DMEA 3684

DOCKET INDEX

ACTION DOCUMENTS

1	APPLICATION	DATE RECEIVED 2-14-55
2	CONTRACT	DATE 6-21-55
3	TERMINATION AGREEMENT	DATE 7-2-56
4	CERTIFICATION	DATE
5	AUDIT REPORT	DATE
6	AMENDMENTS - NUMBERS	DATE

Docket Copy

RECEIVED
JUL 26 1956
"Appl. Dal. Off."

Indrity
Dunyer 6/26/56
Harnold
Selfridge
Jefferson

TERMINATION AGREEMENT

It is agreed this 2nd day of July, 1956, between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration and Ogle Swingle, parties to Exploration Project Contract Idm-E821, Docket No. DMEA-3684, dated June 21, 1955, that:

1. Effective October 1, 1955, the Contract and all obligations of the parties thereunder, except as otherwise herein expressly provided, shall be and are hereby terminated.

2. The Government shall contribute only to the fixed unit costs of work performed prior to said effective date.

3. The Operator shall promptly perform all winding-up and settlement actions provided for in the Contract, including the rendering of the final report and final account. All rights of the Government under the Contract with respect to records, audits, and recovery of any overpayment are preserved.

4. The Operator hereby releases and agrees to save the Government harmless from all claims or demands under or arising out of said Contract, except as otherwise provided in this Termination Agreement.

IN WITNESS WHEREOF, these parties have executed this agreement as of the day and year first above written.

THE UNITED STATES OF AMERICA

By C. Mitteaudorf
Administrator, Defense Minerals
Exploration Administration

Selfridge

Ogle Swingle
Ogle Swingle, Operator

Docket Copy

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MF-200A
(Revised June 1954)

Docket No. DMEA-[illegible]

Commodity Lead-Zinc

Contract No. Idm-E 821

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

It is agreed this 21st day of June, 1955, between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, hereinafter called the "Government," and [2] Dale Swingle

whose mailing address is Gerlach, Nevada

hereinafter called the "Operator," as follows:

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

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

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

(b) The Operator represents and undertakes that:

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

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

(c) The Subordination Agreement of the holder of any claim, lien, or encumbrance listed above, and (if the Operator does not hold the legal title) the Consent to Lien of any holder of the legal title of the land (lessor, seller, optionor, etc.), are attached, as follows:

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

16—70818-1

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

ARTICLE 3. *The exploration project.*—The project is a search for indicated or undeveloped deposits of lead and zinc. The work to be performed is described in Exhibit "A." The Operator on or before August 15, 1955 shall commence the work, and on or before July 1, 1956 (unless the Operator's obligation to complete the work is terminated—see Article 8) shall complete the work.

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

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

ARTICLE 5. *Contribution by the Government.*—A fixed cost for each unit of work to be performed (per foot of drifting, per foot of drilling, per hour of operations, etc.) is hereby agreed upon, and is set forth in Exhibit "A" in connection with the estimated total cost of the project in the sum of $15,300.00 The Government will contribute 50 percent of the fixed unit costs as work is performed, in a total sum not in excess of $7,650.00: *Provided,* That until the Operator has rendered to the Government his final report, and any final auditing required by the Government has been made, and a final settlement of the contract has been made, the Government may withhold from the last voucher or vouchers such sums as it sees fit not in excess of 10 percent of the estimated total cost of the work. The Government will make its contribution on the basis of the monthly vouchers referred to in Article 6(b), but all payments by the Government are provisional only, subject to audit, until the account between the Operator and the Government is finally audited and settled. To the extent that excesses over fixed unit costs or any excess over the estimated total cost may be necessary for the performance of the work, the Operator shall incur and pay such excesses for his own account without contribution by the Government. The Government may make payments directly to independent contractors and suppliers for the account of the Operator rather than to the Operator.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

ARTICLE 11. *Changes and added provisions.*—

Executed in sextuplicate the day and year first above written.

Ogle Swingle

OGLE SWINGLE
(Operator)

THE UNITED STATES OF AMERICA

By O. Meitheudorf

Administrator, Defense Minerals Exploration Administration

Rubin

"Appd. Sol. Off."

Insured

Talbert

Selfridge

H. J. Swan

BY .....

.....

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

.....

[CORPORATE SEAL]

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

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EXPLORATION PROJECT CONTRACT
OGLE SWINGLE
DOCKET NO. DMEA-3684

ANNEX I

The land referred to in Article 2 of the contract consists of the following mining claims:

UNPATENTED CLAIMS OWNED BY OPERATOR

Colorado

Colorado No. 1

Anchor

PATENTED CLAIM OWNED BY OPERATOR

Tahoqua, patent number 3178

All of the above claims are shown on the attached map entitled "Plan Map Showing Proposed Exploration, Leadville Mining District."

RECEIVED
JUL - 5 1955

EXPLORATION PROJECT CONTRACT
OGLE SWINGLE
DOCKET NO. DMEA-3684

EXHIBIT "A"

Description of the Work

The purpose of the project is to explore for ores of lead and zinc. The work is divided into two stages, 200 feet of drifting under Stage I and 300 feet of drifting under Stage II, or a total of five hundred feet of drifting, all in a southwesterly direction on the New Vein at the level of the Swingle crosscut tunnel. All drifting shall be timbered as necessary and shall be a minimum size of 5 feet by 7 feet in cross section, in the clear of timber.

The Operator shall perform all of Stage I and so much of the work under Stage II as is approved in writing in advance by the Government.

All work is shown in red on the attached Plan Map.

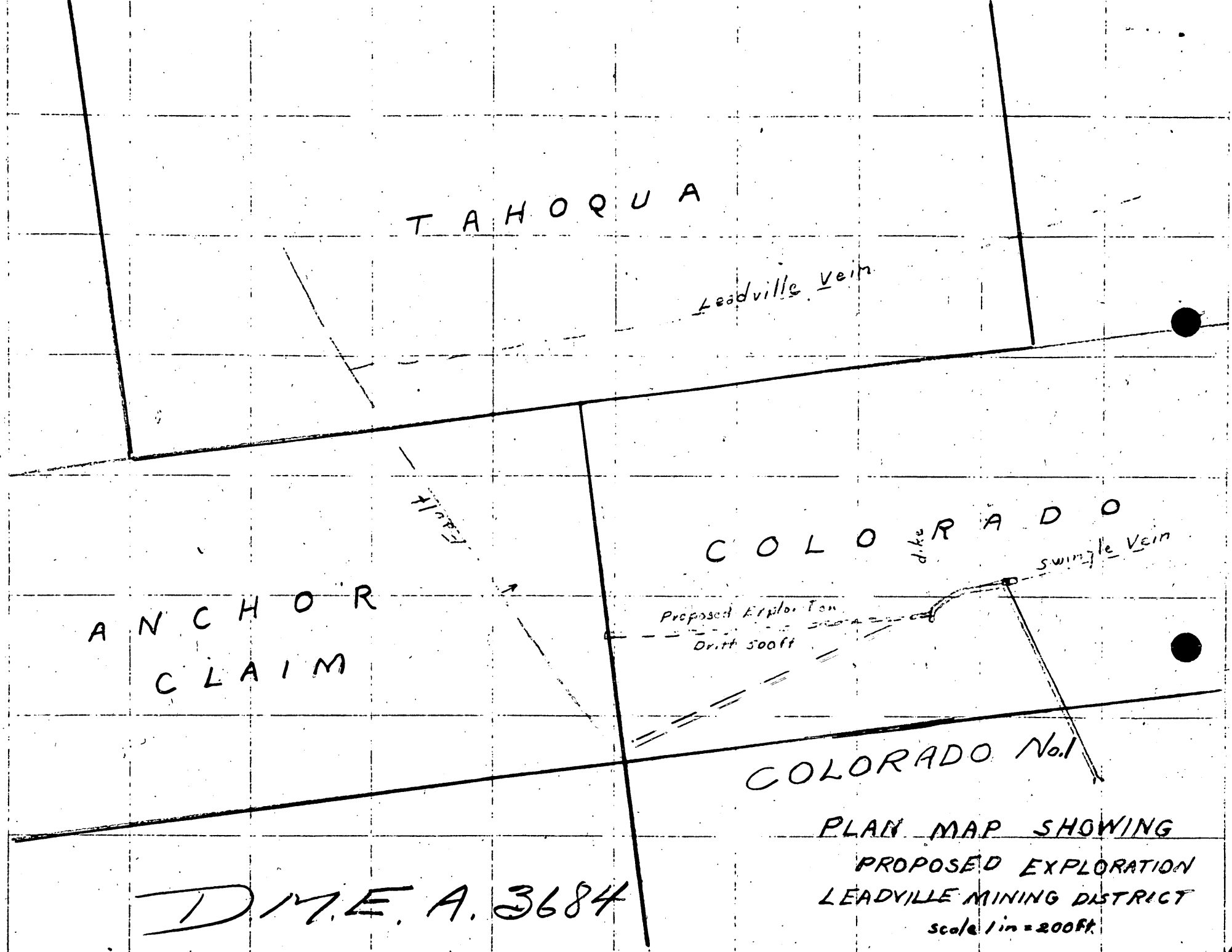
FIXED UNIT COSTS
(The unit costs include all costs whatsoever necessary to complete the work)

STAGE I

200 feet of drifting @ $30 per foot	$ 6,000.00	
40 samples assayed for silver, lead and zinc @ $3 per sample	120.00	$ 6,120.00

STAGE II

300 feet of drifting @ $30 per foot	$ 9,000.00	
60 samples assayed for silver, lead and zinc @ $3 per sample	180.00	$ 9,180.00
Estimated Total Cost of the Project		$15,300.00
Government's Participation @ 50%		$ 7,650.00


TAHOQUA
Leadville Vein
Fault
ANCHOR CLAIM
COLORADO
dike
swingle Vein
Proposed Exploration Drift 500ft
COLORADO No.1
PLAN MAP SHOWING
PROPOSED EXPLORATION
LEADVILLE MINING DISTRICT
scale 1 in = 200ft.
DMEA. 3684

November 6, 1957

Memorandum

To: Jay L. Chambers, Director
Division of Contract Administration & Audit

From: Director, Division of Base Metals

Subject: Concluded Projects

The following dockets are closed and no further action remains. No closing letters are being sent due to excessive time lag but please consider them as having been finalized.

Contract No.	Docket No.	Name
Idm-E21	DMEA-1100	United Park City Mines Company
Idm-E279	DMEA-2044	Harry E. Briggs
Idm-E546	DMEA-2856	Newberg Ores. & Sloan, Inc.
Idm-E709	DMEA-3198	Chewelah Copper Company, Inc.
Idm-E798	DMEA-3396	Tuba Dike Mines, Inc.
Idm-E821	DMEA-3684	Ogle Swingle
Idm-E878	DMEA-3605	Hurst Majors
Idm-E966	DMEA-4111	Parker Mining & Development Company

W. R. Griswold

W. R. Griswold

WRG/er
Copy to: Docket
Admr R File
Mr. Dakan, Code 200
Chron.

