tungsten mineralization is noticed. The vein varies in width from one inch up to thirteen inches in spots. An average of about four to five inches of good vein material with two to three stringers of high-grade "steel" ferberite therein. The stringers of "steel" ferberite average in width from 1/2 to 1 inch. The vein carried a strike of N.35°E., for a distance of sixty-one feet from the shaft and a strike of better than N.55°E., for the remaining twenty feet. There is no horizontal displacement noted in the face. The ground remains broken with numerous flats and slips. These flats and slips seem to have no effect upon the vein suggesting perhaps a later movement. One major flat about two feet in thickness was encountered in the sump however, with definate effect upon both the vein and the tungsten mineralization. The vein was as much as two feet in width below the flat and moved to the hanging wall. Small amounts of crystalline ferberite was noticed. Suggesting perhaps greater values with depth.

earlier

Lead in the form of galena is still encountered with the tungsten mineralization every now and then, however this appears to be of no great concern at the moment. There is no penalty and the lead can be removed from the concentrates should it make a more pronounced showing.

No accurate or representative sampling or assaying has as yet been attempted. I shall however sample and assay the workings to-date as soon as possible. I was waiting for a more "open" view of the workings to obtain a more reliable sample.

November 30, 1954.

J. L. Stamer

J. L. Stamer

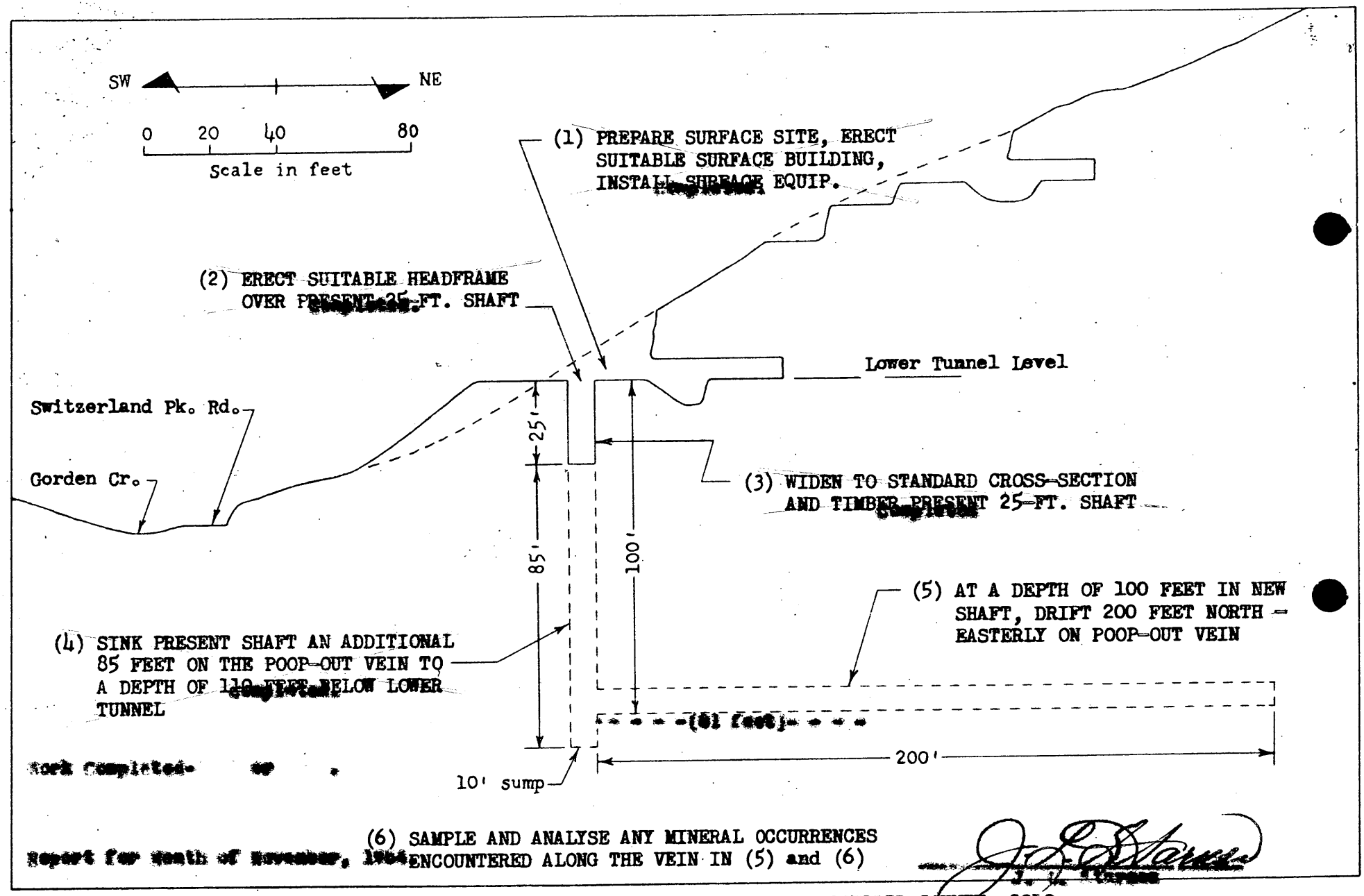


FIGURE 3 - LONGITUDINAL SECTION OF POOP-OUT VEIN, BOULDER COUNTY, COLO., SHOWING PRESENT WORKINGS AND PROPOSED EXPLORATION. DMEA 3286

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of November 1954 Docket No. DMEA 3236 Contract No. 10A-699
Operator's Name J. L. Stirnes Minerals Tungsten
Address 2630 Walnut St., Boulder, Colorado

OPERATION	Unit	Costs This Month	Units This Month	Costs to Date	Units to Date	Unit Costs to Date	Authorized by Contract: Units	Authorized by Contract: Unit Costs
Drifting	foot	2,420.00	81	2,420.00	81	830.00	200	830.00
Crosscutting								
Raising								
Shafts	foot	750.00	10	6,375.00	85	70.00	85	75.00
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits: Surface Prep.	job	-	-	500.00	job	500.00	job	500.00
Roads and Trails: Headframe	job	-	-	300.00	job	300.00	job	300.00
Shaft Prep.	job	-	-	700.00	job	700.00	job	700.00
Total Distributed Costs								Total Costs Authorized by Contract
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
Total Costs		3,180.00	91	20,000.00				14,000.00

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

Date Nov. 30, 1954 Operator J. L. Stirnes

Per _____ Title _____

Remarks:

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

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

GPO 872894

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

Budget Bureau No. 42-R1036.5

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

Month of November, 1954 Docket No. DMEA 3236 Contract No. IGm-599
Operator's Name J. L. Starnes Minerals Tungsten
Address 2800 Walnut St., Boulder, Colorado
Contract Amount, $ 14,000.00 Government Participation: 75 % Amount, $ 10,500.00

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) Approved Short Form Contracts:						
Drilling Surface prep.	-	$ 500.00	$ 500.00			
Bulldozing Headframe.	-	$ 300.00	$ 300.00			
Crosscutting Shaft Prep.	-	$ 700.00	$ 700.00			
Drifting	$ 2,430.00	-	$ 2,430.00			
Sinking	$ 750.00	$ 5,625.00	$ 6,375.00			
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	$ 3,180.00	$ 7,125.00	$ 10,305.00			

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

Date Nov. 30, 1954 *Payee J. L. Starnes

Per _____ Title _____

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

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

(Instructions on reverse)

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

$ 2385.00

Signature Randall R. Carlisle
(Authorized Certifying Officer)

Date 12-17-54 Vou. No. DMA-5774

(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. E699 in accordance with the terms of the contract.

Signature R. L. Bolmer, $2,385.00 Title Mining Engineer Date DEC - 8 1954

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE: Burk.

Signature W H King Title Executive Officer Date DEC 13 1954

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.

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

224 New Customhouse
Denver 2, Colorado

November 23, 1954

Memorandum

To: Chairman, Operating Committee

From: Executive Officer, DMEA Field Team, Region IV

Subject: Docket No. DMEA 3286 (Tungsten), Contract Idm-E699, J. L. Starnes, Poopout claims, Boulder County, Colorado.

Enclosed are the original and two copies of Amendment No. 1 to Contract Idm-E699, which has been executed to affect consistency between the recitation in Exhibit "A" and that of Article 4 of the contract form as discussed in your letter of November 4, 1954.

Copies of the amendment have been given to the Operator, Finance Office, Region IV, and a copy retained for our files.

W. H. King

Enclosures

RECEIVED
DEC 6 1954
GENERAL COUNSEL
DEFENSE MINERALS
ADMINISTRATION

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

400

224 New Customhouse
Denver 2, Colorado

November 18, 1954

Mr. J. L. Starnes
2800 Walnut Street
Boulder, Colorado

Re: Contract DMEA 3286 (Tungsten)
Contract Idm-E699

Dear Mr. Starnes:

Enclosed are the original and five copies of Amendment No. 1 to Contract Idm-E699, which we have prepared to establish a unit cost for assays to effect consistency between the recitation in Exhibit A and the provisions of Article 4 of the contract form which stipulates that all work is to be performed at an agreed unit cost.

Please sign all copies of the amendment and return them to this office, leaving the date blank.

Upon signature by the Executive Officer, DMEA Field Team, Region IV, for the Government, your copy of the amendment will be forwarded to you.

Yours very truly,

J. F. Shaw

J. F. Shaw for
W. H. King
Executive Officer
DMEA Field Team, Region IV

Enclosures

J-[illegible]

Copy to: [illegible], Operating Committee (2)
[illegible] Koschmann
[illegible]
J. Townsend

[illegible]
[illegible]

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

NOV 22 1954

224 New Customhouse
Denver 2, Colorado

November 16, 1954

Memorandum

To: Chairman, Operating Committee

From: Executive Officer, DMEA Field Team, Region IV

Subject: Docket No. DMEA 3286 (Tungsten), Contract Idm-E699, J. L. Starnes, Boulder County, Colorado.

Enclosed for your records are three copies of the DMEA Field Team, Region IV, approval for the performance of work as outlined under Stage II of the contract. Also enclosed are three sets of data relevant to the work approval.

for John T. Salow
W. H. King

Enclosures

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

224 New Customhouse
Denver 2, Colorado

November 9, 1954

Mr. J. L. Starnes
2800 Walnut Street
Boulder, Colorado

Re: Docket No. DMEA 3235
(Tungsten)
Contract Idm-E699

Dear Mr. Starnes:

Consistent with the stipulations contained in Exhibit A attached to Contract Idm-E699 relative to the performance of work under Stage II of the contract, this constitutes approval by the DMEA Field Team, Region IV, to perform Stage II work as outlined in the contract and as requested by your letter of October 29, 1954.

