DMEA Form 9
Rev. 6/57

UNITED STATES
DEPARTMENT OF THE INTERIOR
~~Defense Minerals Exploration Administration~~
GEOLOGICAL SURVEY

OME

OFFICIAL DOCKET FILE

Idm-E NO. 2221

DMEA NO. 6534

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- [ ] Withdrawn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

- [ ] Royalty Audits
- [ ] Certification of Discovery
- [ ] Closing Letter
- [x] Cost Audits June 1967 Report of Review
- [ ] Termination Notice or Agreement
- [ ] Recision Notice
- [ ] Assignment of Contract
- [ ] Contract Amendments
- [x] Contract with all exhibits and annexes
- [ ] Owner's Consent to Lien and Subordination Agreement
- [✓] Application and attachments

Right Side

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

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

- [ ] Field Team Semi-Annual Report for Certified Project
- [ ] Final Field Team Report (Tab)
- [x] Operator's Final Report (Tab) 1-15-68
- [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. _____ : Reports
- [ ] 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. _____ : Royalty material

17963

MME Form 7
(2/63)

OFFICIAL FILE COPY

Date	Surname	Code
6/19/68	R.M. Smith	120
6/19/68	Kirkham	120
		110
		220

JUN 2 0 1968

AIRMAIL

Busty Belle Mines, Inc.
212 Nerland Building
Fairbanks, Alaska 99701

Re: OME-6534 (Silver-Gold)
Busty Belle Mines, Inc.
Silvertone and Cottonwood Groups of Claims
Fairbanks Recording District, Alaska
Contract 2221

Gentlemen:

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

We sincerely regret that the work performed did not result in a certification of possible production under the provisions of the contract. In the absence of such certification, the Government retains no claim or lien against the property subject to the contract or any future production therefrom. We are, therefore, 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.

We appreciate your interest and participation in the OME exploration program.

Sincerely yours,

FRANK E. JOHNSON

Frank E. Johnson
Chief, Office of
Minerals Exploration

cc: Director's Reading File
Economic Geology File
OME Docket
OME Reading File
Mr. Smith, Region II, 130
Budget & Finance, Mr. Tary F. Anderson

UNITED STATES DEPARTMENT OF THE INTERIOR

OFFICE OF SURVEY AND REVIEW
AUDIT OPERATIONS
WASHINGTON, D.C.

Report of Review-Contract 2221
Docket No. OME-6534 (Silver-Gold)
Busty Belle Mines, Inc., (Operator)
Silvertone and Cottonwood Group of Claims
Fairbanks Precinct, Alaska

Report Issued: June 1967

An examination of the disbursement records in the Branch of Budget and Finance, Administrative Division, U.S. Geological Survey, and a review of the Office of Minerals Exploration contract files pertaining to the subject minerals exploration project was made at Washington, D.C., on June 7, 1967.

This contract provides up to 500 feet of crosscutting and drifting to explore for silver and gold bearing ore bodies. The contract stated that the Government will contribute $62\frac{1}{2}$ percent of the total fixed-unit costs of the work performed.

Monthly reimbursement vouchers submitted by the Operator for the period August 1966 through April 1967, listed such fixed-unit costs aggregating $28,785.50. The Field Officer, OME, Region III, Menlo Park, California, has approved such vouchers and the Operator has been paid $17,790.96 as the Government's share of the approved costs, after $200.00 was withheld from the Operator pending receipt of the final report required of him by the terms of the exploration contract.

We find that the settlement made, and proposed to be made, is substantiated by the records reviewed and conforms to the usual procedure followed by OME with respect to fixed-unit cost contracts.

C. E. Fisher, Auditor

Reviewed by:

D. E. Savage, Office of Survey and Review

Government's Copy

MME Form 51
July 1965

UNITED STATES OF AMERICA
DEPARTMENT OF THE INTERIOR
U. S. Geological Survey

EXPLORATION CONTRACT
(Short Form)

Docket	Commodity	Contract No.	County	State
OME -6534	Silver-Gold	2221	Fourth Judicial District	Alaska

It is agreed JUN 2 3 1966 (Date), between the United States of America, acting through the Department of the Interior, U. S. Geological Survey, hereinafter called the "Government," and

Busty Belle Mines, Inc., an Alaskan corporation

,

whose mailing address is 212 Nerland Building, Fairbanks, Alaska 99701, hereinafter called the "Operator," as follows:

ARTICLE I. Authority and scope.--(a) This contract, entered into under the authority of Public Law 701, 85th Cong., 2d sess. (72 Stat. 700; 30 U.S.C. § 641 - 646), consists of this form, the attached Annex I (land description), Exhibit A (work and costs), and the maps and documents listed. The work is a search for new or unexplored deposits of the commodity designated above. The Operator shall begin the work on or before AUG 1 1966 (Date), and, subject to the provisions of Article 7 and Exhibit A, shall complete the work within 12 months from the date of the contract.

(b) The description of the work and the fixed cost for each unit of work to be performed (per foot of drilling, per foot of drifting, per hour of operations, etc.) are hereby agreed upon as specified in Exhibit A. The estimated total cost of the work is $ 34,200.00. The Government will contribute ~~50~~ 62½% percent of the total fixed unit costs of the work performed, not in excess of $ 21,375.00 in accordance with the provisions of Articles 4 and 5.

(c) Interest computation.--Simple interest at the rate of 6 ¾ percent shall accrue from the dates Federal funds are made available until the period specified for payment of royalty expires, or until the amount of Federal funds contributed is fully repaid with interest.

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

ARTICLE 2. Operator's rights in land.--(a)The Operator represents and undertakes that Annex I correctly describes the land which is the subject of this contract and the nature of the Operator's right of property and possession therein (whether as owner, lessee, or otherwise), and that such right, title, or interest is subject only to the following claims, liens, or encumbrances:

See Annex I

(b) 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 Lien Agreement of any holder of the legal title of the land (lessor, seller, optionor, etc.) are attached as follows:

See Annex I

(c) The Operator shall preserve and maintain his right, title, or 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. 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 royalty on production and liens for the payment thereof. Two true copies of such instrument shall be furnished to the Government. If the Government's rights to royalty as provided in Article 6 have been terminated, the provisions of this paragraph (c) shall become inapplicable.

ARTICLE 3. Performance of the work.--(a) Operator's responsibility.--The work shall be performed diligently, efficiently, in a workmanlike manner in accordance with good mining standards, and in compliance with State laws governing health, safety, and liability insurance covering employment. The Operator shall provide suitable and adequate equipment, facilities, materials, supplies, and labor to complete the work as specified in Article 1(a).

(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 production operations during the period that royalty is payable to the Government. The Operator shall provide the Government with all reasonable means of access for such inspections.

ARTICLE 4. Contribution by the Government.--The Government will make its contribution on the basis of the monthly vouchers referred to in Article 5(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 and the Operator's final report has been received, the Government may withhold such sums as are necessary to protect its interests. To the extent that amounts in excess of fixed unit costs or in excess of the estimated total cost may be necessary for the performance of the work, the Operator shall incur and pay such amounts for his own account without contribution by the Government. The Government will not contribute to the cost of any work performed prior to the date of this contract. The Government may make payments for the account of the Operator directly to independent contractors and suppliers rather than to the Operator.

ARTICLE 5. 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 all pertinent books, documents, papers, and records of the Operator.

(b) Monthly reports.--The Operator shall provide the Government with four copies of monthly reports in three sections as follows:

(1) Operator's Monthly Voucher claiming costs for work performed;

(2) Operator's Progress Report showing the number of units of the various types of work performed; 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 three copies of a final report (in addition to the final monthly report). 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 royalty relates, such as two copies of smelter or concentrator settlement sheets and certified accounts of production and sale or other disposition of production.

(e) Compliance with requirements.--If the Government determines that 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 preparation or completion of same 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 6. Repayment by Operator.--(a) Certification.--If the Government considers that mineral or metal production from the land covered by the contract may be possible as a result of the exploration work, it shall so certify in writing to the Operator at any time not later than six months after a sufficient final report and final accounting (see Article 5) have been furnished.

(b) Royalty on production.--The Operator, whether or not the producer (for example, if the Operator either transfers or does not retain his interest in the land), shall pay to the Government a royalty on all minerals and metals mined or produced from the land as follows:

(1) irrespective of any certification of possible production--from the date of the contract until the lapse of the time within which the Government may issue such certification or until the total net amount contributed by the Government is fully repaid with interest, whichever occurs first; or

(2) if the Government issues a certification of possible production--for a period of ten years from the date of the contract or until the total net amount contributed by the Government is fully repaid with interest, whichever occurs first.

(c) Payment of royalty.--(1) The Government's royalty shall be five percent of the gross proceeds (including any bonuses, premiums, allowances, or other benefits) from the production sold, in the form sold (ore, concentrate, 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 (such as treatment processes performed by the buyer, sampling and assaying to determine the value of the production sold, and freight payable by the buyer to a carrier (not the Operator or producer)), shall be allowed as deductions in arriving at the "gross proceeds" as that term is used herein. No costs of the Operator or producer are deductible in arriving at the "gross proceeds" as that term is here used.

The term "treatment processes" means those processes (such as milling, concentrating, smelting, refining, or equivalent, but excluding fabricating or manufacturing) applied to the crude ore or other production after it is extracted from the ground to put it into a commercially marketable form.

(2) 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.

(d) Unsold production.--If any production (ore, concentrate, metal, or equivalent), after the lapse of six months from the date the ore was extracted from the ground, remains neither sold nor used 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, concentrate, metal, or equivalent) it is in when the Government elects to require computation and payment. If any production is used 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 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) Lien for payment.--To secure the payment of royalty (see Article 6(b)), the Operator hereby grants to the Government a lien upon his interest in the land and upon any production of minerals and metals therefrom until the royalty claim is extinguished by lapse of time or is fully paid.

(f) Notice to purchasers.--The Operator or producer 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 Government, and this estimate shall be final and binding upon the Operator or producer.

(g) No obligation to produce.--Nothing in this contract shall be construed as imposing any obligation on the Operator or the Operator's successor in interest to engage in any production operations.

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

ARTICLE 7. Termination of the Government's Obligations.--(a) If the Government determines that operations at any time have failed to achieve anticipated results and further work is not justified, the Government may give the Operator written notice thereof, and thereupon:

(1) the Government shall be free of all obligation to pay on account of units of work not then performed; and

(2) the Operator shall be free of all obligation to prosecute the work other than such as may be necessary and incidental to final accounting and reporting.

(b) If the Government determines that the Operator is 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:

(1) the Government shall be relieved of all obligation to pay on account of units of work not performed when the notice was given, and

(2) the Operator shall be free of all obligation to prosecute the work other than such as may be necessary and incidental to final accounting and reporting.

The Government may also avail itself of any other remedy the law may provide for breach of contract, including the right to rescind the contract and to demand repayment of all moneys contributed by the Government under the contract.

(c) The giving of any notice by the Government under the provisions of this Article 7 shall not affect the Government's rights as provided for in the contract with respect to royalty and liens to secure the payment thereof, and such rights shall be fully preserved.

(d) The determinations of the Government are subject to appeal under Article 11.

ARTICLE 8. Notices to be given by the Government may be delivered to the Operator or may be sent by certified 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 9. 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 10. Nondiscrimination in Employment.--The provisions respecting nondiscrimination in employment which are required by section 301 of Executive Order 10925, dated March 6, 1961, as amended and supplemented, are attached hereto as Exhibit B and are hereby incorporated in and made a part of this contract.

ARTICLE 11. Disputes.--Any dispute arising under this contract which is not disposed of by agreement shall be decided by the Director, U. S. Geological Survey, who shall reduce his decision to writing and mail or otherwise furnish a copy thereof to the Operator. The decision of the Director, U. S. Geological Survey, shall be final and conclusive unless, within 30 days from the date of receipt of such copy, the Operator mails or otherwise furnishes to the Director, U. S. Geological Survey, a written appeal addressed to the Secretary of the Interior. The decision of the Secretary or his duly authorized representative for the determination of such appeals shall be final and conclusive unless determined by a court of competent jurisdiction to have been fraudulent, or capricious or arbitrary, or so grossly erroneous as necessarily to imply bad faith, or not supported by substantial evidence.

The term "Director, U. S. Geological Survey," as used herein includes his duly authorized representative.

ARTICLE 12. Work Hours Act of 1962 - Overtime Compensation.--This contract, to the extent that it is of a character specified in the Work Hours Act of 1962 (Public Law 87-581, 76 Stat. 357-360) and is not covered by the Walsh-Healey Public Contracts Act (41 U.S.C. 35-45), is subject to the following provisions and to all other provisions and exceptions of said Work Hours Act of 1962.

(a) Overtime requirements.--No Operator or subcontractor contracting for any part of the contract work which may require or involve the employment of laborers or mechanics shall require or permit any laborer or mechanic to be employed on such work in excess of eight hours in any calendar day or in excess of forty hours in any workweek unless such laborer or mechanic receives compensation at a rate of not less than one and one-half times his basic rate of pay for all hours worked in excess of eight hours in any such calendar day or in excess of forty hours in any such workweek, as the case may be.

(b) Violations; liability for unpaid wages; liquidated damages.--In the event of any violation of the clause set forth in subparagraph (a) of this paragraph, the Operator and any subcontractor responsible therefor shall be liable to any affected employee for his unpaid wages. In addition, such Operator and subcontractor shall be liable to the United States (in the case of work done under contract for the District of Columbia or a territory, to such District or to such territory), for liquidated damages. Such liquidated damages shall be computed, with respect to each individual laborer or mechanic employed in violation of the clause set forth in subparagraph (a) of this paragraph, in the sum of $10 for each calendar day on which such employee was required or permitted to work in excess of eight hours or in excess of the standard workweek of forty hours without payment of the overtime wages required by the clause set forth in subparagraph (a) of this paragraph.

(c) Withholding for unpaid wages and liquidated damages.--The U. S. Geological Survey may withhold or cause to be withheld, from any moneys payable on account of work performed by the Operator or subcontractor, such sums as may administratively be determined to be necessary to satisfy any liabilities of such Operator or subcontractor for unpaid wages and liquidated damages as provided in the clause set forth in subparagraph (b) of this paragraph.

ARTICLE 13. Copeland (Anti-Kickback) Act--Nonrebate of wages.--The regulations of the Secretary of Labor applicable to contractors and subcontractors (29 CFR, Part 3), made pursuant to the Copeland Act, as amended (40 U. S. C. 276c) and to aid in the enforcement of the Anti-Kickback Act (18 U. S. C. 874) are made a part of this contract by reference. The Operator will comply with these regulations and any amendments or modifications thereof and will be responsible for the submission of affidavits required of independent contractors thereunder. The foregoing shall apply except as the Secretary of Labor may specifically provide for reasonable limitations, variations, tolerances, and exemptions.

ARTICLE 14. Changes and added provisions.--

Executed in quintuplicate the day and year first above written.

BUSTY BELLE MINES, INC.
(Operator)

By Warren A. Taylor

Title President

THE UNITED STATES OF AMERICA

By W. Pecora
Director, U.S. Geological Survey

Long
Smith
Kirkham
Johnson
Kilsgaard
Inv. Ct.

I, John C. Burk, certify that I am the
(Name)

secretary of the corporation named as Operator herein; that

Warren A. Taylor, who signed this contract on behalf of the Operator, was then
(Name)

President of said corporation; that said contract was duly signed for
(Title)

and in behalf of said corporation by authority of its governing body, and is within the scope of its corporate powers.

John C. Burk Sec'y.

CORPORATE SEAL

EXPLORATION CONTRACT
BUSTY BELLE MINES, INC.
OME-6534

ANNEX I

The land, including all rights pertaining thereto, referred to in Article 2 of the contract consists of eight (8) unpatented lode mining claims in secs. 8, 9, 16, and 17, T. 2 N., R. 1 E., Fairbanks Meridian, Pedro Dome area, Fairbanks mining district, Fourth Judicial District, Alaska. It is illustrated on Fig. 1, entitled "Silvertone and Cottonwood Groups of Claims, Fairbanks Recording District, Alaska" attached hereto and made part hereof.

The eight claims are recorded in the Office of the Recorder, Fairbanks Recording District, State Office Building, Fairbanks, Alaska, as follows:

Name of Claim	Volume	Page
Silvertone Lode No. 1	27	378
" " No. 2	27	379
" " No. 3	27	380
" " No. 4	27	381
Cottonwood Lode No. 1	29	352
" " No. 2	29	353
" " No. 3	29	354
" " No. 4	29	355

The Operator is in possession of the eight claims listed above under the terms of a Quitclaim Deed executed March 21, 1966, and also under the terms of an Assignment of Contract executed January 14, 1966. Both of the foregoing instruments were executed by Warren A. Taylor, John C. Rasor, and JoAnn C. Burk who are the buyers of the eight claims under the terms of a Contract to Sell Mining Claims and Mining Equipment executed November 29, 1965, by the owner of the claims Tury F. Anderson. Copies of the quitclaim

deed, the assignment of contract, and the contract to sell mining claims and equipment are contained in the docket of this contract and are made part hereof by reference.

A Lien and Subordination Agreements executed February 24, 1966, by Tury F. Anderson covering the eight claims is attached hereto and made part hereof.

MME Form 52
Jan. 1959

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION

FOR GOVERNMENT USE ONLY
Operator
Docket No. OME –
Contract No. 14-23-090–
Contract Date

LIEN AND SUBORDINATION AGREEMENTS 1/

To the United States of America:

That certain land in the ~~County of~~ Fourth ~~XXXXXX~~ Judicial District, State of Alaska,

described as follows: 2/ Silvertone Lode Claims No. 1,2,3, and 4 recorded Volume 27, pages 378, 379, 380 and 381; Cottonwood Lode Claims No. 1,2,3 and 4, recorded Bolune 29, pages 352, 353, 354 and 355, All Recorded in the Fairbanks Recording District, Recorder's Office, Fairbanks, Alaska, Located in Sections 8,9, 16 and 17, R. 2 N, R. 1 E., Fairbanks, Meridian. State of Alaska.

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

Busty Belle Mines, Inc. 3/

hereinafter called the "Operator". In consideration for and as an inducement to the Government executing the Contract, the undersigned:

1. (a) Being the owner of an interest in the land, hereby grants to the Government a lien upon all of his right, title, and interest in the land and upon any production of minerals therefrom to secure the payment to the Government of the royalty on production provided for by the Contract, and agrees if the Operator's interest should be surrendered or terminated at any time prior to the expiration of the rights of the United States under said Contract to pay royalty to the Government according to the terms of said Contract; or

(b) Being the holder of a claim, lien, or encumbrance against the land, hereby subordinates his claim, lien, or encumbrance in or against the land and in any production therefrom to the rights of the Government under the Contract with respect to royalty on production and liens to secure same. 4/

2. Undertakes and agrees that property in which the Government may acquire an interest or equity under the Contract may be dismantled, severed from the land, and removed as may be provided in the Contract; and the Government's interest and equity in such property shall be prior and superior to any adverse right or claim of the undersigned.

3. Represents and undertakes that there is no claim, lien, or encumbrance upon the undersigned's right, title, claim, or interest in or against the land other than the following: (If "none" insert the word "none". Do not leave blank.)

NONE

1/ Production from the land is not required, and in the absence of production there is no obligation to pay royalty to the Government.

2/ Either (a) insert the legal description of the land, or (b) strike out the words "as follows" and insert "in a lease /or contract, deed, or other document/ dated _____, and recorded in Book _____, Page ____, official records of said county". If (b) is used, the book and page of recordation must be inserted above. If the space provided is insufficient, use an Annex and refer to the Annex in the space.

3/ Insert name exactly as it appears in the Application MME Form 40.

4/ Subparagraph 1(a) does not apply to the holder of a claim, lien, or encumbrance.

4. Undertakes and agrees (a) neither to commit any act nor assert any claim in conflict with the provisions of this Agreement; and (b) to give advance notice of the Government's rights under this agreement to any subsequent transferee, mortgagee, encumbrancer, or lessee of any of the undersigned's right, title, claim, or interest in or against the land or any production therefrom, furnishing the Government with two true copies of such notice; and

5. Consents to all amendments (including an agreement of termination) and assignments of the Contract without notice thereof, and undertakes and agrees that this agreement shall extend and apply thereto.

6. Added provisions NONE (State "None" or "See Annex No. ____".)

Dated this 24 day of February, 19 66.

Terry F. Anderson (Seal) 820 Andrew (Street) Box 1498 Fairbanks Alaska. (City & State)

NONE

_____ (Seal) _____ (Street) (City & State)

_____ (Seal) _____ (Street) (City & State)

_____ (Seal) _____ (Street) (City & State)

_____ (Seal) _____ (Street) (City & State)

_____ (Seal) _____ (Street) (City & State)

I, _____ (Name), certify that I am the _____ (Title—Secretary, etc.) of the corporation named herein; that _____ (Name), who signed this agreement was then _____ (Title—Pres., Vice-Pres., etc.) of said corporation; that said agreement was duly signed for and in behalf of said corporation by authority of its governing body, and was within the scope of its corporate powers.

_____ (Corporate Seal)

EXPLORATION CONTRACT
BUSTY BELLE MINES, INC.
OME-6534

EXHIBIT A

The purpose of this project is to explore by a crosscut adit and by drifting for silver and gold-bearing ore bodies in and along three or more quartz veins in granitic rock or in Birch Creek schist near its contact with the granitic rock.

General Provisions

All drifts and crosscuts shall be not less than 5 by 7 feet in the clear of timber and shall be timbered as necessary, using standard drift sets of not less than 6-by 6-inch timber or equivalent round timber.

Air lines shall be of not less than 2-inch size and water lines of not less than 1-inch size.

All significantly mineralized areas traversed by the crosscut or drifts shall be sampled normal to their trends at intervals along the trend of not more than 10 feet.

Each sample, before being assayed, shall be split and one split assayed for gold and silver. The Operator shall store one split of each sample in a suitable container properly identified as to location for Government inspection and possible use. With prior Government approval, confirmed in writing, the Operator may dispose of the stored samples.

True copies of assay certificates shall be submitted with the Operator's monthly reports which shall also include maps or sketches of the work completed during each reporting period, the locations of all samples taken, and the general formations and structures traversed by the work performed.

The Operator shall provide such supervisory and technical services as may be required to complete the work in a satisfactory manner.

The location, direction, and extent of each work item shall be subject to prior Government approval.

Description of the Work

The initial work shall consist of constructing a road from the

existing road approximately 1/4 mile to the portal site of the proposed adit, and of leveling a portal site near the south side center of the Silvertone No. 4 claim.

From the portal site a crosscut adit shall be driven in a westerly direction approximately 300 feet to cut downward continuations of veins exposed in surface workings near the Flume shaft. On the best showings or indications of ore in the crosscut, drifts shall be driven along the veins approximately 200 feet. Total crosscutting and drifting shall not exceed 500 feet.

The tentative locations of the crosscut and drifts are indicated in red on Fig. 2, entitled "Proposed Exploration, Silvertone Lode Claims, Busty Belle Mines, Inc., Fairbanks, Alaska," attached hereto and made part hereof.

Estimated Costs of the Project

Fixed Unit Costs

Mobilization of mining equipment	$1,550.00 1/
Demobilization of mining equipment	750.00 1/
Road construction (1/4 mile) and Portal site preparation	830.00 1/
Crosscutting and drifting 500 feet @ $51.00/foot	25,500.00 2/
Timbering 500 feet @ $8.30/foot	4,150.00 2/
Outside consultant 10 days @ $75.00/day	750.00
Per diem for consultant 10 days @ $16.00/day	160.00
Accounting 4 months @ $50.00/month	200.00
60 assays for gold and silver @ $3.00/assay	180.00

60 assays for lead @ $2.00/assay	$ 120.00
100 sample sacks @ $0.10/sack	10.00
Estimated Total Cost of Project	$34,200.00-
Government Participation @ 62½%	$21,375.00-

1/ The unit of work is the completed job.

2/ The Government retains no equity in any of the equipment or material used.

EXHIBIT B

NONDISCRIMINATION IN EMPLOYMENT

(Section 202, Executive Order 11246, September 24, 1965)

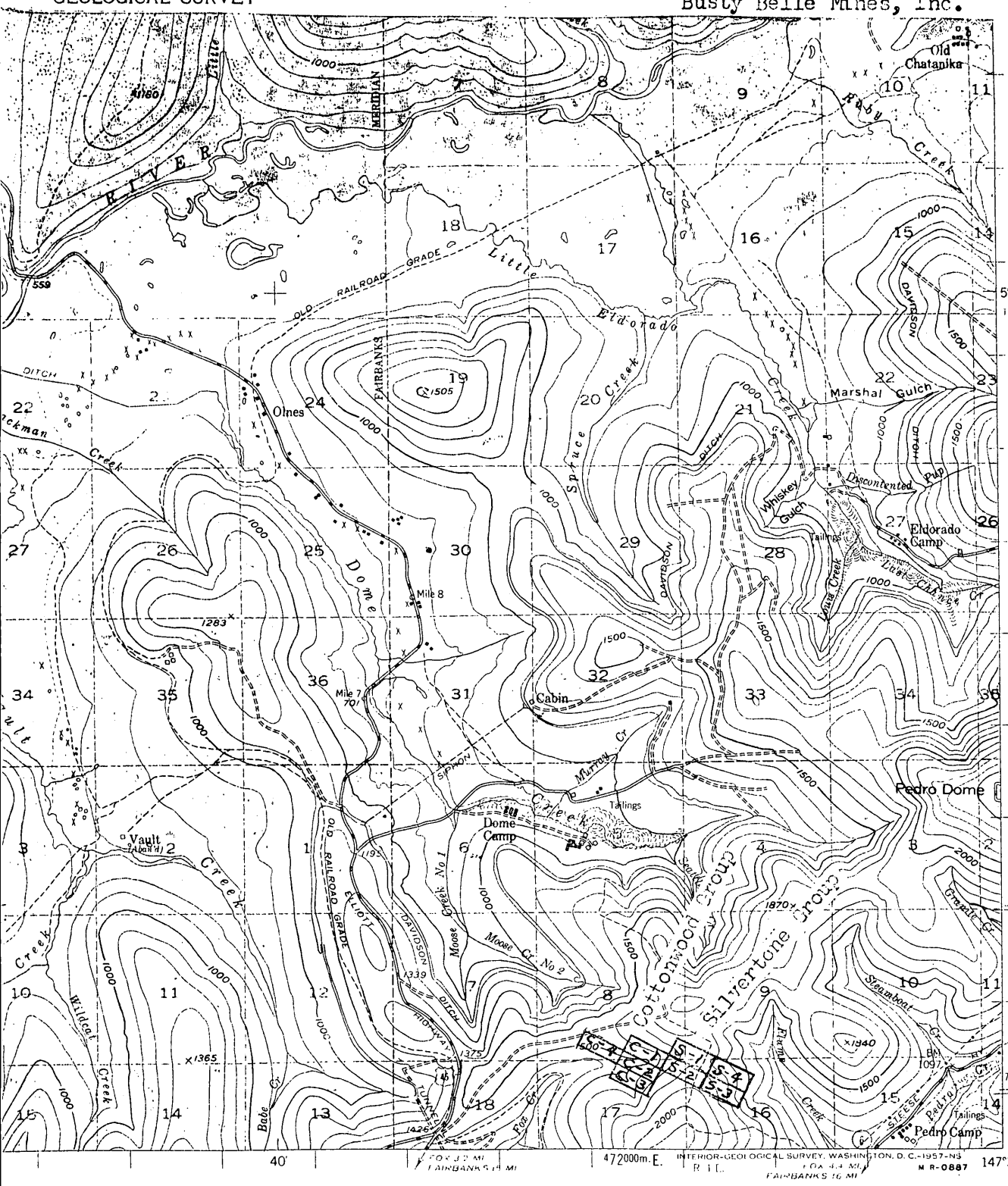
"During the performance of this contract, the contractor agrees as follows:

'(1) The contractor will not discriminate against any employee or applicant for employment because of race, creed, color, or national origin. The contractor will take affirmative action to ensure that applicants are employed, and that employees are treated during employment, without regard to their race, creed, color, or national origin. Such action shall include, but not be limited to the following: employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. The contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices to be provided by the contracting officer setting forth the provisions of this nondiscrimination clause.
'(2) The contractor will, in all solicitations or advertisements for employees placed by or on behalf of the contractor, state that all qualified applicants will receive consideration for employment without regard to race, creed, color, or national origin.
'(3) The contractor will send to each labor union or representative of workers with which he has a collective bargaining agreement or other contract or understanding, a notice, to be provided by the agency contracting officer, advising the labor union or workers' representative of the contractor's commitments under Section 202 of Executive Order No. 11246 of September 24, 1965, and shall post copies of the notice in conspicuous places available to employees and applicants for employment.
'(4) The contractor will comply with all provisions of Executive Order No. 11246 of September 24, 1965, and of the rules, regulations, and relevant orders of the Secretary of Labor.
'(5) The contractor will furnish all information and reports required by Executive Order No. 11246 of September 24, 1965, and by the rules, regulations, and orders of the Secretary of Labor, or pursuant thereto, and will permit access to his books, records, and accounts by the contractingagency and the Secretary of Labor for purposes of investigation to ascertain compliance with such rules, regulations, and orders.
'(6) In the event of the contractor's noncompliance with the nondiscrimination clauses of this contract or with any of such rules, regulations, or orders, this contract may be cancelled, terminated, or suspended in whole or in part and the contractor may be declared ineligible for further Government contracts in accordance with procedures authorized in Executive Order No. 11246 of September 24, 1965, and such other sanctions may be imposed and remedies invoked as provided in Executive Order No. 11246 of September 24, 1965, or by rule, regulation, or order of the Secretary of Labor, or as otherwise provided by law.
'(7) The contractor will include the provisions of Paragraphs (1) through (7) in every subcontract or purchase order unless exempted by rules, regulations, or orders of the Secretary of Labor issued pursuant to Section 204 of Executive Order No. 11246 of September 24, 1965, so that such provisions will be binding upon each subcontractor or vendor. The contractor will take such action with respect to any subcontract or purchase order as the contracting agency may direct as a means of enforcing such provisions including sanctions for noncompliance: Provided, however, That in the event the contractor becomes involved in, or is threatened with, litigation with a subcontractor or vendor as a result of such direction by the contracting agency, the contractor may request the United States to enter into such litigation to protect the interests of the United States.'"

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

OFFICE OF MINERALS EXPLORATION
-6534
Busty Belle Mines, Inc.