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

RECEIVED
OCT 25 1956

October 24, 1956

Re: DMEA-3684; Lead-Zinc;
Contract Idm-E-821
Ogle Swingle
Leadville Mine
Washoe County, Nevada

Memorandum

To: W. R. Griswold, DMEA

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

Subject: Review of field team final report dated October 8, 1956, received October 18, 1956

The project work begun June 28, 1955, was planned to explore a new vein parallel to the Swingle vein. However, after but 10 feet of work, the drift joined the old caved drift on the Swingle vein, demonstrating that the new vein was only a minor split of the previously explored vein. Rehabilitation of 105 feet of the old drift at the applicant's expense, failed to expose the drift-face and the work was terminated after the expenditure of but $300 of the $15,300 set-up for exploration.

I concur with the recommendation of the field examiners and field team that a certificate of discovery should not be issued.

O. M. Bishop
O. M. Bishop
Commodity Specialist
Branch of Base Metals

cc: Division of Minerals
Mr. Kiilsgaard, Rm. 5222
Mr. Lamb, Rm. 3608
Branch of Base Metals (2)
Files

DMEA

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

RECEIVED
OCT 12 1956

1605 Evans Avenue
Reno, Nevada

October 10, 1956

Memorandum

To: Operating Committee, DMEA, Interior Bldg.
Washington 25, D. C.

From: Executive Officer, DMEA Field Team, Region II

Subject: Docket No. DMEA-3684 (Lead-Zinc)
Ogle Swingle
Leadville Mine
Washoe County, Nevada
Contract No. Idm-E 821

Enclosed are four copies of our Final Report by H. W. Jones, Bureau of Mines, and R. G. Reeves, Geological Survey, on subject Contract.

Roscoe Smith and I concur in the recommendation that a certificate of discovery should not be issued.

S. Ricker

Encls.

Reviewed by
DMEA OPERATING COMMITTEE
10-17-56
(date)

[illegible]
[illegible] PLAN REPORT
Date 10-18

Referred to:

1. ~~Mr. Whitehead~~
2. ~~Mr. [illegible]~~
3. ~~Mr. Chambers~~
4. ~~Mother Control~~ Mails and Files
5. Division
6. ~~Project Control~~ Mails and Files

Note comments in report regarding:

1. Finished! N. G.

2.

3.

4.

and take appropriate action.

- - - - - - - -

Action taken by Division:

Robert Adams

Oct 12 8 58 AM '56
[illegible]
WASHINGTON, D.C.

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ILLUSTRATIONS

Figure 1 . . . . . Location map

2 . . . . . Swingle Workings, Leadville mine

INTRODUCTION

The Swingle mine at Leadville, Washoe County, Nevada was explored by Ogle Swingle, Gerlach, in cooperation with the Defense Minerals Exploration Administration, docket DMEA-3684, contract Idm-E821 dated June 21, 1955. Work was started June 28, 1955 and was terminated by mutual agreement on July 2, 1956 as a result of an examination made June 7, 1956.

The purpose of the project was to explore a "New" vein parallel to the Swingle vein. Exploration determined it to be a short branch of the Swingle vein that joined the main vein.

CONCLUSIONS AND RECOMMENDATIONS

No ore was discovered as a result of the project work and it is recommended that no certificate of discovery be issued.

The Swingle vein is reported by the applicant to have been less than 2 inches wide, and to contain but a few tons of high-grade lead-silver ore throughout its exposed length. No exploration target remains, and it is recommended that no further DMEA assistance be granted.

There was no production from the mine during the course of the project and the Government was not entitled to royalty payments.

LOCATION, ACCESSIBILITY, AND LOCAL FACILITIES

The Leadville district is on the east flank of Mt. Fox in the Granite Range, 38 miles by road north of Gerlach, Nevada (fig. 1). The Swingle claims are in T. 37 N., R. 23 E., M.D.B.&M., at an altitude of 6,000 feet.

The property is reached from Gerlach by travelling west along State Highway 81 for three miles. Turn right on gravelled State Highway 34 and follow the partially improved road along the western edge of the Black Rock Desert (twelve miles), over a small pass, across an alkali flat, and up a narrow canyon, a total of 22 miles. Turn left on the road leading to the Leadville mine buildings and continue on the left fork for one mile to the Swingle mine.

The State highway beyond Gerlach is maintained only during the summer months. In winter the road is impassable for short periods and travel to the mine area is difficult.

No manpower is available in the district. Men, equipment, and supplies for other than a very small operation would have to be obtained from outside sources. Reno, approximately 115 miles (airline) south of the property, is the nearest source for major supplies and equipment. Some labor and supplies may be obtained at Gerlach. Sufficient water for mine and domestic use is piped from local springs. Electric power is not available.

PROPERTY

The claims included in the application are the unpatented Anchor, Colorado, Colorado No. 1 lode claims and the patented Tahoqua claim, pat. No. 3178. All unpatented claims are held by right of location, and the patented claim owned by the applicant.

Swingle vein. Underground workings consist of a 374-foot crosscut to the Swingle vein, a 70-foot inclined winze on the vein at the intersection of the crosscut and the vein, a small partly caved drift and stope east of the winze, and a drift extending westerly for a reported 200 feet along the vein. The west drift is now open for 195 feet.

A few tons of high-grade ore reportedly have been shipped from the Swingle vein, but no shipments were made during the DMEA project.

Leadville mine. The Leadville mine adjoins the Swingle vein about 500 feet north of the Swingle workings. Except for the few tons of high-grade ore from the Swingle vein, all of the production of the district has been from the Leadville vein of the Leadville mine.

Over 50,000 tons of lead-silver-zinc ore was produced from this vein from its discovery in 1909 to 1926. Recovery

during this period was reported to be 1,000,000 ounces of silver and 3,500,000 pounds of lead having a total gross value of $1,150,000. The Leadville vein ore body was developed for a length of about 900 feet and a vertical distance of about 1,250 feet. Previous reports[1/] state that grade and size of

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1/ Lincoln, F. C., 1923, Mining districts and mineral resources of Nevada: Nevada Newsletter Pub. Co., Reno, Nev., p. 236.

Burgess, J. A., unpublished private report in files of U. S. Bur. Mines.

W.M.R. No. 40 (unpublished) Leadville, Nevada mine dumps.

Benson, W. T., Leadville Mining Co.: U. S. Bur. Mines unpublished report.

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ore body on the bottom level is similar to that above.

The mine was closed in late 1925, due to the unsafe condition of the main winze and destruction by fire of the flotation plant.

THE DMEA PROJECT

The contract provided for drifting divided in two stages of 200 feet and 300 feet respectively, Stage II to be contingent upon results of Stage I.

Work started on June 28, 1955. The vein being followed swung abruptly to the left and the old caved drift on the main Swingle vein was encountered in 10 feet. The explored vein is a branch of the Swingle vein.

The old drift was then spiled and retimbered for 105 feet by the operator at his own expense, but he was unsuccessful in his attempt to reach the original face. Failure was presumed due in part to the operator's poor health, which affected his ability to maintain supervision of the project. Work was stopped March 15, 1956 and a termination agreement was signed July 2, 1956.

Expenditures

Total approved cost	$15,300.00
Drifting, 10 ft. @ $30/ft.	300.00
Government's share of cost	150.00
Unexpended amount of contract	15,000.00
Government's share unexpended	7,500.00

No equipment was purchased under the terms of the contract.

GEOLOGY

The principal rock in the Leadville mine area is andesite of Tertiary (?) age which is overlain by tuffs and breccias and cut locally by diorite porphyry dikes. The andesite is cut by several faults of probable small displacement which strike N 50° - 60° E and dip steeply southeast. Some of the faults have been mineralized by lead- and zinc-bearing solutions. The andesite shows varying degrees of hydrothermal alteration for two to four feet on either side of the mineralized faults.

ORE DEPOSITS

The main ore minerals, galena, and sphalerite, occur as vein fillings with quartz and calcite in the altered andesite wall rock. The lead-zinc veins are localized along several parallel northeast-striking, steeply south-dipping faults. Two of the veins, the Leadville and Swingle, have been partly explored.

At the old Leadville mine an ore shoot on the Leadville vein about three feet wide and 900 feet long was mined to more than 1,250 feet vertically below the surface. These workings are now inaccessible and only the trace of the vein can be followed on the surface. Ore from the Leadville vein was principally silver-bearing galena reported to average about 30 percent lead and about 30 ounces of silver.

In the Swingle workings (fig. 2) the Swingle vein is parallel

with the Leadville vein and not over 2 inches wide; the width of the vein does not increase with depth.

A second mineralized vein, the New vein (fig. 2), was cut 20 feet southwest of the Swingle vein. This vein is 18 to 24 inches wide and consists of alternate layers of pyrite and galena up to 6 inches thick, and altered volcanic and dike rock. This vein was followed for only a few feet; it turned abruptly south and, about 20 feet from where it was first cut, merged into the Swingle vein.

SAMPLING

Two representative samples were taken at the West drift face of the New vein by the examining field team (see Fig. 2). Assays of samples taken during this examination and during a previous Bureau of Mines examination are as follows:

Sample No.	Width, feet	% Pb	% Zn	Oz./Ton Ag	Oz./Ton Au	Description
173	0.5	7.9	2.0	28.70	0.025	Sulfides along hanging wall in fault gouge.
174	1.5	0.2	0.5	1.80	0.01	Broken zone, slightly mineralized, adjoining good grade ore.
202	0.8	1.4	0.2	4.0	-	Fault gouge on west side inclined shaft.
203	-	22.6	6.1	60.2	0.04	Dump sample representing about 15 tons of stockpiled ore.

No ore was found during the exploration and no additional samples were taken.

ORE RESERVES

There are no ore reserves. A few tons of vein material, mainly pyrite and some galena that averaged 2.0 percent lead, 0.9 percent zinc, and 8.5 ozs. Ag/ton over a width of 2 feet, is indicated in a block 20 feet long, 20 feet high, and 2 feet wide. This block is in the "New vein" just east of its juncture with the Swingle vein.