Very truly yours,

John F. Shaw
for W. M. King

for E. M. Hershman
A. H. Koschmann

DMEA Field Team, Region IV

JWT:dm
cc: Chairman, Operating Committee (3)
Amendment File
Subject
JWTownsend
AHKoschmann
WMTraver
Chron

November 9, 1954

DEPARTMENT OF THE INTERIOR
Bureau Mines Administration
NOV 22 1954

Memorandum

To: Mr. A. H. Koschmann AHK

From: D. R. MacLaren

Subject: DMEA Docket 3286, Contract Idm-E699, J. L. Starnes, Poopout Claim, Stage II, Boulder County, Colorado

Under the terms of Stage I of the subject contract, the shaft was down to a depth of 100 feet on November 2, 1954. This is the depth at which drifting under Stage II is to start. The vein has persisted to the bottom of the shaft with a nearly vertical dip between walls of granite. Intermittent streaks of ferberite up to five inches thick occur throughout the exposed depth of the vein. Therefore it is recommended that the operator be authorized to start drifting northeasterly as provided for under the terms of Stage II.

The remaining ten feet of shaft sinking is for the purpose of a sump and will not influence the above recommendation.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20, Room 137
Denver Federal Center
Denver 2, Colorado
November 8, 1954

Memorandum

To: Chief, Mineral Resources Branch, Mining Division, Region IV

From: R. L. Bolmer

Subject: DMEA 3286, Contract Idm-E699 (Tungsten), J. L. Starnes (Poop Out claims), Boulder County, Colo.--Recommendation regarding the start of Stage II

The performance of certain work authorized under Stage II of the subject exploration contract--drifting from the shaft northeasterly on the Poop Out vein, at a depth of 100 feet below the lower tunnel level--requires the prior written approval of the Government.

The Poop Out vein now exposed at the 100-foot depth in the shaft is well defined and contains a few inches of good grade ferberite mineralization. Drifting on the vein, as provided in the contract, appears warranted; and, therefore, it is recommended that the operator be given approval to proceed with the work under Stage II.

R. L. Bolmer
Mining Engineer

RLB/dj

cc: 8
E699
Chron

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
NOV 22 1954

J. L. Starnes
2800 Walnut Street
Boulder, Colorado

October 29, 1954

MR. W. H. Traver Jr.
Cheif, Mineral Resources Branch
Mining Division
Region 4, Bureau of Mines
Denver Federal Center
Denver, Colorado

Dear Mr. Traver:

Referring to exploration project contract on the Poopout Mining Claims in Boulder County, Docket No. DMRA 3286., Idm-R699., issued to J. L. Starnes, I wish to advise you of my change of address. I am now residing at the above mentioned address and I would appreciate all correspondence addressed to the Boulder address.

I also wish to request written approval of the DMRA Field Team, Region 4, for the permission to commence stage 2., under the terms of the above mentioned contract.

The sinking under stage 1., is now at a depth of 96 feet and we are preparing to construct the station from which we wish to start drifting 200 feet north-easterly on the poopout vein at a depth of 100 feet below the lower tunnel level.

Mineralization has increased considerably and we have managed to keep the vein on the wall of the shaft without bending the shaft to a high degree.

Thanking you for your prompt consideration, I remain,

Very truly yours

J. L. Starnes

J. L. Starnes

400

DOCKET
SURNAME
Rutledge
Martin
Selfridge
Mottendorf

NOV 4 - 1954

Mr. W. H. King, Executive Officer
DMEA Field Team, Region IV
224 New Customhouse Building
Denver 2, Colorado

Re: Docket No. DMEA 3206- Tungsten
J. L. Starnes
Peapeat claims
Boulder County, Colorado
Contract No. Idm-8699

Dear Mr. King:

Enclosed are two copies of a memorandum dated October 26, 1954, from the Acting Assistant Solicitor, Defense Minerals, on the subject contract.

The best way to include the cost of analyses on the short form contract is to indicate "r" number of analyses at an agreed unit cost. However, where actual costs are authorized on a short form contract, Article 4 of the contract should be amended to specifically allow the actual costs set forth in Exhibit "A".

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee (GCS)

APPROVED:

J. H. Hedges

Member, Bureau of Mines (JHH)

Thor H. Kiilsgaard

Member, Geological Survey (THK)

FARUTLEDGE:foc
10-29-54
cc to: Docket
Code 400
Adm. Reading File
Operating Comm.
FT. REG. IV
R. W. Geehan, USBM
Thor Kiilsgaard, USGS

P. S. - See Special Notices in following Operating Committee minutes: No. 207 - April 24, 1953, and No. 296 - November 23, 1953.

R.C.S.

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

November 3, 1954

Memorandum

To: Miss Curtin, Statistics and Control Division, DMEA

From: Hazel Berry, Operating Committee, DMEA
Ly257

Subject: Region IV Contract

Attached is the docket copy of a Region IV contract which has been reviewed and approved by the Commodity Division and the Audit Division. A memorandum was written by Mr. Hofflund and a letter to the Field regarding the contract cleared the Committee today.

J. L. Starnes, DMEA-3286, Idm-E699.

Attachment 1

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

Defense Minerals Administration
RECEIVED
DEC 6 1954

224 New Customhouse
Denver 2, Colorado

December 1, 1954

WSM

Memorandum

To: Secretary to the Operating Committee
Defense Minerals Exploration Administration

From: Executive Officer, DMEA Field Team, Region IV

Subject: Docket DMEA 3286 (Tungsten), Contract Idm-E699, J. L. Starnes (Poop Out Claims), Boulder County, Colorado - Operator's Monthly Progress Report for the period October 1954

Enclosed are two copies of the Operator's Monthly Progress Report, Form MF-104 and MF-104A, Operator's Narrative Report, Inspecting Engineer's Narrative Report, and other supporting data pertaining to work under the subject contract for the month of October 1954.

W. H. KING

W. H. King

Enclosures

Copy to: W. Traver, w/copy of report

sub
chron

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mf-104
Oct

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

224 New Customhouse
Denver 2, Colorado

November 15, 1954

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: DMEA Docket 3286 (Tungsten), Contract Idm-E699, J. L. Starnes (Poop Out claims), Boulder County, Colorado. Operator's Monthly Progress Report for the period October 1954.

Enclosed are the original and four copies of Form MF-104 and MF-104A, Narrative Report, and Engineer's Report for the above period.

Work has been completed as authorized by the contract. No documentation is required for work performed under contracts prepared on Form MF-200A, therefore we recommend that payment be made for 75 per cent of the amount reported by the Operator on Form MF-104, contingent on your verification of arithmetical accuracy within the report.

Check is to be sent to the operator at the following address: 2800 Walnut St., Boulder, Colorado.

Remarks:

Date of Report	October 30, 1954
Date Received in Field Office	November 1, 1954
Date Received in Region Office	November 12, 1954

W. H. King

Enclosures

RDB:dm
cc: Subject
Sec. to Oper. Comm. (2)
WMTraver
Chron

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20, Room 137
Denver Federal Center
Denver 14, Colorado
November 9, 1954

Memorandum

To: Executive Officer, DMRA Field Team, Region IV

From: Chief, Mineral Resources Branch, Mining Division, Region IV

Subject: DMRA 3286, contract Idm-E699 (Tungsten) J. L. Starnes (Poop Out claims) Boulder County, Colorado - Progress report for October 1954

Enclosed are the original and four copies of the subject progress report, the second one--forms MF-104 and MF-104A, with narrative and sketch--and the original and six copies of R. L. Bolmer's memorandum covering his inspection of the underground progress and checking the reporting forms. The contract is unit cost on short form MF-200(A) and no documentation is required.

Bolmer made his monthly routine inspection of the Poop Out property and verified the sinking of the shaft 68 feet as claimed by the operator on his MF-104A form and reported in his narrative. The shaft bottom has now been advanced to 98 feet below the tunnel level. Entries and extensions on the reporting forms are correct and all work was performed in conformance with the terms of the contract. Both the operator's narrative and inspecting engineer's covering memorandum describe adequately the month's activities and Bolmer by separate memorandum is recommending Region IV Field Team authorization of starting Stage II.

Payment is approved and certified on the MF-104 forms of $3,487.50, or 75 percent of the total $4,650.00 claimed by the contractor.

W. M. Traver

W. M. Traver

enclosures

cc 4
E699
DMRA Chron.

WMT/pah

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 25, Room 137
Denver Federal Center
Denver 14, Colorado
November 9, 1954

Memorandum

To: Chief, Mineral Resources Branch, Mining Division, Region IV

From: R. L. Bolmer

Subject: RMEA 3286, contract Idm-2699 (Tungsten) J. L. Starnes (Poop Out claims) Boulder County, Colorado - Progress report for October 1954

The progress reported by the operator for the October period--68 feet of shaft sinking--was verified during an inspection of the property November 1, 1954. On that date, the bottom of the shaft had been extended to a depth of 98 feet below the lower tunnel level.

The vein exposed during the period remained in granite and continued to carry intermittent tungsten mineralization. In the bottom 15 feet of the shaft, the vein zone itself is from 5 to 6 inches wide and contains up to 4 inches of brecciated horn quartz and a good grade ferberite. The material excavated from this section was considered a commercial grade tungsten ore and was saved.

Stage II of the subject contract--drifting northeasterly on the vein at a 100-foot depth--requires the prior written approval of the Government. Such approval will be recommended.

The work performed during the period conforms to the provisions of the subject exploration contract. The $4,650.00 total costs reported on the operator's MF-134 forms for the October period--equivalent to the confirmed 68 feet of shaft sinking at the agreed upon unit price of $75.00 per foot--are approved. Payment to the operator of 75 percent of the reported and approved amount, or $3,487.50, is recommended.

R. L. Bolmer
R. L. Bolmer
Mining Engineer

cc 6
Idm-2699
RMEA Chron.

RLB/pah

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

Budget Bureau No. 42-R1036.5

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Defense Minerals Administration
RECEIVED
DEC 8 1954

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of October, 1954 Docket No. DMEA 3286 Contract No. Idm-2698

Operator's Name J. L. Starnes Minerals Tungsten

Address 2800 Walnut St., Boulder, Colorado

Contract Amount, $14,000.00 Government Participation: 75 % Amount, $10,500.00

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) Development Short Form Contracts:						
Drilling	-	$500.00	$500.00			
Building	-	$300.00	$300.00			
Crosscutting	-	$700.00	$700.00			
Drifting						
Sinking	$4,650.00	$975.00	$5,625.00			
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	$4,650.00	$2,475.00	$7,125.00			

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

Date 10/30/54 *Payee J. L. Starnes

Per _____ Title J. L. Starnes

*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:

$3487.50

Signature Randell R. Cooper
(Authorized Certifying Officer)

Date 11-22-54 Vou. No. DMA 55339

(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. E699 in accordance with the terms of the contract.

Signature R. L. Palmer, $3,487.50 Title Mining Engineer Date NOV - 8 1954

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE: R. A. B.