13



ROAD CLASSIFICATION

ALL WEATHER ROADS		DRY WEATHER ROADS	
Hard-surface	None	Improved dirt	
Other		Unimproved dirt	
Trails			

U. S. Route State Route

(FAIRBANKS D-1)

Fig.1- SILVERTONE AND COTTONWOOD GROUPS OF CLAIMS

FAIRBANKS RECORDING DISTRICT
ALASKA

Scale 1:63,360

LIVENGOOD (A-2), ALASKA
N6500—W14730/15X30
1954

U.S.Geological Survey
Office of Minerals Exploration
OME-6534

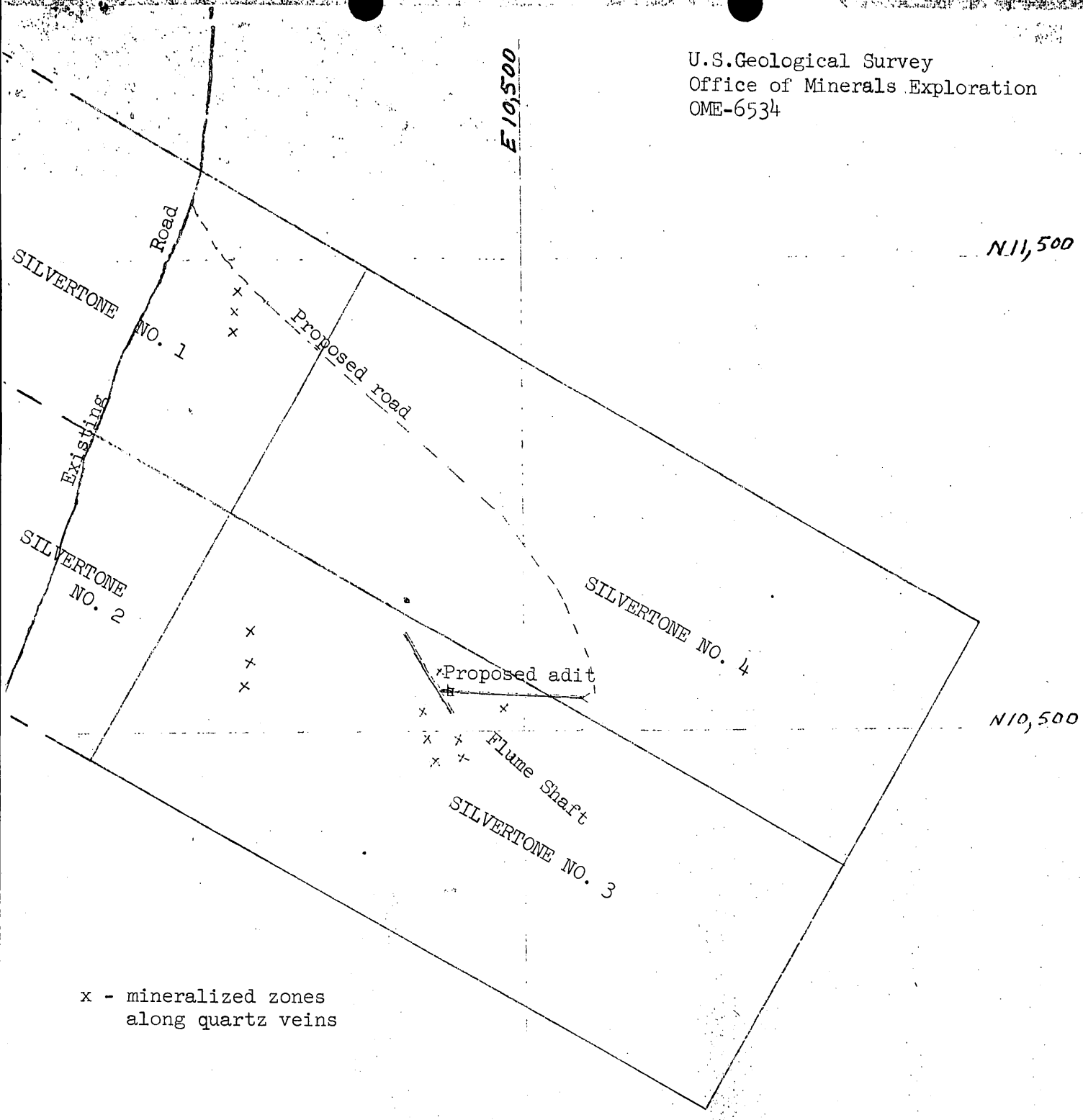


Fig. 2 Proposed Exploration
SILVERTONE LODE CLAIMS
Busty Belle Mines, Inc.
Fairbanks, Alaska

Scale 1" = 300'

BUSTY BELLE MINES, INC.
212 Nerland Building
543 Third Avenue
Fairbanks, Alaska 99701

Warren A. Taylor, Pres.
John C. Rasor, V. Pres.-Treas.
JoAnn C. Burk, Sec'y.

RECEIVED
MAR 30 1966
OFFICE OF MINERALS EXPLORATION
U.S. GEOLOGICAL SURVEY
MENLO PARK, CALIF.

March 21, 1966

Mr. Harold K. Stager
Field Manager, Region II
Office of Mineral Exploration
U.S. Geological Survey, Building 2
345 Middlefield Road
Menlo Park, California, 94025

Re: OME-6534 (silver-gold)

Dear Mr. Stager:

Enclosed herewith you will please find a copy of Quit-Claim Deed from Rasor, Burk and Taylor to the Busty Belle Mines, Inc. This completes the information and copies of certain documents requested pursuant to a letter from Mr. Johnson in Washington D.C.

If there is anything more which you require, we will be more than happy to supply the same.

Very truly yours,
BUSTY BELLE MINES, INC.

By: (Mrs.) JoAnn C. Burk, Sec'y.

jcb
Enc.: Q-C Deed

Hold pending Rept. of Field Exam

QUITCLAIM DEED

THIS INDENTURE, made this 21 day of March 1966, between:

WARREN A. TAYLOR, JOHN C. RASOR, and JoAnn C. BURK, of Fairbanks, Alaska, Parties of the First Part, hereinafter referred to as Grantors,

and

BUSTY BELLE MINES, INC., An Alaskan Corporation, Parties of the second part, hereinafter referred to as Grantees.

W I T N E S S E T H:

That the said Grantees, for and in consideration of the sum of One ($1.00) Dollar, legal tender of the United States of America, to them in hand paid by the said Grantee, the receipt whereof is hereby acknowledged, have granted, bargained, sold, remised, released and forever quit-claimed and by these presents do bargain, grant, sell remise, release and forever quit-claim unto the said parties of the second part, the Grantees and its heirs and assigns, the following described real property:

Silvertone Group consisting of four lode claims numbered 1, 2, 3 and 4, recorded in Volume 27, Pages 378, 379,380 and 381.

Cottonwood Group of Claims consisting of four lode claims numbered 1, 2, 3, and 4, recorded in Volume 29, at pages 352, 353, 354, and 355,

all recorded in the Fairbanks Recording District, Recorder's office, Fairbanks Alaska, located in Sections 8, 9, 16 and 17, T. 2 N. R. 1 E. Fairbanks Meridian.

To have and to hold, all and singular, the said premises together with appurtenances and privileges thereto incident unto the said Grantee and to its heirs and assigns forever.

LAW OFFICE
OF
WARREN A. TAYLOR
ROOM 212
NERLAND BLDG.
FAIRBANKS, ALASKA
PHONE 452-3170

IN WITNESS WHEREOF, we have hereunto set our hands and seals this 21 day of March, 1966.

John C. Rasor

John C. Rasor

JoAnn C. Burk

JoAnn C. Burk

Warren A. Taylor

Warren A. Taylor

STATE OF ALASKA)
) ss.
FOURTH JUDICIAL DISTRICT)

THIS IS TO CERTIFY that before me, the undersigned, a Notary Public in and forAlaska, duly commissioned and sworn, personally appeared JOHN C. RASOR , and JoANN C. BURK, known to me and to me known to be the identical individuals named in and who executed the within and foregoing quit-claim deed and they did so as their free and voluntary act, for the uses and purposes therein contained.

WITNESS my hand and official seal this 21st day of March, 1966.

Shirley Deveneau
Notary Public in and for Alaska
My commission expires: 4-16-68

STATE OF ALASKA)
) ss.
FIRST JUDICIAL DISTRICT)

THIS IS TO CERTIFY that before me, the undersigned, a Notary Public in and for Alaska, duly commissioned and sworn, personally appeared WARREN A. TAYLOR, known to me and to me known to be the identical individuals named in and who executed the within and foregoing quit-claim deed, and they did so as his free and voluntary act, for the uses and purposes therein contained.

WITNESS my hand and official seal this 21 day of March, 1966.

James B. Wardle
Notary Public in and for Alaska
My commission expires:
My commission expires March 2, 1969

LAW OFFICE
OF
WARREN A. TAYLOR
ROOM 212
NERLAND BLDG.
FAIRBANKS, ALASKA
PHONE 452-3170

BUSTY BELLE MINES, INC.
212 Nerland Building
543 Third Avenue
Fairbanks, Alaska 99701

Warren A. Taylor, Pres.
John C. Rasor, V. Pres.-Treas.
JoAnn C. Burk, Sec'y.

OFFICIAL COPY
O. M. E.
RECEIVED
MAR 2 1966
INITIALS
110
120 m
120
120 s

February 25, 1966

U. S. Department of Interior
Office of Mineral Exploration
Washington 25, D. C.

Attention: Frank E. Johnson, Chief, O.M.E.

Re: OME-6534 (Silver-Gold)
Busty Belle Mines, Inc.
Silvertone and Cottonwood Groups of Claims
Fairbanks Precinct, Alaska

Dear Mr. Johnson:

Receipt of your letter of February 11, 1966, is hereby acknowledged.

The following cover the information as requested in your letter:

2. Enclosed herewith is a copy of the Contract to Sell Mining Claims signed by Mr. Taylor. We are obtaining a copy of the Quit-claim Deed from Rasor, Burk & Taylor to Busty Belle Mines, Inc. and will forward the same as soon as it is received. Also enclosed is an original and four copies of the Lien and Subordination Agreement signed by Tury F. Anderson.

3 (d) Samples 97, 98, 99, 100, 101 and 103 a-b-c-d were surface samples taken in gossan and not in the true veins as the veins in this area do not expose themselves directly to the surface. Enclosed is a copy of the results of these samples which was prepared by the Bureau of Mines. Also enclosed are

To: Frank E. Johnson, Chief, O.M.E.

Re: OME- 6534

three assay reports. Notations made on assay reports enlarge upon the locations of the samples.

Anderson 38, 59, Pittman F 2 and F 5 are not samples. They are merely reference points from past geophysical work.

9 Tons cobbed
Au $35
Ag 65.
Pb 80.
$180. per ton
9
$1620.29

Please note on the new map enclosed the ore values which were recently taken from the drift which is now in existence.

Mineralization appears to be concentrated near the periphery of the Pedro Dome-Cleary Pluton. Ore occurs in sulfide-rich quartz veins along NW-SE trending fractures in a zone of crude rectangular fracture pattern. Ore bodies pinch and swell and are offset by minor faults. Wall rock alteration along fractures is a guide to ore.

5 (a) The adit is preferred to sinking the shaft because of possible ground water problems. Pumping and hoisting will most likely make the cost of sinking more than drifting to reach the projected bottom of the shaft.

The proposed location of the adit portal is near the head of a tributary drainage into Flume Creek; contouring has not been extended far enough to show broad surface features. The portal site will be located above and to one side of a water course. Water in the drainage course appears to be subsurface as well as surface origin.

The map layout does not show the proposed adit in vein but the purpose of the adit is to follow vein as much as is practical to do so. Surface work shows the vein to be offset by minor faults; these faults could possibly disrupt a straight-line course for the adit.

Note step-faulting on map.

To: Frank E. Johnson, Chief. O. M.E.

Re: OME-6534

7 (b) There are available services of a mining engineer in the event of any unusual complex problem.

7 (d) Enclosed herewith are descriptive and illustrative brochures covering the mucking machine and the drill. These should give you any information regarding the two.

Atlas Copco T12GH Auto-loader

Le Roi jackleg Model LLV

Re; Compressor. It is a 6 cylinder Diesel International Motor, Worthington Compressor, 315 Cubic Foot Capacity.

We have not estimated cost of rail in application. We intend to use the mucker to remove the muck out of the drift after blast. Should this prove inconvenient or inadequate, we have enough rail to utilize for muck removal.

brochure says OK up to 600 ft.

We are very pleased to furnish any information which you now require or may require. If you need any more information, please send inquiry via airmail and we will do everything in our power to supply you with the same. We are anxious to begin work in April and anything we can do to expedite your decision will surely be done post haste.

Very truly yours,
BUSTY BELLE MINES, INC.

JoAnn C. Burk

By: JoAnn C. Burk, Secretary
(Mrs.)

jcb
Enc.: As cited.

State of Alaska
Department of Natural Resources
Division of Mines and Minerals
Form M-1-8-62—3M

Assay Office Fairbanks
Date October 21, 1964

REPORT OF ASSAY

On samples received from Tury Anderson

Address

Assay No.	Sample Marked	OUNCES PER TON		Value per Ton	Percentage of
		GOLD	SILVER		
29089	Flume Shaft # 7	0.33	4.77	$17.66	Silver @ 1.28 per ounce
29090	" " # 8	0.24	0.92	9.57	
29091	" " # 9	0.23	1.79	10.34	

+11-3 - Surface ore 20' above Flume Shaft

#7 - is same ore as assay # 28772 which is 5-10' below surface. 24.9% Pb

#8+9 " " " " " #28812 " " " " " .

These samples taken approximately 3 or 4' deeper and in the same location as B. of Mines 103 abcd

William M Burrard
Assayer.

State of Alaska
Department of Natural Resources

Division of Mines and Minerals

Form M-1-8-62-3M

Assay Office Anchorage, Alaska

Date September 14, 1964

REPORT OF ASSAY

On samples received from Tary Anderson

Address Box 1498 - Fairbanks, Alaska

Assay No.	Sample Marked	OUNCES PER TON		Value per Ton	Percentage of
		GOLD	SILVER	LEAD	
16646	28772			24.9%	
16648	Flume Shaft #6			1.2%	
16650	28771			36.6%	
16652	28810			12.4%	
16663	28773			0.3%	

I.W. Mitchell Assayer.

State of Alaska
Department of Natural Resources
Division of Mines and Minerals

Form M-1-8-62-3M

Assay Office Fairbanks

Date Aug 19, 1964

REPORT OF ASSAY

On samples received from Tury Anderson

Address Box 1498, Fairbanks, Alaska

Assay No.	Sample Marked	OUNCES PER TON GOLD	OUNCES PER TON SILVER	Value per Ton	Percentage of
28771	Flume Shaft #1	0.40	80.90	118.36	93.6
28772	Flume Shaft #2 and 7	0.42	44.14	71.64	- Same ore As #29089
28773	Flume Shaft #3	0.10	0.98	4.76	
28810	Flume Shaft #4	0.24	14.76	27.44	12.9
28811	Flume Shaft #5 and 8	0.36	73.16	106.97	
28812	Flume Shaft #6 and 9	1.62	5.98	64.41	Same ore As #29090-91

Samples sent to Anchorage For Lead Assay

Samples Taken 10' below Surface in Shaft

Donald R Stern
Assayer.

CHANNEL AND GRAB SAMPLE RESULTS

Sample		Ounces per ton		Percent	
Number	Length, feet	Silver	Gold	Lead	Antimony
Trench 13					
97	0.15	tr	0.01	tr	-
98	2.8	tr	.01	.04	tr
99	.6	14.09	.13	7.81	-
100	.8	tr	00	.23	-
101	1.0	.68	.02	.02	-
102	.9	tr	00	.02	-
102a	grab	tr	00	tr	-
Open Cut					
103a	2.3	3.33	.15	1.96	-
103b	2.0	.21	tr	.12	-
103c	2.5	tr	tr	tr	-
103d	3.4	tr	tr	tr	-
104a	1.2	.16	.01	.07	-
104b	1.8	tr	tr	.02	-
105	grab	49.41	.23	18.94	.19
106	.9	3.84	.15	4.00	.07

tr = trace
- = no analysis made

C RACT TO SELL MINING CLAIMS
D MINING EQUIPMENT

THIS AGREEMENT, made and entered into this 29th day of November, 1965, by and between, TURY F. ANDERSON, of Fairbanks, Alaska, hereinafter known as Seller, and JOHN C. RASOR, JoANN C. BURK, and WARREN A. TAYLOR, all of Fairbanks, Alaska, and hereinafter known as Buyers.

W I T N E S S E T H:

That for and in consideration of the sum of SIXTY THOUSAND ($60,000.00) Dollars, to be paid in the amounts and manner hereinafter set forth, the Seller, his heirs and assigns, hereby covenants and agrees to transfer to Buyers, their heirs and assigns, a good, clear and equitable title to certain unpatented lode mining claims described as follows:

Silvertone group, consisting of four lode claims numbered 1, 2, 3 and 4, and

Cottonwood group, consisting of four lode claims numbered 1, 2, 3 and 4;

the location of which is recorded in the Recording Office of the Fairbanks Recording District, State Building, Fairbanks, Alaska, together with the following described personal property, to-wit:

1 - H.D. - 19 Allis-Chalmers Tractor with Dozer, Serial No. HD-19-H 1557;

1 - Bay City Power Shovel, Serial No. 1573;

1 - 125 Cubic Foot Sullivan Air Compressor, Serial No. 126646;

with miscellaneous tractor and shovel parts, bus body, mine cars, rails, blasting powder, caps, fuse and various hand tools situate on the above described mining claims, all located in the Fairbanks Recording District, and the location of which are recorded in the office of the District Recorder for the Fairbanks Recording District, Fourth Judicial Division, State of Alaska.

The terms of the payment shall be as follows: The sum of TWELVE THOUSAND ($12,000.00) Dollars, cash on the execution of this agreement, and deposit of deeds and/or bills of sale in escrow with the Alaska State Bank Bank of Fairbanks, Alaska.

The balance to be paid in six equal payments of Six Thousand ($6,000.00) Dollars, the first of said payments to be made on or about the 1st day of March, 1967; and thereafter, on or about the 1st day of March of each subsequent year, until the sum of THIRTY SIX THOUSAND ($36,000.00) Dollars, has been paid in full.

The balance of TWELVE THOUSAND ($12,000.00) Dollars, shall be evidenced by the issuance of stock to the said Seller, his heirs or assigns, in the corporation to be formed by the Buyers herein. Six Thousand ($6,000.00) of which stock shall be conveyed to Seller, his heirs or assigns, on or before March 1, 1966, and the final balance of stock on or before March 1, 1972, which may be made in stock or cash at the option of the Buyers.

It is further understood and agreed that the Buyers may

incorporate a corporation under the corporate laws of the State of Alaska, and that in that instance, the Seller, his heirs or assigns, shall receive stock, at par value thereof, in said corporation for the interest he elects to maintain in the mining claims and equipment, but not to exceed stock in excess of $12,000.00 in value, as hereinbefore provided.

In the event the Seller, his heirs or assigns, should desire to sell his stock inthe corporation to be formed, the Buyers herein shall have the first option of purchasing said stock from Seller, his heirs or assigns.

It is understood and agreed that the Buyers will prosecute the development of said mining property, and will mine and ship such ore as may be abstracted from said mine; and will perform the annual assessment work required by law and will file and record the necessary affidavits of said assessment work in the office of the State Recorder at Fairbanks, Alaska, and shall pay all taxes levied against said property.

It is further agreed that the Buyers may enter into negotiation with the U.S. Office of Mineral Exploration for financial assistance in the development and exploration of said mining claims hereinbefore described, and, if necessary, Seller will execute all necessary documents to secure said financial assistance from the said Federal Office.

It is further understood and agreed, that in the event of the incorporation of a company by the Buyers, that the Buyers interest in this contract and in the said mining property and equipment, may be assigned to the said corporation so formed.

It is further understood and agreed, that the Seller, his heirs or assigns, in addition to the cash and stock hereinbefore mentioned, shall receive a royalty payment equal to five (5%) percent of the net smelter returns, and of the recovery of gold, silver or other precious metals by milling operations at or adjacent to the mining operation carried out on the mining claims hereinbefore described. This royalty agreement payment shall be an obligation of the successors, heirs and assigns of the Buyers.

That the Seller will cooperate with the Buyers, or their assignee or assignees, in making the operation of the mining, milling or smelting, a profitable venture.

IN WITNESS WHEREOF, the parties have hereunto set their hands, this 29th day of November, 1965.

Tury F. Anderson

Tury F. Anderson, Seller

John C. Rasor

John C. Rasor

JoAnn C. Burk

JoAnn C. Burk

Warren A. Taylor

Warren A. Taylor, Buyers

STATE OF ALASKA)
) ss.
FOURTH JUDICIAL DISTRICT)

THIS IS TO CERTIFY that before me, the undersigned, a Notary Public in and for the State of Alaska, duly commissioned and sworn, personally appeared TURY F. ANDERSON, to me known and known to me to be the identical individual mentioned in and who executed the within and foregoing Contract to Sell Mining Claims and

Mining Equipment, and he acknowledged to me that he signed the same freely and voluntarily, for the purposes and uses therein contained.

WITNESS, my hand and official seal this 29th day of November 1965.

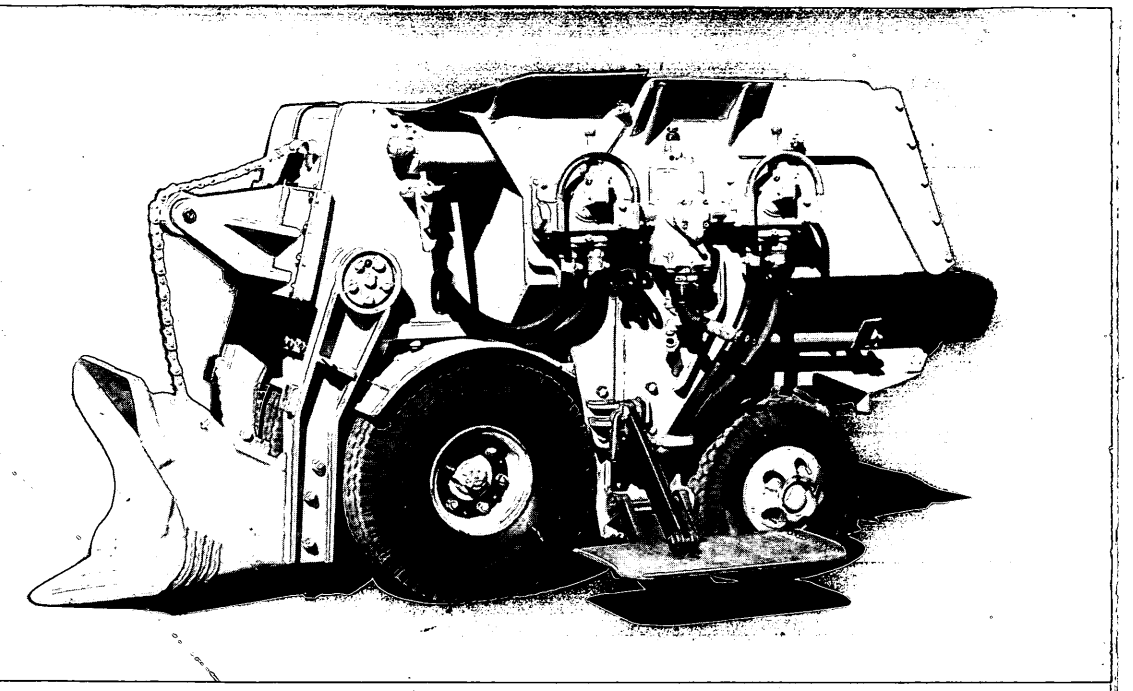
Carol C Lundy
Notary Public in and for Alaska.
My commission expires: 12/27/66

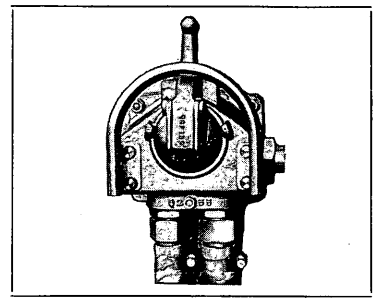
STATE OF ALASKA)
) ss.
FOURTH JUDICIAL DISTRICT)

THIS IS TO CERTIFY that before me, the undersigned, a Notary Public in and for the State of Alaska, duly commissioned and sworn, personally appeared JOHN C. RASOR, JoANN C. BURK, and WARREN A. TAYLOR, to me known and known to me to be the identical individuals mentioned in and who executed the within and foregoing Contract to Sell Mining Claims and Mining Equipment, and they each acknowledged to me that they signed the same freely and voluntarily, for the uses and purposes therein mentioned.

WITNESS, my hand and official seal this 29th day of November 1965.

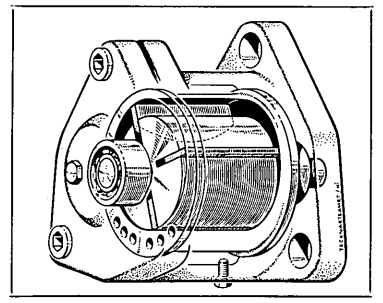
Carol C Lundy
Notary Public in and for Alaska.
My commission expires: 12/27/66





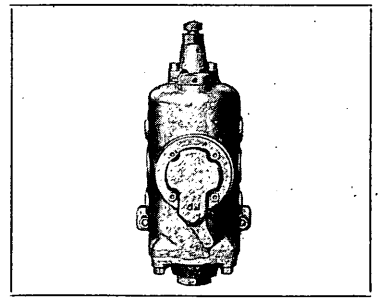
AIR CONTROLS

The air controls work smoothly and ensure perfect control of the Auto-loader. Special silencers keep exhaust noise from controls at low level. The control levers can be locked in idling position by special catches to avoid involuntary operation.



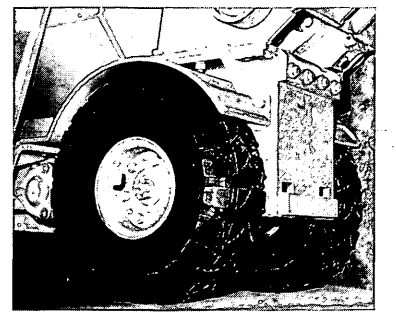
VANE-TYPE AIR MOTOR

The Auto-loader uses vane-type air motors for bucket operation, traction and steering. These motors combine very rapid action with small overall dimensions. They are simple, robust and reliable. The four wear-resistant vanes are made of a new and carefully tested synthetic material.



SHUT-OFF VALVE–LUBRICATOR

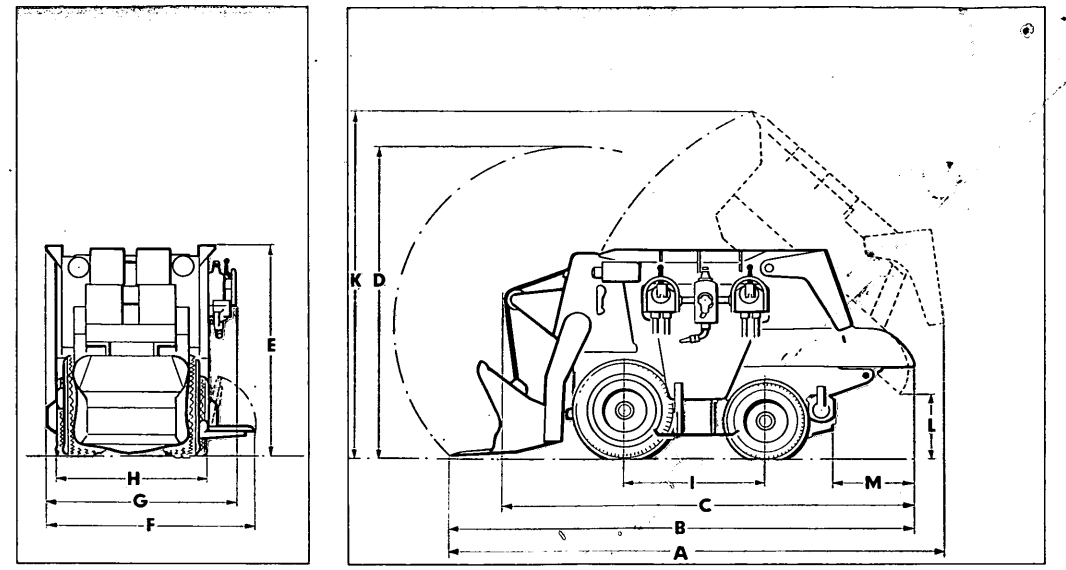
The instant-acting shut-off valve is integral with the air filter and the central lubricator which supplies air motors and controls with oil. The shut-off valve is of the diaphragm type and enables the whole machine to be cleared of air by a single manipulation.



PROTECTION CHAINS

The Auto-loader can be provided with protection chains which have proved to be an effective aid on particularly abrasive or slippery ground – they reduce tyre wear and give a very good grip. The chains require next size smaller standard tyres for the driving wheels.

PRINCIPAL DIMENSIONS



T2GH	A	B	C	D	E	F	G	H	I	K	L	M
mm.	3,445	2,960	2,640	2,070	1,440	1,430	1,170	970	900	2,310*)	460	455
in.	135½	117	104	82	57	56	46	38	35½	91*)	18	18

*) A special version of the Auto-Loader – T2GH SP – has a car body with a front top section that swings down when the loader is in dumping position. On this model the measurement K is only 2,010 mm (79½").

TECHNICAL DATA

	Metric	English
Bucket capacity	120 litres	4.0 cu.ft.
Body capacity	750 litres	26.5 cu.ft.
Bucket-operating motor effect at 6 kg/cm² (85 psi)	12 hp	12 hp
Traction motor effect at 6 kg/cm² (85 psi)	10 hp	10 hp
Travelling speed, max.	1.5 m/sek.	4.9 ft/sec.
Climbing capacity at full load, max.	1:8	1:8
Working pressure	5–7 kg/cm²	70–100 psi
Turning radius (inner wheels)	2.35 m	7 ft. 8 in.
Driving-wheels	8.25×10"*)	8.25×10"*)
Steering-wheels	6.00×9"	6.00×9"
Gross weight	2,100 kg	4,620 lb.

*) When using protection chains, tyres with dimensions 7.50×10" are required.

Atlas Copco

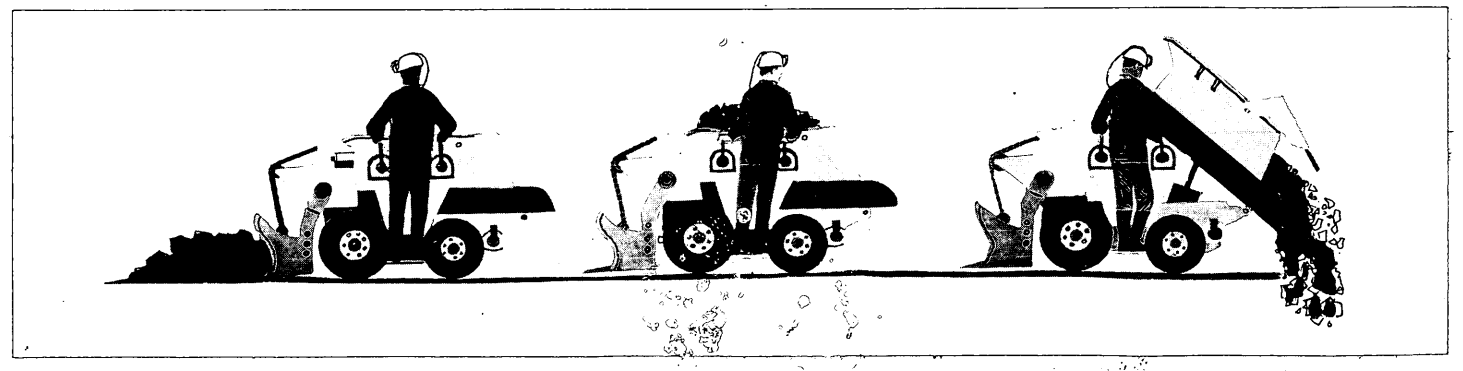
MANUFACTURED, SOLD AND SERVICED BY THE WORLD-WIDE ATLAS COPCO ORGANIZATION

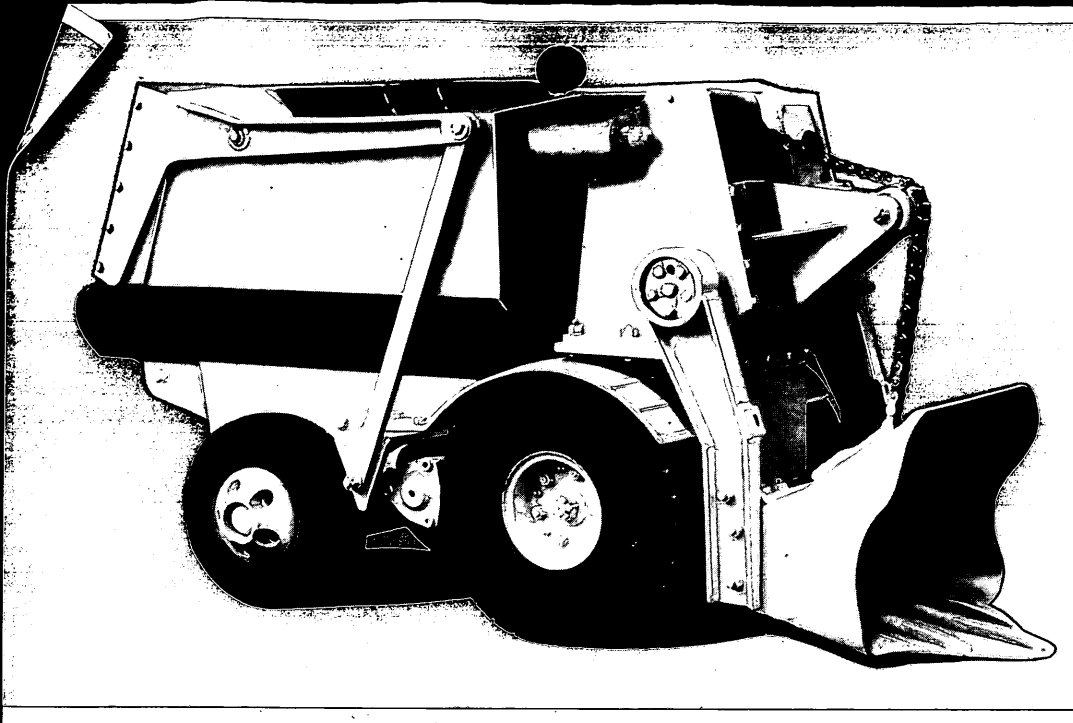
(Endast för spridning utomlands)
Printed in Sweden by Wiking Södertälje

T2GH AUTO-LOADER

Atlas Copco

Auto-loaders make mucking a one-man job





T2GH

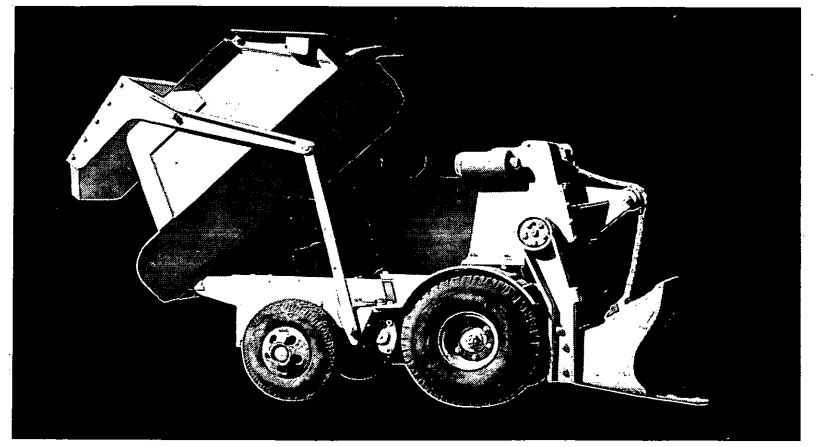
MUCKING MADE EASIER, FASTER AND CHEAPER

Loading, transport and dumping are the three phases of the normal mucking routine. The Auto-loader covers them with only one man at the controls.