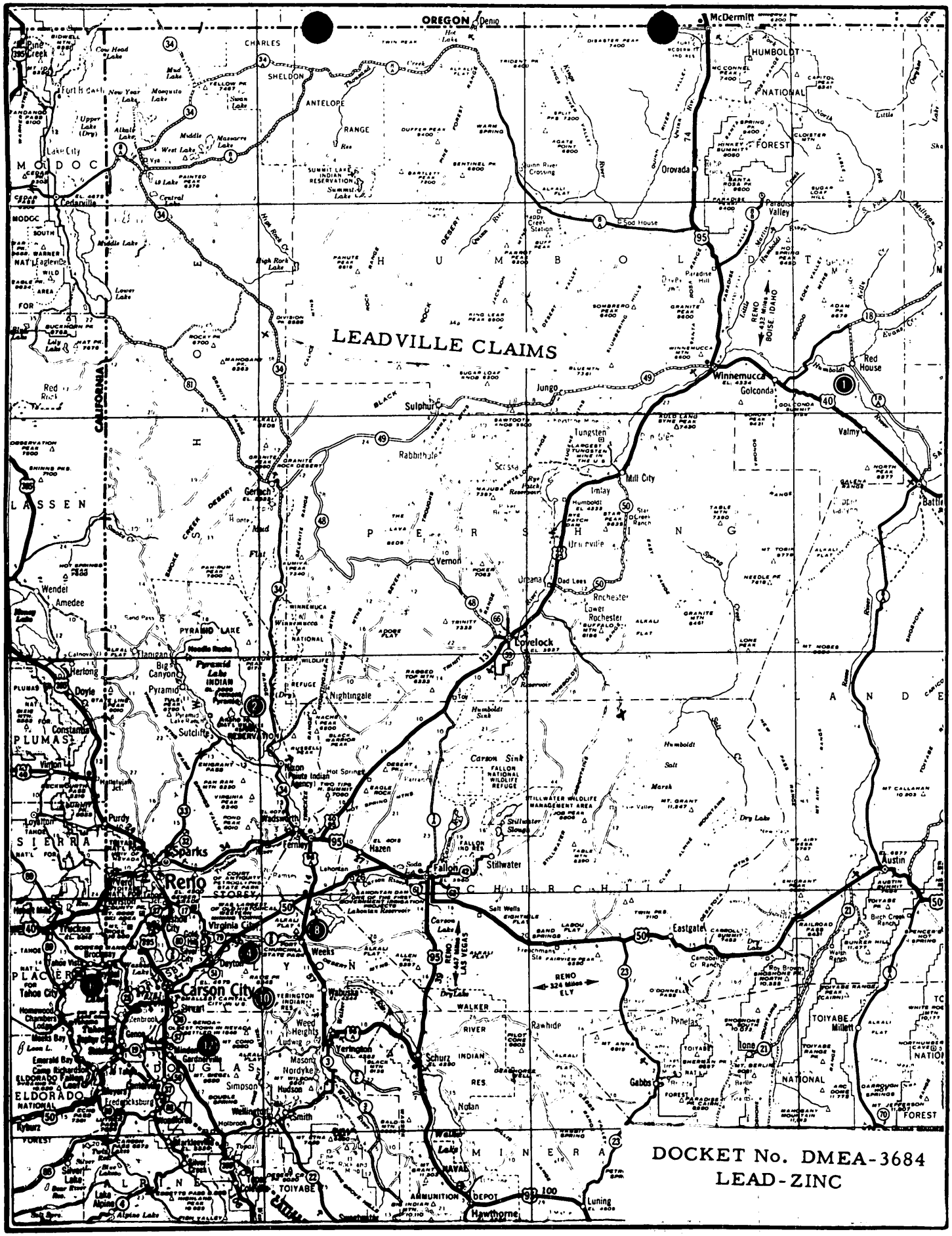

FIG. 1 LOCATION MAP

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

RECEIVED
JUL 26 1956

1605 Evans Avenue
Reno, Nevada

July 24, 1956

Memorandum

To: Operating Committee, DMEA, Interior Building, Washington 25, D. C.

From: Executive Officer, DMEA Field Team, Region II

Subject: Docket No. DMEA-3684 (Lead-zinc)
Ogle Swingle
Leadville Mine
Washoe County, Nevada
Contract No. Idm-E821

In accordance with your letter of July 3, 1956, the Termination Agreement on subject contract has been presented to the Operator and executed by him.

Attached are three copies and the remaining copies have been distributed in the usual manner.

S. Ricker

Attach.

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

RECEIVED
JUL 18 1956

1605 Evans Avenue
Reno, Nevada

July 16, 1956

Mr. Ogle Swingle
Leadville Mines
Gerlach, Nevada

Re: Docket No. DMEA-3684 (Lead-zinc)
Ogle Swingle
Leadville Mine
Washoe County, Nevada
Contract No. Idm-E821

Dear Mr. Swingle:

Enclosed are the original and five copies of a Termination Agreement on above referenced contract.

If the terms and conditions of this Termination Agreement are satisfactory all six copies should be signed by you. The copy marked "Operator's Copy" should be retained by you, and the original and other four copies should be returned to this office.

If any part of the agreement does not meet with your approval, the original and all copies should be returned with your suggested changes.

We regret that the work has been unsuccessful, but appreciate your cooperation throughout the project.

Very truly yours,

S. Ricker
Executive Officer
DMEA Field Team, Region II

Encl.

SRicker:gh
cc: Opr. Com., DMEA., Wash., D.C.
Finance Off., Reg. II
Geo. Mavor
R. M. Smith
File

File Copy
Surname

Griswold
Chamberlain
Selfridge
Johnson

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

JUL 3 - 1956

Mr. Spangler Ricker
Executive Officer,
DMEA Field Team, Region II
1605 Evans Avenue
Reno, Nevada

Re: Docket No. DMEA-3684 (Lead-Zinc)
Ogle Swingle
Leadville Mine
Washoe County, Nevada
Contract No. Idm-8821

Dear Mr. Ricker:

Referring to your memorandum of June 19, transmitting the Interim Report on the cited project, we are enclosing the original and five copies of a Termination Agreement.

If it meets with your approval, please present it to the Operator for signature and, when completed, distribute the copies in the usual manner. If you do not approve and if any proposed changes should lie beyond the range of your delegated authority, all copies should be returned to us with your comments.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee

Enclosures

WRGriswold/er 6/29/56
Copy to: Docket
Admr R File
Op. Committee
Base Metals
Mr. Bishop, USBM
Mr. Kiilsgaard, USGS
Chron.

APPROVED:

P. F. Yopes
Member, Bureau of Mines

Thor H. Kiilsgaard
Member, Geological Survey

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

June 29, 1956

Memorandum

To: The Administrator

From: Chief, Base Metals Division

Subject: Termination Agreement on Docket No. DMEA-3684 (Lead-Zinc), Ogle Swingle, Leadville Mine, Washoe County, Nevada, Contract No. Idm-E821.

The cited project was based upon drifting on a supposed branch vein. However, the drift had barely got started (10 feet of advance) when the vein curved back into the main structure and the new heading broke into the old caved drift. Any further expenditure is unwarranted. Since so little work was done, and since there is no target, there seems no reason for a pseudo-certification clause in the terminating agreement.

W. R. Griswold

W. R. Griswold

File Copy
Surname

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

June 29, 1956

Memorandum

To: The Administrator

From: Chief, Base Metals Division

Subject: Termination Agreement on Docket No. DMEA-3684 (Lead-Zinc), Ogle Swingle, Leadville Mine, Washoe County, Nevada, Contract No. Idm-E821.

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W. R. Griswold

W. R. Griswold

WRG/er

Copy to: Docket
Base Metals
Chron.

File Copy
Surname
Griswold

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

500

June 25, 1956

Memorandum

To: Associate Solicitor, Division of Mineral Resources

From: Chief, Base Metals Division

Subject: Preparation of Mutual Termination of Docket No. DMEA-3684, Ogle Swingle, Leadville Mine, Washoe County, Nevada, Contract No. Idm-E821, Lead-Zinc.

Will you please prepare a mutual termination agreement for the cited contract. Apparently there is no point in including a "pseudo-certification"; only a little work was done and results were so disappointing that any further expenditures are unwarranted.

The effective date of termination is October 1, 1955.

W. R. Griswold

W. R. Griswold

WRG/er

Copy to: Docket
Base Metals
Chron.

RECEIVED
JUN 21 1956

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Office of
Executive Officer
DMEA Field Team
Region II

1605 Evans Avenue
Reno, Nevada

Date 6/19/56

Memorandum

To: Operating Committee, DMEA, Interior Bldg., Wash., D.C.

From: Executive Officer, DMEA Field Team, Region II

Subject: Interim Inspection Report

Attached are four copies of Interim Report on

Docket No. DMEA-3684

Contract No. Idm-E821

Commodity Lead-zinc

Operator Ogle Swingle

Property Leadville Mine (Swingle Vein)
Washoe County, Nevada

By Henry W. Jones

Dated 6/15/56

S. Ricker
Executive Officer
DMEA Field Team, Region II

Attachments

Copy to: R. M. Smith, USGS (w/copy of report)
Finance Officer, Region II (w/copy of report)
File

RECEIVED
JUN 21 1956

INTERIM REPORT

DMEA-3684 (Lead-zinc)
Ogle Swingle
Leadville Mine (Swingle Vein)
Washoe County, Nevada
Contract No. Idm-E821

June 15, 1956

The Leadville mine (Swingle Vein) was visited in company with R. M. Smith and R. G. Reeves, Geological Survey on June 7, 1956. No one was at the mine or at the nearby ranch owned by the operator.

A small amount of additional drift rehabilitation was completed along the old workings, but the old face had not been reached. Considerable spiling and timbering was necessary to hold the unconsolidated vein filling along the old drift. Two chutes were installed from which some stoping was done. The material from the stopes was piled along the tracks near the portal. Very slight amounts of sulfide mineralization was noted in the material, and no samples were taken.

The Operator has been in poor health and hospitalized at various times and it is doubtful if he will be able to continue work. I would suggest, therefore, that a mutual termination agreement be prepared.

Henry W. Jones

Henry W. Jones
Mining Engineer

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

RECEIVED
OCT 12 1955

Office of
Executive Officer
DMEA Field Team
Region II

1605 Evans Avenue
Reno, Nevada

10/10/55

Memorandum

To: Operating Committee, DMEA, Interior Building, Washington 25, D.C.

From: Executive Officer, DMEA Field Team, Region II

Subject: Interim Inspection Report

Attached are the original and three copies of an Interim Report on:

Docket No. DMEA- 3684

Contract No. Idm-E 821

Commodity Lead-zinc

Operator Ogle Swingle

Property Leadville Mine
Washoe County, Nev.

By Henry W. Jones

Dated 10/10/55

S. Ricker
S. Ricker
Executive Officer
DMEA Field Team, Region II

Attachments 4

Copy to: Finance Officer, Region II(w/copy of report)
R. M. Smith-USGS(w/copy of report)

INTERIM REPORT

RECEIVED
OCT 12 1955

Docket No.: DMEA-3684 (Lead-zinc) October 10, 1955

Name and address of operator: Ogle Swingle
Gerlach, Nevada

Name and location of property: Leadville Mine (Swingle Vein)
Washoe County, Nevada

Contract No.: Idm-E821

The Leadville mine (Swingle vein) was inspected in company with R. G. Reeves of the U.S. Geological Survey and the operator, Ogle Swingle on September 27, 1955. Work was started on the new vein about July 1, 1955. The vein was followed 10 feet from the point of beginning but turned abruptly into the caved drift. The new vein was apparently an off shoot of the main Swingle Vein. The operator continued spiling and timbering along the old drift for an additional 94 feet to the present face. There is no further work contemplated until some time during the latter part of October, at which time, the operator plans to rehabilitate the drift to the original face and to continue drifting.