Signature W. H. King Title Executive Officer Date NOV 15 1954

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

GPO 872893

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Defense Minerals Administration
RECEIVED
DEC 6 1954

Month of October 1954 Docket No. DMEA 3286 Contract No. Icm-2699
Operator's Name J. L. Sterner Minerals Tungsten
Address 2800 Walnut St., Boulder, Colorado

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting	foot	-	-	-	-	-	200	$30.00
Crosscutting								
Raising								
Shafts	foot	$4,650.00	62	$5,625.00	75	$75.00	85	$75.00
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
~~Test Pits~~ Surface Prep.	job	-	-	$500.00	job	$500.00	job	$500.00
~~Roads and Trails~~ Headframe	job	-	-	$300.00	job	$300.00	job	$300.00
Shaft Prep.	job	-	-	$700.00	job	$700.00	job	$700.00
TOTAL DISTRIBUTED COSTS								TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		$4,650.00	-	$7,125.00				$14,000.00

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

Date Oct 30, 1954 Operator J. L. Sterner
J. L. Sterner

Per ..... Title .....

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

REMARKS:

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

GPO 872894

(c).

A narrative report accompanying MF-104A on Docket No. DMA 3986 Contract No. Jdm-12899 Dropout contract. Submitted with "Operator's Monthly Report and Voucher," and "Operators Unit Cost and Progress Report,".

A total depth of 160 feet below the lower tunnel level has been recorded. The total footage made this month of October has been 62 feet of sinking and timbering within the terms of the contract.

Several shifts were lost due to bad air in the shaft and a blower and ventilating pipe has been installed. The result is satisfactory and the condition has been removed. Due to the depth and the occurrence of water electric caps have been adopted.

The vein remains strong and pronounced with good showings of mineralization and lead in the form of galena has made a showing. I believe the lead to be sporadic and possibly indicating a much older vein. The vein is reversing in dip, however it has been possible to keep the vein on the wall of the shaft. Guides and skids have been employed.

The granite remains hard and the many slips still show displacement and mineralization. Difficulty in obtaining even breakage due to the many slips has been experienced.

Commencing ~~September~~ Nov 1st we wish to install a good sound station in preparation of drifting and to cover the sump. I do trust there will be no delay in obtaining the permission to start work on the drifting under stage 2 of the contract.

No assaying has as yet been attempted, however tungsten ore of approximately 3 to 4 percent has been seen through the course of exploration.

Very truly yours, I remain

J. L. Stevens

J. L. Stevens

October 30, 1954

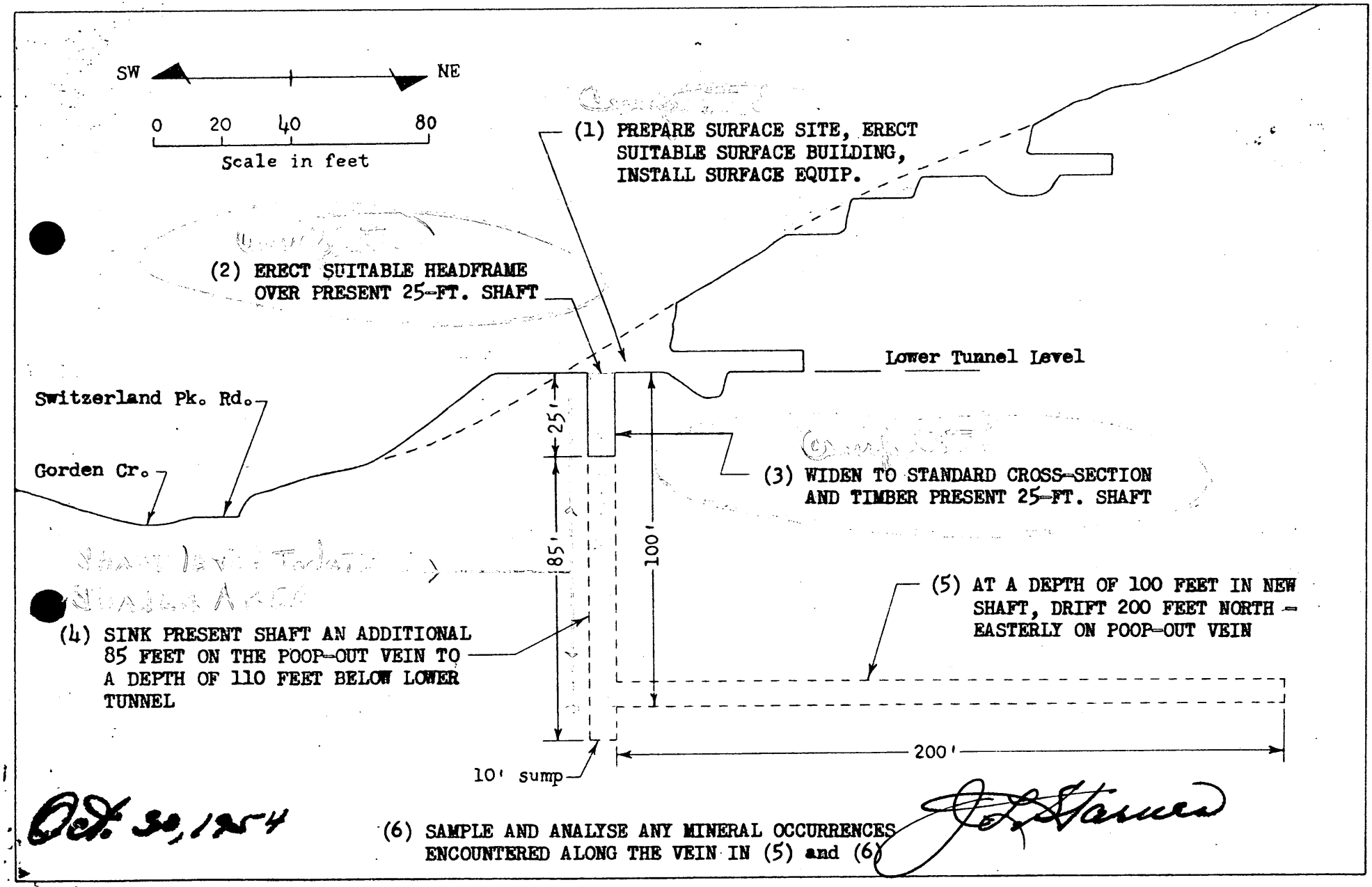


FIGURE 3 - LONGITUDINAL SECTION OF POOP-OUT VEIN, BOULDER COUNTY, COLO., SHOWING PRESENT WORKINGS AND PROPOSED EXPLORATION. DMEA 3286

Rubin

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

October 26, 1954

Memorandum

To: The Administrator, DMEA
Attention: Mr. W. S. Martin

From: Acting Assistant Solicitor, Defense Minerals

Subject: J. L. Starnes, Docket No. DMEA-3286, Contract Idm-E699 (Tungsten)

We have reviewed the subject contract executed in Region IV. It is a short-form contract (February 1952) and contains an item for the cost of assaying "a maximum of $125.00," a footnote thereto specifying that the assaying charges are "claimable" on actual-cost basis.

As Article 4 of the short-form contract provides for payment at unit costs for work expressed in terms of units of work, an estimate in Exhibit "A" of actual costs without any amendment of the Article 4 is inappropriate.

Article 5 of the contract in question requires that assay reports on samples taken concurrently with the advance in mineralized ground be submitted with progress reports. It would seem therefore that in a short-form contract where the item of cost for assaying is comparatively small and it is not desired to estimate the cost of assays in the regular unit-cost manner, in order to properly provide for the payment of actual costs the article concerning costs must be amended to provide for it.

J. L. Hofflund

J. L. Hofflund
Acting Assistant Solicitor
Defense Minerals

Attachment

HCRubin/emd
Copy to: DMEA Docket
Solicitor's Docket
W. S. Martin (2) J. L. Hofflund H. C. Rubin chron.

R.C.S.

400

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT 28 1954

224 New Customhouse
Denver 2, Colorado

October 26, 1954

Memorandum

WSM

To: Secretary to the Operating Committee

From: Executive Officer, DMEA Field Team, Region IV

Subject: DMEA Docket 3286 (Tungsten), Contract Idm-E699
J. L. Starnes (Poopout claims), Boulder County, Colo.

Enclosed are two copies of the Operator's Monthly Progress Report, Form MF-104 and MF-104A, Operator's Narrative Report, Inspecting Engineer's Narrative Report, and other supporting data pertaining to work under the subject contract for the months of August and September 1954.

W. H. King

W. H. King

Enclosures

MF 104 & P

...MENT OF THE INTERIOR
...Minerals Administration
RECEIVED
OCT 28 1954

224 New Customhouse
Denver 2, Colorado

October 8, 1954

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: DMEA Docket 3286 (Tungsten), Contract Idm-E699
J. L. Starnes (Poopout claims), Boulder County, Colorado.
Operator's Monthly Program Report for the period August and September 1954.

Enclosed are the original and four copies of Form MF-104 and MF-104A, Narrative Report, and Engineer's Report for the above period.

Work has been completed as authorized by the contract. No documentation is required for work performed under contracts prepared on Form MF-200A, therefore we recommend that payment be made for 75 per cent of the amount reported by the Operator on Form MF-104, contingent on your verification of arithmetical accuracy within the report.

Remarks:

Date of Report	September 30, 1954
Date Received in Field Office	October 4, 1954
Date Received in Region Office	October 7, 1954

W. H. King

W. H. King

RDB:dm

cc Sec. to Oper. Comm. (2)
WMTraver
Subject
Chron

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

OCT 28 1954

Region IV

Building 20, Room 137
Denver Federal Center
Denver 14, Colorado
October 6, 1954

Memorandum

To: Executive Officer, DMEA Field Team, Region IV

From: Chief, Mineral Resources Branch, Mining Division, Region IV

Subject: DMEA 3286, contract Idm-E699 (Tungsten) J. L. Starnes (Foopout claims) Boulder County, Colorado - Progress report for August and September 1954

Enclosed are the original and four copies of the subject progress report, the initial one--forms MF-104 and MF-104A, with narrative and sketch--and the original and six copies of R. L. Bolmer's memorandum covering his inspection of the project progress and checking the reporting forms. The contract is unit cost on short form MF-200(A) and no documentation is required.

Operations started August 23, and Bolmer on his inspection made October 1, 1954, verified the progress reported correctly in the narrative and entered on the MF-104A forms. This work, in conformance with Stage I of the contract, comprised site preparation, construction of a suitable shaft house, equipment installation, erection of a headframe, enlargement of the existing 23-foot deep shaft to required size, and sinking the shaft an additional 13 feet. Entries and extensions are correct on the reporting forms. The inspecting engineer describes the physical conditions encountered in the shaft sinking adequately stating that no ferberite mineralization is showing in the vein.

Payment is approved and certified on the MF-104 forms of $1,856.25, or 75 percent of the total $2,475.00 claimed by the contractor.

W. M. Traver

W. M. Traver

enclosures

cc 4
E699
DMEA Chron.