The Auto-loader does not need rails. It runs on rubber-tyred wheels and is guided by an air-powered steering mechanism, giving smooth and accurate control.

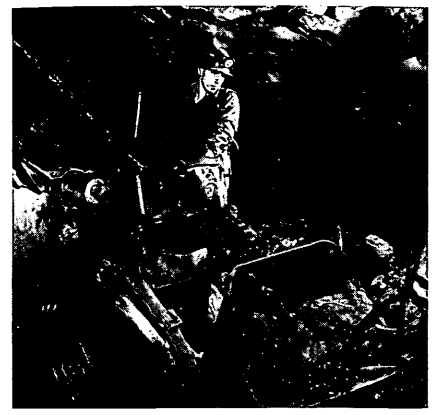
The great mobility of these loaders make them ideal for the numerous mucking operations that are a normal part of mining and excavation work.

The Auto-loader provides an economical solution to mucking problems. One man and one machine can thus tackle the triple task of loading, transport and dumping. Quite apart from the reduction in personnel which this new technique allows, the Auto-loader gives complete freedom of movement over an operating range of up to 600 feet. It also confers the additional advantage of a reduction in the total amount of equipment required for the mucking operation.

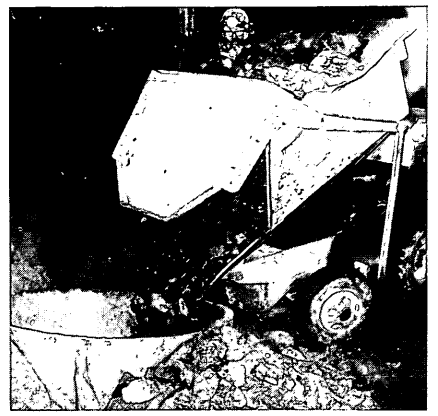


Typical applications for the T2GH

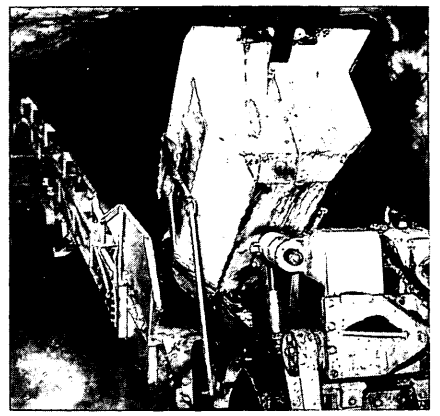
- Cut-and-fill stoping
- Drifting in cross-cuts
- Sub-level caving
- Starting headings directly from shafts
- Driving pilot tunnels
- Excavating special-purpose chambers in connection with main headings
- Loading to dumper trains
- Handling bulk cargoes



Loading in a rock chamber.



Dumping down the chute.



Discharging onto a conveyor.

I LOADING

With the bucket resting on a powerful buffer, the Auto-loader is driven straight into the muck pile, the full traction power of the machine thus being utilized. The design of the bucket gives a good clearing capacity, and it is also adjustable for height.

The bucket chain transmits the maximum lifting power to the bucket when the latter commences its loading cycle. During the bucket's vertical travel, acceleration takes place and the speed reaches its maximum the moment the bucket strikes the buffers, ensuring effective filling. According to the size of the material to be loaded and the operator's skill, the body can be loaded with seven to nine bucketfuls in about one minute.

II TRANSPORT

The Auto-loader incorporates an air-driven power steering motor. This allows the rear wheels to be turned even when the Auto-loader is stationary and fully loaded — a great advantage especially in very narrow workings. A time study showed that the T2GH required only 24 seconds to do a complete turn in a drift 11 feet wide.
The rubber tyres absorb shocks and ensure smooth travelling, and the mobility of the loader is very satisfactory even on loose ground. Pneumatic tyres eliminate the risk of the air hose being damaged by the wheels. To protect the tyres when the ground is covered with extremely abrasive and sharp stones, protection chains should be used. These chains, which are also ideal if the ground is very soft and slippery, are described in a special leaflet, obtainable on request.

Auto-loaders have been operated with good results at a distance of up to 300 feet from the air connection; this means a travelling distance of about 600 feet, as the air connection is normally set up midway between the loading and dumping sites.

III DUMPING

The dumping height of the T2GH Auto-loader allows convenient discharge onto conveyors as well as dumping down the chute. The body is hinged at its rear, and is operated by means of a certical air cylinder.

For working sites where the roof-height at the dumping place is low, a special body is available on request.

TECHNICAL FEATURES

The operating controls, which consist of two levers mounted on the left side of the machine, ensure very smooth and accurate loading, travelling, steering and dumping. Vane-type air motors are used for bucket operation, traction and steering.

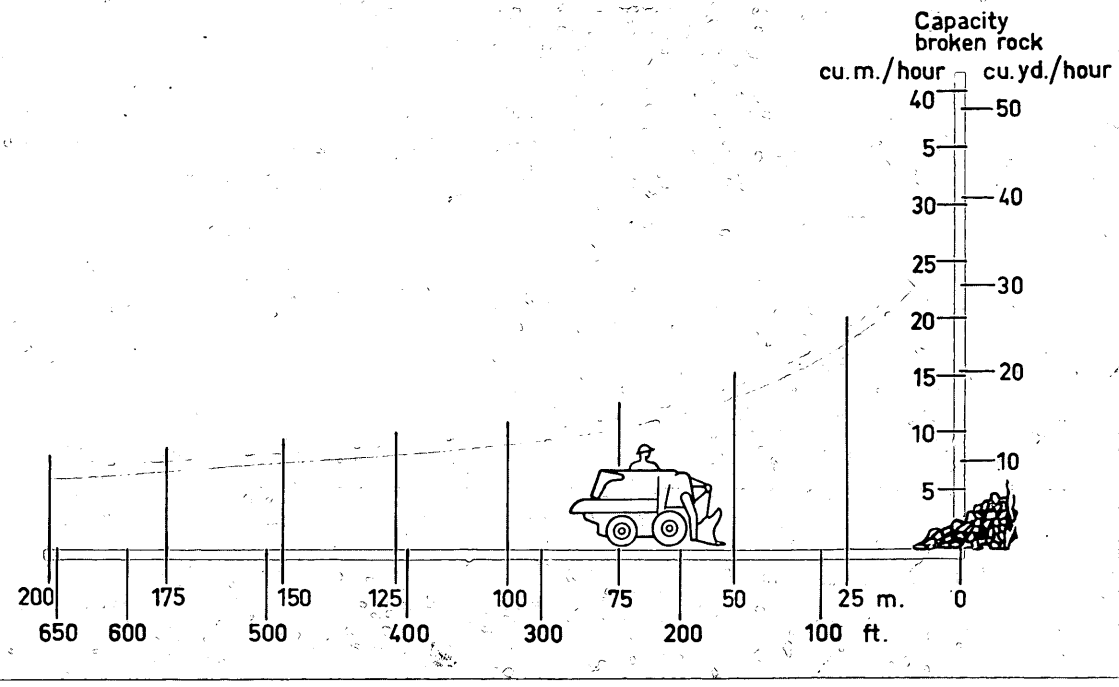
To avoid involuntary operation of machines not in service, the control levers are fitted with catches, which lock them in their idling position. There is also a shut-off valve by which the air supply can be cut instantly.

Integral with the shut-off valve is an efficient air filter and lubricator for supplying oil to the controls and motors. The components of the traction and bucket-operating gears are similar to those of the track-bound Atlas Copco loaders, which have been tested in actual service over a great many years.

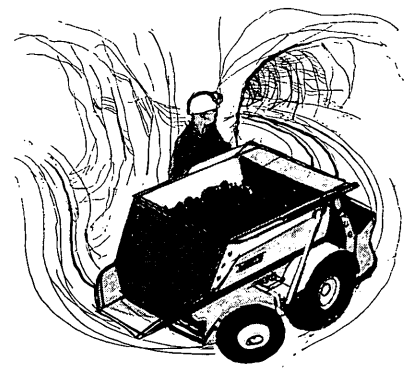
The buffers are completely enclosed, and have spring guides which increase the life of the springs. The machine is provided throughout with SKF bearings, efficiently sealed against dirt and water.

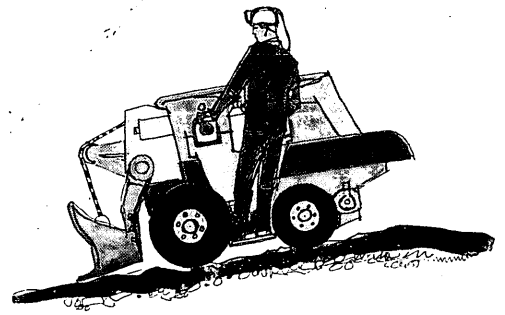
For easy transport, the machine can be dismantled into a few compact units and the bodies split longitudinally.

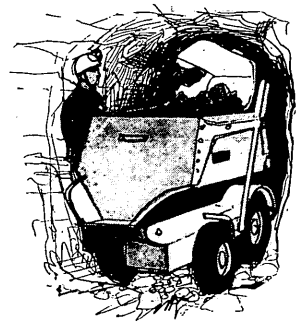
The bodies have a capacity of 26.5 cu.ft., the bucket 4.0 cu.ft.

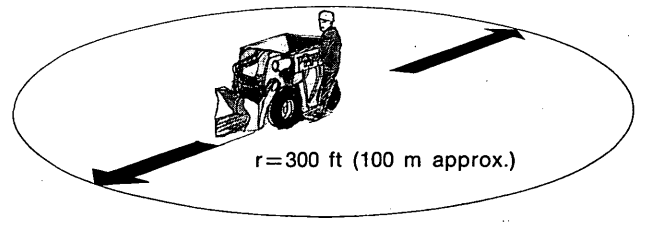


The loading capacity of the T2GH in relation to the travelling distance.

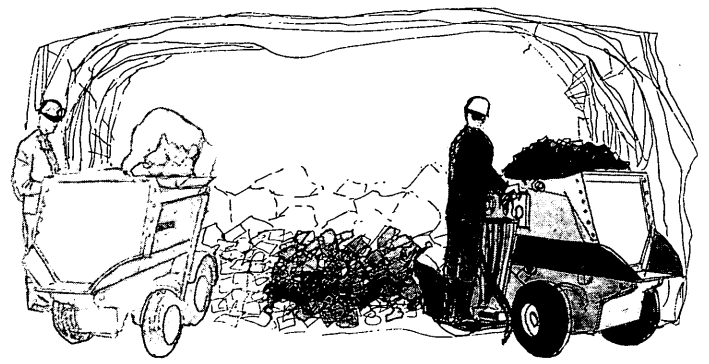








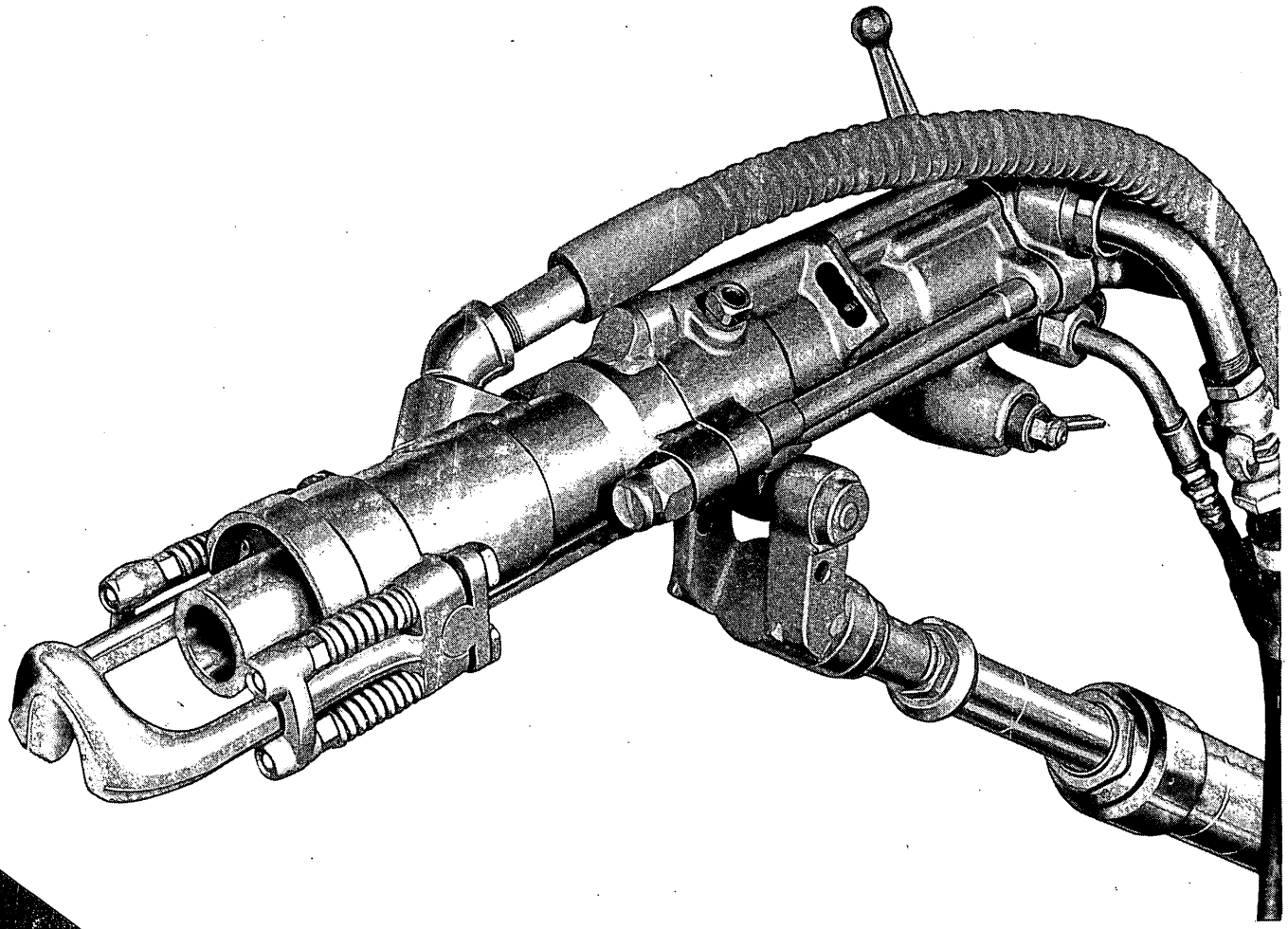
Advantages of the Auto-loader illustrated:
It runs easily through bends, loads in moderate slopes, requires little headroom, has a long radius of action and, of course, is ideal for mucking out wide drifts where its mobility really counts.



LE ROI

DIVISION OF WESTINGHOUSE AIR BRAKE CO.

SIDNEY, OHIO



LLV Dust Collecting Sinker Rock Drill

For dry drilling in tunnels and shafts . . . for quarries, coal, or metal mining . . . **medium weight rock drill** built in dust collecting system . . . **bracket for mounting on Le Roi air leg** . . . air leg supports drill, feeds drill into hole, absorbs recoil . . . **can be used as air leg sinker, stoper or as hand sinker** . . . dust collector operated by throttle valve . . . **four way throttle: on, half on, off, dump** . . . 1 inch hex. by 4½ inch drill steel for large hole drilling . . . **chuck replacement without dismantling machine** . . . Bureau of Mines Approval No. BM2531

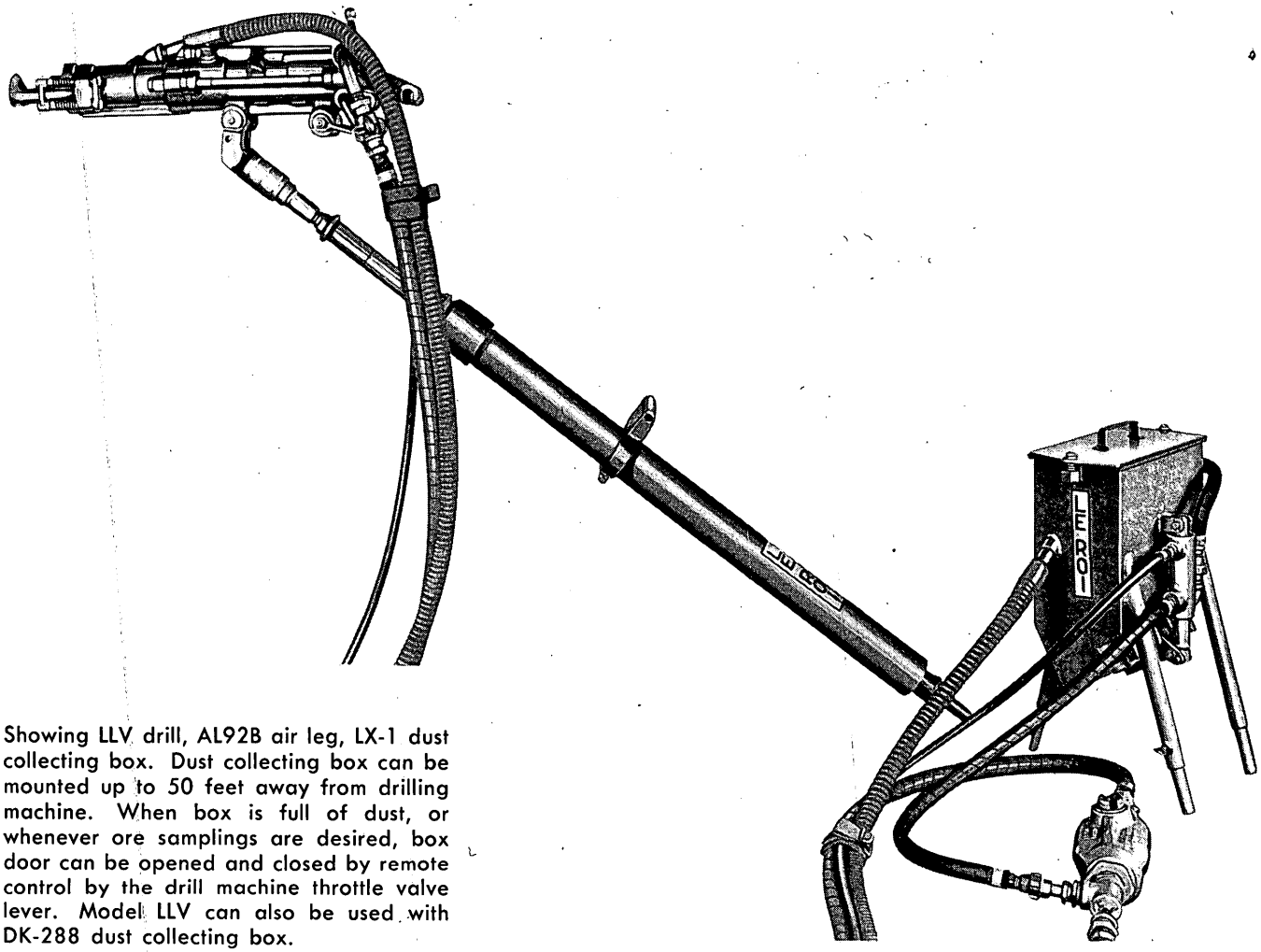
SPECIFICATIONS

Le Roi Newmatic® Model LLV Vac-Nu-Matic® Sinker Rock Drill

Le Roi, whose policy is one of continuous improvement of its products, reserves the right to change specifications or equipment without incurring obligations as to units previously sold.

AT-139

Bore	2 5/8 in.
Stroke	2 1/2 in.
Air Consumption @ 80 PSI	105 CFM
Weight, LLV Drill Only	66 lbs.
Length, LLV Drill Only	29 1/4 in.
Chuck Size	1 in. Hex x 4 1/4 in.
Drill Steel	1 in. Hex x 4 1/4 in. with 7/16 in. hole
Air Hose	3/4 in.
Air Connection	3/4 in Pipe
Dust Collector Hose	1 in.
Dust Collector Hose Connection	3/4 in. Pipe
Dust Collector Pilot Hose	3/8 in.
Dust Collector Pilot Hose Conn.	3/8 in. Pipe
Bits	5-hole CRD or CRD Vac-Nu-Matic®



Showing LLV drill, AL92B air leg, LX-1 dust collecting box. Dust collecting box can be mounted up to 50 feet away from drilling machine. When box is full of dust, or whenever ore samplings are desired, box door can be opened and closed by remote control by the drill machine throttle valve lever. Model LLV can also be used with DK-288 dust collecting box.

Air Legs with Bracket for LLV Air Leg Drill

Air Leg Model	Feed	Weight	Length Closed	Length Extended
AL 90	36 in.	30 lbs.	56 3/4 in.	92 3/4 in.
Single	48 in.	34 lbs.	69 in.	117 in.
Extension	60 in.	37 lbs.	81 1/4 in.	141 1/4 in.
AL 92B	48 in.	45 lbs.	48 in.	96 in.
Telescopic	72 in.	50 lbs.	60 in.	132 in.

8610500 N.W. Printed in U. S. A.

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION
GEOLOGICAL SURVEY
So. 157 Howard Street
Spokane, Washington 99204
January 21, 1966

OFFICIAL COPY
O. M. E.
RECEIVED
JAN 24 1966
INITIALS

Memorandum

To: Chief, Office of Minerals Exploration

From: Field Officer, Region I

Subject: Transmittal of OME Application for Assistance
Busty Belle Mines, Inc. (Silver)
Silvertone, et al. Claims
Fairbanks Precinct
Fourth Judicial District, Alaska

Enclosed is an application to explore for gold, silver, and lead-bearing ore on claims situated in secs. 8, 9, 16, and 17, T. 2 N., R. 1 E., Fairbanks Meridian. Although the applicant is requesting a silver project at 75 percent Government support, the large map contains the following notes regarding three shipments of cobbed ore:

	Gold		Silver		Lead	
Tons	Oz/T	Value	Oz/T	Value	%	Value
21.420	0.520	$18.20	32.20	$ 41.53	16.55	$ 52.30
34.327	0.523	18.30	34.08	43.96	17.18	54.35
4,891	0.440	15.40	91.65	118.23	39.00	123.24
Total 60.638	0.515	$18.03	38.06	$ 49.09	18.72	$ 59.18

The grades of each shipment and the average grade of the three shipments all show that the lead values at $0.158 per pound exceed the silver values, and only when the gold and silver values are combined does their value make up 53 percent of the value of the first two shipments and the average value of all three shipments--their value makes up 52 percent of the value of the third shipment. Therefore, this property would appear barely to qualify as a gold-silver project at 62½ percent support, and falls considerably short of qualifying as a silver project.

Very little geologic information is given on the maps and none in the narrative under 3(d) through (g). Many sample locations and geophysical survey stations are shown on the large map, but no sample descriptions, assays, and geophysical data are submitted.

The banks are asked to lend $75,000, but the Government's share of the estimated cost (at 62½ percent) is only $32,300. The applicant intends to raise his share of the cost by selling at least $12,500 to $15,000 worth of stock. I am wondering if he can carry his share if he does not sell at least $20,000 worth of stock.

The Contract to Sell Mining Claims dated November 29, 1965, is not signed by Warren A. Taylor, a co-signer of the Assignment of Contract, dated January 14, 1966. The Quit Claim Deed mentioned in the Assignment of Contract is not included. Item 2(c) states simply: "No lien or subordination agreement to be had."

If this application is referred to the field, please return the two maps as they are the only ones received. No claim map was submitted.

D. R. MacLaren

D. R. MacLaren

Enclosure

MME Form 40
July 1962

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION

Budget Bureau No. 42-R1368
Approval expires Dec. 31, 1963

RECEIVED
Air-Reg.
JAN 20 1966
R. P.
OME
WASHINGTON

OFFICIAL COPY
M. E.
RECEIVED
JAN 24 1966
INITIALS

APPLICATION FOR FINANCIAL ASSISTANCE IN MINERALS EXPLORATION

Pursuant to Public Law 85-701 (72 Stat. 700; 30 U.S.C. 641)

NAME OF APPLICANT *(Full legal name and mailing address as they should appear on contract if one is executed.)*

Busty Belle Mines, Inc.
212 Nerland Building
Fairbanks, Alaska, 99701

APPLICANT DO NOT USE THIS BLOCK

DOCKET NUMBER 6534

DATE RECEIVED 1-24-66

REGION I

DIVISION CODE

BUSINESS ORGANIZATION *(Check one)*

- INDIVIDUAL [ ]
- CORPORATION [X]
- PARTNERSHIP [ ]
- OTHER *(Specify)* [ ]

STATE IN WHICH FIRM IS ORGANIZED: Alaska

LIST CORPORATE OFFICERS OR PARTNERS HERE, IF APPLICABLE

NAME	ADDRESS	TITLE
Warren A. Taylor,		President
John C. Rasor		Vice Pres. & TREasurer
JoAnn C. Burk		Secretary

MINERAL(S) FOR WHICH YOU WISH TO EXPLORE: Silver

ESTIMATED COST OF PROJECT: $ 51,681.02

PROPERTY NAME	LOCATION COUNTY	STATE
Silvertone 1,2,3,4	Both situate Fair-	
Cottonwood 1,2,3,4	banks Pct. 4th Dist.	
	State of Alaska	

GENERAL INSTRUCTIONS

Before filling out this application, please read the *OME Regulations for Obtaining Federal Assistance in Financing Explorations for Mineral Reserves* (30 CFR Chap. III). To assure prompt action, your application must provide all applicable material and information specified on the back of this application form. Avoid unnecessary correspondence and delays by submitting complete and accurate information. *Please submit two copies of this application and all accompanying papers* except as otherwise noted. Place your name and address on each sheet. Each item of information, maps, and reports required as a part of this application is described on the back of this form. Identify each attached statement by the item number to which it applies. If an item does not apply to your application, show the item number on your statement and after it write "not applicable." Maps or sketches should be used to supplement narrative descriptions of the property location and boundaries in item 2, existing mine workings and geology in item 3, and the proposed exploration work in item 5. When this information is not too complex, all of it may be shown on one map or sketch. All documents and other attachments submitted as a part of this application, except those in item 3(g) which you mark to be returned, become the property of the Government and will not be returned to the applicant. Send true copies, *not originals*, of leases, contracts, and other documents which are an essential part of your business records. *File this application with the Office of Minerals Exploration, Department of the Interior, Washington 25, D. C., or with the nearest OME Field Office.*

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, and that he would not ordinarily undertake the proposed exploration under current conditions and circumstances at his sole expense.

Busty Belle Mines, Inc.

January 17, 1966
DATED

Warren A. Taylor
BY *(Signature)*

President
TITLE

Attest: JoAnn C. Burk, Sec.

A wilfully false statement or certification to any Department or Agency of the United States Government is a criminal offense. U. S. Code, Title 18, Sec. 1001.

INFORMATION REQUIRED WITH THIS APPLICATION

1. Financial Eligibility:

(a) Submit evidence of efforts made within 90 days preceding the filing of this application to obtain credit from your bank of account and at least one other banking institution or other private source of credit. Such evidence shall include true copies of correspondence which show: (1) date of loan request, (2) amount and terms requested, (3) proposed use of loan funds, and (4) the replies from credit sources. If the loan was offered under terms which you consider unreasonable, state why you consider them so.

(b) List names and addresses of affiliated, parent, or controlling companies or organizations and state extent and nature of their interest.

(c) State how you propose to furnish your share of the cost of the exploration work.

2. Applicant's Rights in Land:

(a) State your interest in the land and mineral rights, whether owner, lessee, purchaser under contract, or other. If you are not the owner, submit one true copy of the lease, contract, or other document (with address of owner) under which you control the property. Describe all liens, mortgages, or other encumbrances on the land and state book and page number and official place where recorded.

(b) State the legal description (section, township, and range; metes and bounds; patent number of claims) of the land upon which you wish to explore and all adjacent land which you own or control. Describe any part of the land or workings which should not be subject to Government royalty and liens. If the land consists of unpatented claims, state book and page number for each recorded location notice, including amended locations, and official place where recorded. State all the names by which you know the property.

(c) For all land or mineral rights encumbered or not owned, submit five copies of Lien and Subordination Agreements on MME Form 52. If the agreements cannot be obtained, state reasons and provide copies of letters of refusal.

3. Physical Description:

(a) Describe in detail and illustrate with maps or sketches all mining or exploration operations which you know have been or are being conducted upon the land. Include existing mine workings and all production facilities.

(b) State your interest, if any, in operations described in (a).

(c) State, if you know, the past and current production, supporting your statement with copies of settlement sheets, mine records, or published data if available.

(d) Describe known ore reserves, giving quantities and grades and sampling methods used. Support your statement with copies of assay certificates and assay maps if available.

(e) Describe by narrative and maps or sketches the geologic features of the property, including ore minerals, geologic formations if known, and type of deposit (vein, bedded, etc.).

(f) State your reasons for expecting to find ore, and if you have sampled the area you propose to explore, show where the samples were taken, describe sampling methods used, and provide copies of assay certificates.

(g) Send with your application at least *two* copies of all geologic or engineering reports, assay maps, or technologic information which you have, indicating whether you require their return.

4. Accessibility of Property:

(a) To aid the OME representative who may examine the property, state name and address of person who will meet him; give directions for reaching the property; and describe accessibility of property and of any mine workings.

(b) Name the shipping and supply points and state the distances to the property.

5. Exploration Work:

(a) Describe fully the proposed exploration work giving individual footages and sizes of openings *for each item of work.* Use narrative, maps, plans, and sections as necessary. Show location of the proposed work as related to geologic features such as veins, ore-bearing beds, contacts of rock formations, etc. Show also the relation of the proposed work to any existing mine workings and to *land boundaries* or to the closest identifiable corner.

(b) If an access road must be built, show the proposed location on the property map and state the length, type and construction methods proposed.

(c) If an OME contract is executed, state how soon thereafter work would be started and finished. State your anticipated average daily or monthly rate of progress for each type of work.

6. Experience:

State your operating experience and background to conduct this exploration work and also that of the person who will supervise the work.

7. Estimate of Costs:

Furnish detailed estimates of the necessary costs *for each item of the work proposed in 5(a)* under the headings listed below with a total for each heading and the estimated total cost of the work. Costs for any work to be performed by an independent contractor should be listed separately under category (a) below. Costs for any work that is not to be performed by an independent contractor should be listed under categories (b) through (g).

(a) Independent contracts. State the total cost of any proposed independent contract for all or any part of the work, and the number of units and the unit cost for each type of work, such as per foot of drilling, per foot of drifting, per hour of bulldozer operations, or per cubic yard of material moved. Cost estimates should be supported by bids from three contractors if possible. (*Note*—If none of the work is to be contracted, write "none" after this item.)