The operator was informed that without amending the present contract he is subject to repayment of only 10 feet of drifting. He was also advised that if he completed the rehabilitation of the drift to the old face, a further inspection would be made by representatives of the DMEA, and a decision reached whether to terminate the contract or continue the exploration of the Swingle vein under the contract. Inasmuch

as the operator intends to continue exploration of the vein regardless of the outcome of the DMEA project, the following suggestions are made:

1. An adjustment be made on the drift rehabilitation from the Stage I funds, if upon conclusion of this work, an advance into virgin ground along the Swingle vein is justified.

2. If justified, the remainder of unused funds for Stage I, after adjustment, be used for additional drifting along the Swingle vein.

3. If upon reaching the face, and further work is not warranted, rehabilitation payments should not be made and the contract should be terminated.

Henry W. Jones
Mining Engineer

R. M. E. A.

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

RECEIVED
JUL - 5 1955

1605 Evans Avenue
Reno, Nevada

June 30, 1955

Memorandum

To: Operating Committee, DMEA, Interior Building, Washington 25, D. C.

From: Executive Officer, DMEA Field Team, Region II

Subject: Docket No. DMEA-3684 (Lead-zinc)
Ogle Swingle
Leadville Mine
Washoe County, Nevada
Contract No. Idm-E821

Reference is made to your letter of June 21, 1955 transmitting the original and five copies of the subject contract.

The contract has been executed on the part of the Operator and one copy retained by him. Distribution has been made of Finance Office and Field Team copies, and the original and two copies are being returned to you herewith.

S. Ricker

Encls.

BUREAU OF MINES
WASHINGTON, D. C.

JUL 5 7 48 AM '55

File Copy
Surname
Griswold
Talbot
Selfridge
Johnson

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

JUN 21 1955

Mr. Spangler Ricker, Executive Officer
DMEA Field Team, Region II
1605 Evans Avenue
Reno, Nevada

Re: Docket No. DMEA-3684 (Lead-Zinc)
Ogle Swingle
Leadville Mine
Washoe County, Nevada

Dear Mr. Ricker:

Referring to your May 13 letter, with enclosures, covering the cited application, we are enclosing the original and five copies of a contract, as recommended by you.

We are not clear as to why the project was recommended for two stages, one of 200 feet and the second for 300 feet of drifting. It is stated that the fault or dike (which is presumed to present the general target area) is located some 400 or 500 feet distant. Nevertheless, it very well may be that after 200 feet of drifting the project should be reviewed.

Please note, that on the map attached to the contract we have shown (in red color) a projected course of the New vein. If this projection is even approximately correct the Operator should locate the area immediately south of the Anchor claim.

If the contract meets with your approval please present it to the Applicant for signature and distribute the copies in the usual manner. Otherwise, all copies should be returned to us, with your recommendations.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee (JB)

Enclosures

APPROVED:

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

Thor H. Kiilsgaard
Member, Geological Survey (JB)

WRGriswold/er 6/15/55
Copy to: Docket
Admr R File
Op. Committee
Base Metals
Mr. Bishop, USBM
Mr. Kiilsgaard, USGS
Chron.

R.G.G.

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

June 8, 1955

Memorandum

To: Acting Assistant Solicitor, Defense Minerals

From: Chief, Base Metals Division

Subject: Preparation of Contract for Docket No. DMEA-3684, Ogle Swingle, Swingle Mine, Washoe County, Nevada, (Lead-Zinc).

Will you kindly prepare a short form contract for the cited project along the lines of the attached rough draft.

The necessary copies of the map will be delivered to your office in a few days.

W. R. Griswold

W. R. Griswold

WRG/er
Copy to: Docket
Base Metals
Chron.

IN REPLY REFER TO:

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

May 31, 1955

Memorandum

To: W. R. Griswold, Chief, Base Metals Division, Defense Minerals Exploration Administration

From: Thor H. Kiilsgaard, U. S. Geological Survey

Subject: Review of Field Team application report, DMEA Docket 3684, Swingle workings, Washoe County, Nevada

The Field Team recommends a two-stage project to explore the applicant's property, the first stage to consist of 200 feet of drifting to the southwest on the New vein to be followed by a second stage of 300 feet of continued drifting on the New vein, if the first stage justifies additional work.

Field examiners justify their recommendations on 1)the strength of the New vein which, at the southwest face, was 2 feet thick and had a weighted assay value of 1.8% Pb, .85% Zn, 8.4 ozs. Ag per ton, and .01 oz. Au per ton, 2) the fact that proposed drifting will explore a vein parallel to the Leadville vein some 500 feet to the north, which was productive over a strike length of 900 feet and to a depth of 1,250 feet below the outcrop, and 3) the possibility of the New vein intersecting a diorite porphyry dike in the interval to be explored, this same type of intersection reported to have been present and to have been a controlling feature at the productive part of the Leadville vein.

The New vein is not as strong on the outcrop as was the Leadville vein; however, it is persistent and contains encouraging assay values. The prospects of the vein forming commercial ore bodies in the area to be explored are present and can be tested by the proposed program.

I concur with the field examiners and recommend approval of the exploration program they have proposed.

T. H. Kiilsgaard

T. H. Kiilsgaard

IN REPLY REFER TO:

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

May 31, 1955

Memorandum

To: W. R. Griswold, Chief, Base Metals Division, Defense Minerals Exploration Administration

From: Thor N. Kiilsgaard, U. S. Geological Survey

Subject: Review of Field Team application report, DMEA Docket 3684, Swingle workings, Washoe County, Nevada

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The New vein is not as strong on the outcrop as was the Leadville vein; however, it is persistent and contains encouraging assay values. The prospects of the vein forming commercial ore bodies in the area to be explored are present and can be tested by the proposed program.

I concur with the field examiners and recommend approval of the exploration program they have proposed.

TNKiilsgaard:hlm
G-5/31/55

T. N. Kiilsgaard

CC: Director's reading, 4212
Branch reading, 4212
DMEA (3)
Docket file
O. M. Bishop, 3617 Interior

IN REPLY REFER TO:

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

May 31, 1955

Memorandum

To: W. R. Griswold, Chief, Base Metals Division, Defense Minerals Exploration Administration

From: Thor N. Kiilsgaard, U. S. Geological Survey

Subject: Review of Field Team application report, DMEA Docket 3684, Swingle workings, Washoe County, Nevada

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Field examiners justify their recommendations on 1)the strength of the New vein which, at the southwest face, was 2 feet thick and had a weighted assay value of 1.8% Pb, .85% Zn, 8.4 ozs. Ag per ton, and .01 oz. Au per ton, 2) the fact that proposed drifting will explore a vein parallel to the Leadville vein some 500 feet to the north, which was productive over a strike length of 900 feet and to a depth of 1,230 feet below the outcrop, and 3) the possibility of the New vein intersecting a diorite porphyry dike in the interval to be explored, this same type of intersection reported to have been present and to have been a controlling feature at the productive part of the Leadville vein.

The New vein is not as strong on the outcrop as was the Leadville vein; however, it is persistent and contains encouraging assay values. The prospects of the vein forming commercial ore bodies in the area to be explored are present and can be tested by the proposed program.

I concur with the field examiners and recommend approval of the exploration program they have proposed.

TNKiilsgaard:hlm
G-5/31/55

T. N. Kiilsgaard

CC: Director's reading, 4212
Branch reading, 4212
DMEA (3)
Docket file
O. M. Bishop, 3617 Interior

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAY 3 1955

Griswold

May 25, 1955

Re: DMEA-3684
Ogle Swingle
Leadville Mine
Washoe County, Nevada

Memorandum

To: W. R. Griswold, DMEA

From: O. M. Bishop, USBM

Subject: Recommendation for approval of exploration application as presented in field team report

The applicant proposes to explore the mineralized Swingle vein which in addition to showing on the outcrop is exposed at 160 feet below the outcrop by a 374-foot crosscut. A 70-foot winze on the vein is collared from the crosscut and a 200-foot drift has been extended to the west on the vein. Ninety feet west of the winze the 200-foot drift becomes inaccessible, and a new drift has been driven through the hangingwall to intersect and follow the "New" vein some 20 feet northwesterly of the caved drift. Mineralization exposed in the Swingle vein from the face east of the winze as far as it can be observed to the west is narrow and sparse, but the mineralization on the "New" vein is appreciably better, the average of two samples showing 4 percent lead, 1.2 percent zinc and 15.25 ounces of silver per ton over an average width of 1 foot.

The applicant proposes to drift 500 feet southwesterly along the "New" vein in the hope that the vein may widen as did the productive Leadville vein some 500 feet further to the north. The field examiners state the vein merits further exploration as the setting is geologically favorable and similar to that of the Leadville vein 500 feet to the north which produced $1,150,000 worth of ore.

The field team recommends and the applicant agrees that the project be divided into two parts: Stage I to cover the first 200 feet of drifting with Stage II for the last 300 feet of drifting being dependent upon the results shown in the first 200 feet of the proposed drifting.

I concur with the view that the "New" vein-Swingle structure warrants limited exploration such as that proposed in two stages. It seems doubtful that a unit cost of $30 per foot will cover driving a timbered drift, however.

O. M. Bishop

O. M. Bishop

Copy to: Div. of Minerals
Mr. Kiilsgaard, Rm. 5224
O. M. Bishop
Files

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

May 25, 1955

Re: DMEA-3684
Ogle Swingle
Leadville Mine
Washoe County, Nevada

Memorandum

To: W. R. Griswold, DMEA

From: O. M. Bishop, USBM

Subject: Recommendation for approval of exploration application as presented in field team report

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O. M. Bishop

O. M. Bishop

Copy to: Div. of Minerals
Mr. Kiilsgaard, Rm. 5224
O. M. Bishop
Files

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

Department of the Interior
Defense Minerals Administration
RECEIVED
MAY 26 1955

May 25, 1955

Re: DMEA-3684
Ogle Swingle
Leadville Mine
Washoe County, Nevada

Memorandum

To: W. R. Griswold, DMEA

From: O. M. Bishop, USBM

Subject: Recommendation for approval of exploration application as presented in field team report

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O. M. Bishop

O. M. Bishop

Copy to: Div. of Minerals
Mr. Kiilsgaard, Rm. 5224
O. M. Bishop
Files

DMEA

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

AIR MAIL

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAY 18 1955

1605 Evans Avenue
Reno, Nevada

May 13, 1955

Memorandum

To: Operating Committee, DMEA, Interior Building
Washington 25, D. C.

From: Executive Officer, DMEA Field Team, Region II

Subject: Docket No. DMEA-3684 (Lead-zinc)
Ogle Swingle
Leadville Mine
Washoe County, Nevada

In accordance with your letter of March 7, 1955, we are attaching four copies of a report on the above subject application by H. W. Jones, mining engineer, U. S. Bureau of Mines and Earl H. Pampeyan, geologist, U. S. Geological Survey, dated May 12, 1955.