WMT/pam

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Building 20, Room 137
Denver Federal Center
Denver 14, Colorado
October 5, 1954

Chief, Mineral Resources Branch, Mining Division, Region IV

R. L. Bolmer

Subject: DMEA 3286, contract Idm-8699 (Tungsten) J. L. Starnes (Poopout claims) Boulder County, Colorado - Progress report for August and September 1954

Progress under the subject short-form contract was inspected with the operator on October 1, 1954.

Contract work commenced August 23, 1954. As provided under Stage I of the contract, the operator prepared a surface site near the portal of the lower tunnel, constructed a suitable surface shelter, and installed the necessary surface equipment. Considerable rock excavation was required to enlarge the surface area. Because of the topography, a 9- by 12-foot hoist room was excavated in a vertical cliff occurring some 25 feet south of the shaft. A single drum, geared hoist with its gasoline engine drive was installed in this excavation. A 30-foot, 4-post head-frame was erected over a newly constructed collar of the existing shaft. The existing 23-foot shaft was widened to a standard, two-compartment cross section and timbered so as to provide a manway and a hoisting compartment. Ladders were installed in the manway as close to the bottom as sinking operations would permit.

On the date of inspection, the shaft had been sunk 13 feet to a depth of 36 feet below the sills of the newly established shaft collar. The vein exposed in this distance continued nearly vertical in granite. On the southwest side of the new excavation, an 18-inch zone containing quartz and some ferberite was exposed. On the northeast side, the zone was about 12 inches wide and contained several narrow, closely spaced fractures. Most of these contained talc. A few showed up to 1/2 inch of horn quartz. No ferberite was exposed in the zone on this side of the shaft.

The work performed during the period conforms to the terms of the contract. The actual units of work reported have been completed to the satisfaction of the inspecting engineer. The $2,475.00 total costs reported for the period on the operator's MF-134 forms are approved. The total amount represents the following completed units of work at the unit prices agreed upon in the short-form contract.

1. Prepare surface site, erect suitable shelter and install surface equipment at $500.00 for complete job	$ 500.00
2. Erect headframe at $300.00	300.00
3. Widen, timber existing shaft at $700.00 for complete job	700.00
4. Sink shaft 13 feet at $75.00 per foot	975.00
Total reported and accepted costs	$2,475.00

Payment to the operator of 75 percent of the total accepted amount, or $1,856.25, is recommended.

L. N. Everett, for
R.L. Bolmer
Mining Engineer

cc 6
E699
DMEA Chron.

RLB/pam

Form MT-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.

Minerals Administration
RECEIVED
OCT 28 1954

OPERATOR'S MONTHLY REPORT AND VOUCHER

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

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Contractors: Short Form						
Drilling [illegible]	[illegible]	0	[illegible]			
Bulldozing [illegible]	[illegible]	0	[illegible]			
Crosscutting [illegible]	[illegible]	0	[illegible]			
Drifting						
[illegible]	[illegible]	0	[illegible]			
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	[illegible]	0	[illegible]	2475.00		2475.00

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

Date Sept. 30, 1954 *Payee J. L. Stanner

Per _____ Title _____

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

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

(Instructions on reverse)

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

$1856.25

Signature Randel R. Cooper
(Authorized Certifying Officer)

Date 10/22/54 Vou. No. DMA-55-29
(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 699 in accordance with the terms of the contract.

Signature T. A. Palmer, 1856.25 Title Mining Engineer Date OCT - 4 1954

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE: R.S.B.

Signature W S King Title Executive Officer Date OCT 9 1954

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-R1151.1
Approval expires 6-30-53.

Department of the Interior
Minerals Administration
RECEIVED
OCT 28 1954

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

Month of August and September 1954 Docket No. DMEA 800 Contract No. 10-2699

Operator's Name J. L. Stamen

Minerals Tungsten

Address 800 Colmit St., Boulder, Colorado

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT: Units	AUTHORIZED BY CONTRACT: Unit Costs
Drifting	foot	-	-	-	-	-	800	20.00
Crosscutting								
Raising								
Shafts	foot	975.00	13	975.00	13	75.00	65	75.00
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits surface prep.	job	500.00	job	500.00	job	500.00	job	500.00
Roads and Trails headframe	job	300.00	job	300.00	job	300.00	job	300.00
Shaft prep.	job	700.00	job	700.00	job	700.00	job	700.00
TOTAL DISTRIBUTED COSTS								TOTAL COSTS AUTHORIZED BY CONTRACT
~~Operating Equipment Purchased~~								
~~Initial Rehabilitation and Repairs~~								
~~New Buildings, Improvements, etc.~~								
TOTAL COSTS		2,475.00	-	2,475.00				14,000.00

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

Date Sept. 30, 1954 Operator J. L. Stamen

Per _____ Title _____

REMARKS:

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

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

GPO 83-38475

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT 28 1954

(c) A narrative report accompanying MF-1041 on Docket No. DMA 3290 Contract No. IDA-1690 Pegpaue contract.

Work on the above concerned August 23, 1954 and no unusual difficulties have as yet been encountered.

All surface preparation excluding the head-frame and the enlarging and timbering of the shaft has been completed and is in order to continue sinking.

To-date thirteen feet of sinking has been accomplished.

The vein remains as yet unchanged with small amounts of tungsten mineralization continuing with depth. The vein remains strong and pronounced with a steady dip towards the pegmatite dyke running parallel to the south.

The granite is becoming much harder and numerous small slips with small displacement show mineralization. As yet there has been little difficulty with drilling.

No assaying has been attempted.

September 30, 1954

J. L. Stephens

accompanying figure (3)- longitudinal section of Pegpaue Vein.

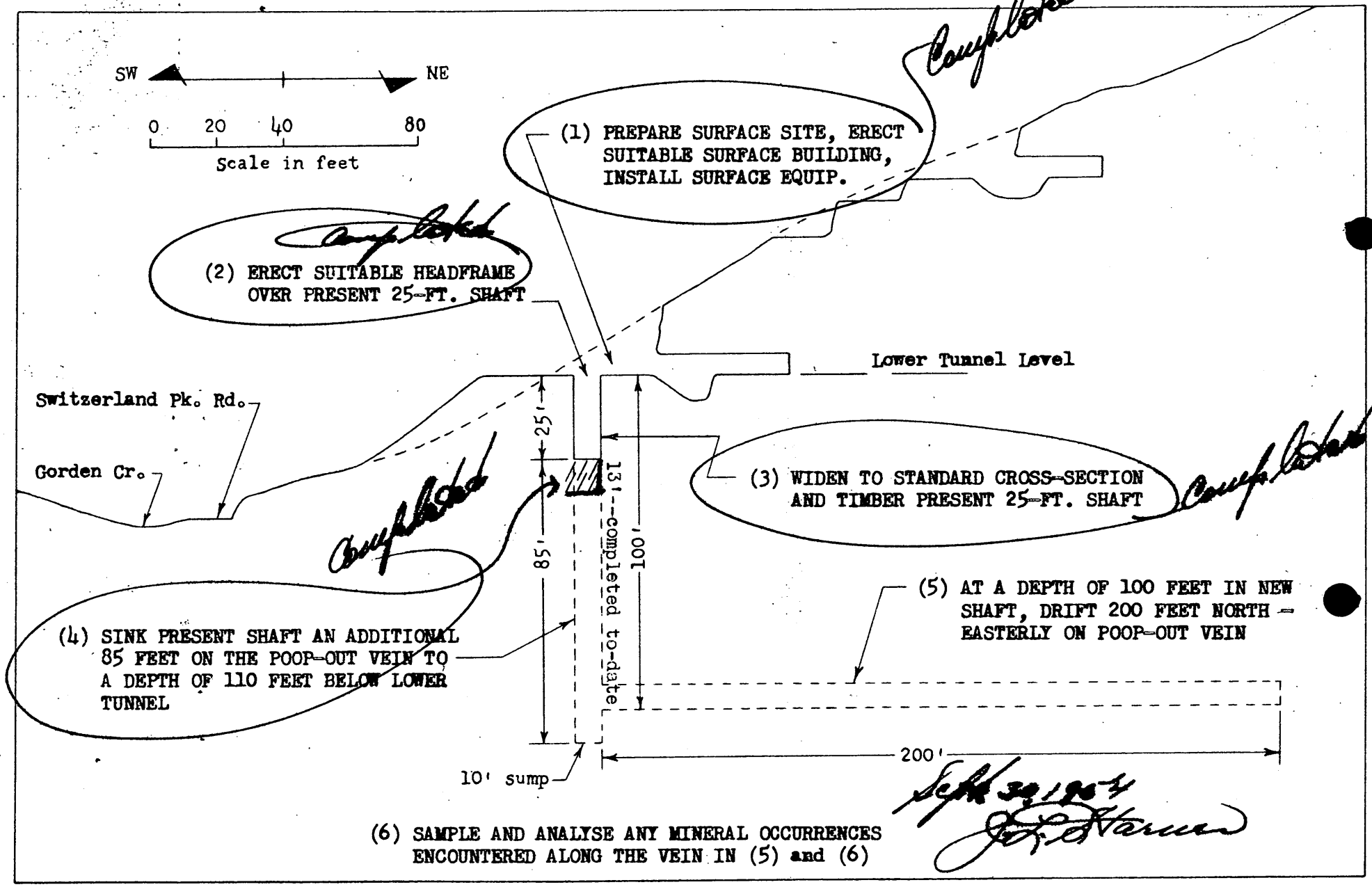


FIGURE 3 - LONGITUDINAL SECTION OF POOP-OUT VEIN, BOULDER COUNTY, COLO., SHOWING PRESENT WORKINGS AND PROPOSED EXPLORATION. DMEA 3286

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

224 New Customhouse
Denver 2, Colorado

August 23, 1954

Memorandum

To: Secretary to the Operating Committee, DMEA

From: Executive Officer, DMEA Field Team, Region IV

Subject: Docket DMEA 3286 (Tungsten), Contract Idm-E699, J. L. Starnes, Poopout Claims, Boulder County, Colorado

Enclosed are four copies of the report of examination and two copies of Form B on the subject Docket.

A contract has been prepared and is in force.

W. H. King

Enclosures

ON SITE EXAM

AUG 25 1954

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Mining Division
Region IV

August 10, 1954.

Memorandum

To: DMEA Field Team, Region IV

From: Chief, Mining Division, Region IV

Subject: Report of Examination - DMEA Docket 3286 (Tungsten), J. L. Starnes (Poop-Out claims), Boulder County, Colorado.

Enclosed are the original and eight copies of a Summary, Conclusions, and Recommendations by D. R. McLaren, Geological Survey, and R. L. Bolmer, Bureau of Mines, and the original and eight copies of Bolmer's engineering report on the subject docket.

The applicant requested $14,252.65 to sink 100 feet on the vein and drift 200 feet to explore the vein at depth.