(b) Personal services. The cost of supervision, engineering and geological services, outside consultants, and labor should be itemized by numbers and classes of employees; rates of wages, salaries or fees; and periods of employment. State whether these services are available.

(c) Operating materials and supplies. List items of material and supplies giving quantity and cost of each. Include under this heading power, water, and fuel, and units of equipment and tools costing less than $50 each.

(d) Operating equipment. List items of equipment and tools costing $50 or more per unit. Give specifications and indicate how each item is to be acquired—i.e., rented, purchased or provided by the applicant. If rented or purchased, state the estimated rental or purchase price. If furnished by the applicant, state condition and present fair market value.

(e) Initial rehabilitation and repairs. Describe the type and the cost of *initial* rehabilitation or repair of existing buildings, fixtures, installations (exclusive of mine workings), and movable operating equipment now owned by the applicant which will be used in the exploration work.

(f) New buildings, fixtures, installations. Describe each building, fixed improvement, and installation to be purchased, constructed, or installed for the exploration work, stating specifications and cost including labor, materials, and supervision.

(g) Miscellaneous. Describe the type and estimate the cost of repairs and maintenance of the operating equipment listed in 7(d). Do not repeat initial repairs listed in 7(e). Show also the costs of analytical work, accounting, workmen's compensation and employees' liability insurance, payroll taxes, and other required costs that do not fall within the previous categories. [*Note*—The Government will not contribute to costs incurred before the date of the contract, or to costs of or incident to: (1) acquiring, using, or possessing land and any existing improvements, facilities, buildings, installations, and appurtenances, or the depreciation and depletion thereof; (2) general overhead, corporate management, interest and taxes (other than payroll and sales taxes); (3) insurance (other than employees' liability insurance); and (4) damages to persons or property (other than authorized repair to or replacement of equipment or other property used in the work).]

INT.-DUP. SEC., WASH., D.C.11879

INFORMATION REQUIRED WITH APPLICATION:

1-A Copies of letters to three banks and their replies thereto.

1-B No other firms or corporations have any interest in said corporation or property.

1-C It is the intention of the corporation to sell stock to raise at least $12,500.00 to $15,000.00.

2-A Taylor, Rasor & Burk are the owners of said claims together with a HD 19 Allis Chalmers,tractor, a gas shovel, compressor (which is too small to accomodate the mucker), rails, mine car, bus body for storage. There is one 25 foot shaft sunk on a vein, and forty feet of adit following a vein.
There is an unpaid balance owed to the former owner of the property, Tury Anderson in the sum of $36,000.00, of which $6,000.00 will be paid in stock with option for an additional $6,000.00 to be paid in stock (which constitutes the last payment) and the balance over a period of eight years to be paid out of production.

2-B Silvertone Lode claims No. 1,2,3 and 4, all recorded in Volume 27, pages 378,379,380 and 381.
Cottonwood Lode Claims No. 1,2,3 and 4, all recorded in Volume 29, pages 352, 353, 354,355.
Located in Sections 8, 9, 16 and 17, T 2 N, R 1 E, Fairbanks Meridian, Fourth Judicial District, State of Alaska.
These claims were originally staked in 1910 and this area was not established as a surveyed area until 1912.
This property is located on patentable ground.

2-C No lien or subordinate agreement to be had.- ?

3-A That extensive stripping operations have been carried out disclosing several veins of silver bearing galena ore. All claims would be subject to government royalty and liens.
That one 25-foot shaft has been sunk on a silver bearing galena-cerussite vein and an adit has been driven on a vein.
(attached to map are assay reports showing the outcome thereof)

3-B The interest of the applicant is that of a purchaser of the claims together with all equipment on the ground. The previous operations were carried out by Tury Anderson of Fairbanks, Alaska.

3-C The previous owner, Tury Anderson, disclosed silver and lead; supporting data is attached hereto (as referred to in 3-A)

3-DEFG Most of the information required by these sections are contained in the maps and the assay reports attached thereto. The return of the larger map would be appreciated.

4-A The property is readily accessible by good highway from Fairbanks, Alaska, to the mine which is approximately seventeen (17) miles from Fairbanks. A person going to the mine would drive up the Steese Highway northerly out of Fairbanks to Fox, Alaska, then turn left onto the Elliott Highway (commonly known as the Livengood Road) and follow it about five (5) miles to the road leading from the highway to the mine. Passenger cars can be driven into the area being explored.

The persons to contact regarding examination by OME personnel are: John C. Rasor, telephone : 456-7101 or Warren A. Taylor, day phone 452-3170, and after 5:00 P.M. 452-2608.

4-B If shipped by rail the ore would be trucked to Fairbanks Freight Yards of the Alaska Railroad a distance of Seventeen (17) miles.

5-A Present plans call for driving an adit (standard 5 X 7 drift and cross-cut) running 300 feet ,more or less, to cross cut several vei veins which have surface outcroppings. Then at this point to either drift approximately 200 feet at right angles (100 foot each way) or to drift at an angle 100 foot each way; this to be detetmined at the completion of the 300 foot drift. In order to determine this, samples will be taken and determination made from them at which angle to drift each way. The map enclosed shows the proposal at right angles. There is a 25 foot shaft which is sunk on a vein. It is our proposal to drift in such manner as to utilize this shaft for ventilation purposes.

Descriptive map of property with proposed exploration work indicated thereon is sent herewith.

5-B Roadwork of approximately 1/4 mile must be completed to the site of the proposed work. Plans are to doze the road and do any necessary blasting (if any). There seems to be no need to compact or any work of that nature.

5-C If OME loan approvdd and executed, it is intended that exploration work commence the latter part of March or the 1st of April, 1966. It is anticipated that progress be made at the rate of five (5) feet daily in driving the adit and cross-cut.

6. The former owner of the property, Tury F. Anderson, an experienced miner, and who has performed all of the exploration work to date will be in charge of the exploration work. [to date, will be in charge of the exploration work.] John C. Rasor, an experience miner, will assist in the exploration work. These persons are well

6 qualified inoperation of equipment of all kinds and repairing and maintenance of the same.
Warren A. Taylor, has been interested in mining for many years, he is a director of Maclaren River Copper Company and of Monte Cristo Mining Co. He is the president of the corporation, Busty Belle Mines, Inc., and a long time resident of Alaska.

7-A

No independent contracts.

7-BCD & G

Every Day Costs of Supplies:

Dynamite 8# per shot	$3.68
Caps 15 - $.35 each	$5.25
Drill Bits (est)	2.00
Timber for collar set and each set thereafter	40.04
Spikes 1#	.25
Wedges 12 - $.10 each	1.20
Fuel, oil etc. for compressor	12.00
1 doz picks - 57.00	
1 doz shovels 48.00	
$105 ÷ 500 x 5/day	1.05
Pipe, couplings, & Globe valves for compressor	2.80
Hats (safety equip)	1.50
Transportation	8.25
Oil & Gas	$77.18 ÷ 5 ÷ Cost per foot -$15.44

Separate $8.298/ft.

5%

?

separate

(five foot advance per day)

Labor - (Seven Day week)
Supervisor - $6.00 per hour
time and one half on Sat.
Double time on Sunday
Averages out to $7.~~47~~ 29 per hour

Miners (2 needed) $5.57 per hour
time and one half on Sat.
double time on Sunday
Averages out to $6.7~~4~~ 6 per hour

Based on 5 foot advance per day =$167.60 ÷ 5 = Cost per foot $33.52

Every Day Costof supplies etc.	$15.44	
Labor	33.52	
Accounting 3,35 / 1675.00	3.35	
Insurance (Workman's Comp)	4.22	
Payroll (Employee Matching)	+ 2.11	
	$58.64	
Contingency	5.87	
	$64.51 per foot	
	64.51 X 500	$32,255.00

Cost of Equipment to be purchased under loan auspices:

Mucker	$9,800.00	
Drill	1,787.00	
Compressor	3,500.00	
Drill Steel & couplings	347.00	
Hose for compressor	616.00	
Freight for above to Fbks.	800.00	
Freight to Mine	751.00	
	17,601.00	$17,601.00
		$49,856.00
		1,000.00
		$50,856.00

mob.

There are no Mining Engineers available on a cost free basis - in the event one is needed the amonnt of $1,000.00 is added on the end to defray the cost of hiring one.

Road Work	825.00
	$51,681.00

State of Alaska
Department of Natural Resources

Division of Mines and Minerals

Form M-1-8-62-3M

Assay Office Fairbanks

Date July 28 1965

REPORT OF ASSAY

On samples received from Tony Anderson

Address Box 1498, Fairbanks, Alaska

Assay No.	Sample Marked	OUNCES PER TON		Value per Ton	Percentage of
		GOLD	SILVER		
29915	Adit Qtz (rec'd 7/23)	0.06	4.84	8.39	Lead
29840	Galena (rec'd 7/14)	~~tr~~ 0.10	145.35	192.45	? ?
	duplicate	0.08	146.12	192.75	

Galena From Adit
Elevation 1695'

Donald Stern
Assayer.

State of Alaska
Department of Natural Resources

Division of Mines and Minerals

Form M-1-8-62-3M

Assay Office Fairbanks

Date Aug 19, 1961

REPORT OF ASSAY

On samples received from Tury Anderson

Address Box 1498, Fairbanks, Alaska

Assay No.	Sample Marked	OUNCES PER TON GOLD	OUNCES PER TON SILVER	Value per Ton	Percentage of
	Elevation 1731' length				
28771	Flume Shaft #1	0.40	80.90	118.36	
28772	Flume Shaft #2	0.42	44.14	71.64	- Same ore as #29089
28773	Flume Shaft #3	0.10	0.98	4.76	
28810	Flume Shaft #4	0.24	14.76	27.44	
28811	Flume Shaft #5	0.36	73.16	106.97	
28812	Flume Shaft #6	1.62	5.98	64.41	Same ore as #29090-91

Samples sent to Anchorage For Lead Assay -?

Donald R. Stein
Assayer.

January 5, 1966

Alaska State Bank
Fairbanks, Alaska

Re: Loan to Busty Belle Mines, Inc.

Dear Sirs:

The corporation above named has come into possession of certain lode claims lying east of Livengood Road near Gilmore Done, approximately 18 miles from Fairbanks, Alaska.

Our corporation has stripped considerable of the surface growth from the claims and have disclosed a number of veins of silver bearing galena ore with a very high content of silver.

A drift on one of these veins has opened up high grade ore with a silver content of 160 oz. per ton. The vein is imbedded in quartz in both the hanging wall and foot. This quartz assays about $60.00 per ton.

We find that to develop the property we will need some added capitalization of not over $75,000.00

Our Board of Directors has authorized the undersigned to make an application of your institution for a loan of $75,000.00. We feel that we have an excellent property with a good chance of becoming a profitable producer of silver, lead and gold.

Alaska State Bank

January 5, 1966

Re; Loan

The funds will be utilized in driving a drift from North to South approximately 300 feet to bisect a number of veins which we have uncovered on the surface. It will also be necessary to purchase a Mucking Machine and a large compressor, and also a drill. We believe that with the expenditure of not over $75,000.00 in exploration work, we can make this property a profitable producer.

We will be glad to talk this over with you at your earliest convenience.

Sincerely yours,
BUSTY BELLE MINES, INC.

By: Warren A. Taylor, Pres.

WAT:jb

ALASKA STATE BANK

OFFICES IN

ANCHORAGE • FAIRBANKS • KENAI

KENNETH G. THOMPSON
ASSISTANT MANAGER
P. O. BOX 769
FAIRBANKS, ALASKA

January 14th, 1966

Busty Belle Mines, Inc.
212 Nerland Building
543 Third Avenue
Fairbanks, Alaska 99701

RE: Application for loan.

ATTENTION: Warren A. Taylor, President

Dear Mr. Taylor,

We appreciate the opportunity to consider your loan request for $75,000.00 to be used to develop certain lode claims held by Busty Belle Mines, Incorporated.

From the information we have it does not appear that our bank would be willing to extend this type of risk capital and therefore we must inform you the loan request has been declined.

Very truly yours,

K. G. Thompson

K. G. Thompson
Assistant Vice President

KGT: pkf

January 5, 1966

First National Bank of Fairbanks
Cushman Street
Fairbanks, Alaska

Re: Loan to Busty Belle Mines, Inc.

Dear Sirs:

The corporation above named has come into possession of certain lode claims lying east of Livengood Road near Gilmore Dome, approximately 18 miles from Fairbanks, Alaska.

Our corporation has stripped considerable of the surface growth from the claims and have disclosed a number of veins of silver bearing galena ore with a very high content of silver.

A drift on one of these veins has opened up hight grade ore with a silver content of 160 oz. per ton. The vein is imbedded in quartz in both the hanging wall and foot. This quartz assays about $60.00 per ton.

We find that to develop the property we will need some added capitalization of not over $75,000.00.

Our Board of Directors has authorized the undersigned to make an application of your institution for a loan of $75,000.00. We feel that we have an excellent property with a good chance of becoming a profitable producer of silver, lead, and gold.

First National Bank of Fairbanks

Re: Loan

The funds will be utilized in driving a drift from North to South approximately 300 feet to bisect a number of veins which we have uncovered on the surface. It will also be necessary to purcahse a mucking machine, a large compressor and also a drill. We believe that with the expenditure of not over $75,000.00 in exploration work, we can make this property a profitable producer.

We will be glad to talk this over with you at your earliest convenience.

SINCERELY YOURS,
BUSTY BELLE MINES, INC.

By: Warren A. Taylor, Pres.

WAT:jb

FIRST NATIONAL BANK
OF FAIRBANKS

FAIRBANKS, ALASKA

January 13, 1966

Busty Belle Mines, Inc.
212 Nerland Building
543 Third Avenue
Fairbanks, Alaska 99701

Attention: Warren A. Taylor, President

Re: Regarding Loan Application of $75,000.00

Dear Sir:

In reply to your application of January 5 for a loan of $75,000.00 to be used for development and exploration work on your lode claims near Gilmore Dome, our loan committee considered your application.

We are sorry to inform you that our bank will not enter into a loan of this nature and for this purpose I wish to thank you for your consideration on our behalf, and if we can be of service to you in any other area of finance we hope you will give us your consideration.

Very truly yours,

R. W. Groff

R. W. Groff, Vice President

RWG:jb

January 5, 1966

Alaska National Bank of Fairbanks
Northward Building
Fairbanks, Alaska

Re: Loan to Busty Belle
Mines, Inc.

Dear Sirs:

The corporation above named has come into possession of certain lode claims lying east of Livengood Road near Gilmore Dome, approximately 18 miles from Fairbanks, Alaska.

Our corporation has stripped considerable of the surface growth from the claims and have disclosed a number of veins of silver bearing galena ore with a very high silver content.

A drift on one of these veins has opened up high grade ore with a silver content of 160 oz. per ton. The vein is imbedded in quartz in both the hanging wall and foot. This quartz assays about $60.00 per ton.

We find that to develop the property we will need some added capitalization of not over $75,000.00

Our Board of Directors has authorized the undersigned to make an application of your institution for a loan of $75,000.00. We feel that we have an excellent property with a good chance of becoming a profitable producer of silver, lead and gold.

January 5, 1966

Alaska National Bank

Re; Loan

The funds will be utilized in driving a drift from North to South approximately 300 feet to bisect a number of veins which we have uncovered on the surface. It will also be necessary to purchase a mucking machine and a large compressor, and also a drill. We believe that with the expenditure of not over $75,000.00 in exploration work, we can made this property a profitable producer.

We will be glad to talk this over with you at your earliest convenience.

Sincerely yours,
BUSTY BELLE MINES, INC.

By: Warren A. Taylor, Pres.

WAT:jb

ALASKA NATIONAL BANK
of Fairbanks
NORTHWARD BUILDING "The Friendly Bank" FAIRBANKS, ALASKA - 99701

January 12, 1966

Busty Belle Mines, Inc.
212 Nerland Building
543 Third Avenue
Fairbanks, Alaska

ATTENTION: Warren A. Taylor, President

Gentlemen:

We have carefully considered your firm's application for a loan in the amount of $75,000.00, as contained in your letter of January 5, 1966.

We regret to inform you that at this time we would be unable to assist you inasmuch as this loan does not conform with our present bank requirements. We are very well aware of the importance of the development of profitable mines in this area, however, the element of risk involved forbids us making such a loan.

Very truly yours,

W. M. Cartwright
Senior Vice President

WMC:js

PLEASE SEND ALL CORRESPONDENCE TO ALASKA VIA AIR MAIL

OFFICIAL COPY
O. M. E.
RECEIVED
JAN 24 1966
INITIALS | CODE

ASSIGNMENT OF CONTRACT

KNOW ALL MEN BY THESE PRESENTS:

That we, Warren A. Taylor, John C. Rason, and JoAnn C. Burk, all of Fairbanks, Alaska, for and in consideration of One ($1.00) Dollar to them in hand paid by Busty Belle Mines, Inc., hereby, sell, assign, and set over to said Busty Belle Mines, Inc., all our right, title and interest, in and to that certain Contract to Sell Mining Claims and Mining Equipment bearing date of the 24th day of November, 1965 covering claims described as follows:

Silvertone group, consisting of four lode claims numbered 1, 2, 3, and 4, and

Cottonwood Group, consisting of four lode claims numbered 1, 2, 3, and 4,

the location of which is recorded in the Recording office for the Fairbanks Recording District, State Office Building, Fairbanks, Alaska.

and we hereby represent that there is now remaining unpaid on said contract the sum of $48,000.00 and that there are no unpaid sums past due.

It is further agreed by and between the parties that the said company shall assume the responsibility of the fulfillment of the terms as set out in the aforementioned contract, a copyoof which is attached hereto and marked "A", and the said company shall hold the assignors harmless therefrom.

To effectuate the transfer of the assignors interest, they shall execute a quit-claim deed to the assignee herein.

That the Assignee shall not reassign this contract

LAW OFFICE
OF
WARREN A. TAYLOR
ROOM 212
NERLAND BLDG.
FAIRBANKS, ALASKA
PHONE 452-3170

without the express written permission of assignees and the original Seller.

In witness whereof, we have hereunto set our hands this 14th day of January, 1966.

Warren A. Taylor

John C. Rasor

JoAnn C. Burk

ASSIGNORS

STATE OF ALASKA)
) ss.
FOURTH JUDICIAL DISTRICT)

THIS IS TO CERTIFY that before me, the undersigned, a Notary Public in and for Alaska, duly commissioned and sworn, personally appeared Warren A. Taylor, John C. Rasor, and JoAnn C. Burk, known to me and to me known to be the identical individuals named in and who executed the within and foregoing Assignment of Contract and they acknowledged to me that they signed the same freely and voluntarily for the uses and purposes therein mentioned.

WITNESS my hand and official seal this 14th day of January, 1966.

Carol C. Hardy
Notary Public in and for Alaska
My commission expires: _____

ACCEPTED:
BUSTY BELLE MINES, INC.

BY Warren A. Taylor
Warren A. Taylor, President
ATTESTED TO:

By JoAnn C. Burk
JoAnn C. Burk, Secretary

LAW OFFICE
OF
WARREN A. TAYLOR
ROOM 212
NERLAND BLDG.
FAIRBANKS, ALASKA
PHONE 452-3170

CONTRACT TO SELL MINING CLAIMS AND MINING EQUIPMENT

THIS AGREEMENT, made and entered into this 29th day of November, 1965, by and between, TURY F. ANDERSON, of Fairbanks, Alaska, hereinafter known as Seller, and JOHN C. BASOR, JoANN C. BURK, and WARREN A. TAYLOR, all of Fairbanks, Alaska, and hereinafter known as Buyers.

W I T N E S S E T H:

That for and in consideration of the sum of SIXTY THOUSAND ($60,000.00) Dollars, to be paid in the amounts and manner hereinafter set forth, the Seller, his heirs and assigns, hereby covenants and agrees to transfer to Buyers, their heirs and assigns, a good, clear and equitable title to certain unpatented lode mining claims described as follows:

Silvertone group, consisting of four lode claims numbered 1, 2, 3 and 4, and

Cottonwood group, consisting of four lode claims numbered 1, 2, 3 and 4;

the location of which is recorded in the Recording Office of the Fairbanks Recording District, State Building, Fairbanks, Alaska, together with the following described personal property, to-wit:

1 - H.D. - 19 Allis-Chalmers Tractor with Dozer, Serial No. HD-19-H 1557;

1 - Bay City Power Shovel, Serial No. 1573;

1 - 125 Cubic Foot Sullivan Air Compressor, Serial No. 126646;

with miscellaneous tractor and shovel parts, bus body, mine cars, rails, blasting powder, caps, fuse and various hand tools situate on the above described mining claims, all located in the Fairbanks Recording District, and the location of which are recorded in the office of the District Recorder for the Fairbanks Recording District, Fourth Judicial Division, State of Alaska.

The terms of the payment shall be as follows: The sum of TWELVE THOUSAND ($12,000.00) Dollars, cash on the execution of this agreement, and deposit of deeds and/or bills of sale in escrow with the Alaska State Bank Bank of Fairbanks, Alaska.

The balance to be paid in six equal payments of Six Thousand ($6,000.00) Dollars, the first of said payments to be made on or about the 1st day of March, 1967; and thereafter, on or about the 1st day of March of each subsequent year, until the sum of THIRTY SIX THOUSAND ($36,000.00) Dollars, has been paid in full.

The balance of TWELVE THOUSAND ($12,000.00) Dollars, shall be evidenced by the issuance of stock to the said Seller, his heirs or assigns, in the corporation to be formed by the Buyers herein. Six Thousand ($6,000.00) of which stock shall be conveyed to Seller, his heirs or assigns, on or before March 1, 1966, and the final balance of stock on or before March 1, 1972, which may be made in stock or cash at the option of the Buyers.

It is further understood and agreed that the Buyers may

incorporate a corporation under the corporate laws of the State of Alaska, and that in that instance, the Seller, his heirs or assigns, shall receive stock, at par value thereof, in said corporation for the interest he elects to maintain in the mining claims and equipment, but not to exceed stock in excess of $12,000.00 in value, as hereinbefore provided.

In the event the Seller, his heirs or assigns, should desire to sell his stock inthe corporation to be formed, the Buyers herein shall have the first option of purchasing said stock from Seller, his heirs or assigns.

It is understood and agreed that the Buyers will prosecute the development of said mining property, and will mine and ship such ore as may be abstracted from said mine; and will perform the annual assessment work required by law and will file and record the necessary affidavits of said assessment work in the office of the State Recorder at Fairbanks, Alaska, and shall pay all taxes levied against said property.

It is further agreed that the Buyers may enter into negotiation with the U.S. Office of Mineral Exploration for financial assistance in the development and exploration of said mining claims hereinbefore described, and, if necessary, Seller will execute all necessary documents to secure said financial assistance from the said Federal Office.

It is further understood and agreed, that in the event of the incorporation of a company by the Buyers, that the Buyers interest in this contract and in the said mining property and equipment, may be assigned to the said corporation so formed.

It is further understood and agreed, that the Seller, his heirs or assigns, in addition to the cash and stock hereinbefore mentioned, shall receive a royalty payment equal to five (5%) percent of the net smelter returns, and of the recovery of gold, silver or other precious metals by milling operations at or adjacent to the mining operation carried out on the mining claims hereinbefore described. This royalty agreement payment shall be an obligation of the successors, heirs and assigns of the Buyers.

That the Seller will cooperate with the Buyers, or their assignee or assignees, in making the operation of the mining, milling or smelting, a profitable venture.

IN WITNESS WHEREOF, the parties have hereunto set their hands, this 29th day of November, 1965.

Tury F. Anderson, Seller

John C. Rasor

JoAnn C. Burk

Warren A. Taylor, Lawyers

STATE OF ALASKA)
) ss.
FOURTH JUDICIAL DISTRICT)

THIS IS TO CERTIFY that before me, the undersigned, a Notary Public in and for the State of Alaska, duly commissioned and sworn, personally appeared TURY F. ANDERSON, to me known and known to me to be the identical individual mentioned in and who executed the within and foregoing Contract to Sell Mining Claims and

Mining Equipment; and he acknowledged to me that he signed the same freely and voluntarily, for the purposes and uses therein contained.

WITNESS, my hand and official seal this 29th day of November, 1965.

Carol C Pinsky
Notary Public in and for Alaska.
My commission expires: 12/12/66

STATE OF ALASKA)
) ss.
FOURTH JUDICIAL DISTRICT)

THIS IS TO CERTIFY that before me, the undersigned, a Notary Public in and for the State of Alaska, duly commissioned and sworn, personally appeared JOHN C. RASOR, JoANN C. BURK, and WARREN A. TAYLOR, to me known and known to me to be the identical individuals mentioned in and who executed the within and foregoing Contract to Sell Mining Claims and Mining Equipment, and they each acknowledged to me that they signed the same freely and voluntarily, for the uses and purposes therein mentioned.

WITNESS, my hand and official seal this 29th day of November, 1965.

Carol C Pinsky
Notary Public in and for Alaska.
My commission expires: 12/12/66

U.S.Geological Survey
Office of Minerals Exploration
OME-6534

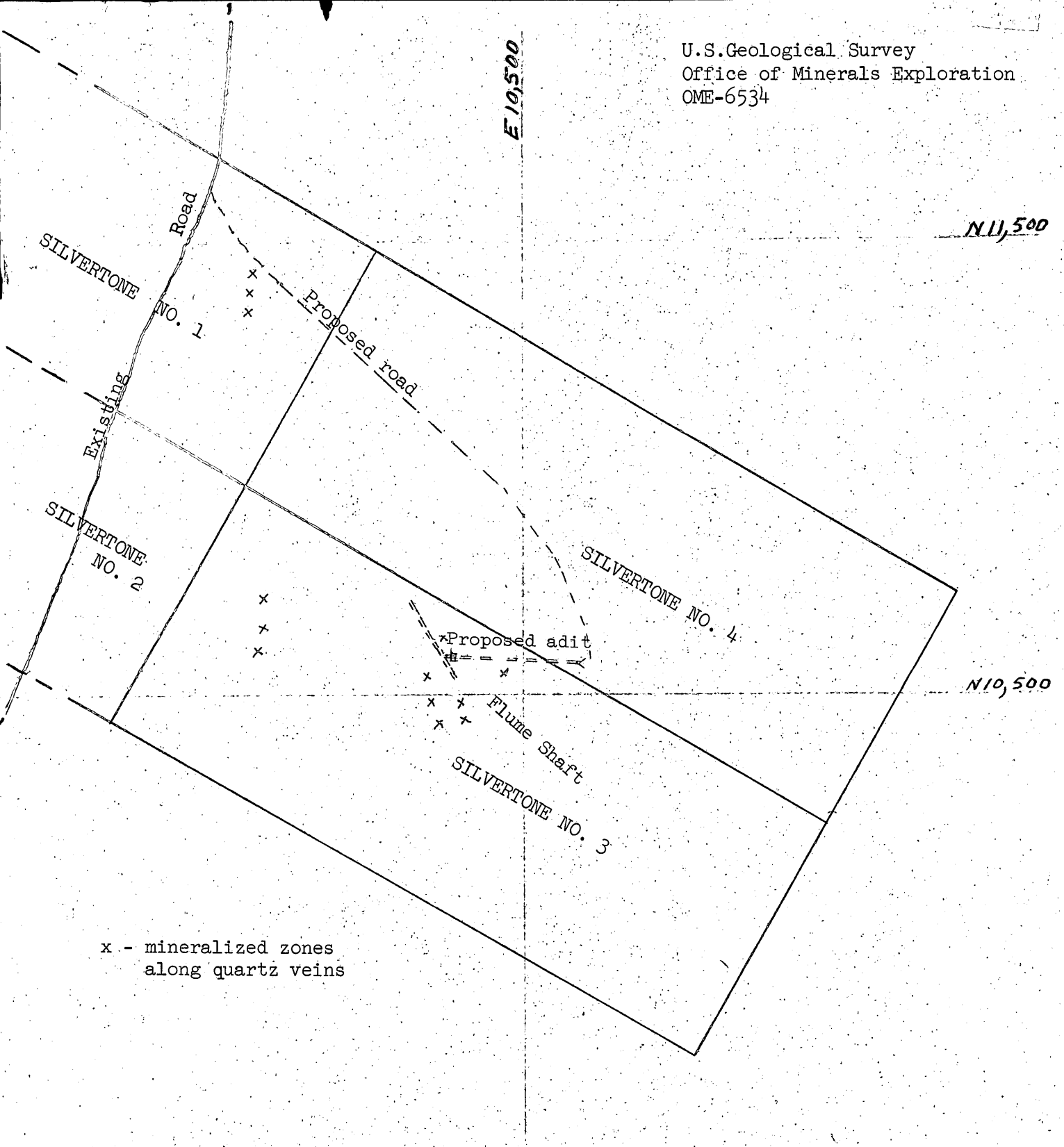


Fig. 2 Proposed Exploration
SILVERTONE LODE CLAIMS
Busty Belle Mines, Inc.
Fairbanks, Alaska

Scale 1" = 300'

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

OFFICE OF MINERALS EXPLORATION
OME-6534
Busty Belle Mines, Inc.

ROAD CLASSIFICATION

ALL WEATHER ROADS		DRY WEATHER ROADS	
Hard-surface	None	Improved dirt	
Other		Unimproved dirt	

Trails

U. S. Route State Route

(FAIRBANKS D-1)

Fig.1- SILVERTONE AND COTTONWOOD GROUPS OF CLAIMS

FAIRBANKS RECORDING DISTRICT
ALASKA

Scale 1:63,360

LIVENGOOD (A-2), ALASKA
N6500—W14730/15X30

1954

5 dew

NAME (OR TITLE) OF ADDRESSEE, AGENCY, ORGANIZATIONAL UNIT, ADDRESS, AND ROOM		NAME (OR TITLE) OF ADDRESSEE, AGENCY, ORGANIZATIONAL UNIT, ADDRESS, AND ROOM	
	STOP		STOP
	STOP		STOP
	STOP		STOP
	STOP		STOP
	STOP		STOP
	STOP		STOP
	STOP		STOP
	STOP		STOP
	STOP		STOP
	STOP		STOP

DAB 4041
OFFICE OF ADMIN
ADMIN SER DIV
OVERSEAS EXHIB PROP STFF
FPMR-SUB CH A-H
1 EA

Use other side first

☆ U. S. GOVERNMENT PRINTING OFFICE:1965—0-781-547

Standard Form No. 65
November 1961
General Services Administration
FPMR (41 CFR) 101-11.6

U.S. Government Messenger Envelope

INSTRUCTIONS FOR USE

1. Void Previously Used Block
2. Identify Agency of Addressee
3. Write Clearly
4. Send Surplus Envelopes to Supply Room for Reissue

NAME (OR TITLE) OF ADDRESSEE, AGENCY, ORGANIZATIONAL UNIT, ADDRESS, AND ROOM		NAME (OR TITLE) OF ADDRESSEE, AGENCY, ORGANIZATIONAL UNIT, ADDRESS, AND ROOM	
	STOP	Kirkemo 4450 Interior	STOP
	STOP		STOP
Mr. Lewis Room 4460	STOP		STOP
Mr. Harry Park Rm. 1067	STOP		STOP
R.	STOP		STOP
Mr. Metals + Minerals Rm 2[illegible]	STOP		STOP
Mr. Charles W. Monroe Chief Division of Minerals	STOP 43		STOP
Bureau of Mines U.S. Dept. of the Interior	STOP		STOP
Frank Johnson Rm. 4460	STOP		STOP
Mr. Kirkegaard Room 4240 G.S.A. Bldg.	STOP		STOP

Use other side

Use STOP only when messenger service between Government buildings in Washington, D.C., is required or wherever a STOP system is used. Your mail room has STOP information.

65-107

cc: Kirkgaard
Kirkemo

April 7, 1969

George Gryc, Chief
Alaskan Geology Branch, Menlo Park

OME-6534
(Closed)

Robert M. Chapman
Alaskan Geology Branch, College

Proposed work on Busty Belle property, Fairbanks district

Jim Williams suggested that I make appropriate distribution of the enclosed copy of his memo, which is self-explanatory. I will keep you informed of the outcome on this. The proposed work by Don Stein came to my attention when Don asked me for copies of maps of some of my O.M.E. work on the Busty Belle, and I told him I was not able to release these maps and other unpublished information.