The report recommends an exploration contract consisting of 500 feet of drifting at a total cost of $15,000 of which the Government's participation would be $7,500. Roscoe Smith and I believe the property has merit and agree with the recommendations outlined in the report.

For S. Ricker

Attach.

Reviewed by
DMEA OPERATING COMMITTEE
5-20-55
(date)

BUREAU OF MINES
WASHINGTON, D. C.
MAY 16 8 00 AM '55

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAY 16 1955

UNITED STATES
DEPARTMENT OF THE INTERIOR
DOUGLAS McKAY, SECRETARY

DEFENSE MINERALS EXPLORATION ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM
REGION II

APPLICATION REPORT

DMEA-3684 (Lead-Zinc)
Ogle Swingle
Leadville Mining Claims (Swingle Vein), Washoe County, Nevada

Reviewed by
DMEA OPERATING COMMITTEE
5-20-55
(date)

By

Henry W. Jones
Mining Engineer
U. S. Bureau of Mines

Earl H. Pampeyan
Geologist
U. S. Geological Survey

May 12, 1955

...T OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAY 16 1955

Docket No.: DMEA-3684 (Lead-zinc)

Name and address of applicant: Ogle Swingle
Gerlach, Nevada

Name and location of property: Leadville Mining Claims
(Swingle Vein)
Washoe County, Nevada

SUMMARY, CONCLUSIONS AND RECOMMENDATIONS

An application for a DMEA exploration loan was received from Ogle Swingle to explore for lead-zinc minerals along a mineralized vein in the Leadville mining district, Washoe County, Nevada. The vein proposed for exploration lies parallel to and about 500 feet south of the old Leadville mine.

The Leadville mining property was examined on March 21 and 22, 1955 by the DMEA field team, accompanied in part by Ogle Swingle, applicant and G. Wilson, miner.

Total cost of the applicant's proposal was estimated at $15,835 of which the Government would share 50 percent, or $7,917.50. The DMEA examiners suggested that the exploration program be broken down into two stages, wherein 200 feet of drifting would be done as stage I and if warranted, 300 feet of additional drifting be done as stage II. The revised program costing $15,000.00 is outlined in this report.

Based on the strength of the exposure of lead-zinc minerals seen in the Swingle workings and the history of the near-by Leadville mine, an exploration program on the new vein of the Swingle workings is recommended.

LOCATION, ACCESSIBILITY, LOCAL RESOURCES

The Leadville district is on the east flank of Mt. Fox in the Granite Range, 38 miles by road north of Gerlach, Nev. The Leadville mining claims are in T. 37 N., R. 23 E., MDB&M at an approximate elevation of 6,000 feet.

The property is reached from Gerlach by traveling west along State Highway 81 for three miles. Turn right on the graveled State Highway No. 34 and follow along the western edge of the Black Rock Desert for twelve miles. Continue on the partially improved road over a small pass, across an alkali flat, and up a narrow but relatively flat canyon to near its summit for 22 miles. At this point the old Leadville mine buildings can be seen to the west. The Swingle vein is in the canyon adjoining and to the south of the main workings. Turn left at this point and bear to the left on the dirt road one mile to the mine.

The state highway beyond Gerlach is maintained and patrolled only during the summer months. At the advent of winter weather, travel to the mine area is often difficult and impassable

for short periods, due to deep drifted snows.

The Swingle adit from which the exploratory work is proposed is a short distance up a steep, narrow "V" canyon, directly under high jutting rock outcrops. Above and beyond the mine, the general topography changes to relatively flat rolling hills.

There is no manpower immediately available in the district. An occasional miner may be obtained from Gerlach, but men, equipment, and supplies to be used for other than a very small operation would by necessity be obtained from Reno, approximately 115 miles (airline) south of the property.

Water for mine and domestic use, having a combined flow of about 30 gallons per minute, is piped from local springs. There is no electrical power source available. It would, by necessity, have to be supplied by a local gasoline or Diesel driven motor.

COMPETENCE OF APPLICANT

The applicant is a successful rancher in the district; owning three ranches and several hundred head of cattle and horses. Prior to and during the early part of the ranching business, he also was a lessee at the old Leadville mine. At various times he has been associated with other mining ventures in the

State of Nevada. He has the reputation of being a good miner and knows all the aspects of general mining practices. He states that he is capable of meeting his share of the costs either with cash, equipment, or a combination of both.

APPLICANT'S PROPERTY RIGHTS

The lode claims that make up the Leadville mining claims included in the application are:

The Anchor, Colorado, Colorado #1, and the patented Tahoqua claim, pat. No. 3178.

The 1955 assessment work for the claims is recorded in the Washoe County Courthouse at Reno, Nevada in Book Z, page 279.

DEVELOPMENT

The crosscut portal of the Swingle workings is on the northern slope of a steep hillside at the floor of the small east-west canyon. Large dike rock outcrops project above the canyon walls to the north.

A combination shed and machine shop, and a small blacksmith shop are near the portal. Two small wooden cabins house the mine personnel and are below the portal, along the steep road leading to the mine. Mine track leads to the opposite slope of the canyon to an old 40-ton ore bin and to the mine dump.

The crosscut was extended for 374 feet before the Swingle vein was struck at a vertical depth of 160 feet below the surface outcrop. A nearly vertical 70-foot winze was sunk along the ore bearing vein at the crosscut intersection, and a small partially caved drift and stope was extended a short distance to the east. A drift was driven westerly along the fault filled and mineralized vein for a reported 200 feet, of which 90 feet remains open. Air is supplied by an old Fairbanks Morse, 10 by 10 inch belt driven compressor, powered by an equally old Hercules Diesel, 90 horsepower motor.

The Harman shaft, sunk on the old Leadville vein, is several hundred feet west of and in the same canyon as the Swingle workings. The Swingle vein can be traced up the canyon to a point about 400 feet below the shaft, roughly paralleling the trace of the Leadville vein.

HISTORY AND PRODUCTION

The old Leadville mine has produced over 50,000 tons of lead-silver-zinc ore between the discovery date of 1909 through 1926. Production was made from a zone about 900 feet along the strike length of the vein and extending downward from the surface to the 800-foot level, a vertical distance of about 1,250 feet. Due to the unsafe condition of the main winze and the destruction by fire

of the flotation mill, the mine was closed in late 1925. Previous reports[1,2,3,4] state the ore at the bottom of the mine is continuing in grade over the reported strike length. The production during this period was reported as 1,000,000 ounces silver and 3,500,000 pounds lead with a gross value of $1,150,000 and netting about $948,000. A few tons of reportedly high grade ore has been shipped from the Swingle vein. An additional 15 tons of ore is at present in the ore bin; sample No. 203 under SAMPLING.

GEOLOGY

The principal rock in the Leadville mine area is andesite of Tertiary (?) age which is overlain by tuffs and breccias and cut locally by diorite porphyry dikes. The andesite is cut by several faults of probable small displacement which strike N. 50°-60°E. and dip steeply southeast. Some of the faults have been mineralized by lead- and zinc-bearing solutions. The andesite shows varying degrees of hydrothermal alteration for two to four feet on either side of the mineralized faults.

1/ Lincoln, F.C., Mining Districts and Mineral Resources of Nev., 1923, p. 236.
2/ Burgess, J.A., Mng. Eng. & Geologist, Paper, 4/8/26.
3/ Unpublished W.M.R. No. 40, Leadville, Nevada Mine Dumps, April 1943.
4/ Benson, W. T., Preliminary Examination Report, Leadville Mining Co., July 1947.

ORE DEPOSITS

The main ore minerals, galena and sphalerite, occur as vein fillings with quartz and calcite in the altered andesite wall rock. The lead-zinc veins are localized along several parallel northeast-striking, steeply south-dipping faults. Three of the veins, the Leadville, Swingle, and New veins, have been partly explored.

The old Leadville mine followed an ore shoot about three feet wide for about 900 feet along the strike and more than 1,250 feet vertically below the surface. These workings are now inaccessible and only the trace of vein can be followed on the surface. Ore from the Leadville vein was principally silver-bearing galena reported to average about 30 percent lead and about 30 ounces of silver.

In the Swingle workings (fig. 2), about 500 feet south of the main Leadville vein, the Swingle vein was cut about 374 feet in from the portal. Some galena was found in this vein which is not over 2 inches wide and a 70-foot winze sunk, but the width of the vein did not increase with depth. The vein was followed to the southwest a reported 200 feet with the discovery of little or no ore. At present only the first 90 feet of this tightly timbered (West) drift is accessible.

A second parallel mineralized zone (the New vein, fig. 2) recently was cut 20 feet northwest of the Swingle vein. The mineralized zone is 18 to 24 inches wide with veins of sulphide ore up to six inches thick occurring in it. Although the exposure of ore in the New vein is not commercial it warrants additional exploration.

SAMPLING

Two representative samples were taken at the West drift face of the New vein by the examining field team (see Fig. 2). Results of samples taken during this examination and during a previous Bureau of Mines examination are as follows:

Sample No.	Width, feet	%, Pb	%, Zn	Oz./T Ag	Oz./T Au	Description
173	0.5	7.9	2.0	28.70	0.025	Sulphides along hanging wall in fault gouge.
174	1.5	0.2	0.5	1.80	0.01	Broken zone, slightly mineralized, adjoining good grade ore.
202	0.8	1.4	0.2	4.0	-	Fault gouge on west side inclined shaft.
203	-	22.6	6.1	60.2	0.04	Dump sample representing about 7 tons of stockpiled ore.

ORE RESERVES

There are no measured reserves. Indicated reserves equalling a few tens of tons of ore are in a block at the working face measuring about 20 feet along the strike, 20 feet along the dip and averaging 1 foot thick. Several hundred tons of ore are inferred to

lie southwest of the indicated block in the ground to be explored. It is expected that any new ore bodies discovered would be about the same grade as the ore in the old mine.

PROPOSED EXPLORATION

The applicant has proposed to drift some 500 feet to the southwest along the New vein (see fig. 2) to hit an ore shoot similar to that in the old Leadville vein. The applicant reports the Leadville vein widened to the southwest as it approached a "dike" and he expects the New vein to do the same. He estimates the dike lies 400 to 500 feet southwest of the present working face underground. The dike and the proposed drift lie within the limits of the three claims listed in the application. The applicant will include adjacent claims in the contract area, and as they might benefit from the proposed work they should be included.

The project was proposed on a cost per foot basis and briefly outlined as follows: 500 feet at $31.67 per foot, or a total cost of $15,835.00. The Government would share 50 percent of the cost, or $7,917.50.