The engineer examiner substantially approves the requests of the applicant but revises the program to include only 85 feet of new shaft and revises the total cost of the project downward to $14,000.00. These changes have been accepted by the applicant.

The question of ownership of the claims involved has been resolved and acceptable documents have been submitted and are filed with the application.

Government participation will be 75 percent of $14,000.00 or $10,500.00.

We concur in the above recommendations.

W H King
W. H. King

Enclosures

2 5 1954

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20, Room 137
Denver Federal Center
Denver 14, Colorado
August 4, 1954

Memorandum

To: Executive Officer, DMEA Field Team, Region IV

From: Chief, Mineral Resources Branch, Mining Division, Region IV

Subject: DMEA 3286 (Tungsten) J. L. Starnes (Poop-Out claims)
Boulder County, Colo.

Enclosed are the original and 8 copies of a Summary, Conclusions and Recommendations by D. R. MacLaren, Geological Survey and R. L. Bolmer, Bureau of Mines, and of Bolmer's engineering report on the subject docket.

Bolmer concludes that a modified exploration project approved by the applicant comprising 85 feet of sinking the Poop-Out shaft, presently 25 feet deep, with drifting 200 feet on a level to be established at 100 feet below an existing adit level, has reasonable good possibilities of resulting in a significant discovery of tungsten ore. He recommends the project outlined in his report at a cost of $75.00 a foot for shaft sinking and $30.00 a foot for drifting, a total of $14,000.00, Government participation 75 percent, or $10,500.00, suggesting a unit cost short form contract to include analyses.

I concur with his conclusions and recommendations and believe the contract should be set up in stages permitting cancellation by the Region IV Field Team on the completion or during any of the various stages.

The brochure forwarded with your memorandum of March 16, 1954, instructing us to prepare a suitable report is also enclosed. With it are a lease and quit claim deed from the owners of the Wildwood claim covering the area in conflict with the Poop-Out claim. These documents were submitted at various times after the application was made direct to this office.

W. M. Traver

W. M. Traver

Enclosures

WMT/ici

cc: 8
DMEA 3286
DMEA Chron.

IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Defense Minerals Exploration Administration
Denver Federal Center
Denver 2, Colorado

April 26, 1954

To: DMEA Field Team, Region IV

From: A. H. Koschmann

Subject: DMEA Docket 3286 (tungsten), J. L. Starnes, Peop-Out Claims, Boulder County, Colorado

Enclosed are 9 copies of the geologic report by D. R. MacLaren covering the subject DMEA docket.

The applicant proposes to explore a steeply dipping, ferberite - bearing vein by a 100-foot winze and a 200-foot drift, at an estimated cost of $14,252.65.

MacLaren concludes that there is a fair chance of making a significant tungsten ore discovery and recommends approval of the program as requested by the applicant. He further recommends that if the applicant proceeds with the contemplated exploration on the lower tunnel level, at the applicants expense, the results of this work be appraised before definite commitments are made authorizing the requested sinking and drifting with DMEA assistance.

Possible claim conflicts are being investigated by the U. S. Bureau of Mines.

I concur in these recommendations.

E. M. Hanshman
for A. H. Koschmann
Supervising Geologist
Colorado-Wyoming

UNITED STATES
DEPARTMENT OF THE INTERIOR
DOUGLAS McKAY, SECRETARY

DEFENSE MINERALS EXPLORATION ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM
REGION IV

DMEA 3286, Poop-Out Claims

J. L. Starnes

Boulder County, Colorado

Tungsten

D. R. MacLaren, Geologist
Geological Survey

R. L. Bolmer, Mining Engineer
Bureau of Mines

July 21, 1954

DMEA 3286

POOP-OUT CLAIMS
J. L. STARNES

BOULDER COUNTY, COLORADO

Summary, Conclusions, and Recommendations

By D. R. MacLaren
Geologist
Geological Survey

R. L. Bolmer
Mining Engineer
Bureau of Mines

DMEA 3286

POOP-OUT CLAIMS
J. L. STARNES
BOULDER COUNTY, COLORADO

SUMMARY, CONCLUSIONS, AND RECOMMENDATIONS

By D. R. MacLaren and R. L. Bolmer

J. L. Starnes of Denver, Colo., made application for aid in an exploration project pursuant to DMEA Order 1, Defense Production Act of 1950, as amended. The applicant proposed exploration of the Poop-Out mining claims in Boulder County, Colo. for tungsten. Specifically, he proposed to deepen a shallow shaft on the Poop-Out vein by 100 feet and to drift 200 feet on the vein at depth. He estimated the total cost of the proposed work at $14,252.65.

A narrow quartz-ferberite vein outcrops in granite along the southwestern end of the Poop-Out claim. Shallow surface workings indicate a small past production from intermittent tungsten occurrences along its outcrop. The applicant recently sank a 25-foot prospect shaft on the structure which encountered commercial grade ore on the vein for nearly its full depth.

The Poop-Out vein appears to be a fairly continuous structure occurring in favorable host rocks within a highly productive area of the Boulder County tungsten district. The vein itself contains tungsten mineralization, which, in one exposure at least, was of commercial grade. It was concluded from a field examination made April 6, 1954, and subsequent investigations that the vein warranted some deeper exploration and that there exists a fair chance of making a significant discovery through such work. Exploration as proposed by the applicant, with only slight modification, was considered technically feasible. An exploration

project involving certain preparatory work, 85 feet of shaft sinking, and 200 feet of drifting is recommended at an estimated total cost of $14,000.00 (Government participation 75 percent, or $10,500.00).

POOP-OUT CLAIMS

BOULDER COUNTY, COLORADO

DMEA DOCKET 3286

Geologic Report

By D. R. MacLaren
U. S. Geological Survey

POOP-OUT CLAIMS
BOULDER COUNTY, COLORADO

INTRODUCTION

J. L. Starnes of Dream Canyon, Sugar Loaf Route, Boulder, Colorado, has applied to the Defense Minerals Exploration Administration for aid to explore for tungsten in sec. 34, R. 1 N., T. 72 W., 6th P.M., Boulder County, Colorado. The applicant proposes to sink a winze 100 feet on the vein and to drift 200 feet from the bottom of the winze, at an estimated cost of $14,252.65 of which the Government's share will be $10,689.49.

The property, comprising two claims located end to end, is in Gordon Gulch about 1/8 of a mile north of the junction of Gordon Gulch and North Boulder Creek. Not more than 100 feet from a graded county road, the property is readily accessible throughout the year. An examination was made April 1, 1954, in the company of the applicant. It is concluded that the chances of making a significant discovery of ferberite ore are fair and it is recommended that the application be approved. The possibility of claim conflict is being investigated by the Bureau of Mines examiner.

GEOLOGY

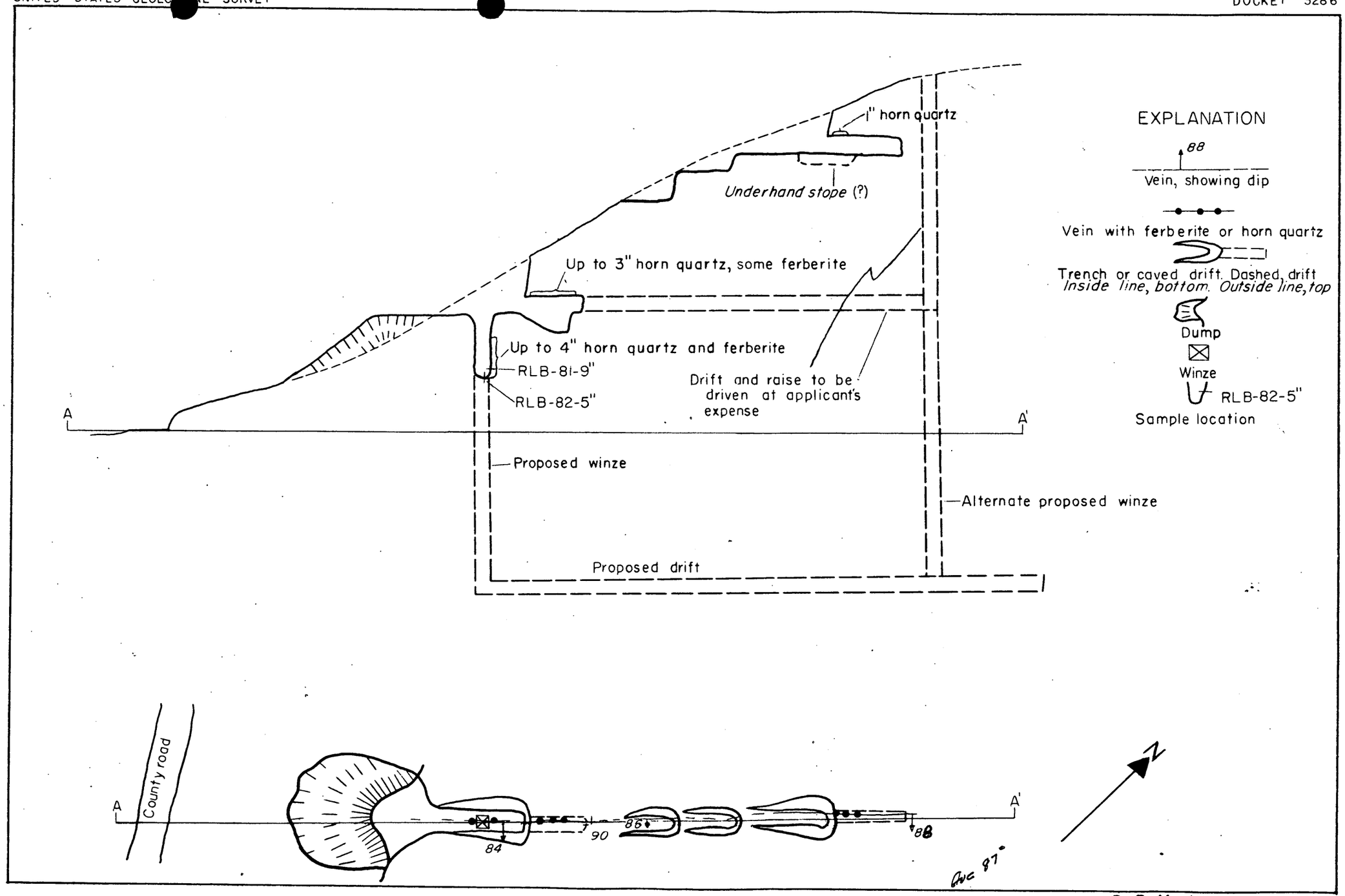
The geology of the immediate area is simple. Boulder Creek granite is cut by a fissure that strikes N. 41° to 45° E. and dips vertically to 84° south. The fissure has been filled by lenses of ferberite and horn quartz in a gangue of quartz and silicified granite. Two trenches, two short and partly caved tunnels, and a shallow winze have exposed portions of the vein for a horizontal distance of about 160 feet and a vertical distance of about 70 feet (figure 2). The first 25 feet of the upper tunnel has either caved or been stoped to the surface. A small vein

of horn quartz, up to 1 inch wide is in the tunnel back at the present portal but dies out within about 5 feet. A portion of the trench-tunnel bottom, about 20 feet long and filled with waste or debris, is said by the applicant to be a shallow underhand stope. The lower tunnel has caved or been mined to the surface for a distance of about 40 feet. From the present portal a vein of horn quartz up to 3 inches wide extends along the tunnel back a distance of about 18 feet. Below the vein is an underhand stope about 20 feet long. The stope bottom slopes steeply from the drift floor at the west end to a depth of about 9 feet below the floor at the east end. Near the original portal of the lower tunnel a winze has followed the vein to a depth of about 22 feet. For the first 8 feet in the winze, the vein is for the most part composed of narrow quartz stringers, but at 8 feet horn quartz appears and increases in width to about 4 inches toward the winze bottom. Several streaks, nodules, and vugs containing small to minute crystals of ferberite were observed in the lower portion of the winze, and one or two small streaks of ferberite were observed in the horn quartz in the lower tunnel. There is no record of the amount and grade of the ore that may have been mined, but it is likely that the tonnage was small. The location and assay value of samples taken by the U. S. Bureau of Mines examiner are shown in figure 2.