As you can see from Williams' memo, the problem of Stein's position in this work is of some concern to Jim and others as a matter of policy. The operators of the Busty Belle and associated properties seem determined to continue with development, and will do so regardless of the decision on Stein's participation. Thus, it would be well for us to discuss plans for open-filing a slightly revised version of my O.M.E. report to tie in with other information that I have and that Forbes has too. My sample data from the Busty Belle adit is included in the paper by myself and Rob Foster on the Fairbanks district, but the detailed map is not.

As Bob Forbes told you last Friday, there are other similar problems involving data for the Fairbanks district project. I also have considerable sample data from the Steamboat Creek property that I mapped with Don Grybeck last summer, and the work of one of Forbes' graduate students in part overlaps this. I think it would be well for us to open-file this, possibly with the Busty Belle material as the geological problems are closely related. If you still plan to be up here later in the month, this will be a good time to discuss these matters.

Enclosure

cc:
Director's RF
Division

Kirk

I did not get a copy of Williams' memo.

You better keep your eye on this. Sounds like Williams may want some confidential ONE info.

Thor

File in Busty Belle docket if it is ground yet.

Kirk

5-2-69

KIRK

HERE ARE 2 COPIES OF THE MEMO WE TALKED ABOUT. YOU CAN GIVE ONE TO THOR IF HE WANTS IT —.

Hal

File – Busty Belle HK

65534

OPTIONAL FORM NO. 10
MAY 1962 EDITION
GSA GEN. REG. NO. 27

5010-107

UNITED STATES GOVERNMENT

Memorandum

: George Gryc, Chief
Alaskan Geology Branch, Menlo Park

DATE: April 7, 1969

FROM : Robert M. Chapman
Alaskan Geology Branch, College

SUBJECT: Proposed work on Busty Belle property, Fairbanks district

Jim Williams suggested that I make appropriate distribution of the enclosed copy of his memo, which is self-explanatory. I will keep you informed of the outcome on this. The proposed work by Don Stein came to my attention when Don asked me for copies of maps of some of my O.M.E. work on the Busty Belle, and I told him I was not able to release these maps and other unpublished information.

As you can see from Williams' memo, the problem of Stein's position in this work is of some concern to Jim and others as a matter of policy. The operators of the Busty Belle and associated properties seem determined to continue with development, and will do so regardless of the decision on Stein's participation. Thus, it would be well for us to discuss plans for open-filing a slightly revised version of my O.M.E. report to tie in with other information that I have and that Forbes has too. My sample data from the Busty Belle adit is included in the paper by myself and Rob Foster on the Fairbanks district, but the detailed map is not.

As Bob Forbes told you last Friday, there are other similar problems involving data for the Fairbanks district project. I also have considerable sample data from the Steamboat Creek property that I mapped with Don Grybeck last summer, and the work of one of Forbes' graduate students in part overlaps this. I think it would be well for us to open-file this, possibly with the Busty Belle material as the geological problems are closely related. If you still plan to be up here later in the month, this will be a good time to discuss these matters.

Enclosure

Bob

OFFICIAL COPY
O. M. E.
RECEIVED
MAY 5 1969

INITIALS	CODE
HR	120

RECEIVED
APR 10 1969
ALASKAN GEOL. BR.
MENLO PARK

Buy U.S. Savings Bonds Regularly on the Payroll Savings Plan

DIVISION OF MINES AND GEOLOGY

Dale Wellington
Deputy Commissioner
Department of Natural Resources

March 24, 1969

From James A. Williams, Director
Division of Mines and Geology

Request for policy decision or legal opinion on outside consulting

Don Stein, assayer in this Division, informs me he has agreed to work on a private basis for the Busty Belle people on their property, assisting and advising on their exploration work and milling, though he has signed no contract with them. His work will consist of geological investigation of the shear zone which seems to carry the mineralization, sampling, assaying, assisting with getting optimum recovery from the mill, and giving general advice. His work for the company will be entirely outside of office hours and away from the Division premises. University and company assaying and mill flow sheet testing equipment will be used. In no way will Division time or facilities be used.

The only work on or for the Busty Belle property done to date by the Division was a brief examination of the adit and a resulting short report last year by Asher and Vance, and of course, consultations here in the offices and assaying of samples from time to time. The Division has no plans for further work in connection with the Busty Belle at this time, although we are responsible for safety conditions under AS 27.05.050.

The only law of which I am aware that may bear on this situation is a sentence in AS 27.05.020 which says, "In conducting the inquiries and investigations authorized by Secs. 10-70 of this chapter, no officer or employee of the department may have any personal or private interest in a mine or the products of a mine under investigation, or accept employment from a private property for services in the examination of private mineral property."

It is clear that a Division employee can have no financial interest in a property which the Division may be doing work on or for, and Stein says he will not have any such interest, even though we are not doing any such work.

Stein does maintain, however, that since the Division is not doing work on or for Busty Belle, he is free to work for them as a consultant under the conditions outlined in the first paragraph of this memo. He feels that private employment as mentioned in the third part of the quoted sentence is qualified the same as holding a private interest is qualified in the second part.

I am not sure, myself, what bearing the first two parts of the quoted sentence have on the third, that is, whether the pertinent words "....no officer or employee....may....accept employment ....in the examination of private mineral property." stand by themselves for <u>any</u> property, or whether this portion of the sentence applies only to properties under investigation by the Division.

Personally, I prefer that no employee engage in private mineral consulting. It would set a precedent that other staff members might want to follow. It would then be inevitable that sooner or later there would be an accusation from somewhere of conflict of interest or misuse of State funds. However, in this particular case, and for future guidance, I am appealing to you for either a policy decision from Departmental level, or a legal interpretation from the Department of Law.

JAW/mh cc: Don Stein, Paul Anderson

File in
OME-6534 4/23
Busty Belle

Hal –

Old miners, like old soldiers, never die – they just find new money. Hope they aren't figuring on many days of mill-feed from the adit.

Bob Chapman

OFFICIAL
COPY
O. M. E.
RECEIVED
APR 30 1969
INITIALS CODE
BO
bal 120M
HK 120
WE 120 E
220

Busty Belle Mine to Open About May 1

Operation of the Busty Belle mine and concentrating plant is expected to start about May 1, Warren A. Taylor, president of the company has announced.

Taylor said adequate financing which will assure steady production, has been secured.

The mine is located at the head of the Fox Gulch, about five miles beyond Fox store on the Livengood Highway. Several large ore bodies have been uncovered by surface exploration and by a 500-foot adit driven into the mountain. The ore has excellent values in gold, silver, zinc and lead, Taylor said.

With these metals increasing in price, Taylor said the future looks good. The company acquired seven and one-half acres of land at Fox and has complete milling equipment to crush, pulverize, and concentrate the metallic content of the ore. The mill has a 50-ton per day capacity and the company has installed a 50-ton ball mill, two crushers, classifier, mineral jibs and Wilfley concentrating table.

Part of the mill crew already is at the site and mining operations will get under way shortly after the mill is tuned up.

At a recent meeting of stockholders, the number of directors was increased from five to seven. They are Taylor, Melvin Anderson, Bill Ackiss, Patricia Krebs, Carol C. Snyder, Victor Rohrbaugh and Alice Mullally.

Taylor was elected president, Anderson, vice president and Carold Snyder, secretary-treasurer.

UNITED STATES
DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY
Office of Minerals Exploration
345 Middlefield Road
Menlo Park, California 94025

July 24, 1968

OFFICIAL COPY
O. M. E.
RECEIVED
JUL 26 1968

INITIALS	CODE
	130
	120 M
	110
	120 S
	220

FINAL REPORT

Memorandum

To: Chief, Office of Minerals Exploration
Washington, D. C.

From: Field Officer
Region II

Subject: OME-6534 (Silver-Gold)
Busty Belle Mines, Inc.
Silvertone and Cottonwood Groups of Claims
Fairbanks Recording District, Alaska
Contract No. 2221

Enclosed is a summary-type Final Field Report on the subject contract.

H. K. Stager

Enclosure

FINAL FIELD REPORT - OME EXPLORATION PROJECT

By H. K. Stager, Field Officer, Region II

July 24, 1968

1. OME-6534 (Silver-Gold)
Busty Belle Mines, Inc.
Silvertone and Cottonwood Groups of Claims
Fairbanks Recording District, Alaska
Contract No. 2221

Operator: Busty Belle Mines, Inc.
212 Nerland Building
Fairbanks, Alaska 99701

Property: Consists of eight (8) unpatented lode mining claims in secs. 8, 9, 16, and 17, T. 2 N., R. 1 E., Fairbanks Meridian, Pedro Dome area, Fairbanks Mining District, Fourth Judicial District, Alaska. A map showing the area of the property was attached to the contract.

Ownership: The Operator was in possession of the property under terms of a Quitclaim Deed executed March 21, 1966, and also under the terms of an Assignment of Contract executed January 14, 1966. Both of these instruments were executed by Warren A. Taylor, John C. Rasor, and JoAnn C. Burk, who were the buyers of the eight claims under the terms of a Contract to Sell Mining Claims and Mining Equipment executed November 29, 1965, by the owner of the claims Tury F. Anderson. Copies of these instruments were contained in the docket of the contract.

A Lien and Performance Agreements executed February 24, 1966, by Tury F. Anderson, 820 Andrew, Box 1498, Fairbanks, Alaska, covering the eight claims was attached to the contract.

2. Purpose of Project: The purpose of the project was to explore by a crosscut adit and by drifting for silver and gold-bearing ore bodies in and along three or more quartz veins in granitic rock or in Birch Creek schist near its contact with the granitic rock.

3. Contract: Dated June 23, 1966, for a term of 12 months.
Original contract amount - $34,200.00
Government participation - 62½ percent, $21,375.00
There were no amendments to the contract.

4. Project Work: Started - August 1, 1966. Completed - April 30, 1967.

Cost items	Authorized			Completed	
	Units	Rate	Amount	Units	Amount
Mobilization of equipment	1	$1,550/job	$1,550.00	1	$ 1,550.00
Demobilization of equipment	1	$750/job	750.00	0	0
Road construction and portal site preparation	1	$830/job	830.00	1	830.00
Crosscutting and drifting	500	$51/ft	25,500.00	500	25,500.00
Timbering	500	$8.30/ft	4,150.00	85	705.50
Outside Consultant	10	$75/day	750.00	0	0
Per diem for Consultant	10	$16/day	160.00	0	0
Accounting	4	$50/mo	200.00	4	200.00
Assaying for gold and silver	60	$3/ea	180.00	0	0
Assaying for lead	60	$2/ea	120.00	0	0
Sample sacks	100	10¢/ea	10.00	0	0
Total amounts			$34,200.00		$28,785.50
Government participation at 62½ percent			21,375.00		17,990.96
Paid to Operator					$17,990.96

The Government retained no equity in any equipment or supplies used.

Effectiveness of the work - The most favorable target areas were adequately explored.

Efficiency of Operation - The work was accomplished in a slow and inefficient manner.

5. Reports:

Operator's Final Report - An inadequate Final Report was received on January 22, 1968. The Operator was requested to furnish additional data and furnished this on February 7, 1968.

Cost Review - A Report of Review was issued by the Office of Survey and Review in June 1967.

Final Audit - A final audit was not requested inasmuch as no additional vouchers were submitted or paid after the Report of Review. The final voucher was paid on May 29, 1967.

Royalty Review - There was no ore produced during the period of the contract and no royalty was due the Government.

6. Project Results:

Discoveries - There were no significant discoveries of gold- or silver-bearing material. The results of the exploration, including a map and assay data, are described in a report by Robert M. Chapman, Alaskan Branch, dated May 24, 1968. No ore reserves were discovered or estimated as a result of the work. Future production is not feasible and future development and exploration are not warranted.

Certification - The OME exploration did not result in a discovery of minable ore and certification was not recommended. The Operator and Owner were notified on June 20, 1968, that the Government retains no claim or lien against the property.

Production - There was no ore mined or stockpiled during the period of the contract.

Royalties - There was no ore sold and no royalties were paid or due the Government.

7. Geologic Summary: - The silver-gold-lead-zinc-antimony ore bodies that have been mined in the Pedro Dome area occurred as small shoots in veins localized along faults in granitic rocks. Only a few tons of ore have been produced in the district.

MME Form 7
(2/63)

OFFICIAL FILE COPY

Date	Surname	Code
6/19/68	RM Smith	120
6/19/68	Kirbamo	120
		110
		220

JUN 20 1968

AIRMAIL

Mr. Tury F. Anderson
820 Andrew
P.O. Box 1498
Fairbanks, Alaska

Re: OME-6534 (Silver-Gold)
Busty Belle Mines, Inc.
Silvertone and Cottonwood
Groups of Claims
Fairbanks Recording District, Alaska
Contract 2221

Dear Mr. Anderson:

Enclosed is a copy of a self-explanatory letter of today to the Operator under the subject contract.

This correspondence relates to the Lien and Subordination Agreements executed February 24, 1966, by you, under the Office of Minerals Exploration program.

Sincerely yours,

FRANK E. JOHNSON

Frank E. Johnson
Chief, Office of
Minerals Exploration

Enclosure

cc: Central File (Director's)
Economic Geology File
OME Docket
OME Reading File
Region II
130
Mr. Smith

BSLong/1 6/19/68

Standard Form No. 1048
7 GAO 5000
1048-104

MEMORANDUM

PUBLIC VOUCHER FOR REFUNDS

Voucher No. 87513

U. S. Interior, Geological Survey
(Department or Establishment, Bureau or Office)

Location: Washington, D. C. 20242

Appropriation or Fund: 14X6875(08)

To Address
Busty Belle Mines, Inc.
212 Nerland Bldg.
Fairbanks, Alaska 99701

OFFICIAL COPY
O. M. E.
RECEIVED
JUN 24 1968
INITIALS CODE
130
120 m
120 S
220

PAID BY

~~Deposit received from the above-named depositor on~~ withheld, 19

for Contract #2221 - OME Docket No. 6534

has been applied as herein stated and the balance indicated is returned herewith:

Amount of deposit $ 200.00

Applied as explained in "Remarks" below

Balance authorized to be refunded $ 200.00

Remarks: Refund of amount withheld from voucher for the month of April 1967 pending receipt of final report. Ref: Memorandum from Chief, Office of Minerals Exploration, 5/31/68.

A. Gabor
Supervisory Accountant

Refund by
Check No.
Cash, $ on
Other method, $, (Describe)

☆ U.S. GOVERNMENT PRINTING OFFICE : 1960 O—572727

AME Form 7
(2/63)

OFFICIAL FILE COPY

Date	Surname	Code
5/29/68	[illegible]	120
5/29/68	Kirkness	120
		110
5/31	cae	220
		120 m

MAY 31 1968

Memorandum

To: Chief, Branch of Budget and Finance

From: Chief, Office of Minerals Exploration

Subject: OME-6534 (Silver-Gold)
Busty Belle Mines, Inc.
Silvertone and Cottonwood Claims
Fairbanks Recording District, Alaska
Contract 2221

The Operator's Final Report on the subject exploration project has been received. We concur in the Field Officer's recommendation that it be accepted. All payments made, and the $200.00 withheld pending receipt of the final report, have been accepted in the Report of Review issued June, 1967. No other payments have been made or claims received since the date of audit. Accordingly, the $200.00 withheld may now be paid to the Operator.

A Certification of Possible Production will not be issued as a significant discovery was not made.

FRANK E. JOHNSON

Frank E. Johnson

cc: Director's Reading File
Economic Geology File
OME Docket
OME Reading File
Region II
Mr. Smith

RMSmith/bsl 5/29/68

IN REPLY REFER TO

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Memorandum

May 24, 1968

OFFICIAL COPY
O. M. E.
RECEIVED
MAY 27 1968

INITIALS	CODE
	130
bgl	120.3
KJ	~~110~~
RM	120

To: Chief, Office of Minerals Exploration
Washington, D. C.

From: Field Officer, Region II

Subject: OME-6534 (Silver-Gold)
Busty Belle Mines, Inc.
Silvertone and Cottonwood Groups of Claims
Fairbanks Recording District, Alaska
Contract No. 2221

Attached is a memorandum from Robert M. Chapman, Alaskan Branch, summarizing the results of the OME exploration under the subject contract.

No mineralization of economic significance was found as a result of by the OME exploration and Mr. Chapman recommends that a Certification of Possible Production not be issued on this property. I concur in the recommendation.

See p. 2

H. K. Stager

Enclosure

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Memorandum May 24, 1968

To: Chief, Office of Minerals Exploration
Washington, D. C.

From: Robert M. Chapman
Alaskan Geology Branch R.M.C.

Subject: OME-6534 (Silver-Gold)
Busty Belle Mines, Inc.
Silvertone and Cottonwood Groups of Claims
Fairbanks Precinct, Alaska

Field Final Report

Description of work accomplished

The 500 feet of drifting and crosscutting that was authorized under the OME contract was accomplished in a satisfactory manner and with only reasonable delays caused by equipment breakdowns, weather, and difficulties in obtaining competent miners. An adit about 379 feet in length, and a north-trending crosscut about 121 feet in length appear to adequately explore the proposed target area that was indicated by surface showings of sulfide ore (see attached map). It was necessary to timber the first 80 feet of adit, but the rest of the adit and crosscut, which meet or exceed the specified minimum dimensions, required no timbering. Very little water was encountered.

At the conclusion of the 500 feet of drifting authorized under the OME contract, only one tiny pod of sulfide mineralization in the north wall of the adit about 327-328 feet from the portal had been found. The operators decided to continue on their own and cut stations near the faces of the adit and crosscut from which diamond drill holes could be directed northward and southward to further prospect the area. The first round shot for a station in the south wall of the adit, 10-18 feet back from the face, exposed sulfide minerals concentrated in two fault zones that had been noted previously in the adit but were essentially barren of sulfide minerals. This "discovery" gave rise to great optimism and publicity in the local newspapers. Further enlargement of this station for several more feet along the trend of the mineralized zone has shown a southeastward continuation of the zone. Two nearly horizontal diamond drill holes (see map) were drilled in May 1967. Diamond drill hole No. 1 extends a reported 120 feet, about S. 13° W., from the drill station and apparently did not cut any recognizable mineralized zones. Diamond drill hole No. 2 extends 84 feet, approximately S. 5° E., from the junction of the crosscut and adit. Possibly it intersects the eastward extension of the fault zone that is exposed in the drill station near the face of the adit, but the core, and assays of it, do not show strong sulfide or gold mineralization.

Geology

The entire underground workings are in a medium to finely crystalline granodiorite to quartz diorite that has abundant joints and fractures, and a number of small fault zones. Calcite, and less commonly quartz, in thin seams and veinlets, which are generally only a few inches or less in thickness, occur along many of these planes. The orientation of these structures and the calcite and/or quartz veinlets is variable, and no significant preferred orientation is apparent. Northwest strikes are probably the most common, but a more detailed survey would be needed to definitely establish this. A number of the calcite and quartz veinlets contain scheelite and/or powellite, and the few small showings of sulfides are directly associated with calcite and/or quartz fillings of joints or fault zones. A few tiny crystals of molybdenite were seen, or reported to have been found in the country rock and veinlets. Small flows of water dripped from several of the probable fault zones, some of which have thin selvages of gouge clay.

In summary, I would interpret from the presently available surface evidence that no strong persistent sulfide- and/or gold-bearing veins that have an economically significant length, width, or depth are present. The locally rich argentiferous galena showings are sporadically distributed along several fault or shear zones, and the distribution of these zones does not seem to be governed by any predictable geologic controls. The scheelite-powellite shows are of no economic significance, and they are mainly 1 inch or less in thickness. There is no apparent disseminated metallization, of even very low grade, in the granodiorite to quartz diorite country rock.

Mineral shows and samples

The operators took about 30 grab and selected samples in the adit and crosscut, and I have no firsthand knowledge of how representative these may be. These sample assays, made by the State Division of Mines and Minerals, have been submitted to the OME by the operators. The gold ranges fron nil to 0.04 ounce per ton, and silver shows nil to 0.3 ounce per ton; the median of these would be in the lower part of these ranges. They had one scheelite-bearing sample that showed 1.33 percent WO_3. The location of this sample is not specified, but it is an unusually high value and is not representative of the general run of scheelite showings, few of which appear to contain as much as 0.1 percent WO_3. The statement in the operators' report (dated 1/15/68) that "Our assays show mineralization the entire length of the drift" is misleading in that only traces to extremely low Au, Ag, and WO_3 values are characteristic throughout the adit and crosscut. Semiquantitative spectrographic determinations of 20 wall rock grab samples that I collected are given in table 1, and these show generally low values.

The only sulfide mineral showing worthy of note is in the south wall of the adit and drill station between about 363 and 371 feet from the portal. This sulfide deposit had been partly mined out when I examined it on May 16, 1967, and it was stoped out a few feet further when I examined it again on July 14, 1967, so it was impossible to get an exact measurement of the full sulfide body. The main concentration of galena, sphalerite, arsenopyrite, and pyrite is in a sheared fault zone with associated calcite and gouge clay. This zone trends N. 85° W. and can be traced, with a slight change in strike, westward in the back of the adit and into the face at 379 feet. The dip ranges from 80° N. to vertical. The zone ranges from several inches to 1 foot plus in thickness, as I saw it exposed. A maximum sulfide thickness of 1 foot was sampled (67 ACh-11) about 1 foot below the back near the center of the drill station, and this zone thinned to a thickness of about 1 inch within about 4 feet to the west. The sulfide zone thinned but continued into the east wall of the drill station, and appeared to be lenticular in vertical cross section. The 18-inch thickness reported by the operators was probably the maximum in the portion that they mined out. Sample 67 ACh-11 (table 2) is a channel sample taken across a width of 1.2 feet (the widest part) and includes the sulfide zone and a thin gouge clay selvage. Sample 67 ACh-14 (table 2) is a split of a sample which was taken by the operators when they opened and mined this sulfide body. I obtained it from the State Division of Mines and Minerals, but do not know how representative it is.

In this same drill station another sheared fault zone, generally about 3-4 inches thick, trends N. 70° W., and is essentially vertical. A lens of sulfide minerals about 3 inches thick extended from the sill to a height of about 2 feet in this zone, but the rest of the fault zone higher in the drill station and westward along strike in the back and north wall of the adit is essentially barren of sulfide minerals. Sample 67 ACh-12 (table 2) is a channel sample across a sulfide pod, 3 inches in thickness, in this zone about 2 feet above the sill. A sulfide pod was also localized at the intersection of this fault zone with the N. 85° W.-trending fault.

I made a hasty examination of the drill core from diamond drill hole No. 2 just before it was crushed for analysis. This drill hole was entirely in granodiorite to quartz diorite that is cut by many quartz and calcite veinlets, some of which are as much as 2-6 inches thick. Scheelite and/or powellite are present as tiny flecks in some of these veinlets; the largest concentration noted was about 0.25 inch long and the entire core probably would not average more than 0.001 percent WO_3. Several clots of molybdenite, one-eighth to one-quarter inch in diameter, were present along a quartz veinlet at 37.5-38.0 feet, and one tiny crystal was noted at 56 feet. The interval between 42 and 57 feet contains the most abundant quartz and

calcite veins and probably includes the eastward extension of the fault zone, in which the sulfide body occurs, that is exposed in the drill station near the adit face. No sulfide minerals, other than the rare occurrences of molybdenite, were noted in the core from this hole. Analyses submitted by the operators that are labeled #2, and I therefore assume are from the core of diamond drill hole No. 2, show 0.22 to 0.64 ounce per ton of Ag and a trace to 0.04 ounce per ton of Au in the interval between 0 and 56 feet, but no other anomalous metal values. The analyses labeled "sledge" probably are from diamond drill hole No. 1 sludge samples and these show very few anomalous metal values.

In connection with the statement in Warren A. Taylor's letter of January 15, 1968, regarding the interest of the U.S. Geological Survey and the work of Dr. Forbes on a number of their claims on the western part of the property, it should be noted that although this is true, these claims are not a part of the block of Silvertone and Cottonwood Claims involved in the OME exploration work. Forbes' work for the Geological Survey was done in the area along the north side of Fox Creek 0.25-1.0 mile west of the Cottonwood group.

Evaluation

It is my opinion that a certification of discovery based on the findings resulting from the OME and subsequent work is not warranted. The sulfide showings are minor and do not show promise of having enough lateral or vertical extent to yield more than a few thousand pounds of ore. The fault or sheared zones, along which the sulfide mineral lenses occur, do not appear to be hosts for major persistent mineralized veins such as are developed in some of the deposits in the Fairbanks district. The sulfide deposit along the zone exposed in the adit drill station, even if proved to be fairly persistent, would probably not have sufficient width and tenor to be profitable to work by underground methods, and it would not be amenable to open cutting. The OME underground work has, I believe, established that the previously known sporadic and locally rich argentiferous galena showings on the surface do not continue to a significant depth.

The sporadically distributed and low gold values are not encouraging. The scattered scheelite-powellite showings also do not appear to have any economic significance. There are no indications of disseminated metallization in the igneous country rock. Therefore, there are no prospects for a low-grade ore body that could be worked by open-pit methods.

Table 2.--Assays of samples from Busty Belle adit.[1/]

Samples	Au oz/ton	Ag oz/ton	Pb percent	Cu percent	Zn percent	As percent	Sb percent
67 ACh-11	0.18	34.20	19.00	0.15	9.95	1.68	0.31
67 ACh-12	.12	19.10	11.50	.41	15.10	1.33	.31
67 ACh-14	.14	27.05	12.55	.26	10.20	1.92	.52

1/ Collected by R. M. Chapman - May 16, 1967.
Assayed by Crismon & Nichols, Assayers and Chemists, June 12, 1967.

Table 1. Semiquantitative Spectrographic and Chemical Analyses of Samples from Busty Belle Adit

In parts per million, except as noted

		Field No.	1/ Ag	2/ Ag	1/ Au	2/ Au	As	B	Ba	Be	Bi	Cd	Co	Cr	Cu	La	Mo	Mn	Nb	Ni	Pb	Sb	Sn	Sr	V	W	Y	Zn	Zr	Mg (Percent)	Fe (Percent)	Ca (Percent)	Ti (Percent)
Granodiorite-quartz diorite. Distances measured from portal.	Adit at 30 ft.	66ACh-17	--	<0.5	<.02	<10	<200	100	700	1	<10	<20	10	100	15	20	<5	700	10	10	20	<100	<10	200	150	150	10	<200	150	.7	5.	2.	.5
	do. 55 ft.	-18	--	<0.5	<.02	<10	<200	20	1,000	1	<10	<20	15	70	10	20	<5	1,000	10	10	50	<100	<10	700	150	<50	10	<200	150	1.5	5.	2.	.5
	do. 75 ft.	-19	--	<0.5	<.02	<10	<200	20	1,000	<1	<10	<20	15	150	20	20	<5	700	10	15	50	<100	<10	500	150	<50	10	<200	100	3.	5.	2.	.5
	do. 94 ft.	-11	--	<0.5	.04	<10	<200	50	1,500	1	<10	<20	15	70	30	30	<5	700	10	10	100	200	<10	500	200	<50	15	<200	200	2.	5.	3.	.5
	do. 125 ft.	-41	--	<0.5	<.02	<10	<200	50	700	<1	<10	<20	15	70	30	<20	<5	2.000	20	15	70	<100	<10	500	150	<50	10	<200	150	3.	10.	5.	.7
	do. 170 ft.	-42	--	<0.5	<.02	<10	<200	<10	500	1	<10	<20	10	15	15	<20	<5	1,000	10	10	50	<100	<10	500	150	<50	10	<200	100	1.5	7.	3.	.7
	do. 209 ft.	-43	--	<0.5	<.02	<10	<200	10	700	<1	<10	<20	10	50	20	<20	<5	1.500	15	7	50	<100	<10	500	150	<50	10	<200	100	2.	10.	7.	.7
	do. 240 ft.	-44	0.8	<0.5	<.02	<10	<200	15	1,000	1	<10	<20	15	50	30	30	<5	1.000	<10	30	50	<100	<10	500	200	<50	20	<200	150	2.	5.	2.	.5
	do. 279 ft.	-45	0.9	<0.5	<.02	<10	<200	20	1.500	1	<10	<20	15	50	30	50	<5	1.000	<10	15	50	<100	<10	1.000	200	<50	30	<200	200	2.	5.	3.	.7
	do. 325 ft.	-46	0.7	<0.5	<.02	<10	<200	20	1.500	1.5	<10	<20	15	30	50	50	<5	1.500	<10	50	30	<100	<10	1.000	200	<50	30	<200	150	2.	5.	3.	.5
	do. 300 ft.	-47	0.8	<0.5	<.02	<10	<200	20	1,500	1	<10	<20	15	70	5	50	<5	1,500	10	10	30	<100	<10	700	300	<50	30	<200	150	2.	5.	3.	.7
	do. 327 ft.	67ACh- 1	0.5	<0.5	<.02	<10	<200	20	1,500	1.5	<10	<20	15	20	50	50	<5	1.000	<10	7	50	<100	<10	500	200	<50	30	<200	200	1.5	5.	2.	.5
	do. 335 ft.	- 2	0.8	<0.5	<.02	<10	<200	10	1,000	1	<10	<20	10	20	50	30	<5	1.000	<10	5	70	<100	<10	1,500	200	<50	20	300	150	1.	3.	2.	.5
	do. 368 ft.	- 3	1.2	<0.5	<.02	<10	<200	20	1,500	1.5	<10	<20	20	50	150	50	<5	1,500	<10	10	50	<100	<10	700	200	<50	30	<200	200	2.	5.	3.	.7
Gouge clay	do. 367 ft.	-13	6.2	20.	.02	<10	>10,000	200	500	3	<10	<20	15	50	100	50	<5	500	10	10	1.000	150	200	<100	300	50	30	1,000	200	1.5	5.	0.7	.7
Granodiorite-quartz diorite. Distances measured from adit.	Crosscut at 22 ft.	- 6	0.9	<0.5	<.02	<10	<200	20	1,500	1.5	<10	<20	15	50	20	50	<5	1.500	<10	10	50	<100	<10	700	200	<50	20	<200	150	2.	5.	3.	.5
	do. 39 ft.	- 7	0.7	<0.5	<.02	<10	<200	15	1,000	<1	<10	<20	10	30	50	30	<5	1.000	<10	7	30	<100	<10	500	150	<50	20	<200	150	1.	3.	2.	.5
	do. 67 ft.	- 8	0.8	<0.5	<.02	<10	<200	30	1.500	1.5	<10	<20	15	50	30	30	<5	1.500	10	10	30	<100	<10	700	200	<50	30	<200	150	2.	5.	3.	.7
	do. 52 ft.	- 9	0.8	<0.5	.02	<10	200	<10	1.500	1	<10	<20	10	70	50	50	1.000	1.000	<10	20	100	<100	10	500	200	>10,000	20	<200	200	2.	3.	3.	.7
	do. 78 ft.	-10	0.5	<0.5	<.02	<10	<200	30	1,500	1.5	<10	<20	10	30	10	30	10	1.500	10	10	50	<100	<10	1.000	200	100	30	<200	200	2.	5.	3.	.5

1/ Atomic absorption method.
2/ Spectrographic method.

Johnson/Kirkeeno

for your info

& files

OT

To:

Busty Belle

Files

Standard Form No. 65
November 1961
General Services Administration
FPMR (4T CFR) 101-11.6

U.S. Government Messenger Envelope

NAME (OR TITLE) OF ADDRESSEE, AGENCY, ORGANIZATIONAL UNIT, ADDRESS, AND ROOM		NAME (OR TITLE) OF ADDRESSEE, AGENCY, ORGANIZATIONAL UNIT, ADDRESS, AND ROOM	
Mr. Byron E. Harking Room 7234, GSA	STOP		STOP
	STOP		STOP
Mr. Thelton Room 4356	STOP		STOP
Mr. Harold Kikuno Room 4457	STOP		STOP
	STOP		STOP
	STOP		STOP
	STOP		STOP
	STOP		STOP
	STOP		STOP
	STOP		STOP

Use other side

Use STOP only when messenger service between Government buildings in Washington, D.C., is required or wherever a ST system is used. Your mail room has STOP information.