Inasmuch as the property is isolated and the applicant is already working underground, it appears that underground work would be the most expedient method of exploration. The applicant's proposal to drift southwest along the vein is quite feasible when con-

sidered with various engineering reports on the old mine. There are, however, no exposures of bedrock where the dike is supposed to cut the veins, 400 to 500 feet southwest from the working face. Nevertheless, there is a good chance of discovering a new ore body to the southwest along the mineralized structure.

The proposed exploration program was broken into the following unit costs by the applicant:

		Est. cost/foot
Labor		
1 Miner @ $2.00/hr.		
Supervision @ $500/mo.		$21.00
Operating Materials and Supplies		
Powder, fuse, and caps		1.25
Rail (1 ton) and fish plates		0.50
Ties, lumber		2.00
Fuel oil and lubricants		1.00
Drill steel and bits		0.50
Operating Equipment		
To be purchased:		
Airline, 2-1/2-inch pipe		0.75
Owned and furnished by Operator:		
Compressor (Fairbanks-Morse) (old) Diesel driven	$ 1,000.00	
Light plant, 2 kva	200.00	
Rock drills (2)	700.00	
Air and water hoses	80.00	
Mine cars (2)	300.00	
Miscellaneous tools	400.00	
	$ 2,680.00	
$\frac{2680}{60}$ = 44.66/mo.		$ 1.07

	Est. Cost/foot
Miscellaneous	
Analytical work - 100 assays @ $3.00/ea.	$ 0.60
Compensation, liability insurance, and payroll taxes	3.00
TOTAL	$31.67/ft x 500 = $15,835.00

FIELD TEAM PROPOSED EXPLORATION

It was suggested to the applicant that his proposed program be modified by dividing the work into two stages. The applicant agreed to a revised program as follows:

Stage I: Drift 200 feet along the New vein - Swingle workings @ $30.00/ft.	$ 600.00

If the vein shows promise of increasing mineralization or the DMEA Field Team feels additional work is warranted, then the second stage should be undertaken.

Stage II: Drift an additional 300 feet along the New vein @ $30.00/ft.	$ 9,000.00
TOTAL	$15,000.00

As the vein now exposed does merit further exploration and the setting of this vein is geologically favorable and similar to that of the Leadville vein, it is recommended that a modified version of the applicant's original exploration proposal be approved by the DMEA for the New vein in the Swingle workings.

EXPLORATION COSTS

Labor	Per shift	Per Ft.
1 Miner @ $2.00/hr.		15.16
1 Mucker @ $1.50/hr.	$30.33	4.80
Supervision (part time) $250/mo.	9.61	
Timber (Av. 235 bd. ft./set, lagging on top and 1 side @ $100/M bd. ft. = $23.50/5-foot set	9.40	4.70
Explosives, caps, fuses - 12 holes for 5-foot round	1.66	.84
Drill steel & bits - av. cost $2.50/round	1.00	.50
Cross ties, 4-by 6-by 30-inches on 30-inch centers	.72	.36
Equipment depreciation @ $44.60/mo., or $1.48/day	1.48	.74
Labor extras (12% for Industrial insurance, F.I.C.A. and Unemployment insurance)	3.64	1.82
Fuel oil & lubricants (Diesel oil at $0.18/gal - 2 gph - 4 hrs./day	1.44	.72
Lube oil and grease	.50	.25
Repair parts @ $0.25/ft.	.50	.25
	$60.28	

$$\frac{\$60.28}{2} = \$30.14$$

Due to the heavy ground and timbering that will be necessary, the program is based on an advance of 2 feet per shift, and should be of 10 months duration for completion.

Supervision cost rather high - but no provision has been made for rail or pipe lines

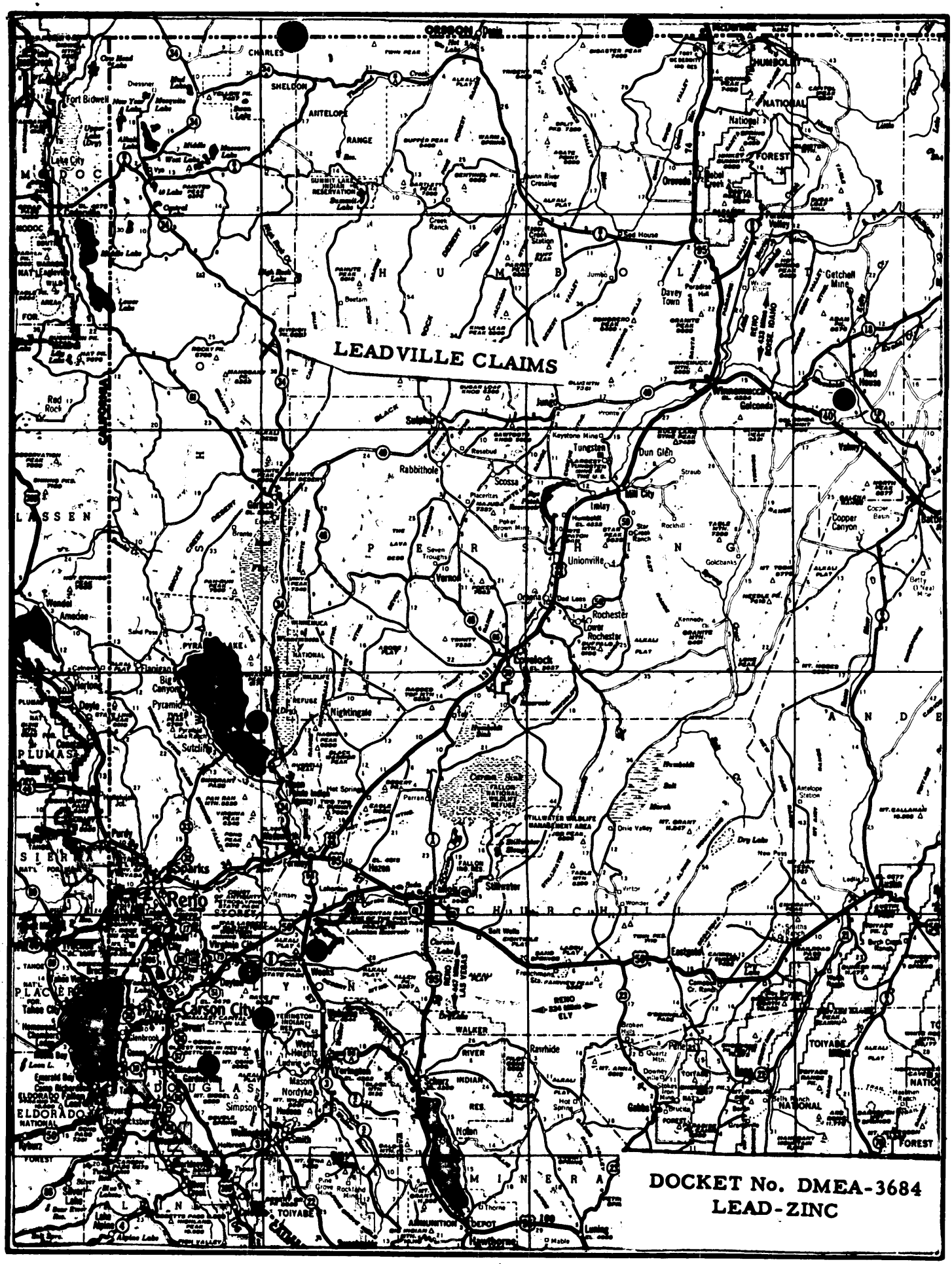


FIG. I LOCATION MAP - NEVADA

File Copy
Surname
Selfridge
Johnson

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

500

MAR 7 - 1955

Mr. Spangler Ricker
Executive Officer
DMEA Field Team, Region II
420 Custom House
555 Battery Street
San Francisco 11, California

Re: Docket No. DMEA-3681 (Lead-Zinc)
Ogle Swingle
Leadville Mine
Washoe County, Nevada

Dear Mr. Ricker:

Referring to the cited application, we are enclosing copies of the memorandums of Mr. J. H. Hedges, USBM, dated March 1, and of Mr. R. D. Trace, USGS, dated February 21.

You will note the opinions expressed, to the effect that a field examination is warranted. Hence, will you have the examination made at such time as may be convenient.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee (GCS)

Enclosures

WRGriswold/er 3/3/55

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

APPROVED:

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

E. L. Newcomb (ELN)
Member, Geological Survey

File Copy
Surname

Trivandl
Newcomb
Hedges
Jeffridge
H. J. Meaos

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

MAR 7 - 1955

Mr. Ogle Swingle

Gerlach, Nevada

Re: Docket No. DMEA-3684 (Lead-Zinc)
Ogle Swingle
Leadville Mine
Washoe County, Nevada

Dear Mr. Swingle:

Your application for Government assistance to explore the cited property has been reviewed by the Base Metals Division of the Defense Minerals Exploration Administration, and has been referred for a field examination to:

Mr. Spangler Ricker, Executive Officer
DMEA Field Team, Region II
420 Custom House
555 Battery Street
San Francisco 11, California

The Regional Office will contact you at an early date as to when the examination is to be made. Any assistance that you may give the members of the Field Team during the examination will be appreciated.

Sincerely yours,

C. O. Mittendorf

Administrator

WRGriswold/er 3/3/55

Copy to: Docket
Admr. File
Region II (2)
Op. Committee
Base Metals
Mr. Bishop, USBM
Mr. Kiilsgaard, USGS
Chron.

R.C.S.

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

March 1, 1955

Griswold

Memorandum

To: W. R. Griswold
Chief, Base Metals Division, DMEA

From: J. H. Hedges, Bureau of Mines

Subject: DMEA-3684 (Lead-Zinc) Ogle Swingle, Leadville Mining Claims, Washoe County, Nevada

The applicant proposes exploring the Swingle vein which lies about 500 feet south of and approximately parallels the Leadville vein.

The Leadville (Tahoqua) mine was examined by W. T. Benson, Mining Engineer, Bureau of Mines in 1947. Benson reported that the Leadville Mining Company, operating the mine during the period 1920-1926, produced 1,022,965 ounces silver, 3,491,154 pounds of lead, 217,139 pounds of copper, and 34,328 pounds of zinc, having a gross value of $949,745. Earlier production was estimated to approximate $205,000.

The ore shoot in the Leadville vein is reported to extend about 900 feet along the strike, with a steep pitch to the west, and from surface to the 800 level, a vertical distance of 1,250 feet. The Leadville fissure is said to be one of a number of parallel fissures which together may form a fault system, although only slight indication of faulting is apparent.

According to Benson the Swingle vein outcrop can be traced several hundred feet and shows lead ore a few inches wide in places. The outcrop is like that of the Leadville vein but shows less ore. A crosscut adit about 400 feet long cuts the vein at a depth of about 160 feet, and drifts have been driven east and west on the vein. The west drift was caved and the face could not be seen but the drift followed a well defined fissure containing vein material. The east drift was short. It contained vein material and an 8-inch streak of ore with thin seams of galena.

The applicant proposes to extend the west drift an unspecified distance at an estimated cost of $24,385.90. The map submitted with the application indicates 500 feet of drifting proposed. However, the total cost divided by the estimated cost per foot gives 770 feet.