CONCLUSIONS AND RECOMMENDATIONS

The Poop-Out claims are in an area from which considerable ferberite has been produced, and there is limited evidence of ferberite in the Poop-Out vein. Therefore it is concluded that the chances of making a significant discovery of ferberite ore are fair and it is recommended that this application be approved. A few days after my examination of the property, R. L. Bolmer of the U. S. Bureau of Mines made an inspection and at that

time was informed by the applicant that he was considering extending the lower tunnel about 120 feet and raising from the face to the surface. The applicant further stated that he did not desire DMEA assistance for this work, but that he did want assistance to sink and drift below the tunnel at the new face (figure 2). Either approach could be recommended, but the deeper exploration would be better. However, should the applicant decide to extend the lower tunnel and to raise at his own expense, this work should be completed and another examination should be made before approving the proposed sinking and drifting.



D. R. MacLaren, April 1954

FIGURE 2. PLAN AND SECTION SHOWING WORKINGS, GEOLOGY, AND PROPOSED EXPLORATION, POOP-OUT CLAIMS, BOULDER COUNTY, COLORADO

40 0 40 Feet

DMEA 3286

POOP-OUT CLAIMS
J. L. STARNES
BOULDER COUNTY, COLORADO

Engineering Report

By R. L. Bolmer
Mining Engineer
Bureau of Mines

DMEA 3286

POOP-OUT CLAIMS
J. L. STARNES
BOULDER COUNTY, COLORADO

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Mineable ore reserves..... 7
Present status..... 7
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Conclusions.....10
Recommendations.....10

ILLUSTRATIONS

Figure — Follows page

1. Location map, Poop-Out Claims, Boulder County, Colo... 2

2. Claim map, sec. 34, T. 1 N., R. 72 W., 6th P.M., Boulder County, Colo., showing Poop-Out Claims..... 3

3. Longitudinal section of Poop-Out vein, Boulder County Colo., showing present workings and proposed exploration..... 4

DMEA 3286

POOP-OUT CLAIMS
J. L. STARNES
BOULDER COUNTY, COLORADO

ENGINEERING REPORT

By R. L. Bolmer

INTRODUCTION

J. L. Starnes, presently of 2609 Dexter Street, Denver, Colo., made application for aid in an exploration project pursuant to Defense Minerals Exploration Administration Order 1, under the Defense Production Act of 1950, as amended (Docket No. DMEA 3286). The applicant, locator of the Poop-Out and Poop-Out Extension mining claims in Boulder, County, Colo., proposed to explore that property for tungsten. Specifically and originally the applicant proposed deepening by 100 feet a shallow shaft on the Poop-Out vein and drifting 200 feet northeasterly on the vein at the new depth. He estimated the total cost of the proposed work as $14,252.65.

A suitable report on the application was requested by the DMEA Field Team, Region IV. The property was examined initially April 6, 1954, with the applicant. At that time there was some doubt as to the applicant's actual property rights and as to the ownership of the ground upon which the proposed work would be performed. The applicant also was very vague on how he wanted to explore the property and contemplated amending his original application. He was asked to clarify these details and to definitely decide upon what work Government assistance was being sought and in what manner it would be carried out. Since that time, the applicant has surveyed and relocated the Poop-Out claims and has secured the rights to an overlapping,

prior location. When last contacted, he had decided upon the exploration program as outlined in his original application.

This report is based on the field examination of the property and on several conferences held with the applicant and is submitted for the purpose of aiding the Field Team in evaluating the applicant's proposal.

LOCATION

The property is in sec. 34, T. 1 N., R. 72 W., Sixth Principal Meridian, Sugar Loaf mining district, Boulder County, Colo. (fig. 1). The claims are in Gorden Gulch about 1/8 mile north of the junction of Gorden and North Boulder Creeks. Boulder, Colo., the nearest commercial center, is about 7 miles due east of the property. The nearest custom mill is about 5 miles southwest of the property of Nederland, Colo. The property is accessible from the all-weather Sugar Loaf road, which branches from State Highway 119 west of Boulder or State Highway 160 north of Nederland. The secondary Switzerland Park road through Gorden Gulch crosses the property about 1/2 mile south of its junction with the Sugar Loaf road. The elevation of the property at gulch level is about 7,600 feet. The climate generally is mild and mining operations are possible all year.

The two claims are laid out end-to-end across Gorden Creek, a small but permanent stream. The Poop-Out claim extends up the steep and rocky eastern slope of the gulch. The other location extends westerly across the gulch bottom and onto the heavily timbered but more gentle eastern slope of Peewink Mountain. The nearby transmission lines of the Public Service Company of Colorado have not been extended to the property.

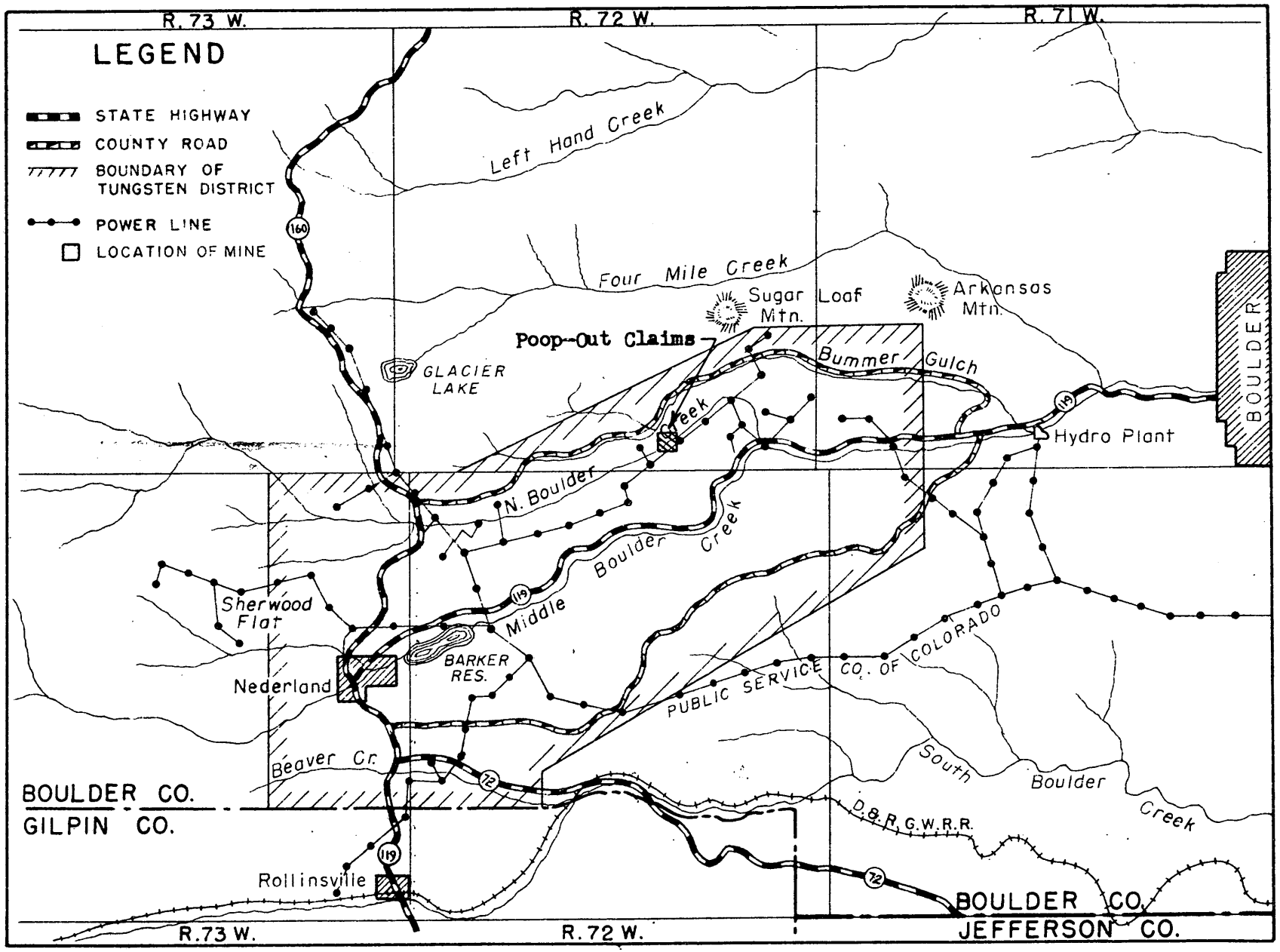

FIGURE 1 - LOCATION MAP, POOP - OUT CLAIMS, BOULDER COUNTY, COLO. DMEA 3286

OWNERSHIP AND EXTENT

The property consists of the two unpatented lode mining claims, the Poop-Out and Poop-Out Extension, shown on figure 2. Both are 1,500 feet in length and 600 feet in width. The amended location certificates for these claims were recorded in the name of the applicant on June 16, 1954, in Book 953 on pages 332 and 333 in the records of Boulder County. Copies of the amended locations have been furnished by the applicant and have been attached and are made part of his original application. The amended locations principally overlap two patented claims (Gorden Gulch Placer, Survey No. 17198 and Fraction, Survey No. 20251) and one prior located claim (Wildwood). The approximate location of the Wildwood is shown on figure 2. The applicant submitted a lease and later a quit claim deed from the recorded owners of this claim for that area in which it is in conflict with the Poop-Out claim. These documents also are being attached to and made part of the original application.