INSTRUCTIONS FOR USE

1. Void Previously Used Block
2. Identify Agency of Addressee
3. Write Clearly
4. Send Surplus Envelopes to Supply Room for Reissue

NAME (OR TITLE) OF ADDRESSEE, AGENCY, ORGANIZATIONAL UNIT, ADDRESS, AND ROOM		NAME (OR TITLE) OF ADDRESSEE, AGENCY, ORGANIZATIONAL UNIT, ADDRESS, AND ROOM	
	STOP		STOP
	STOP		STOP
	STOP		STOP
	STOP		STOP
	STOP		STOP
	STOP		STOP
	STOP		STOP
	STOP		STOP
	STOP		STOP

Use other side first

☆ U. S. GOVERNMENT PRINTING OFFICE: 1964 — 0:231-900

Bishop Bill
Me E-6534
1 20

MAY 8 - 1968

Hon. Ernest Gruening
United States Senate
Washington, D. C. 20510

Dear Senator Gruening:

The problem of financing mining operations beyond the exploration stage, as raised in your letter of April 23, is indeed a difficult one, particularly for a small miner. It is, however, one that is beyond the scope of Geological Survey activities; a concerted effort made in 1963-1964 to obtain changes in OMB legislation that would provide for development loans of this sort was unsuccessful.

The exploration done thus far by Mr. Taylor has shown that the property has considerable promise, but I am inclined to think that the fundamental issue is one of establishing adequate reserves of minable ore. As I'm sure you know, the country is studded with abandoned mills that stand as monuments to over-optimistic developers.

In the absence of any mechanism whereby we can provide further aid, I can only suggest that Mr. Taylor join forces with one of the mining companies to further explore his property, with the objective of blocking out sufficient ore to clearly justify additional investment for a mill. Once this is done, it should be possible to obtain financing from either the mining industry or commercial sources without great difficulty.

Sincerely yours,

Arthur A. Baker

Acting
Director

cc: Gen. Files, 5225, GSA
nir. Chron
Jam
Twet

es:pws 5/6/68

#179567

HENRY M. JACKSON, WASH., CHAIRMAN
CLINTON P. ANDERSON, N. MEX.
ALAN BIBLE, NEV.
FRANK CHURCH, IDAHO
ERNEST GRUENING, ALASKA
FRANK E. MOSS, UTAH
QUENTIN N. BURDICK, N. DAK.
CARL HAYDEN, ARIZ.
GEORGE MCGOVERN, S. DAK.
GAYLORD NELSON, WIS.
LEE METCALF, MONT.
THOMAS H. KUCHEL, CALIF.
GORDON ALLOTT, COLO.
LEN B. JORDAN, IDAHO
PAUL J. FANNIN, ARIZ.
CLIFFORD P. HANSEN, WYO.
MARK O. HATFIELD, OREG.
JERRY T. VERKLER, STAFF DIRECTOR

United States Senate

COMMITTEE ON
INTERIOR AND INSULAR AFFAIRS

April 23, 1968

NOTED

APR 24 1968

DIRECTOR

Your advice wp.

Dr. W. T. Pecora
Director
Geological Survey
Department of the Interior
Washington, D. C.

Dear Bill:

As you will recall, Warren A. Taylor, Esquire, a most distinguished citizen of Alaska, has been very much interested in developing a mine which he believes will be extremely productive. The Office of Minerals Exploration was very helpful in providing an exploration loan to assist in the initial phases of this project.

Now Mr. Taylor has written me a letter, a copy of which I enclose, explaining that he is now satisfied large bodies of ore exist which can be profitably mined. However, in order to make this venture an economic success, it now appears that a mill should be provided to concentrate ore. This is necessary to overcome exorbitant transportation costs resulting from shipment of ore to a point where the product can be concentrated. As Mr. Taylor explains in his letter, the difference in transportation costs between shipment of ore and shipment of the processed material is great enough to make the difference between a successful enterprise and one which cannot operate effectively.

In order to construct the mill which is needed, the operator requires further Federal assistance in the form of a loan to finance the development of the ore bodies discovered to exist as a result of the Office of Mineral Exploration contract.

Unfortunately, Mr. Taylor's experience with the Small Business Administration in this connection is extremely discouraging. As you will see from the enclosure, the first application made to SBA was arbitrarily rejected. Mr. Taylor is undertaking another effort to obtain SBA consideration which we hope will be successful.

Meanwhile, I believe legislation should be introduced to expand Federal assistance to mining activities to include low interest rate loans and other assistance to qualified miners for development purposes.

Dr. W. T. Pecora
April 23, 1968

As I am sure you are entirely familiar with this problem which has arisen on a number of occasions in the past, I will greatly appreciate it if you would give me your comment as to the form of assistance which could best be used by miners to develop their properties after discoveries are made. I look forward to hearing from you concerning this in the near future.

With best wishes, I remain

Cordially yours,

Ernest

ERNEST GRUENING, U. S. S.

Enclosure

WARREN A. TAYLOR
ATTORNEY AT LAW
212 NERLAND BUILDING
P. O. BOX 200
FAIRBANKS, ALASKA 99701
TELEPHONE 452-3170

RECEIVED APR 18 1968

April 15, 1968

Senator Ernest Gruening
Senate Office Building
Washington, D.C.

Dear Senator:

I spoke to you about getting our mine in production as soon as possible. When you had the Department of Interior officials here, Tury F. Anderson and I had a talk with the Director of O.M.E., and upon returning we entered into a contract to drive an adit 500 feet into the hill. We did the work and we finished the adit but did additional drilling and struck a real high grade vein which carried 32% zinc, 15% lead, 33 oz. silver per ton, and 1-1/2 oz. of gold.

We have stripped several veins on the surface which carry only silver, lead and gold. We have shipped considerable ore from the latter veins but the freight rates are so high that there is little profit and the only ones benefitting are the Alaska Railroad, the barge line, and the outside railroads.

The O.M.E. paid 62-1/2% of the cost of our driving the tunnel and we paid 37-1/2%.

We have large bodies of ore which we can mine by open pit method. However, we need a mill to concentrate the ore so that our profit is not all paid out to the transportation. I can illustrate our problem by actual figures: if we shipped 50 ton of ore to the smelter the freight bill would be $1,700.00. If we can concentrate the 50-ton down to 10 ton of concentrates, the freight is $350.00, a difference of $1,360.00. This indicates the necessity of our having a mill. We have solicited prices of the equipment and it will run about $50,000.00 and another $15,000.00 or $18,000.00 for the mill building.

Our pre-project report was mailed to the S.B.A. at Anchorage and within two or three days they arbitrarily turned us down and didn't even want us to send our formal application on Form B4 which contained full information as to why we need the money.

We have over $100,000.00 in the mine and have equipment worth $65,000.00 and also our time and effort.

It may be that we can get along on $30,000.00, as we can get a complete mill by assuming a chattel mortgage on it for $16,500. We would need money for a mill building and several milling items which we will need, which will run about $30,000.00.

I have written the Anchorage office of the S.B.A. and have requested them to take a look at our application and Form B.4.

This mill and mine will require 8 men to operate it. Their wages will support 8 families.

We also plan on making this mill an ore buying station to mill ores from a number of small operators near our mine. Seven have already asked us if we will mill their ore.

I would like to talk this over with you the next time you are here.

Sincerely yours,

Warren A. Taylor

Warren A. Taylor, President
BUSTY BELLE MINES, INC.

WAT/fs

[illegible] B. ANDERSON, NEV. CHAIRMAN
[illegible] N. MEX.
[illegible] IDAHO
[illegible] ALASKA
[illegible] UTAH
[illegible] N. DAK.
[illegible] S. DAK.
[illegible] OHIO
[illegible] MONT.
THOMAS H. KUCHEL, CALIF.
GORDON ALLOTT, COLO.
LEN B. JORDAN, IDAHO
PAUL J. FANNIN, ARIZ.
CLIFFORD P. HANSEN, WYO.
MARK O. HATFIELD, OREG.
JERRY T. VERKLER, STAFF DIRECTOR

United States Senate

COMMITTEE ON
INTERIOR AND INSULAR AFFAIRS

April 23, 1968

NOTED

APR 24 1968

DIRECTOR

Your advice wp.

Dr. W. T. Pecora
Director
Geological Survey
Department of the Interior
Washington, D. C.

Dear Bill:

As you will recall, Warren A. Taylor, Esquire, a most distinguished citizen of Alaska, has been very much interested in developing a mine which he believes will be extremely productive. The Office of Minerals Exploration was very helpful in providing an exploration loan to assist in the initial phases of this project.

Now Mr. Taylor has written me a letter, a copy of which I enclose, explaining that he is now satisfied large bodies of ore exist which can be profitably mined. However, in order to make this venture an economic success, it now appears that a mill should be provided to concentrate ore. This is necessary to overcome exorbitant transportation costs resulting from shipment of ore to a point where the product can be concentrated. As Mr. Taylor explains in his letter, the difference in transportation costs between shipment of ore and shipment of the processed material is great enough to make the difference between a successful enterprise and one which cannot operate effectively.

In order to construct the mill which is needed, the operator requires further Federal assistance in the form of a loan to finance the development of the ore bodies discovered to exist as a result of the Office of Mineral Exploration contract.

Unfortunately, Mr. Taylor's experience with the Small Business Administration in this connection is extremely discouraging. As you will see from the enclosure, the first application made to SBA was arbitrarily rejected. Mr. Taylor is undertaking another effort to obtain SBA consideration which we hope will be successful.

Meanwhile, I believe legislation should be introduced to expand Federal assistance to mining activities to include low interest rate loans and other assistance to qualified miners for development purposes.

170647

Dr. W. T. Pecora
April 23, 1968

As I am sure you are entirely familiar with this problem which has arisen on a number of occasions in the past, I will greatly appreciate it if you would give me your comment as to the form of assistance which could best be used by miners to develop their properties after discoveries are made. I look forward to hearing from you concerning this in the near future.

With best wishes, I remain

Cordially yours,

Ernest

ERNEST GRUENING, U. S. S.

Enclosure

WARREN A. TAYLOR
ATTORNEY AT LAW
212 HERMANN BUILDING
P. O. BOX 200
FAIRBANKS, ALASKA 99701
TELEPHONE 452-5170

RECEIVED APR 18 1968

April 15, 1968

Senator Ernest Gruening
Senate Office Building
Washington, D.C.

Dear Senator:

I spoke to you [illegible] mine in production as soon as possible. When you had the [illegible] Interior officials here, Tury F. [illegible] and [illegible] with the Director of O.M.E., and upon return [illegible], we entered into a contract to drive an adit 500 feet into the [illegible]. We [illegible] and we finished the adit but did additional drilling and [illegible] real high grade vein which carried 52% zinc, 15% lead, 53 oz. silver per ton, and 1-1/2 oz. of gold.

We have stripped several veins on the surface which carry only silver, lead and gold. We have shipped considerable ore from the latter veins but the freight rates are so high that there is little profit and the only ones benefitting are the Alaska Railroad, the barge line, and the outside railroads.

The O.M.E. paid 62-1/2% of the cost of our driving the tunnel and we paid 37-1/2%

We have large bodies of ore which we can mine by open pit method. however, we [illegible] mill or concentrate the ore so that our profit is not all [illegible] out to the transportation. I can illustrate our problem by actual figures: If we shipped 50 ton of ore to the smelter the freight bill would be $1,750.00. If we can concentrate the 50-ton down to 10 ton of concentrates, the freight is $350.00, a difference of $1,400.00. This indicates the necessity of our having a mill. We have solicited prices of the equipment and it will run about $50,000.00 and another $15,000.00 or $18,000.00 for the mill building.

Our pre-project report was mailed to the S.B.A. at Anchorage and within two or three days they arbitrarily turned us down and didn't even want us to send our formal application on Form B4 which contained full information as to why we need the money.

We have over $100,000.00 in the mine and have equipment worth $65,000.00 and also our time and effort.

It may be that we can get along on $30,000.00, as we can get a complete mill by assuming a chattel mortgage on it for $16,500. We would need money for a mill building and several milling items which we will need, which will run about $30,000.00.

I have written the Anchorage office of the S.B.A. and have requested them to take a look at our application and Form B.4.

This mill and mine will require 8 men to operate it. Their wages will support 8 families.

We also plan on making this mill an ore buying station to mill ores from a number of small operators near our mine. Seven have already asked us if we will mill their ore.

I would like to talk this over with you the next time you are here.

Sincerely yours,

Warren A. Taylor

Warren A. Taylor, President
BUSTY BELLE MINES, INC.

WAT/fs

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WASHINGTON

Busby B. C.
6534

DATE 4/26

FERRED BY ASSISTANT CHIEF GEOLOGIST:

TO F. Johnson / Kirkham

Please let me have your ideas as soon as possible

Ogden

Return to
Frank Johnson

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

M86938-66

HENRY M. JACKSON, WASH., CHAIRMAN
CLINTON P. ANDERSON, N. MEX.
ALAN BIBLE, NEV.
FRANK CHURCH, IDAHO
ERNEST GRUENING, ALASKA
FRANK E. MOSS, UTAH
QUENTIN N. BURDICK, N. DAK.
CARL HAYDEN, ARIZ.
GEORGE MCGOVERN, S. DAK.
GAYLORD NELSON, WIS.
LEE METCALF, MONT.
THOMAS H. KUCHEL, CALIF.
GORDON ALLOTT, COLO.
LEN B. JORDAN, IDAHO
PAUL J. FANNIN, ARIZ.
CLIFFORD P. HANSEN, WYO.
MARK O. HATFIELD, OREG.
JERRY T. VERKLER, STAFF DIRECTOR

United States Senate

COMMITTEE ON
INTERIOR AND INSULAR AFFAIRS

OFFICIAL
COPY
O. M. E.
RECEIVED
APR 26 1968
INITIALS | CODE
110

April 23, 1968

NOTED
APR 24 1968
DIRECTOR

Your advice wp.

90

6534

Dr. W. T. Pecora
Director
Geological Survey
Department of the Interior
Washington, D. C.

Dear Bill:

As you will recall, Warren A. Taylor, Esquire, a most distinguished citizen of Alaska, has been very much interested in developing a mine which he believes will be extremely productive. The Office of Minerals Exploration was very helpful in providing an exploration loan to assist in the initial phases of this project.

Now Mr. Taylor has written me a letter, a copy of which I enclose, explaining that he is now satisfied large bodies of ore exist which can be profitably mined. However, in order to make this venture an economic success, it now appears that a mill should be provided to concentrate ore. This is necessary to overcome exorbitant transportation costs resulting from shipment of ore to a point where the product can be concentrated. As Mr. Taylor explains in his letter, the difference in transportation costs between shipment of ore and shipment of the processed material is great enough to make the difference between a successful enterprise and one which cannot operate effectively.

In order to construct the mill which is needed, the operator requires further Federal assistance in the form of a loan to finance the development of the ore bodies discovered to exist as a result of the Office of Mineral Exploration contract.

Unfortunately, Mr. Taylor's experience with the Small Business Administration in this connection is extremely discouraging. As you will see from the enclosure, the first application made to SBA was arbitrarily rejected. Mr. Taylor is undertaking another effort to obtain SBA consideration which we hope will be successful.

Meanwhile, I believe legislation should be introduced to expand Federal assistance to mining activities to include low interest rate loans and other assistance to qualified miners for development purposes.

179562

Dr. W. T. Pecora
April 23, 1968

As I am sure you are entirely familiar with this problem which has arisen on a number of occasions in the past, I will greatly appreciate it if you would give me your comment as to the form of assistance which could best be used by miners to develop their properties after discoveries are made. I look forward to hearing from you concerning this in the near future.

With best wishes, I remain

Cordially yours,

Ernest

ERNEST GRUENING, U. S. S.

Enclosure

WARREN A. TAYLOR
ATTORNEY AT LAW
212 NERLAND BUILDING
P. O. BOX 200
FAIRBANKS, ALASKA 99701
TELEPHONE 452-3170

RECEIVED APR 18 1968

6534

April 15, 1968

Senator Ernest Gruening
Senate Office Building
Washington, D.C.

Dear Senator:

I spoke to you about getting our mine in production as soon as possible. When you had the Department of Interior officials here, Tury F. Anderson and I had a talk with the Director of O.M.E., and upon returning we entered into a contract to drive an adit 500 feet into the hill. We did the work and we finished the adit but did additional drilling and struck a real high grade vein which carried 32% zinc, 15% lead, 33 oz. silver per ton, and 1-1/2 oz. of gold.

We have stripped several veins on the surface which carry only silver, lead and gold. We have shipped considerable ore from the latter veins but the freight rates are so high that there is little profit and the only ones benefitting are the Alaska Railroad, the barge line, and the outside railroads.

The O.M.E. paid 62-1/2% of the cost of our driving the tunnel and we paid 37-1/2%.

We have large bodies of ore which we can mine by open pit method. However, we need a mill to concentrate the ore so that our profit is not all paid out to the transportation. I can illustrate our problem by actual figures: if we shipped 50 ton of ore to the smelter the freight bill would be $1,700.00. If we can concentrate the 50-ton down to 10 ton of concentrates, the freight is $350.00, a difference of $1,360.00. This indicates the necessity of our having a mill. We have solicited prices of the equipment and it will run about $50,000.00 and another $15,000.00 or $18,000.00 for the mill building.

Our pre-project report was mailed to the S.B.A. at Anchorage and within two or three days they arbitrarily turned us down and didn't even want us to send our formal application on Form B4 which contained full information as to why we need the money.

We have over $100,000.00 in the mine and have equipment worth $65,000.00 and also our time and effort.

It may be that we can get along on $30,000.00, as we can get a complete mill by assuming a chattel mortgage on it for $16,500. We would need money for a mill building and several milling items which we will need, which will run about $30,000.00.

I have written the Anchorage office of the S.B.A. and have requested them to take a look at our application and Form B.4.

This mill and mine will require 8 men to operate it. Their wages will support 8 families.

We also plan on making this mill an ore buying station to mill ores from a number of small operators near our mine. Seven have already asked us if we will mill their ore.

I would like to talk this over with you the next time you are here.

Sincerely yours,

Warren A. Taylor

Warren A. Taylor, President
BUSTY BELLE MINES, INC.

WAT/fs

m 7

OFFICIAL FILE COPY

Date	Surname	Code
4/29/68	RM Smith	120
		120
"	On leave	110
		220
4/29	coe	120N

April 29, 1968

Memorandum

To: Assistant Chief Geologist for Economic Geology

From: Assistant Chief, Office of Minerals Exploration

Subject: OME-6534 (Silver-Gold)
Busty Belle Mines, Inc.
Silvertone and Cottonwood Groups of Claims
Fairbanks Precinct, Alaska
Contract 2221

Senator Gruening's letter of April 23, 1968, to the Director requests comment on ". . . the form of assistance which could best be used by miners to develop their properties after discoveries are made." The letter relates specifically to the Busty Belle Mine and to the subject OME exploration project.

This project was completed in April 1967, but a discovery has not been certified for lack of information. An Operator's Final Report received January 18, 1968, and a supplemental letter received February 7, 1968, refer to an 18-inch vein ". . . carrying 32% zinc, 15% lead, 33 oz. silver, and 1 oz. gold," which was found since the OME adit was finished. The extent of this vein is not known, and certification depends on descriptive data to be furnished by an OME representative as soon as the property is accessible.

It seems evident that no development has been done on the alleged discovery and that present showings do not justify a mill. Whether development is warranted cannot be determined from the Operator's reports.

The Operator's reports also refer to 130 bore holes in 1967 by Dr. Forbes of the University of Alaska who ". . . found gold practically every place he bored." A progress report by Dr. Forbes (U. S. Geological Survey Research Contract 14-08-0001-10919) reveals that the highest gold value was 20 ppm and the average was 1-2 ppm (pp. 7, 8).

In answer to Senator Gruening's question, we know of no Federal assistance program for development work. The OME program is restricted to exploration and the SBA program is restricted to capital expenditures, such as a mill, that are warranted by ore already developed. Normally, private industry is willing and anxious to develop a discovery that appears to have commercial possibilities.

cc: Director's Reading File
Division File
Economic Geology File
OME docket
OME Reading File
Mr. Smith

Harold Kirkemo/gla

Harold Kirkemo

RMSmith/gla 4-29-68

HENRY M. JACKSON, WASH., CHAIRMAN
CLINTON P. ANDERSON, N. MEX.
ALAN BIBLE, NEV.
FRANK CHURCH, IDAHO
ERNEST GRUENING, ALASKA
FRANK E. MOSS, UTAH
QUENTIN N. BURDICK, N. DAK.
CARL HAYDEN, ARIZ.
GEORGE MCGOVERN, S. DAK.
GAYLORD NELSON, WIS.
LEE METCALF, MONT.
THOMAS H. KUCHEL, CALIF.
GORDON ALLOTT, COLO.
LEN B. JORDAN, IDAHO
PAUL J. FANNIN, ARIZ.
CLIFFORD P. HANSEN, WYO.
MARK O. HATFIELD, OREG.
JERRY T. VERKLER, STAFF DIRECTOR

United States Senate

COMMITTEE ON
INTERIOR AND INSULAR AFFAIRS

OFFICIAL COPY
O. M. E.
RECEIVED
APR 26 1968
INITIALS | CODE
110

April 23, 1968

NOTED
APR 24 1968
DIRECTOR

Your advice WP

OME-6534

Dr. W. T. Pecora
Director
Geological Survey
Department of the Interior
Washington, D. C.

Dear Bill:

As you will recall, Warren A. Taylor, Esquire, a most distinguished citizen of Alaska, has been very much interested in developing a mine which he believes will be extremely productive. The Office of Minerals Exploration was very helpful in providing an exploration loan to assist in the initial phases of this project.

Now Mr. Taylor has written me a letter, a copy of which I enclose, explaining that he is now satisfied large bodies of ore exist which can be profitably mined. However, in order to make this venture an economic success, it now appears that a mill should be provided to concentrate ore. This is necessary to overcome exorbitant transportation costs resulting from shipment of ore to a point where the product can be concentrated. As Mr. Taylor explains in his letter, the difference in transportation costs between shipment of ore and shipment of the processed material is great enough to make the difference between a successful enterprise and one which cannot operate effectively.

In order to construct the mill which is needed, the operator requires further Federal assistance in the form of a loan to finance the development of the ore bodies discovered to exist as a result of the Office of Mineral Exploration contract.

Unfortunately, Mr. Taylor's experience with the Small Business Administration in this connection is extremely discouraging. As you will see from the enclosure, the first application made to SBA was arbitrarily rejected. Mr. Taylor is undertaking another effort to obtain SBA consideration which we hope will be successful.

Meanwhile, I believe legislation should be introduced to expand Federal assistance to mining activities to include low interest rate loans and other assistance to qualified miners for development purposes.

179568

Dr. W. T. Pecora
April 23, 1968

As I am sure you are entirely familiar with this problem which has arisen on a number of occasions in the past, I will greatly appreciate it if you would give me your comment as to the form of assistance which could best be used by miners to develop their properties after discoveries are made. I look forward to hearing from you concerning this in the near future.

With best wishes, I remain

Cordially yours,

Ernest

ERNEST GRUENING, U. S. S.

Enclosure

WARREN A. TAYLOR
ATTORNEY AT LAW
212 NERLAND BUILDING
P. O. BOX 200
FAIRBANKS, ALASKA 99701
TELEPHONE 452-3170

RECEIVED APR 18 1968

April 15, 1968

6534

Senator Ernest Gruening
Senate Office Building
Washington, D.C.

Dear Senator:

I spoke to you about getting our mine in production as soon as possible. When you had the Department of Interior officials here, Tury F. Anderson and I had a talk with the Director of O.M.E., and upon returning we entered into a contract to drive an adit 500 feet into the hill. We did the work and we finished the adit but did additional drilling and struck a real high grade vein which carried 32% zinc, 15% lead, 33 oz. silver per ton, and 1-1/2 oz. of gold.

We have stripped several veins on the surface which carry only silver, lead and gold. We have shipped considerable ore from the latter veins but the freight rates are so high that there is little profit and the only ones benefitting are the Alaska Railroad, the barge line, and the outside railroads.

The O.M.E. paid 62-1/2% of the cost of our driving the tunnel and we paid 37-1/2%.

We have large bodies of ore which we can mine by open pit method. However, we need a mill to concentrate the ore so that our profit is not all paid out to the transportation. I can illustrate our problem by actual figures: if we shipped 50 ton of ore to the smelter the freight bill would be $1,700.00. If we can concentrate the 50-ton down to 10 ton of concentrates, the freight is $350.00, a difference of $1,360.00. This indicates the necessity of our having a mill. We have solicited prices of the equipment and it will run about $50,000.00 and another $15,000.00 or $18,000.00 for the mill building.

Our pre-project report was mailed to the S.B.A. at Anchorage and within two or three days they arbitrarily turned us down and didn't even want us to send our formal application on Form B4 which contained full information as to why we need the money.

We have over $100,000.00 in the mine and have equipment worth $65,000.00 and also our time and effort.

It may be that we can get along on $30,000.00, as we can get a complete mill by assuming a chattel mortgage on it for $16,500. We would need money for a mill building and several milling items which we will need, which will run about $30,000.00.

I have written the Anchorage office of the S.B.A. and have requested them to take a look at our application and Form B.4.

This mill and mine will require 8 men to operate it. Their wages will support 8 families.

We also plan on making this mill an ore buying station to mill ores from a number of small operators near our mine. Seven have already asked us if we will mill their ore.

I would like to talk this over with you the next time you are here.

Sincerely yours,

Warren A. Taylor

Warren A. Taylor, President
BUSTY BELLE MINES, INC.

WAT/fs

STATE OF ALASKA
Department of Natural Resources
DIVISION OF MINES AND MINERALS

Box 5-300
College, Alaska 99701

OFFICIAL COPY
O. M. & R.
RECEIVED
MAR 8 1968
INITIALS | CODE
110
RWD | 120
glw | 130
OM

MINES AND PETROLEUM BULLETIN

March 1968

Vol XVI
No. 3

-5 on -6534
-6148 ? eymade

MINING ACTIVITIES

More on Chandalar - The Wallace Miner reports that the Chandalar gold properties, leased from Eskil Anderson and others by the Little Squaw Mining Company, has been subleased from Little Squaw by Chandalar Mining and Milling Co. The properties cover an area 7x2 miles with at least four major vein systems. Two of the vein systems have been developed to the point of production. It is reported that estimated blocked-out ore in the Mikado vein is 1.5 million tons @ $87/ton. Ownership of the Little Squaw Company is divided among several interests.

OME-6534 File

Fairbanks - The directors of Busty Belle Mines, Inc. are planning to construct a 50 ton/day mill on their gold-quartz property 20 miles north of Fairbanks. The mill will be constructed to handle ore from 17 claims owned by the company and will also custom-mill ore from other small mines in the area.

Bunker Hill Mining Merger - In our January bulletin we stated that the Bunker Hill Mining Company was discussing a merger with Homestake Mining Company. It now appears that the Homestake deal has been rejected in favor of an offer by the Utah Construction and Mining Company. Both companies have been active in mineral exploration throughout Alaska.

OIL AND GAS NEWS

Eleven applications for drilling permits were approved by the Division's Petroleum branch as follows:

Permit No. 68-9. Pan American Petroleum Corporation #14, M.G.S. State 17595, A.P.I. No. 50-133-20084. Surface location: 1934' FNL and 544' FWL, Sec. 31, T9N,R12W, S.M. Bottom hole location: 2600' FSL and 1500' FWL, Sec. 30, T9N, R12W, S.M. This development location is in the Middle Ground Shoal Field.

Permit No. 68-10. Union Oil Company of California #G-8 Trading Bay Unit, A.P.I. No. 50-133-20085. Surface location: 1874' FSL and1380' FEL, Sec. 29, T9N,W13W,S.M. Bottom hole location: 2300' FNL and 1580' FEL, Sec. 33, T9N,R13W,S.M. This development location is in the McArthur River Field.

Permit No. 68-11. Pan American Petroleum Corporation #9, South M.G.S. Unit, A.P.I. No. 50-133-20086. Surface location: 743'FSL and 1818'FWL, Sec. 35,T8N, R13W, S.M. Bottom hole location:660'FNL and 1980'FWL, Sec.35, T8N,R13W, S.M. This development location is in the McArthur River Field. Note:Pan American Petroleum Corporation has changed the well number of a previously issued permit(permit No. 67-75,A.P.I. No. 50-133-20063) to #8 South M.G.S. Unit. This permit was for #9 South M.G.S. Unit also.

Permit No. 68-12. Pan American Petroleum Corporation #18, Granite Point State 18742,A.P.I. No. 50-133-20087. Surface location: 1989' FSL and 2053' FWL, Sec. 31, T11N, R11W, S.M. Bottom hole location: 660' FSL and 1980' FWL, Sec. 31, T11N, R11W, S.M. This development location is in the Granite Point Field.

BUSTY BELLE MINES, INC.
212 Nerland Building
543 Third Avenue
Fairbanks, Alaska 99701

A. Taylor, Pres.
. Rasor, V. Pres.-Treas.
C. Burk, Sec'y.

February 5, 1968

ORIGINAL COPY
O. M. E.
RECEIVED
FEB 9 1968
INITIALS | CODE
RMS | 120 S

RECEIVED
FEB 7 1968
OFFICE OF MINERALS EXPLORATION
U.S. GEOLOGICAL SURVEY
MENLO PARK, CALIF.

U. S. Department of the Interior
Office of Mineral Exploration
345 Middlefield Road
Menlo Park, California 94025

RE: OME-6534 (Silver, Gold)
Busty Belle Mines, Inc.

Dear Sirs:

This will acknowledge receipt of your letter of January 25, 1968 re our final report on work done under the above described contract.

As the work contemplated under the contract was the driving of a 500-foot adit to contact a vein which was visible on the surgace and upon which a shaft had been sunk about 30 feet. This vein in the shaft carried good values. There was another vein about 30 feet north of this shaft on which an adit had been drifted for about 40 feet. This is the vein from which a shipment had been made to the smelter. This shipment was made in the spring of 1966. This shipment of ore carried good values in silver, lead and gold, and the smelter returns after payment of freight, smelter charges gave a net return of $171.00 per ton.

prior to the OME Contract

After we completed the 500-foot adit at a lower lever, there were indications of various mineralization. After completing the 500-foot adit, we did about 200 feet of core drilling but have not yet got the assays from the University.

We then drove an ofd-shoot not far from the end of the adit and hit a vein of high grade ore carrying 32% zinc, 15% lead, 33 oz. silver and 1 oz. gold.

Due to the flood we were unable to continue the prospecting, although we did put in a couple rounds of shots and exposed a vein of zinc, lead, silver and gold.

The drawing submitted with our report indicates where we exposed the vein. I am reproducing a sketch of the area in which we hit the hi-grade ore.

I mentioned about the flood halting our efforts; will state the flood did not affect the mine, but that everybody connected with the mine had a duty to get their homes in habitable condition before the cold weather set in. Fortunately we had good weather all fall and most of the people got their homes, etc., in fair shape for winter. When the weather became cold we did not have the finances with which to follow the vein we had exposed in the 500-foot adit.

However, the U.S.G.S. had some money for exploration work and Dr. Forbes of the University did some boring on the South slope of the hill and found gold practically every place he bored. He put down about 130 holes of various depths. I believe the greatest depth was 30 feet. He has not yet concluded his assay work on the several hundred samples he took but we expect to have them within the next month.

We did not expect to hit mineable ore in driving our 500-foot adit. We understood that your office did want assays as the work went forward, however.

As we have not followed the ore struck in the lower level we are unable to for the above stated reasons and are therefore unable to estimate ore reserves.

However, we have stripped one vein on the surface which is 9 feet in width. This carries silver, lead and gold, and we would like to sink on this ore body. Due to the high freight rates by rail and ship or barge line, our solution is to put in a mill on the property and concentrate the ore. We are in the process of getting the necessary financing for the mill.

Re a geologic map, I believe we sent you a map which indicated the formation from the start to the finish of the contract. This was submitted with our August, 1967 report. We held up on the final report until Mr. Chapman could inspect the property, but he, so far as I know, is in the States.

What we need now is financial aid to sink on the present exposed veins, and to sink on the vein of zinc, lead

silver and gold vein which we discovered shortly after completing our contract with O.M.E. in August, 1967.

Our report indicated the assays which we obtained from the diorite through which we were driving our adit. The first indication of zinc was when we drove the short offshoot from the main adit near the end thereof. This was the first zinc found in this area. When finances permit we expect to follow this vein of zinc, lead, silver and gold as our assays went as high as two hundred fifty six dollars per ton. To work this ore we would need a concentrating mill as the freight rates to the smelter are exhirbitant. We have hundreds of tons of milling ore on the surface but it can not be called shipping ore.