Apparently the west drift on the Swingle vein is now accessible and recently has been extended 50 feet or more. Although from information available this prospect does not look very promising, a maximum of 200 feet of drifting on the vein may be justified.

I recommend that the application be referred to the field team for review and examination if considered necessary.

J. H. Hedges

J. H. Hedges

IN REPLY REFER TO:

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

February 21, 1955

Re: DMEA-3684
Ogle Swingle
Colorado claims
Washoe Co., Nev.
$24,385.90(?)
Lead-Zinc

Griswold

Memorandum

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

From: R. D. Trace, U. S. Geological Survey

Subject: Review of application

I cannot find any data on the area proposed for exploration. The information furnished by the operator, however, is adequate to justify an examination by the Field Team.

The "main Leadville vein", described by the operator as being 500 feet north of the area to be explored, is probably the same vein described in the Bureau of Mines WMR 336, Leadville Nevada Mine Dumps, Washoe County, Nevada, April 1943, as follows: "The vein, a fissure in granodiorite, has an east-west strike and dips 70 degrees to the north. It varies from 3 to 5 feet in width, having a central core of solid sulfide ore about a foot wide. The main oreshoot was mined for a total length of 900 feet along the strike and to a depth of 1,000 feet below its outcrop."

I recommend that the application be referred to the Field Team.

R.D. Trace

R. D. Trace

February 16, 1955
Subject: DMEA 3684
Re: Exploration Assistance
Leadville Mining Claims

Mr. Ogle Swingle
Gerlach, Nevada

Dear Mr. Swingle:

The receipt of your application dated February 8, 1955 for exploration assistance under the Defense Production Act of 1950, as amended, is hereby acknowledged.

Your application has been assigned Docket Number DMEA 3684 and referred to the Base Metals Division.

Kindly identify all future correspondence relating to your application by this docket number.

Sincerely yours,

Robert E. Adams, Chief
Operations Control and
Statistics Division

Enclosure

P.S. Only four copies of the application are required, therefore the fifth copy is herewith returned.

60932

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
FEB 14 1955

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. 3684
Metal or Mineral Lead-Zinc
Date Received 2-14-55
Estimated Cost $24,385.90
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: Ogle Swingle, Gerlach, Nevada

(*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 Colorado, Colorado No. 1, Anchor; and Tahoqua claim (patented) # 3178 P 279 Bk 2

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

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

(*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 Free from encumbrances

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

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

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

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

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

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

5. *The exploration project.*—(*a*) State the mineral or minerals for which you will to explore _____

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

(*c*) The work will start within 30 days and be completed within 12 months from the date of an exploration project contract.

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

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

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

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

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

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

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

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

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

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

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

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

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

[X] Money [X] 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 Feb 7th, 1955

Ogle Swingle

Ogle Swingle, Owner (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

To Accompany MF-103 - Ogle Swingle

4(a) Work ~~be~~ consists of about 400 feet of crosscutting and 300 feet of drifting on ledge, and a winze sunk about 70 feet. Most of the crosscut work was done in 1909; the work done recently consists of retimbering 200 feet of drift and driving about 50 feet of tunnel. This last work was done mostly at my expense. The mine is open and is accessible for inspection after the winter months.

4(b) About 15 tons of ore has been taken out and is in the bin at present.

About 5 inches of shipping grade ore in face of drift; value about $100.00 per ton lead-silver-zinc.

4(c) This is vein type deposit in andesite porphyry. The main Leadville vein north and parallel to the Swingle vein (500 feet north) encountered a large body of good grade lead-silver-zinc ore along the vein near a fault.

The mine workings extended to the 700 level, or about 900 feet vertical depth. The ore body improved with depth. Most of the ore was stoped from 700 level up for a strike length of about 600 feet. The Swingle vein has been explored by me for about 250 feet of drifting and by a 70-foot winze.

It is proposed to explore the vein in the same relative block by drifting westerly along the vein for about 500 feet to where it intersects the main north and south fault against which the workings of the Leadville mine terminated.

4(d) The mine is about 40 miles north of Gerlach, Nevada on Highway 34.

4(e) Men and material can be obtained in Reno, Nevada, 150 miles south.

Water is available at the mine.

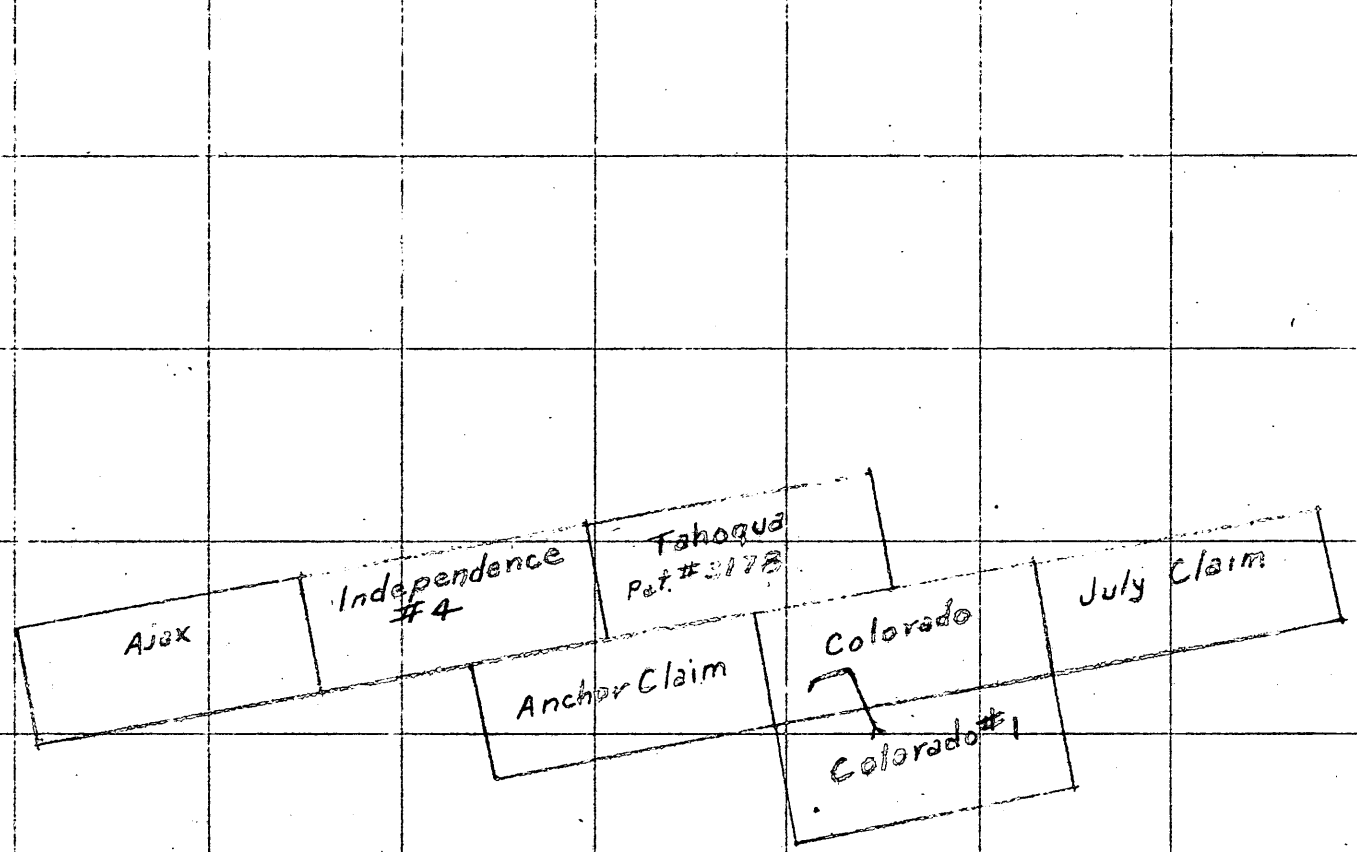
5(a) I wish to explore for lead and zinc ore.

5(b) See attached map.

5(d) Experience includes 45 years in and around mines.

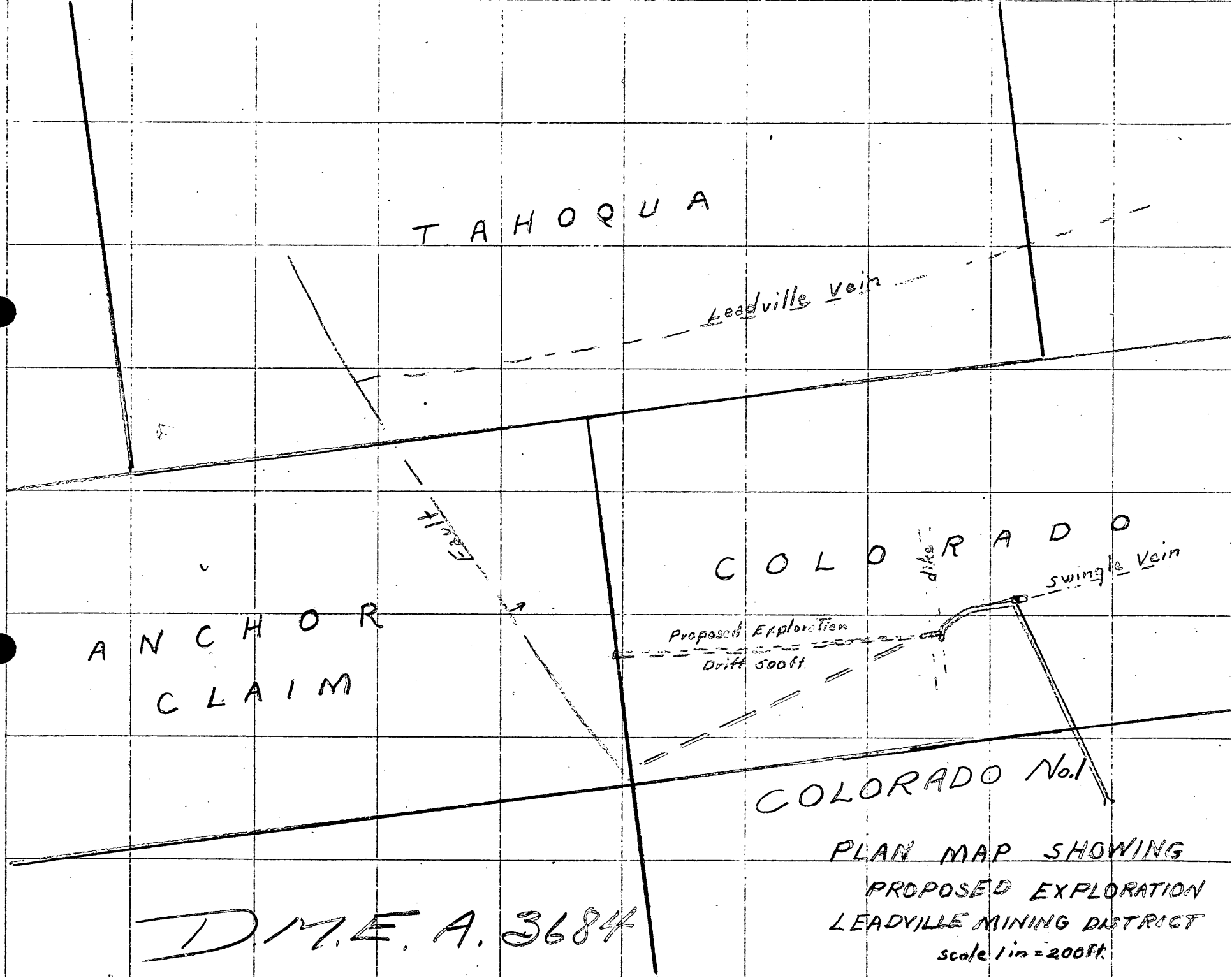
6 Estimate of costs:

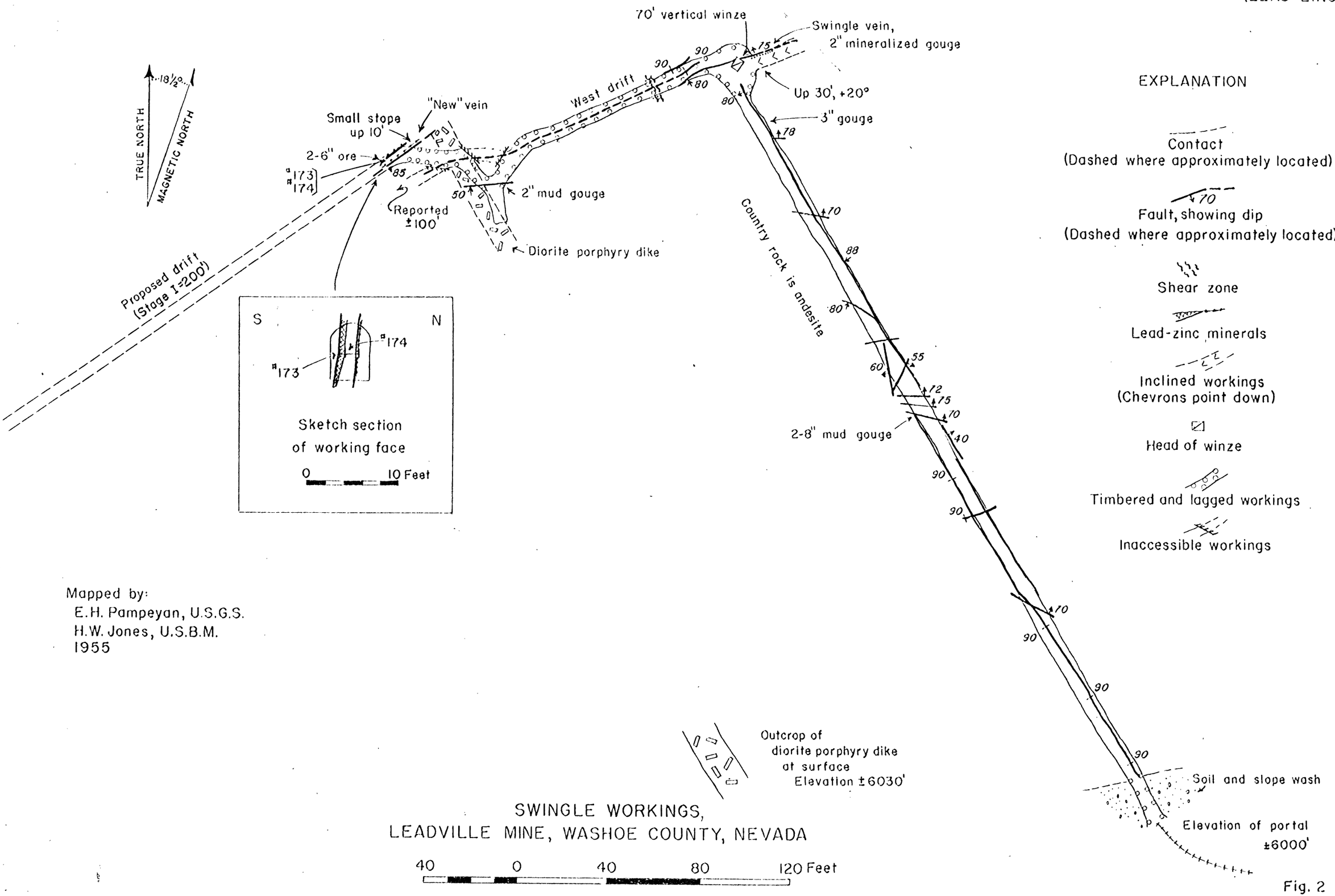
			Cost/ft.
6 (a)	No independent contracts		
(b)	Labor, supervision, consultants		
	1 miner @ $2.00/hr		
	Supervision @ $500/month		$21.00
(c)	Operating materials and supplies		
	Powder, fuse and caps		1.25
	Rail (1 ton) and fishplates		.50
	Ties, lumber		2.00
	Fuel oil and lubricants		1.00
	Drill steel and bits		.50
6 (d)	Operating equipment		
	To be purchased:		
	Air line, 2½ inch pipe - 800 feet @ $0.50/ft.		.75
	To be rented:		None
	Owned and furnished by operator:		
	Compressor (old Fairbanks-Morse, Diesel driven)	$1,000	
	Light plant, 2 kva	200	
	Rock drills (2)	700	
	Air and water hoses	80	
	Mine cars (2)	300	
	Miscellaneous tools	400	
		$2,680	
	$\frac{2680}{60}$		1.07
6(e)	Rehabilitation and repairs		None
6(f)	New buildings, improvements, installations		None
6(g)	Miscellaneous		
	Analytical work - 100 assays @ $3.00		.60
	Compensation, liability insurance & payroll taxes		3.00
			$31.67/ft.



CLAIM MAP (COLORADO GROUP)
LEADVILLE MINING DISTRICT
WASHOE COUNTY
NEVADA

Scale 1 in = 1000 ft.


TAHOQUA
Leadville Vein
Fault
COLORADO
dike
Swingle Vein
ANCHOR
CLAIM
Proposed Exploration
Drift 500 ft.
COLORADO No.1
PLAN MAP SHOWING
PROPOSED EXPLORATION
LEADVILLE MINING DISTRICT
scale 1 in = 200 ft.
D.M.E. A. 3684



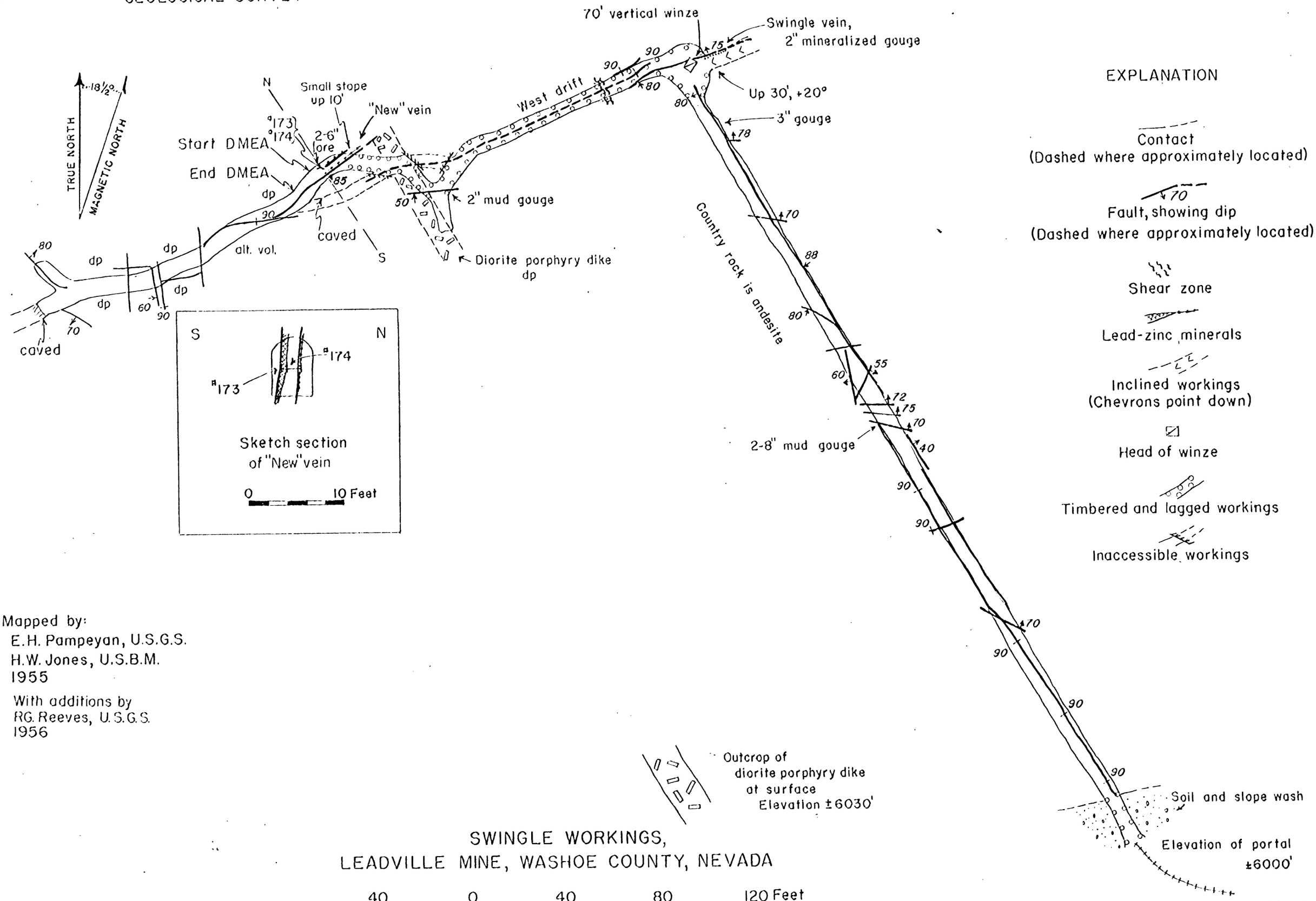
Mapped by:
E.H. Pampeyan, U.S.G.S.
H.W. Jones, U.S.B.M.
1955

SWINGLE WORKINGS,
LEADVILLE MINE, WASHOE COUNTY, NEVADA

Fig. 2

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

DMEA-3684
(LEAD-ZINC)



Mapped by:
E.H. Pampeyan, U.S.G.S.
H.W. Jones, U.S.B.M.
1955

With additions by
R.G. Reeves, U.S.G.S.
1956

SWINGLE WORKINGS,
LEADVILLE MINE, WASHOE COUNTY, NEVADA

Fig. 2