The portion of the Poop-Out claim considered for exploration is that section not in conflict with other patented property and occurring between its westerly end line (Side 6-7 of Gorden Gulch Placer) and its intersection with side line 1-2 of the Fraction claim. This section, some 1,000 feet in length, is considered sufficient for exploration purposes. Within this section, the observed or inferred projection of the Poop-Out vein outcrop, more or less follows the center line of the claim. Actually the vein can be traced for only a few hundred feet along the southwesterly end of the section and only 200 feet of that distance is proposed for exploration.

The applicant recently leased that section of the vein occurring above the lower tunnel level (fig. 3) to a second party with the stipulation that such lease shall not be in conflict with any provisions of an exploration project contract which may be granted. The applicant gave assurance that any mining or development from the tunnel level would not interfere, conflict with, or delay any approved project work. It is assumed that, if an exploration project is approved, any ore discovered above the tunnel level would be subject to the Government's percentage royalty; and recommendations for a project at the property are made conditional on that assumption.

HISTORY AND PRODUCTION

Nothing is known of the early history of the property. Reportedly, it was worked for a short period prior to World War I and then abandoned. The shallow surface pits and tunnels indicate that a small tonnage of tungsten ore was produced. The applicant relocated the vein March 12, 1954. His recent work involved cleaning out old prospect holes along the outcrop and sinking 25 feet at one location on the vein near the lower, southwestern slope of the Poop-Out claim. A fair grade of ferberite ore was opened on the vein by this work and a small tonnage of ore was produced and marketed. The upgraded crude ore was concentrated at the Hoosier mill and the concentrates marketed with Hetzer Mines, Inc., at Nederland, Colo. The applicant began and his sublessee is continuing to advance the lower tunnel northeasterly. Reportedly, the vein has improved and is mineralized.

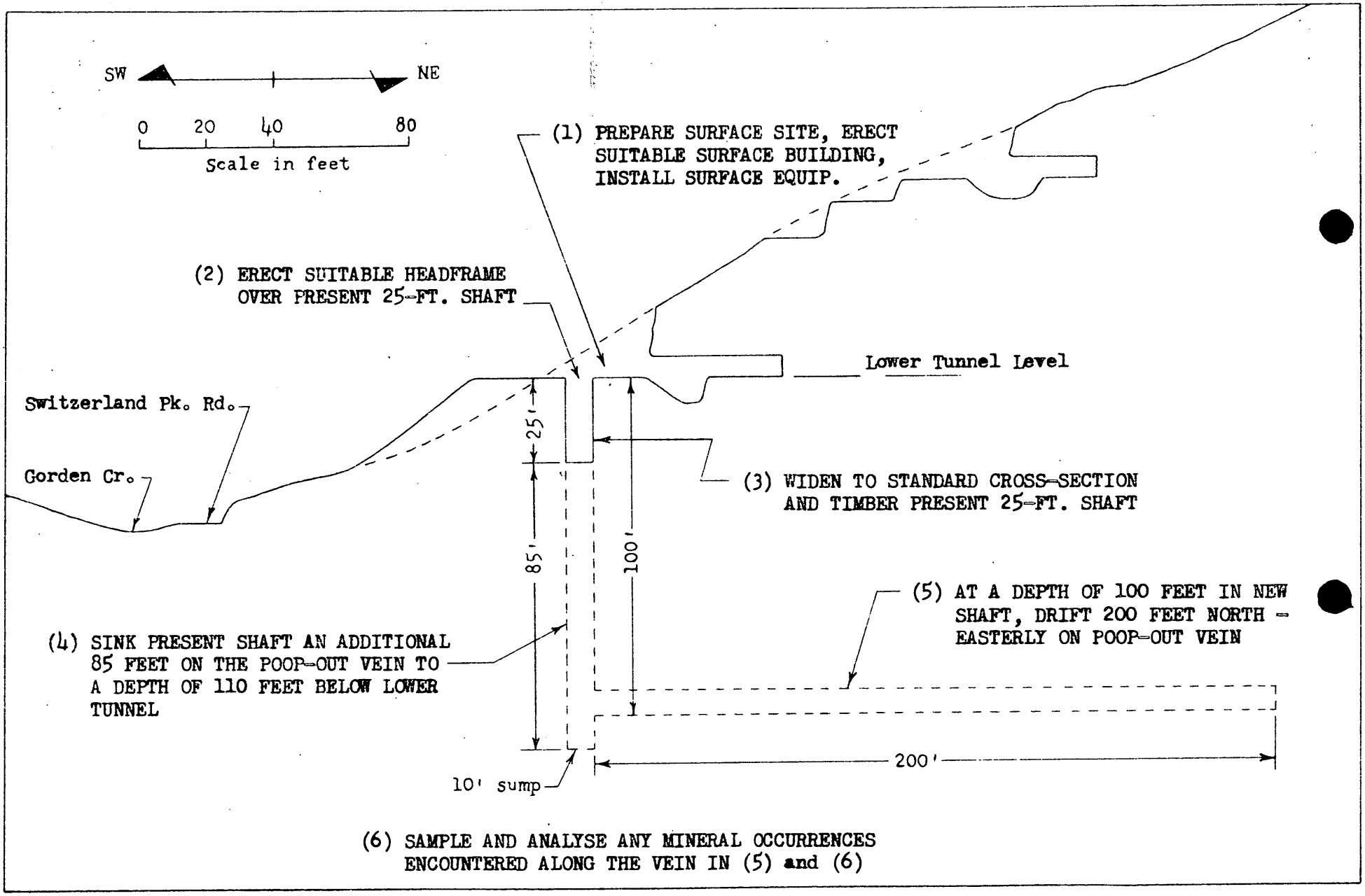

FIGURE 3 - LONGITUDINAL SECTION OF POOP-OUT VEIN, BOULDER COUNTY, COLO., SHOWING PRESENT WORKINGS AND PROPOSED EXPLORATION. DMEA 3286

Starnes' application states that the Poop-Out Extension covers the Peewink mine. Actually, the several located Peewink claims are farther westerly, near the top and on the southern slope of Peewink Mountain. The applicant's property, however, is located centrally within a highly productive area of the tungsten district. Several of the patented properties in section 34 (shown on fig. 2) and a few of the located claims (not shown) have a recorded or estimated production since 1900 as follows:

Claim	1900-53 Production (short ton units WO_3)
*Evening Post	2,000
*Oregon	40,000
*Quaker	15,000
*Hildegard	1,500
Peewink Group (located)	5,000
Pennsylvania, Annie Hughes	8,000
*Fraction	381
*Hillside	1,500
Miser Group	3,000
Ophir	8,000
*Lady Luck (located)	432
Rogers Tract (11 principal mines just S. of sec. 34)	48,800
South Slope, Nellie Bly, Jessie Spray	(small)

*Operated during 1953

DESCRIPTION OF THE DEPOSIT

A narrow, but apparently continuous fissure vein outcrops in granite along the lower, southwestern slope of the Poop-Out claim. The nearly vertical structure strikes parallel to the length of the claim. Its outcrop mostly is covered with overburden but can be traced intermittently for some 400 to 500 feet along the southwestern end of the claim by means of several shallow surface cuts and short drift adits on the structure (fig. 3). It has not been exposed on the

northeasterly two-thirds of the claim nor southwesterly on the Poop-Out Extension claim. The vein consists of a few inches of horn quartz and altered, brecciated wall rock and in places contains the ore mineral, ferberite ($FeWO_4$). The ore mineral occurs in narrow streaks and lenses along the vein and, in places, appears somewhat siliceous. Apparently, small pockets of ore were extracted from the shallow upper workings although only traces of mineral remain on the vein in these sections.

The vein contains 3 to 4 inches of horn quartz and small streaks of ferberite along the back and in the breast of the lower tunnel. This tunnel has been advanced a few feet northeasterly since the inspection and, reportedly, has exposed an improved structure (fig. 3). The bottom of the tunnel was underhanded but the stope presently is obscured with broken rock. Reportedly, ore was extracted below the level and yet is exposed on the vein in the bottom of the stope. The applicant sank on the mineralized structure at the portal of the tunnel and exposed ore grade mineral beginning almost immediately. The present depth of the shaft is about 25 feet below the lower tunnel level and is in ore. The small shipment of ore marketed recently by the applicant was derived from this source.

A sample taken across 9 inches of the mineralized vein zone in the bottom of the shaft assayed 1.90 percent WO_3 and 0.10 percent P. A sample across a 4 to 5 inch mineral streak exposed in the northeast end of the shaft at a depth of some 18 feet assayed 11.60 percent WO_3 and 0.07 percent P. The applicant proposed to deepen this shaft an additional 100 feet and to drift 200 feet northeasterly on the vein.

MINEABLE ORE RESERVES

The property contains no known or indicated reserves other than the ore recently uncovered in the shaft and lower tunnel. Tungsten ore shoots in the area are erratic and no attempt is made at estimating the extent of these present but limited exposures. The vein apparently is continuous, occurs in a favorable granite host rock, and contains discontinuous tungsten mineralization, which, in one area at least, is of ore grade. It is inferred from such geological evidence that the vein will contain other similar ferberite shoots, which probably will be of commercial grade but of small to moderate extent.

PRESENT STATUS

The property essentially has no facilities and very little mining equipment. The county recently constructed a short access road from the Gorden Gulch road to the dump below the portal of the lower tunnel. The applicant sank the shaft by means of a windlass. He owns the usual small mining equipment and hand tools and rents compressed air from the Hillside mine about 1/4 mile to the northwest in Gorden Gulch. The applicant has made some kind of arrangement for performing the proposed project work with John Oberly, Don Oberly and Jean Scohy who presently lease and operate the Hillside mine. These individuals are experienced and competent miners and own the additional mining equipment needed for undertaking the proposed work. The mining equipment owned either by the applicant or by the Hillside crew, which is considered necessary for the proposed project work and probably will be used thereon, is itemized below.

Item	Estimated present value
387 c.f.m. G-D. air compressor, Wakasha engine drive	$3,800.00

Item	Estimated present value
1 large and 1 small air receiver	$ 400.00
IR air hoist	200.00
Am. Derrick geared hoist, Dodge engine drive	360.00
2 hoisting buckets, 1 dolly car	120.00
Hoisting cable, sheave wheel, shaft bells, dumping plate	125.00
Atlas rock drill with pneumatic pusher	400.00
25 gal. water pressure tank; air and water hoses; line oilers	125.00
IR type 1A sump pump; 2-1/2 inch pump hose	350.00
Misc. hand tools (saws, picks, shovels, scaling bars, wrenches, rail bender, chain hoist, etc.)	120.00
Total estimated value	$6, 000.00

The present 25-foot prospect shaft will require widening to standard size and timbering before additional sinking, such as is proposed, can start. The shaft will require a suitable head frame with dumping facilities. The surface area surrounding the shaft collar is rather limited; some bulldozing--possibly some rock excavation--will be required before a shelter building necessary to house the compressor and hoisting equipment can be erected.