We waited for somebody representing your office to come out and make a final inspection of the mine but nobody has shown up yet.

As soon as we can get the results of Dr. Forbes' sampling of the South slope of the hill and an adequate geologic map and appraisal of the adit and description of the ore mentioned in the letter we will forward the same to you. I can send you samples of the ore encountered in the adit in an offshoot if you so desire.

Sincerely yours,

~~BUSTY~~ BELLE MINES, INC.

By Warren A. Taylor

Warren A. Taylor, President

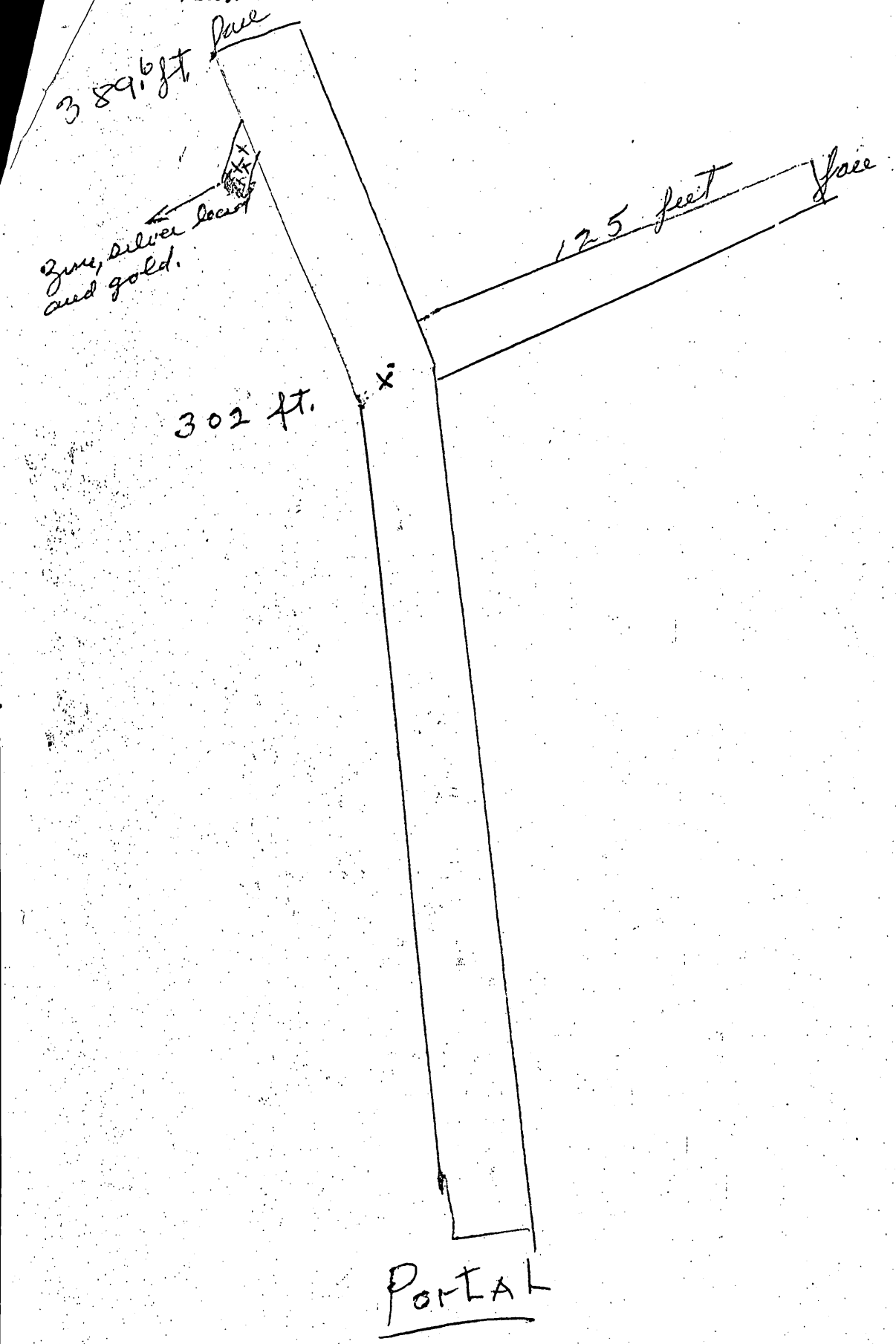
WAT/fs

Encl/ as cited

BUSTY BELLE MINES, INC.

212 Nerland Building
543 Third Avenue
Fairbanks, Alaska 99701

A. Taylor, Pres.
C. Rasor, V. Pres.-Treas.
n C. Burk, Sec'y.



Office of Minerals Exploration
345 Middlefield Road
Menlo Park, California 94025

January 25, 1968

INITIALS	CODE
gla	130
bcf	120
	110
	120 S

Mr. Warren A. Taylor
Busty Belle Mines, Inc.
212 Nerland Building
Fairbanks, Alaska 99701

Re: OME-6534 (Silver-Gold)
Busty Belle Mines, Inc.
Silvertone and Cottonwood Claims
Fairbanks Recording District, Alaska
Contract No. 2221

Dear Mr. Taylor:

Your Final Report on the subject contract was received in this office and a copy forwarded to Washington, D. C. on January 22, 1968. The report lacks an adequate geologic map and appraisal of the adit and a description of the ore mentioned in paragraph 4. None of the assays submitted indicate significant amounts of silver, gold, lead, or zinc. No estimate of ore reserves is included. Paragraph 7 mentions an ore shipment to the Selby smelter with good returns. When was this shipment made? If it was made since the OME contract was signed on June 23, 1966, the Government is entitled to a 5% royalty. May we have your reply concerning these deficiencies.

In reply to your question (in paragraph 8) concerning additional financial assistance, it would be difficult to justify expenditure of additional Government funds on the subject property because of the poor showings indicated by the completed work. However, if new favorable evidence of economic ore shoots is indicated by future work the OME would be willing to consider a new application. Descriptive literature and application forms are enclosed for your use if you wish to make a new application.

Sincerely yours,

H. K. Stager
Field Officer
OME, Region II

Enclosures

cc: Chief, OME, WDC
Dir RF
ACG RF
MP RF
Docket
HKStager:mlb 1-25-68

R. M. Chapman

IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

OFFICIAL COPY
O. M. E.
RECEIVED
JAN 24 1968

INITIALS	CODE
gla	150
	120
	110
RMA	120

Memorandum January 22, 1968

To: Chief, Office of Minerals Exploration
Washington, D. C.

From: Field Officer
Region II

Subject: OME-6534 (Silver-Gold)
Busty Belle Mines, Inc.
Silvertone and Cottonwood Claims
Fairbanks Recording District, Alaska
Contract No. 2221

Enclosed is the Operator's Final Report on the subject project. Only one copy of this poorly prepared report was submitted by the Operator, so we have made an additional copy for your files and one for the Field Office files. I recommend that the report be accepted as the best we can expect under the circumstances and the $200.00 withheld from the last voucher be paid. It is obvious that a significant discovery was not made by the contract work and a certification is not warranted. as a result of discovery

H. K. Stager

Enclosures

Report of Review issued June 1967 [illegible] work completed and [illegible] for [illegible] [illegible]

BUSTY BELLE MINES, INC.

212 Nerland Building
543 Third Avenue
Fairbanks, Alaska 99701

Warren A. Taylor, Pres.
~~John C. Rasor, Jr. Pres. Treas.~~
~~JoAnn C. Burk, Secy.~~

January 15, 1968

Office of Mineral Exploration
345 Middlefield Road
Menlo Park, California

Re: ~~O.M.E. 6543~~ OME-6534

Gentlemen:

This is to advise your office that Busty Belle Mines, Inc. completed the exploration work contemplated under the above numbered contract in April, 1967.

The work commenced on August 1, 1966 and the company drove a 5 x 7 drift 500 feet at a cost of $68.00 per foot.

The entire drift was in a diorite formation. Our assays show mineralization the entire length of the drift.

No ore of commercial value was found in the drift, however since the completion of the contract a cross cut was started and a vein 18 inches in width carrying good values in zinc, lead, silver and gold as per enclosed assay report. found in a [illegible]

The work was carried on efficiently, although due to climatic conditions during the Winter the work slowed down considerably, which caused a comparative increase in our cost per foot. Also due to the disastrous flood in August, 1967, no work was done on the property as all persons connected with our company had seriousdamage to their homes, and a short time in which to make repairs before the winter weather set in, and therefor little or no work has been done since the flood.

Our plans for the future provide for further drifting, stoping and sinking on the vein of zinc, lead, silver and gold encountered in the cross-cut when funds are available.

Our company has done a great amount of trenching on the claims disclosing good values in silver, lead and gold. One shaft was sunk on a vein for 40 feet which was increasing in width with depth. An adit was sunk on a vein for 40 feet and good values in silver, lead and gold which was shipped to the Selby smelter at San Francisco and good returns were received from the smelter.

We will appreciate it if you will advise us if we are eligible for an additional loan to prospect and explore the known veins on the

Operators Final Report

property. If so we would appreciate receiving the proper forms for such a loan. It appears that we received the sum of about $18,000.00 on the loan on the completed contract.

Attached hereto are assay reports and graph of our progress in the performance of the contract recently completed.

I might add that the U.S.G.S. became interested in a number of our claims on the Western part of the property and under the direction of Dr. Forbes of the University of Alaska, over a hundred borings were made over a large area of the claims. Dr. Forbes has not completed his assay report, but advises me this date that it will be in our hands in a very short time.

The annual meeting of the stockholders was held recently and directors were elected. All the directors were re-elected. The directors at their meeting following the stockholders meeting re-elected the officers who had served since the incorporation of the company.

The officers are Warren A. Taylor, President, Melvin Anderson, Vice-president, Tury F. Anderson, Director, Victor Rohrbaugh, Director and Carol C. Pundy, Secretary. Melvin Anderson is manager.

Sincerely yours,

Warren A. Taylor

Warren A. Taylor
President - Busty Belle Mines, Inc.

WAT/cp

Enclosures/as cited

RECEIVED
JAN 16 1968
OFFICE OF MINERALS EXPLORATION
U.S. GEOLOGICAL SURVEY
MENLO PARK, CALIF.

DM-11
Rev. 8/66

Report No. 1009

Date of Report Nov 27, 1967

STATE OF ALASKA
Department of Natural Resources
DIVISION OF MINES AND MINERALS
3001 Porcupine Drive, Anchorage, Alaska 99504

LABORATORY ANALYSIS REPORT

For Busty Belle Mines Inc. Address Rm 212 Nerland Bldg. Fairbanks

Number of Samples 2 Date Sample Received 7-17-67

Work Done:
A. X-ray fluorescence quant. ☐ , semi-quant. ☐
B. X-ray diffraction ☐
C. Spectrographic quant. ☐ , semi-quant ☒
D. Fire assay ☒
E. Identification ☐
F. Other ☐

Laboratory Number	Sample Marked	Analysis or Identification				
				Spectrographic Analysis		
		Gold (oz. per ton)	Silver (oz. per ton)	Major	Minor	Trace
33517	#2 74-79	nil	nil	Si	aluminum magnesium calcium iron sodium titanium	barium manganese strontium chronium 0.005% lead 0.01 copper 0.001 molubdenum 0.001 vanadium 0.008
33518	#2 79-84	Tr	nil	Si	aluminum magnesium calcium iron sodium titanium	barium manganese strontium lead 0.01 chromium 0.005% copper 0.001 vananium 0.008

Analyst

Analyst

Analyst

Approved: Paul L. Gardner

NOTE: Samples discarded after 60 days and pulps after 6 months unless instructed otherwise.

TRACE of GOLD is less than 0.01 oz.
TRACE of SILVER is less than 0.01 oz.

Major	Minor	Trace
(more than 10%)	(10% to 1%)	(less than 1%)

DM-11
Rev. 8/66

Report No. 1010

Date of Report ~~Nov 17, 1967~~

STATE OF ALASKA
Department of Natural Resources
DIVISION OF MINES AND MINERALS
3001 Porcupine Drive, Anchorage, Alaska 99504

LABORATORY ANALYSIS REPORT

For Busty Belle Mines Inc. Address Rm 212 Nerland Bldg. Fairbanks

Number of Samples 4 Date Sample Received 7-12-67

Work Done:
A. X-ray fluorescence quant. ☐ , semi-quant. ☐
B. X-ray diffraction ☐
C. Spectrographic quant. ☐ , semi-quant ☒
D. Fire assay ☐
E. Identification ☐
F. Other ☐

Laboratory Number	Sample Marked	Analysis or Identification		
		Spectrographic Analysis		
		Major	Minor	Trace
33409	51-52½	Si	aluminum magnesium titanium calcium iron sodium	silver-trace lead 0.006% manganese 0.1 chromium 0.005 copper 0.004
~~33410~~	~~52½-56~~	~~XXX~~	~~XXXXXXXX~~ ~~XXXXXXXX~~	
33410	52½-56	Si	aluminum magnesium titanium calcium iron sodium	silver-trace lead 0.006% manganese 0.1 chromium 0.005 copper 0.003
33411	56-61	Si	aluminum magnesium titanium calcium iron sodium	silver-trace lead 0.006% manganese .1 chromium 0.005 copper 0.003
33412	61-66	Si	aluminum magnesium titanium calcium ~~iron~~ sodium	silver-trace lead 0.006% manganese .1 chromium 0.005 ~~copper 0.002~~

Analyst

Analyst

Analyst

Approved: Paul L. Gandin

NOTE: Samples discarded after 60 days and pulps after 6 months unless instructed otherwise.

TRACE of GOLD is less than 0.01 oz.
TRACE of SILVER is less than 0.01 oz.

Major	Minor	Trace
(more than 10%)	(10% to 1%)	(less than 1%)

DM-11
Rev. 8/66

Report No. 1011

Date of Report Nov 27, 1967

STATE OF ALASKA
Department of Natural Resources
DIVISION OF MINES AND MINERALS
3001 Porcupine Drive, Anchorage, Alaska 99504

LABORATORY ANALYSIS REPORT

For Busty Belle Mines Inc. Address Rm 212 Nerland Bldg. Fairbanks

Number of Samples 3 Date Sample Received 7-7-67

Work Done:
A. X-ray fluorescence quant. ☐ , semi-quant. ☐
B. X-ray diffraction ☐
C. Spectrographic quant. ☐ , semi-quant ☒
D. Fire assay ☒
E. Identification ☐
F. Other ☐

Laboratory Number	Sample Marked	Analysis or Identification				
				Spectrographic Analysis		
		Gold (oz. per ton)	Silver (oz. per ton)	Major	Minor	Trace
33510	#2 44-49	0.01	0.35	Si magnesium aluminum	magnesium iron calcium sodium titanium	manganese 0.01% lead 0.01 chromium 0.005 copper 0.008 vanadium-trace molybdenum 0.001 tantalum 0.001
33511	#2 49-51½	Tr	0.46	Si aluminum	magnesium iron calcium sodium titanium	manganese 0.01% tantalum 0.01 lead 0.01 chromium 0.005 copper 0.004 vanadium-trace
33512	#2 51½-56	Tr	0.38	Si	aluminum magnesium iron calcium sodium titanium	barium manganese chromium 0.005% copper 0.004 lead 0.01 molybdenum 0.001 vanadium 0.008

Analyst

Analyst

Analyst

Approved: Paul L. Goldsmith

NOTE: Samples discarded after 60 days and pulps after 6 months unless instructed otherwise.

DM-11
Rev. 8/66

Report No. 1016

Date of Report Nov 27, 1967

STATE OF ALASKA
Department of Natural Resources
DIVISION OF MINES AND MINERALS
3001 Porcupine Drive, Anchorage, Alaska 99504

LABORATORY ANALYSIS REPORT

For Busty Belle Mines Inc. Address Rm 212 Nerland Bldg. Fairbanks

Number of Samples 3 Date Sample Received 7-17-67

Work Done:
A. X-ray fluorescence quant. ☐ , semi-quant. ☐
B. X-ray diffraction ☐
C. Spectrographic quant. ☐ , semi-quant ☒
D. Fire assay ☒
E. Identification ☐
F. Other ☐

Laboratory Number	Sample Marked	Analysis or Identification				
				Spectrographic Analysis		
		Gold (oz. per ton)	Silver	Major	Minor	Trace
33498	Hole #2 0-2½	Tr	0.28	Silicon	magnesium iron aluminum titanium calcium sodium	manganese barium lead 0.006 chromium vanadium copper 0.001
33499	Hole #2 2½-4	0.04	0.50	Silicon	magnesium iron aluminum titanium calcium sodium	manganese barium lead 0.006 chromium vanadium copper 0.001 molybdenum 0.006
33500	Hole # 2 4-9	0.01	0.30	Silicon	magnesium iron aluminum titanium calcium sodium	manganese barium chromium vanadium lead 0.006 copper 0.001

Analyst

Analyst

Analyst

Approved: Paul L. Gaudin

NOTE: Samples discarded after 60 days and pulps after 6 months unless instructed otherwise.

DM-11
Rev. 8/66

Report No. 1017

Date of Report Nov 27, 1967

STATE OF ALASKA
Department of Natural Resources
DIVISION OF MINES AND MINERALS
3001 Porcupine Drive, Anchorage, Alaska 99504

LABORATORY ANALYSIS REPORT

For Busty Belle Mines Inc. Address RM 212 Nerland Bldg. Fairbanks

Number of Samples 2 Date Sample Received 7-12-67

Work Done:
A. X-ray fluorescence quant. ☐ , semi-quant. ☐
B. X-ray diffraction ☐
C. Spectrographic quant. ☐ , semi-quant ☒
D. Fire assay ☐
E. Identification ☐
F. Other ☐

Laboratory Number	Sample Marked	Analysis or Identification		
		Spectrographic Analysis		
		Major	Minor	Trace
33431	Sledge 105-110	Silicon	aluminum magnesium iron titanium sodium	barium 0.2 manganese 0.1 lead 0.006 copper 0.001 tin 0.1 vanadium 0.006 nickel 0.007
33432	Sledge 110-120	Silicon	aluminum magnesium iron titanium sodium	barium .2 manganese 0.1 lead-nil copper 0.001 vanadium 0.006 nickel 0.007

Analyst

Analyst

Analyst

Approved: Paul L. Gnidec

NOTE: Samples discarded after 60 days and pulps after 6 months unless instructed otherwise.

DM-11
Rev. 8/66

Report No. 1018

Date of Report Nov 27, 1967

STATE OF ALASKA
Department of Natural Resources
DIVISION OF MINES AND MINERALS
3001 Porcupine Drive, Anchorage, Alaska 99504

LABORATORY ANALYSIS REPORT

For Busty Belle Mines Inc. Address Rm 212 Nerland Bldg. Fairbanks

Number of Samples 3 Date Sample Received 7-12-67

Work Done:
A. X-ray fluorescence quant. ☐ , semi-quant. ☐
B. X-ray diffraction ☐
C. Spectrographic quant. ☐ , semi-quant ☒
D. Fire assay ☐
E. Identification ☐
F. Other ☐

Laboratory Number	Sample Marked	Analysis or Identification		
		Spectrographic Analysis		
		Major	Minor	Trace
33428	Sledge 91-96	Silicon	aluminum magnesium iron calcium titanium sodium	barium 0.2 % manganese lead-nil vanadium 0.006 copper 0.001
33429	Sledge 96-101	Silicon	aluminum magnesium iron calcium titanium sodium	copper 0.001% barium 0.2 manganese 0.1 lead 0.006 tin 0.01 vanadium 0.001
33430	Sledge 101-105	Silicon	aluminum magnesium iron calcium titanium sodium	barium 0.2 manganese 0.1 lead 0.006 tin 0.01 vanadium 0.006 copper 0.001

Analyst

Analyst

Analyst

Approved: Paul L. Gaudin

NOTE: Samples discarded after 60 days and pulps after 6 months unless instructed otherwise.

DM-11
Rev. 8/66

Report No. 1019

Date of Report Nov 27, 1967

STATE OF ALASKA
Department of Natural Resources
DIVISION OF MINES AND MINERALS
3001 Porcupine Drive, Anchorage, Alaska 99504

LABORATORY ANALYSIS REPORT

For Busty Belle Mines Inc. Address Rm 212 Nerland Bldg. Fairbanks

Number of Samples 3 Date Sample Received 7-12-67

Work Done:
A. X-ray fluorescence quant. ☐ , semi-quant. ☐
B. X-ray diffraction ☐
C. Spectrographic quant. ☐ , semi-quant XX
D. Fire assay ☐
E. Identification ☐
F. Other ☐

Laboratory Number	Sample Marked	Analysis or Identification		
		Spectrographic Analysis		
		Major	Minor	Trace
33425	Sledge 81-87	Silicon	aluminum magnesium iron calcium titanium sodium	barium manganese 0.1% lead 0.006 vanadium 0.006 copper 0.001 tin 0.003
33426	Sledge 87-110	Silicon	aluminum magnesium iron calcium titanium sodium	barium manganese 0.1% lead 0.006 vanadium 0.006 copper 0.001
33427	Sledge 87-91	Silicon	aluminum magnesium iron calcium titanium sodium	barium manganese 0.1% lead 0.006 tin 0.01 vanadium 0.006 copper 0.001

Analyst

Analyst

Analyst

Approved: Paul L. Cole

NOTE: Samples discarded after 60 days and pulps after 6 months unless instructed otherwise.

DM-11
Rev. 8/66

Report No. 1020

Date of Report Nov 27, 1967

STATE OF ALASKA
Department of Natural Resources
DIVISION OF MINES AND MINERALS
3001 Porcupine Drive, Anchorage, Alaska 99504

LABORATORY ANALYSIS REPORT

For Busty Belle Mines Inc. Address Rm 212 Nerland Bldg. Fairbanks

Number of Samples 3 Date Sample Received 7-12-67

Work Done:
A. X-ray fluorescence quant. ☐ , semi-quant. ☐
B. X-ray diffraction ☐
C. Spectrographic quant. ☐ , semi-quant ☒
D. Fire assay ☐
E. Identification ☐
F. Other ☐

Laboratory Number	Sample Marked	Analysis or Identification		
		Spectrographic Analysis		
		Major	Minor	Trace
33422	110-115	Silicon	aluminum calcium sodium titanium magnesium	barium 0.2 manganese 0.1 lead 0.006 chromium0.01 copper 0.001 silver-nil
33423	115-120	Silicon	calcium aluminum magnesium iron titanium	sodium barium 0.2 manganese 0.1 lead 0.006 chromium 0.01 copper 0.001 silver-nil
33424	Sledge 37-81	Silicon	calcium aluminum magnesium iron titanium	sodium barium 0.2 manganese 0.1 lead 0.006 chromium 0.1 copper 0.001 silver-trace

Analyst

Analyst

Analyst

Approved: Paul L. Gordon

NOTE: Samples discarded after 60 days and pulps after 6 months unless instructed otherwise.

DM-11
Rev. 8/66

Report No. 1021

Date of Report Nov 27, 1967

STATE OF ALASKA
Department of Natural Resources
DIVISION OF MINES AND MINERALS
3001 Porcupine Drive, Anchorage, Alaska 99504

LABORATORY ANALYSIS REPORT

For Busty Belle Mines Inc. Address Rm 212 Nerland Bldg. Fairbanks

Number of Samples 3 Date Sample Received 7-17-67

Work Done:
A. X-ray fluorescence quant. ☐ , semi-quant. ☐
B. X-ray diffraction ☐
C. Spectrographic quant. ☐ , semi-quant ☒
D. Fire assay ☒
E. Identification ☐
F. Other ☐

Laboratory Number	Sample Marked	Analysis or Identification				
				Spectrographic Analysis		
		Gold (oz. per ton)	Silver	Major	Minor	Trace
33507	#2 37½-38	Tr	0.32	Silicon	magnesium iron aluminum calcium sodium	manganese 0.01% chromium 0.005 molybdemum 0.01 lead 0.006 copper 0.006 vanadium-trace
33508	#2 38-39	0.04	~~XXXX~~ 0.64	Silicon	magnesium iron aluminum calcium sodium	magnesium 0.01% chromium 0.005 lead 0.006 copper 0.004 vanadium-trace
33509	#2 39-44	Trace	0.22	Silicon aluminum	magnesium iron calcium sodium	manganese 0.01% lead 0.006 chromium 0.005 vanadium-trace

Analyst

Analyst

Analyst

Approved: Paul L. Gladden

NOTE: Samples discarded after 60 days and pulps after 6 months unless instructed otherwise.

DM-11
Rev. 8/66

Report No. 1022

Date of Report Nov 27, 1967

STATE OF ALASKA
Department of Natural Resources
DIVISION OF MINES AND MINERALS
3001 Porcupine Drive, Anchorage, Alaska 99504

LABORATORY ANALYSIS REPORT

For Busty Belle Mines Inc. Address Rm 212 Nerland Bldg. Fairbanks

Number of Samples 3 Date Sample Received 7-17-67

Work Done:
A. X-ray fluorescence quant. ☐ , semi-quant. ☐
B. X-ray diffraction ☐
C. Spectrographic quant. ☐ , semi-quant ☒
D. Fire assay ☒
E. Identification ☐
F. Other ☐

Laboratory Number	Sample Marked	Analysis or Identification				
				Spectrographic Analysis		
		Gold (oz. per ton)	Silver	Major	Minor	Trace
33501	#2 9-14	0.02	0.32	Silicon	magnesium iron aluminum calcium sodium titanium	manganese barium chromium vanadium lead 0.006 molybdenum 0.006 copper 0.001
33502	#2 14-19	Tr	0.24	Silicon	magnesium iron aluminum titanium calcium sodium	manganese barium chromium vanadium lead 0.006 copper 0.001
33503	#2 19-24	0.01	0.28	Silicon	magnesium iron titanium aluminum calcium sodium	manganese barium chromium vanadium copper 0.001

Analyst

Analyst

Analyst

Approved: Paul L. Gardner

NOTE: Samples discarded after 60 days and pulps after 6 months unless instructed otherwise.

DM-11
Rev. 8/66

Report No. 1023

Date of Report Nov 27, 1967

STATE OF ALASKA
Department of Natural Resources
DIVISION OF MINES AND MINERALS
3001 Porcupine Drive, Anchorage, Alaska 99504

LABORATORY ANALYSIS REPORT

For Busty Belle Mines Address Rm 212 Nerland Bldg. Fairbanks

Number of Samples 3 Date Sample Received 7-17-67

Work Done:
A. X-ray fluorescence quant. ☐ , semi-quant. ☐
B. X-ray diffraction ☐
C. Spectrographic quant. ☐ , semi-quant ☒
D. Fire assay ☒
E. Identification ☐
F. Other ☐

Laboratory Number	Sample Marked	Analysis or Identification				
				Spectrographic Analysis		
		Gold (oz. per ton)	Silver (oz. per ton)	Major	Minor	Trace
33504	Hole # 2-24-29	0.04	0.42	Silicon	aluminum magnesium iron calcium sodium	manganese 0.01 lead 0.024 chrmium 0.005 copper 0.003
33505	#2 29-34	0.01	0.29	Silicon	aluminum magnesium iron calcium sodium	manganese lead 0.01 chrmium 0.005 copper 0.004 molybdenum 0.001
33506	#2 34-37½	Tr	0.46	Silicon		Manganese 0.01 lead 0.006 chrmium 0.005 copper 0.002 molybdenum 0.001

Analyst

Analyst

Analyst

Approved: Paul L. Conder

NOTE: Samples discarded after 60 days and pulps after 6 months unless instructed otherwise.

ATTACHMENT

Accounts Receivable

July 15/67 JE 21 Charge made to account 502 Cost of Sales and Credit to Accounts Receivable 105 for $ 3,384.04 to reconcile O.M.E. deferred receivable with actual balance.

Ledger shows Government share of O.M.E. Contract as $ 21,375.00. As per bank deposits and account 105 only $ 17,790.96 was received.

Why was O.M.E. omitted as a long term liability. If mine becomes productive amount must be repaid.

Goodwill of $ 47,840.00 is comprised of organization costs (which also included misc. supplies and services) plus a stock bonus of 3,177 shares @ $ 10.00 each on June 9/67 to stockholders of record.

Accounts Payable consists mostly of the cost of mining claims still owed. Amounts reflected as owed in accounts payable Journal are:

	Western Tractor	$ 25.73	
	Miller Bentley	4,575.60	
(Paid)	Boreal Enterprises	163.00	
	Southeast Petroleum	582.70	
($200.00 pd. not debited)	Standard Oil Company	518.53	(318.53)
	Yukon Equipment Company	192.78	
	Jessens Weekly	(.10)	
	Sig Wold	378.88	
	Warren Taylor	24.76	
	Victor Rohrbaugh	13.73	
(Paid)	Northland Wood Products	45.85	
	Tury Anderson	36,000.00	
		$ 42,521.46	
	Balance as per Control Account	42,118.61	
	Difference	$ 402.85	
	Amounts paid not shown in detail Journal	408.85	
	leaving a balance in accounts payable	$ 42,112.61	

Equipment Consists of Depreciated Value

	COST	½YR DEPREC.	NET
Gardner Denver Liner	$ 1,125.00	$ 112.50	
Witte Diesel Light Plant	1,800.00	180.00	
Mucker-Air Hydraulic	3,000.00	300.00	
Mine Cars (2 each)	2,000.00	200.00	
Trammer - Power	2,000.00	200.00	
Compresser - Diesel	3,650.00	365.00	
Air Drill	100.00	10.00	
Caterpillar Starting Engine	250.00	25.00	
315 CF Air Compresser Worthington	3,670.00	367.00	
	$ 17,595.00	$	$ 15,835.50

BUSTY BELLE MINES INC.

DEPOSITS

Date		Bank Deposits as per Statement	Stock Sales & Other	O.M.E. Payments
1965				
11/29		$ 13,500.00	$ 13,500.00	
1966				
3/14		500.00	500.00	
4/11	Stock (Refunded as per JE 24-1966) (See also JE 25 & 37)	334.00	334.00	
5/25		200.00	200.00	
6/15		1,000.00	1,000.00	
9/23	Note - Alaska State Bank	2,000.00	2,000.00	
9/30		1,004.55		
10/4		1,000.00		
10/25	John C. Rasor - Loan	800.00	800.00	
10/26	Warren Taylor	25.00	25.00	
10/27		800.00		
10/29		7,696.57		$ 7,696.57
11/15	Warren Taylor	1,000.00	1,000.00	
11/30		1,975.63		1,975.63
12/30		1,816.25		1,816.25
1967				
1/26		1,370.63		1,370.63
2/23		1,402.50		1,402.50
3/31		2,040.00		2,040.00
4/				
5/29		892.50		892.50
6/2	William Ackiss 100 shares	1,000.00	1,000.00	
6/6		596.88		596.88
6/22	Pat Krebs 100 shares	1,000.00	1,000.00	
7/13	Mullahy 300 shares	3,000.00	3,000.00	
				$ 17,790.96

BUSTY BELLE MINES INC.
PROFIT and LOSS STATEMENT
For 11 month period ending November 30, 1967

Income		none
Cost of Sales	$ 2,328.53	
Gross Profit		$ (2,328.53)
Operating Expenses		
Contract Labor	$ 4,100.00	
Mining Supplies	1,539.12	
Repairs & Maint of Machinery	2,491.00	
Misc Mining Expense	36.00	
Office Supplies	1.75	
Legal Accounting	1,050.00	
Depreciation Mining Equipment	14,930.25	
Taxes & License	17.55	
Insurance Expense	472.80	
Employers Payroll Taxes	228.84	
Interest Expense	33.24	
Bank Service Charge	2.50	
Over/Short	(.21)	
		$ 24,902.84
Net Profit (Loss)		$(27,231.37)

BUSTY BELLE MINES INC.
BALANCE SHEET
November 30, 1967

ASSETS			
Current Assets			
Cash - Alaska State Bank	$ 589.35		
Accounts Receivable	200.00		
Mining Supplies & Tools	2,422.39		
TOTAL CURRENT ASSETS			$ 3,211.74
Fixed Assets			
Mining Equipment & Vehicles (depreciated value)		$ 15,935.50	
Mining Claims		35,000.00	
TOTAL FIXED ASSETS			50,935.50
Other Assets			
Goodwill			47,840.00
TOTAL ASSETS			$101,987.24
LIABILITIES & CAPITAL			
Current Liabilities			
Accounts Payable		$ 42,118.61	
Capital & Undivided Profits			
Capital Stock Authorized $300,000.00			
Capital Stock Issued	$ 87,100.00		
Undivided Profits (loss)	(27,231.37)		
		59,868.63	
			$101,987.24

OPTIONAL FORM NO. 10
MAY 1962 EDITION
GSA GEN. REG. NO. 27

5010-107

UNITED STATES GOVERNMENT

Memorandum

OFFICIAL COPY
O. M. E.
RECEIVED
DEC 13 1967

INITIALS	CODE
gla	130
bff	120 M
[illegible]	140
RMS	120 S

TO : H. K. Stager, OME Field Officer, Menlo Park, California

DATE: December 6, 1967

FROM : Robert M. Chapman, College, Alaska

SUBJECT: Busty Belle Mines, Inc. OME-6534.