PROJECT PROPOSALS WITH COSTS

The exploration project recommended for the Poop-Out claim is as follows:

Recommended project work	Estimated time for completion (weeks)	Estimated cost
1. Prepare surface site near portal of lower tunnel, erect suitable shelter building, install surface equipment	2	$ 500.00
2. Erect suitable headframe over present 25-ft. shaft at portal of lower tunnel	2/3	300.00
3. Widen to standard cross section and timber present 25-ft. shaft at portal of lower tunnel	2	700.00
4. Sink present shaft an additional 85 feet on the Poop-Out vein to a depth of 110 feet below the lower tunnel	12	6,375.00

Recommended project work	Estimated time for completion (weeks)	Estimated cost
5. At a depth of 100 feet in the new shaft, drift 200 feet northeasterly on the Poop-Out vein	10	$ 6,000.00
6. Sample and analyze any mineral occurrences encountered along the vein in 4. and 5. above	--	125.00
Estimated time for completion	26-2/3 wks. or 6 months	
Total estimated cost		$14,000.00
Government participation at 75 percent		10,500.00

The work recommended above is modified slightly from that proposed by the applicant. The modifications, however, have been discussed with and are acceptable to him. It is understood that work can be started immediately upon approval of the project.

All project work recommended above is applicable to a short form, unit cost type of contract. The costs estimated for sinking and drifting were arrived at in the following manner:

	Sinking	Drifting
Labor and supervision		
Foreman at $117.00 per week	$1,404.00	$1,170.00
Miner-timberman at $91.00 per week	1,092.00	910.00
Miner-timberman at $91.00 per week	1,092.00	---
Mucker-trammer at $85.80 per week	---	858.00
Hoistman-compressorman at $85.80 per week	1,029.00	858.00
Operating materials and supplies		
Timber	260.00	150.00
Explosives	300.00	600.00
Pipe*	50.00	100.00
Track*	---	200.00
Gasoline, oil and grease	300.00	250.00
Drill steel, bits	130.00	300.00
Small tools, other misc. supplies	134.00	150.00
Operating equipment		
Depreciation of owned equipment at $100.per mo.	300.00	233.00

Miscellaneous	Sinking	Drifting
Repairs to equipment	100.00	200.00
Payroll taxes	93.00	76.00
Liability insurance	116.00	95.00
Total estimated costs	$6,400.00	$6,150.00
*less salvable items at 50% of cost	25.00	150.00
Net total costs	$6,375.00	$6,000.00
Units to be completed	85 feet	200 feet
Net unit cost	$75. per ft.	$30. per ft.

CONCLUSIONS

It is concluded that the proposed exploration of the Poop-Out vein, as outlined and recommended herein, is technically feasible. The work recommended will explore with greater depth a fairly strong and continuous vein, which occurs within a productive area of the Boulder tungsten district and which does contain tungsten mineral and has had a small past production. The geological report on the application concludes that there does exist a fair chance of making a significant discovery.

The applicant, himself, probably is not too experienced as a miner or mine operator. If, as he has indicated, the present operators of the Hillside will perform the project work, then the proposed exploration program probably will be carried out efficiently and in a workmanlike manner.

RECOMMENDATIONS

The exploration project outlined in this report and estimated to cost a total of $14,000.00 is recommended.

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

224 New Customhouse
Denver 2, Colorado

August 20, 1954

REGISTERED

Memorandum

To: C. O. Mittendorf, Administrator, DMEA

From: Executive Officer, DMEA Field Team, Region IV

Subject: Docket DMEA 3286 (Tungsten), Contract Idm-E699, J. L. Starnes, Poopout Claims, Boulder County, Colorado

Enclosed are the original and two copies of Contract Idm-E699.

Copies of this contract have been given to the operator, the Fiscal Officer, Region IV, and a copy has been retained for our files.

W H King
W. H. King

Enclosures

RECEIVED
OCT 22 1954
GENERAL COUNSEL
DEFENSE MINERALS
ADMINISTRATION

WHChamberlain/la/8-20-54

IMEA - Department of the Interior

14X4401(01) Revolving Fund, Defense Production Act, Interior (Allocated Working Fund to Office of the Secretary)

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T E L E T Y P E

MR. W. H. KING, EXECUTIVE OFFICER
IMEA FIELD TEAM, REGION IV
BUREAU OF MINES
224 NEW CUSTOMHOUSE BUILDING
DENVER 2, COLORADO

REURTEL 8/19/54 CONTRACT NO. IDM-B699 ASSIGNED TO DOCKET NO. IMEA-3286.

J. L. STARNES.

C. O. Mittendorf (for)

C. O. MITTENDORF, ADMINISTRATOR

la/8-20-54

Copy to: Adm. R. File
~~Mails~~ & Files
Mr. Adams

SENT
AUG 20 1954
Clerical Service Section

E-699

Chairman, Operating Comm. D.

8-19-54
3:38 P.M.

Defense Minerals Administration
RECEIVED
AUG 20 1954

DN 235 BUR MINES 8-19-54 12-38 PM

CHAIRMAN OPERATING COMMITTEE, DMEA

PLEASE ASSIGN A NUMBER TO CONTRACT DOCKET NO. DMEA 3286 J. L. STARNES, DREAM CANYON, SUGAR LOAF ROUTE, BOUKXXX BOULDER, COLORADO, COMMODITY TUNGSTEN. CONTRACT DATED AUGUST 19,1954. PROPERTY IN BOULDER COUNTY, COLORADO. AMOUNT OF GOVERNMENT PARTICIPATION $19,/ XXX $10,500.00. TOTAL AMOUNT OF CONTRACT 4 XXX $14,000.00.

W H KING

1540

Denver, Colo.

AUG 20 7 56 AM '54
BUREAU OF MINES
MAIL ROOM
WASHINGTON, D.C.

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

224 New Customhouse
Denver 2, Colorado

August 11, 1954.

Memorandum

To: Secretary to the Operating Committee, DMEA

From: DMEA Field Team, Region IV

Subject: Report of Examination - DMEA Docket No. 3286 (Tungsten), J. L. Starnes (Poop-Out claims), Boulder County, Colorado.

The application for Government assistance in exploration work estimated to cost $14,000.00 has been approved by us and a contract is being prepared.

Government participation will be 75 percent or $10,500.00.

Four copies of the Report of Examination and two copies of Form 3b will be forwarded when the contract is processed.

W. H. King

W. H. King

E. N. Hauckman

per A. H. Koschmann

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

224 New Customhouse
Denver 2, Colorado

March 19, 1954.

Memorandum

To: Administrator, Defense Minerals Exploration Administration
Attention: Code 200

From: Executive Officer, DMEA Field Team, Region IV

Subject: Docketing for Exploration Assistance

Enclosed herewith in duplicate is DMEA Form 3a and MF-103 and supporting data pertaining to the following application for Government assistance in exploration work:

J. L. Starnes (Tungsten)
Dream Canyon
Sugar Loaf Route
Boulder, Colorado

W. H. King

Enclosures

noted by
WSM
on 6-23-54.

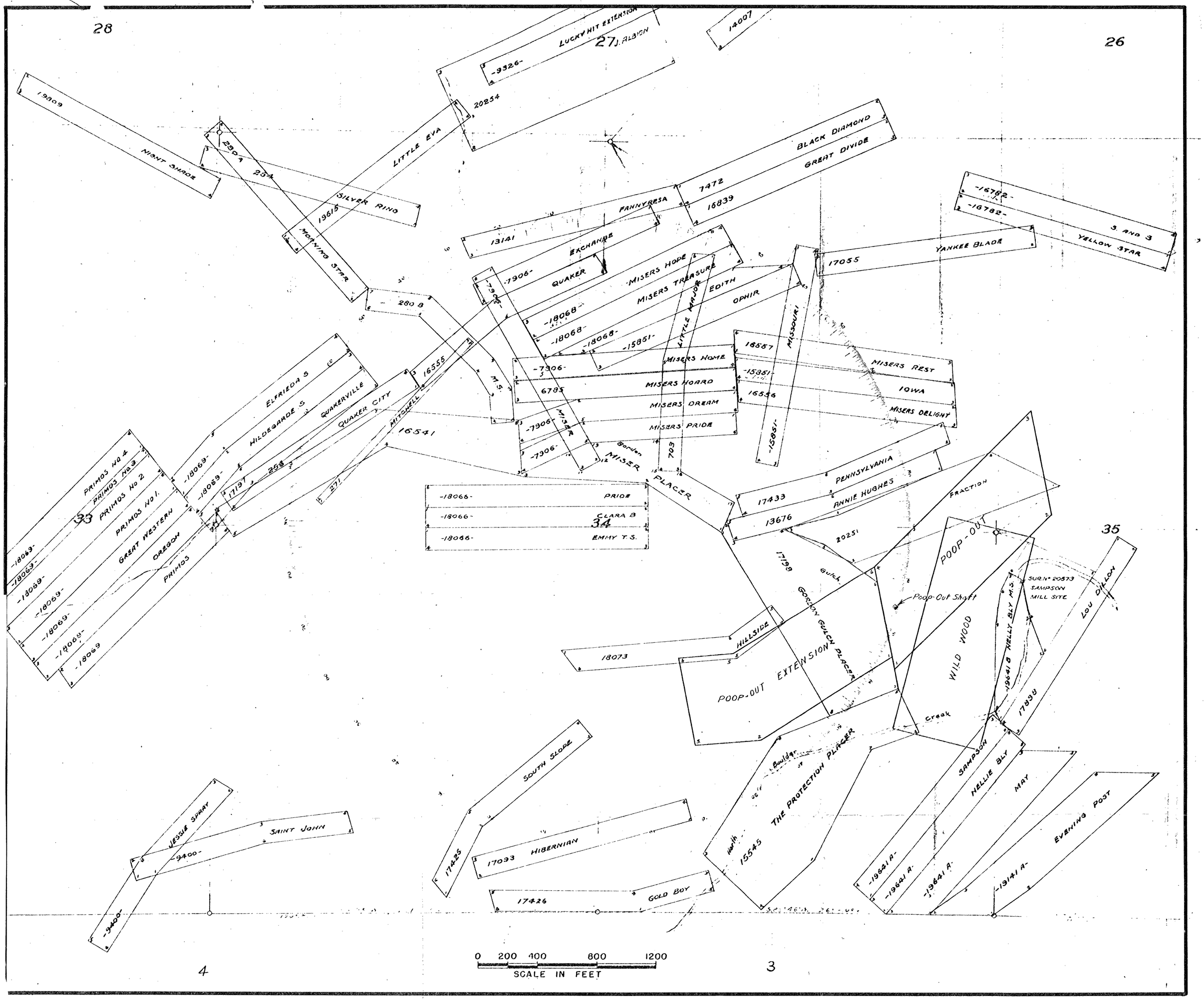

FIGURE 2 - CLAIM MAP, SEC. 34, T1N, R72W, 6TH P.M., BOULDER COUNTY, COLO., SHOWING POOP-OUT CLAIMS (DMEA 3286)