I talked with Tury Anderson several days ago and he informed me that he was trying to get everything together to submit a final report on the Busty Belle project. The report supposedly was ready months ago, but it seems that no one made it their business to actually get it off to you. I believe that you can expect to have it within a couple of weeks or less from what Tury Anderson said.

With all the other activities here, I have not been out to the property this fall. The road has not been plowed recently, but I understand they plan to do this soon. When it is again easily accessible I will go out again, but as far as OME is concerned I cannot interpret that any significant discovery has been made. Really only one sulfide showing was found, and from all appearances it has no economic potential for normal mining. They may be able to recover a few tons if it does continue into the wall, but I think that the work performed has demonstrated that the sulfide showings, both in the previous surface and underground workings and in the OME adit and crosscut, are small discontinuous pods that could not be profitably worked for lead-silver by either underground or open pit methods. As soon as I can get back to it, I will finish a map that I have to summarize for you the pertinent information.

Bob

P.S. - Just received the OME pamphlets. Thank you.

RECEIVED
DEC 8 1967
OFFICE OF MINERALS EXPLORATION
U.S. GEOLOGICAL SURVEY
MENLO PARK, CALIF.

Buy U.S. Savings Bonds Regularly on the Payroll Savings Plan

MME Form 7
(2/63)

OFFICIAL FILE COPY

Date	Surname	Code
10/24/67	RSmith	120
10/24/67	Kirkemo	120
		110
10/24	cae	220
		120M

AIRMAIL

Busty Belle Mines, Inc.
212 Morland Building
Fairbanks, Alaska 99701

Re: OME-6534 (Silver-Gold)
Busty Belle Mines, Inc.
Silvertone and Cottonwood Claims
Fairbanks Recording District, Alaska
Contract 2221

Gentlemen:

Please refer to your letter of August 8, 1967 to Mr. Stager informing him that you are awaiting a final inspection before submitting your final report on the completed project. Actually, an inspection is not required before the report is submitted. Inasmuch as we are holding $200.00 due you pending receipt of a satisfactory final report, it will be to our mutual advantage to submit it as promptly as possible. Three copies of the report should be mailed to Mr. H. K. Stager, Office of Minerals Exploration, U. S. Geological Survey, Bldg. 2, 345 Middlefield Road, Menlo Park, California 94025.

Sincerely yours,

FRANK E. JOHNSON

Frank E. Johnson,
Chief, Office of
Mineral Exploration

cc: Director's Reading File
Division Fil;e
Economic Geology File
OME File
OME Reading File
Mr. Smith
Region II

RSmith/bsl 10-24-67

23263

Memorandum

August 14, 1967

OFFICIAL COPY
O. M. E.
RECEIVED
AUG 16 1967

To: Robert M. Chapman
Alaskan Geology Branch

From: H. K. Stager
OME, Region II

Subject: OME-6534 (Silver-Gold)
Busty Belle Mines, Inc.
Silvertone and Cottonwood Claims
Fairbanks Recording District, Alaska
Contract No. 2221

Enclosed is a copy of a letter from Mr. Taylor, president of Busty Belle Mines, dated August 8, 1967.

At your earliest opportunity will you please visit the Busty Belle mine and give us your impressions regarding the "ore" found by the OME and subsequent exploration. Is the "large vein" at 500 feet from the entrance to the adit the same shoot described in your memo of May 17, 1967, or is it a new and larger discovery?

We should have your recommendations as to possible certification. Did the OME work result in the discovery of sufficient reserves so that development and production are justified? As a rough rule-of-thumb—if production of sufficient value to yield the Government at least $1,000 in royalty payments over the next 10 years ($20,000 worth of ore) appears possible we will probably issue a Certificate of Possible Production, but if production is likely to be less than this amount it is not worth the trouble.

H. K. Stager

Enclosure (1)

cc:
Chief, OME, WDC
Dir RF
ACG RF
MR RF
Docket
HKStager:mlb
8-14-67

WARREN A. TAYLOR
ATTORNEY AT LAW
212 NERLAND BUILDING
P. O. BOX 200
FAIRBANKS, ALASKA 99701
TELEPHONE 452-3170

August 8, 1967

Office of Mineral Exploration
345 Middlefield Road
Menlo Park, California 94025

6534

Re: O.M.E. (Silver-Gold)
Silvertone & Cottonwood Claims
Fairbanks, Alaska
Contract No. 2221

Dear Mr. Stager:

We have been ready to submit our final report on the Busty Belle project for the past six weeks, but have been awaiting the final inspection by a representative of your office. I understood that this must be done before we submitted our final report.

We are now working on getting the project in production and are now finishing our ore bin. We hit a fairly large vein with high values with our last round of shots at 500 feet from the entrance to the adit. Ore assayed 32% zinc; 15% lead; 33 oz. silver; and 1 oz. gold.

We were under the impression that Mr. Chapman would make the final inspection.

Sincerely yours,

Warren A. Taylor

Warren A. Taylor
President - Busty Belle Mines

WAT/cp

RECEIVED
AUG 1 . 1967
OFFICE OF MINERALS EXPLORATION
U.S. GEOLOGICAL SURVEY
MENLO PARK, CALIF.

Form 7
(63)

OFFICIAL FILE COPY

Date	Surname	Code
6/22/67	R. H. Smith	120
6/23/67	Kirkham	120
		110
6/23	Cac	220
		120M

JUN 23 1967

Memorandum

To: Chief, Branch of Budget and Finance

From: Chief, Office of Minerals Exploration

Subject: OME-6534 (Silver-Gold)
Busty Belle Mines, Inc.
Silvertone and Cottonwood Groups of Claims
Fairbanks Precinct, Alaska
Contract 2221

Enclosed is a copy of a letter dated June 19, 1967, from the Field Officer, Region II, transmitting to the Operator a copy of the Report of Review issued in June 1967 on the subject contract. A copy of the report also is enclosed. In accordance with the report and as noted in the Field Officer's letter, the amount of $200.00 should continue to be withheld from payment to the Operator until its final report is received.

FRANK E. JOHNSON

Frank E. Johnson

Enclosures

cc: Director's Reading File
Division File
Economic Geology File
OME Docket
OME Reading File
OME Region II (2)
Mr. Smith

GLAult/a 6-22-67

23263

Office of Minerals Exploration
345 Middlefield Road
Menlo Park, California 94025

June 19, 1967

Mr. Warren A. Taylor
Busty Belle Mines, Inc.
P.O. Box 200
Fairbanks, Alaska 99701

OFFICIAL COPY
O. M. E.
RECEIVED
JUN 21 1967

INITIALS	CODE
gla	120
	410
	120 S

Re: OME-6534 (Silver-Gold)
Busty Belle Mines, Inc.
Silvertone and Cottonwood Claims
Fairbanks Recording District, Alaska
Contract No. 2221

Dear Mr. Taylor:

Enclosed is a copy for your files of a Report of Review covering your OME contract. The facts presented agree with the records in the Field Office and I concur in the report.

When your Final Report is received the balance of $200 due you will be paid. A suggested outline for your guidance in preparing your Final Report is also enclosed.

Sincerely yours,

H. K. Stager
Field Officer
OME, Region II

Enclosures

cc: R. M. Chapman
Chief, OME, WDC (2)
D RF
ACG RF
MP RF
Docket
HKStager:mlb
6-19-67

P. M. CRISMON, PRES.

CRISMON & NICHOLS

ASSAYERS AND CHEMISTS

229-231 SOUTH WEST TEMPLE STREET

PHONE 363-7417

P. O. BOX 1708

SALT LAKE CITY, UTAH 84110

REPORT OF ASSAY

June 12, 1967

S. Geological Survey - Office of Mineral Exploration - H. K. Stager

HAVE ASSAYED YOUR three SAMPLES AND FIND them TO CONTAIN AS FOLLOWS:

DESCRIPTION	~~DEP.~~	OZS. GOLD PER TON	OZS. SILVER PER TON	PER CENT LEAD	PER CENT COPPER	PER CENT ZINC	PER CENT ~~XXXXXX~~ Arsenic	PER CENT ~~XXXXXX~~	PER CENT Antimony	VALUE OF GOLD PER TON
- ACh - 11	1.2'	0.18	34.20	19.00	0.15	9.95	1.68		0.31	~~$ 6.30~~
- ACh - 12	3"	0.12	19.10	11.50	0.41	15.10	1.33		0.31	~~$ 4.20~~
- ACh - 14		0.14	27.05	12.55	0.26	10.20	1.92		0.52	~~$ 4.90~~

REMARKS:

CHARGES $ 52.50

CRISMON & NICHOLS

By P. M. Crismon

Busty Belle Mine

OME- 6534

Samples By R. M. Chapman

See Memo of June 6, 1967

MME Form 7
(2/63)

OFFICIAL FILE COPY

Date	Surname	Code
6/15/67	RM Smith	120
6/16/67	Kirkemo	120
		110
		220M
		120M

AIRMAIL

Memorandum

JUN 16 1967

To: Field Officer, Region II

From: Chief, Office of Minerals Exploration

Subject: OME-6534 (Silver-Gold)
Rusty Belle Mines, Inc.
Silvertone and Cottonwood Groups of Claims
Fairbanks Precinct, Alaska
Contract 2221

Enclosed are the Field Office's and Operator's copies of a Report of Review issued in June 1967. An extra copy of the report is enclosed for field use.

If you concur in the facts as stated in this report, one copy should be sent to the Operator with any comments you may care to make, and the other copy retained for your files. As evidence of your concurrence, two copies of your letter transmitting the Operator's copy of the report should be furnished this office. If for any reason you do not concur, both copies of the report should be returned to this office with appropriate comments.

FRANK E. JOHNSON

Frank E. Johnson

Enclosures

cc: Director's Reading File
Division File
Economic Geology File
OME Docket
OME Reading File
Mr. Smith
130

GLAult/a 6-15-67

23263

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF THE SECRETARY
WASHINGTON, D.C. 20240

JUN 9 1967

Memorandum

To: Director, U.S. Geological Survey

From: Assistant Director, Contract and Grant Audit
Audit Operations, Office of Survey and Review

Subject: Review of Contract 2221
Docket No. OME-6534 (Silver-Gold)
Busty Belle Mines, Inc., (Operator)
Silvertone and Cottonwood Groups of Claims
Fairbanks Precinct, Alaska

Pursuant to a request dated April 21, 1967, from the Chief, Office of Minerals Exploration, we have made a cost review of Contract 2221, examining the contract and accounting records and files of OME and the Branch of Budget and Finance, U.S. Geological Survey.

Four copies of the report of review are attached.

Donald R. Moyer

Enclosures

OPTIONAL FORM NO. 10
MAY 1962 EDITION
GSA GEN. REG. NO. 27

5010-106

UNITED STATES GOVERNMENT

Memorandum

OFFICIAL COPY
O. M. E.
RECEIVED
JUN 1967
INITIALS CODE
DATE: June 6, 1967
glc 120
110
1205
HK
OME 6534

TO : H. K. Stager
OME, Menlo Park

FROM : Robert M. Chapman
Alaskan Geology Branch, College

SUBJECT: Samples from Busty Belle adit; ref. your memo of 5/26/67

Per your suggestion, I am sending the following listed 3 samples from the sulfide showing in the Busty Belle adit for assay. They should be run for Au, Ag, Pb, Zn, Cu, As, and Sb at least. Cd has been reported, so this should be checked. Mo, W, and Sn probably should be checked too, although I doubt that they are present in more than trace amounts in these samples.

67ACh-11 -- Channel sample across 1.2-foot width of sulfide in a shear zone, includes selvage gouge. From one foot below back in the south wall of main adit, about 370 feet from portal.

67ACh-12 -- Channel sample across 3-inch width of sulfide pod in a shear zone 2 feet above sill in south wall of main adit, about 367 feet from portal.

67ACh-14 -- Split of a sample taken by operators from sulfide zone in same general location as the 2 samples above. This sample was originally submitted by the operators to the State Division of Mines and Minerals, and a split was assayed by them. As yet I do not have a report of their results.

Bob

RECEIVED
JUN 8 1967
OFFICE OF MINERALS EXPLORATION
U.S. GEOLOGICAL SURVEY
MENLO PARK, CALIF.

MME Form 7
(2/63)

OFFICIAL FILE COPY

Date	Surname	Code
5/17	[illegible]	
5/17/67	Kirkemo	

MAY 17 1967

Memorandum

To: Chief, Branch of Budget and Finance

From: Chief, Office of Minerals Exploration

Subject: CME-6534 (Silver-Gold)
Rusty Belle Mines, Inc.
Silvertone and Cottonwood Groups of Claims
Fairbanks Precinct, Alaska
Contract 2221

Enclosed are the original and two copies of the final Operator's Monthly Voucher (April 1967). Please withhold $200.00 from payment of this voucher pending receipt of an acceptable Operator's Final Report.

FRANK E. JOHNSON

Frank E. Johnson

Enclosures

cc: Director's Reading File
Division File
Econ. Geol. File
OME Docket
OME Reading File
Region II (2)

MMerrithew/mm (5/17/67)

23263

OPTIONAL FORM NO. 10
MAY 1962 EDITION
GSA GEN. REG. NO. 27

5010-108

UNITED STATES GOVERNMENT

Memorandum

OFFICIAL COPY
O. M. E.
RECEIVED
MAY 26 1967

INITIALS	COMM
	~~HO~~
JEG	~~HO~~
RMS	120

TO : H. K. Stager
OME, Menlo Park

DATE: May 17, 1967

FROM : Robert M. Chapman
Alaskan Geology Branch, College

SUBJECT: Busty Belle Mines, Inc. Interim Inspection OME-6534

I visited the Busty Belle adit yesterday afternoon together with Bob Forbes of the University of Alaska Geology Dept. None of the operators ~~were there~~ at the time, as work has been halted temporarily due to a burned out compressor bearing.

As I suspected the newspaper accounts are highly inaccurate and exaggerated. Note the latest one enclosed.

The showing of sulfides is in the south wall of the main adit (the south branch from the Y) between 366 and 373 feet in from the portal. The present face is at 383 feet. The sulfides appear to be arsenopyrite, pyrite, sphalerite, and galena and are associated with calcite. The metallization is lenticular or pod-like within a brecciated shear or fractured zone, and possibly has been localized where 2 of these zones that trend N. 70° W. and N. 85° W. intersect. Where exposed in the adit these zones are generally less than 1 foot in thickness and show little or no visible sulfide, which is why this showing was not detected earlier. In fact, Mel Anderson sampled across the N. 85° W. zone in the adit face last December when I visited the mine, and it is my understanding that the sample was barren of Pb, Ag, and Au.

The greatest thickness of sulfide now exposed in the wall is 12 to 14 inches, and the description of "one foot in diameter" is not far from the truth. Sulfide can be traced along this zone for 3 to 4 feet, pinching out in both directions. Another sulfide show, about 3 inches in thickness, is exposed in the other zone and near the sill.

I collected 3 samples, and also have a split of a sample that the operators submitted to the State Assay Office. Where can we send these 4 samples for a reasonably prompt assay and analysis? The last samples I sent to Denver took over 4 months, and I understand there is still a big backlog there. The State Office will run these for us, but I would like to have a check by some other operator.

I will bring the Busty Belle map up to date, and send you copies as soon as possible.

Enclosure

RECEIVED
MAY 22 1967
OFFICE OF MINERALS EXPLORATION
U.S. GEOLOGICAL SURVEY
MENLO PARK, CALIF.

Bob

OME-6539

Nuggeteer

(Continued from page 1)

banks and A-67 in conjunction with that engagement.

The Democrats are also financing a series of political polls from a person of high repute. These polls reportedly will guide the Democrats on strategy and selection of best possible candidates.

BUSTY BELLE TO OFFER STOCK—What a lot of people don't know is that the strike last week at the Busty Belle was made on the last dynamite shot.

The contract financed in part by the Office of Mineral Exploration of the Interior Department to construct a tunnel to cross-cut veins under the surface was complete. The officials of Busty Belle had the mining crew to move back 28 feet from the end of the tunnel and blast a space for the placing of a diamond drill to be put in later. It was that blast that uncovered the find of zinc, lead, silver and some gold.

The Busty Belle corporation is now planning to offer about $30,000 in stock at $10 a share. The stock will first be offered to the present stockholders and if all of it is not sold, the remainder will be offered to the public.

DAIRY OPERATION — The

UNITED STATES GOVERNMENT

2-Way Memo

Subject: "Busty Belle" Mine

Hal: where does this belong? Why not send to OME. Thor

RMJ

DATE OF MESSAGE 5/15/67

DATE OF REPLY

INSTRUCTIONS
Use routing symbols whenever possible.
SENDER:
Forward original and one copy. Conserve space.
RECEIVER:
Reply below the message, keep one copy, return one copy.

To: Harold L James, Chief Geologist
U. S. Geological Survey
Room 4243, GSA Bldg.,
Washington, D. C. 20242

~~APPROVED~~ Noted
MAY 18 1967
DIRECTOR

With thanks

5027-101

FOLD — FOLD

USE BRIEF, INFORMAL LANGUAGE

Dear Hal James:

Thought that you and Dr. Pecora and some of the others in your party from last year's expedition into the hinterlands, might be interested in the outcome of the "Busty Belle" mine. I'm certain that our local newspaper coverage is much more interesting than a mere exploratory report!

I saw Mr. Taylor at lunch last week and he asked me to apologize to Dr. Pecora for the indefinite reference to him as "Bill Pecora, head of the division established to spur production of metals such as gold," which appears in Jessen's on May 3, 1967.

He said that he and Mr. Anderson were at the mine when the reporter asked for a statement and he advised them to call his secretary, who, apparently gave out the above information.

It could happen only in Alaska and a retraction is often more disastrous than the original statement.

We are looking forward to a busy summer with the Centennial and lots of work in the field.

Kindest personal regards,

Mary Howard

NOTED
MAY 2[illegible] 1967
HAROLD L. JAMES
Chief Geologist

NOTED
MAY 18 1967
M. R. Klepper
Assoc. Chief Geologist

copy rtd. to Mrs. Howard w/note!

From: Mary W. Howard (Mrs.) Chief
Alaska Distribution Section
U. S. Geological Survey
310 First Avenue
Fairbanks, Alaska 99701

OPTIONAL FORM 27
OCTOBER 1962
GSA GEN. REG. NO. 27

1. TO BE RETAINED BY ADDRESSEE

both so I've been able to handle it."

Carew also has been able to handle American League pitching, and it's partly because he's listened so well.

"They told me in spring training to take the bat off my shoulder and swing," the left-handed hitter said. "That's what I've been doing. Tovar and Tony Oliva told me to just go up there and stroke the ball. Don't try to hit it out of the park.

"It's paying off so far. I never thought I would do this well. But

City
bowin
squea
In
York
inning
Pittsb
nipped
whipp
Houst
2.
Car
seven
was g
choice
bunt.

Alaska Journal 5/10/67

New Labs To Aid Geologists

WASHINGTON, D.C. — Mineral investigation in Alaska by scientists of the U.S. Geological Survey will be aided by mobile chemical labs designed to operate in rugged terrain and weather conditions, Senators E.L. Bartlett and Ernest Gruening report.

"The self-contained laboratories will include two one-ton van-type vehicles and one smaller unit of pod design to be used interchangeably on truck, boat or helicopter" Bartlett said, "and they will be capable of making 100 analyses or assays per day."

He added that the units would be particularly valuable in support of field parties in the remote interior of Alaska.

Alaska is characterized by rugged topography, he said, a wide range of climate, short field seasons, and limited transportation facilities, it was pointed out that field survey projects have necessarily operated in the past without direct coordination with chemical studies.

Mobile analytical units will accompany Geological Survey teams to remote areas to provide on-the-spot data needed to guide the day-to-day field progress and provide necessary support for geologic and geochemical mapping.

Studies being made in Alaska include detailed and reconnaissance surveys to stimulate increased production of heavy metals as well as many other mineral commodities. In a joint enterprise, the U.S. Geological Survey and the U.S. Bureau of Mines are stepping up investigations that will provide needed scientific data and clues to new sources of metals for exploration and development by private industry.

A significant factor in the investigations is the use of sensitive instruments and techniques which detect metals such as gold, silver, mercury, platinum, and tin even in trace amounts, and which allow rapid identification of metal-bearing rocks.

The van-type laboratories planned for use in Alaska will operate out of Anchorage and Fairbanks, and the pod-type unit will be stationed this summer at Nome. The van laboratories will add to analytical facilities in Alaska, Bartlett said. They will be equipped with mercury vapor detection equipment and atomic absorption units capable of detecting very small amounts of gold and silver.

Howard, Larry
202 Slater St.,
City 99701

5/3/67

Anaktuvuk Asks Meeting With Governor Hickel, Agencies

BUSTY BELLE MINE STRIKES ZINC, LEAD, SILVER, GOLD 'FIND'

JESSEN'S WEEKLY

...d Alaska Weekly of the Northland!

Assays Now Being Made; Taylor Says Discovery Appears 'Encouraging'

5/3/67

The Busty Belle Mine, 16 miles from Fairbanks, struck a merchantable mineral deposit Friday and officials of the Busty Belle corporation are attempting to find out how big the mineral find really is.

Warren Taylor, president of the corporation, said, "What we have struck is very encouraging. It contains merchantable amounts of zinc, lead, silver and variable amounts of gold."

But Taylor stressed, "We will have to do some more exploratory work and complete our assays before we will be able to evaluate the find completely."

"The ore is very heavy," Taylor said, and covers the entire height of the tunnel wall.

The 5 by 7 ft. tunnel operation began last year in an attempt to cross-cut 13 veins which appears on the surface.

A blast uncovered the deposit Friday and Saturday two engineers from the University of Alaska examined what was found on Saturday.

Taylor, Mel Anderson, vice president of Busty Bell, Inc., and Tury Anderson, a director, spent Sunday afternoon at the mine.

The mine is located about two miles off the Elliott Highway at the end of a road built by Tury Anderson. The road, with the spring thaw, began to get soupy and is impeding travel to and from the site. Tayolr said the road was drying out and they hoped to get into full swing operations again soon.

Tury Anderson discovered, staked and claimed the site and did quite a lot of exploration work before the Busty Belle corporation was formed.

Last July the Minerals Division of the U S. Department of Interior approved a loan in which it agreed to participate in the exploration and development of the mine.

Bill Pecora, head of the division established to spur production of metals such as gold, silver and copper in short supply, said the government would participate up to 62½ per cent of the project, estimated to cost $60,000.

The loan was the first one to be approved in this area.

University Celebrates Its 50th Birthday Today

Today the University of Alaska marks its 50th birthday with great fanfare by breaking ground for a $9.5 million library, humanities and fine arts complex.

The golden anniversary is being celebrated in conjunction with Governor's Day, an annual event on the campus.

This morning Governor Walter J. Hickel spoke and presented one of the awards at an ROTC awards ceremony. At 1:30 p.m. he, along with Board of Regents President Elmer Rasmuson and Dr. William R. Wood, participated in the ground breaking ceremonies of the humanities complex.

Tonight Gov. Hickel will speak at the Golden Anniversary convocation in the Patty Building gymnasium. He will talk on: "The University of

(Continued on Page 2)

Weather and 'Quakes

81 earthquakes have been recorded in the State of Alaska and vicinity during the past week according to Coast and Geodetic Survey.

High Temp.: 62 on May 2
Low Temp.: 22 on April 26
Ave. Temp.: 43, 4 degrees above normal
Precip.: 0; 0 this week; 2in. on ground
Outlook: Mostly cloudy, little or no precipitation.
Sunrise 3:08 a.m. Sunset 8:31 p.m., a total of 17 hrs. 23min. daylight.

Exciting New Albums on Columbia Records

CL 2665/CS 9465

KCL 2663/KCS 9463

Hoitt's Music Shop

525 - 2nd Ave.
Next to the Nordale Hotel
Phone 456-4144

TOM DUNKIN, right, discusses rebuilding his Cessna 172 wi.h an insuranc

DON SCHULTZ, of Northern Aviation, begins separa.ing two light pla dent at Mitchell Field, Van Horn Road, Thursday. The accident occurre his Champion on top of Tom Dunkin's Cessne 172.

ANAKTUVUK DELEGATION WANTS MEET WITH GOVERNOR—Pa vuk Pass want to move to Umiat, the others want to remain where they a meeting with Governor Walter J. Hickel and state and federal agenc ance can be given in the event of a move. Left to right, Noah Ahgook, against moving; John Hugo, Bob Ahgook, Jack Ahgook, for moving.—

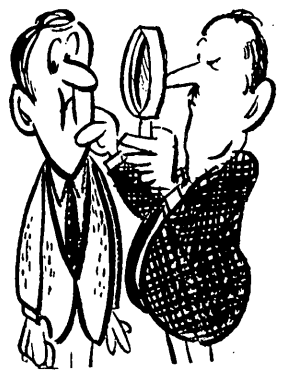
Jury Indicts Man In Ice Pool Theft

Kelly Petsch has been indicted by a grand jury in Anchorage for the alleged theft of 1,089 tickets on the Nenana Ice Pool. The indictment was filed before Judge James Moody yesterday.

The Anchorage Times reported the indictment charges Petsch of 1303 West 25th Ave. with having taken tickets from the D & D Bar and Cafe "without proper payment." Petsch has said he is one-third partner in the corporation which owns the bar.

Dist. Atty. Thomas E. Curran said the grand jury interrupted its hearing to file the indictment against Petsch to "preserve the integrity and reputation that the Nenana Ice Clas ic has

POKE and PAN



Never too early to start beating the drums for your men for our ext political campaign.

The chorage Times has already ven us a view of its thinkin

NEWSPAPER CLIPPINGS - Mary Howard's memo to Chief Geologist
May 15, 1967

G-ALAS-FRW

ALASKAN GEOLOGY BRANCH
BOX 580
COLLEGE, ALASKA 99701

OFFICIAL
COPY
G. M. E.
RECEIVED
MAY 10 1967

May 4, 1967

Mr. Robert M. Chapman
Alaskan Geology Branch
U.S. Geological Survey
345 Middlefield Road
Menlo Park, California

OME-6534

Dear Bob:

Dean Pilkington did have a chance to go out and look at the Busty Belle discovery yesterday. His general impression of the mineralization is that it is not particularly promising, despite the local enthusiasm, see enclosed article from Jessen's Weekly.

As you know I haven't been in the edit so I can only repeat what Dean and others tell me. You know the layout, though, and can probably tell what I am talking about. I was misinformed as to the side of the main drift on which they were working. It is on the left side, not the right, as I mentioned in the letter the other day. According to Dean there are big shear zones which run roughly E-W. One of them intersects the main drift beyond the Y-junction. Smaller shear zones cross-cut the big ones in roughly a N-S direction. Both shear sets show some lateral offset. The mineralization they discovered is located in a sort of lens at the junction of these two shear sets and is in the footwall of the major E-W set (which is dipping toward the north underground). Dean thinks they may have intersected another major east-west shear set at the end of the main drift (left hand tunnel). The miners are planning to drill toward the S in the area between the end of the tunnel and the mineralization discovery. Dean thinks they ought to concentrate on finding the junctions of the major shear zones with the minor.

Dean doesn't think they have intersected anything yet that they were looking for from the surface. As you probably know, among other things, the dip of the shear zones on the surface is to the south and is to the north in the shaft. The mineralization they just found is a little different from that on the surface because of the presence of the rather large amount of sphalerite, so it is possible that two different types are involved here.

Bob Forbes came back yesterday and is foundering in paper work. Don Richter and Al Marranzino are here today ahead of schedule. They couldn't get into Nome because of bad weather. I understand they landed at Unalakleet five times in the attempt. They were to come here to the office this afternoon

but haven't arrived as yet. I understand they are out at Wainwright at the warehouse with Bill. They are looking for housing for 6 men, 4 wives and 5 children, for the summer geophysical and geochemical crews.

Summer has arrived! The ice went out at Nenana today at 11:55 a.m. I don't see your name on the list of winners. Howcum?

Beautiful weather today although somewhat windy.

Sincerely,

Florence R. Weber
Geologist

Enclosure

cc:
Director's RF
Division
Gryc
Stager

RECEIVED
MAY 8 1967
OFFICE OF MINERALS EXPLORATION
U.S. GEOLOGICAL SURVEY
MENLO PARK, CALIF.

BELLE MINE STRIKES AD, SILVER, GOLD 'FIND'

WEEKLY

Weekly of the Northland!

o. 18 -1 15c a copy Fairbanks, Alaska

Assays Now Being Made; Taylor Says Discovery Appears 'Encouraging'

The Busty Belle Mine, 16 miles from Fairbanks, struck a merchantable mineral deposit Friday and officials of the Busty Belle corporation are attempting to find out how big the mineral find really is.

Warren Taylor, president of the corporation, said, "What we have struck is very encouraging. It contains merchantable amounts of zinc, lead, silver and variable amounts of gold."

But Taylor stressed, "We will have to do some more exploratory work and complete our assays before we will be able to evaluate the find completely."

"The ore is very heavy," Taylor said, and covers the entire height of the tunnel wall.

The 5 by 7 ft. tunnel operation began last year in an attempt to cross-cut 13 veins which appears on the surface.

A blast uncovered the deposit Friday and Saturday two engineers from the University of Alaska examined what was found on Saturday.

Taylor, Mel Anderson, vice president of Busty Bell, Inc., and Tury Anderson, a director, spent Sunday afternoon at the mine.

The mine is located about two miles off the Elliott Highway at the end of a road built by Tury Anderson. The road, with the spring thaw, began to get soupy and is impeding travel to and from the site. Tayolr said the road was drying out and they hoped to get into full swing operations again soon.

Tury Anderson discovered, staked and claimed the site and did quite a lot of exploration work before the Busty Belle corporation was formed.

Last July the Minerals Division of the U S. Department of Interior approved a loan in which it agreed to participate in the exploration and development of the mine.

Bill Pecora, head of the division established to spur production of metals such as gold, silver and copper in short supply, said the government would participate up to 62½ per cent of the project, estimated to cost $60,000.

The loan was the first one to be approved in this area.

, center, in white shirt, was convicted here Saturday of 30 last year. At left is Walter Sinn, guard of the State Counsel Hugh White and in the background is Defense

ry Finds Flores ilty Of Murder

By TOM SNAPP

nesses put on the stand by the

University Celebrates Its 50th Birthday Today

Today the University of Alaska marks its 50th birthday with great fanfare by breaking ground for a $9.5 million library, humanities and fine arts complex.

Y 5 1957
L. H. SAARELA

Exciting New Albums on

RECEIVED
MAY 4 1967
OFFICE OF MINERALS EXPLORATION
U.S. GEOLOGICAL SURVEY
MENLO PARK, CALIF.

G-ALAS-FRW

OFFICIAL COPY
O. M. E.
RECEIVED
MAY 8 1967
INITIAL CODE
Home
RJ 120
Rmd 120

ALASKAN GEOLOGY BRANCH
BOX 580
COLLEGE, ALASKA 99701

May 2, 1967

Mr. Robert M. Chapman
Alaskan Geology Branch
U.S. Geological Survey
345 Middlefield Road
Menlo Park, California

OME - 6534
(Busty Belle)

Dear Bob:

In answer to your question on the phone concerning the Richfield, Bering River test well samples--we received samples from both tests. Rather than repeat it all in a letter I am sending Thermofax copies of the well cards. Since Hank washed both lithology and microfossil samples on Bering River No. 1, I doubt if we would have much material left on that hole. Since he didn't wash Bering River No. 2, we should have that material in the core shed.

The most interesting bit of news from here at the moment is that they finally hit something at the Busty Belle mine. They used up the government funds in that same crosscut they were working when you left and found nothing. Then they went back into the main drift on the right side about 400 feet from the portal (beyond the Y-junction) and blasted into the wall about 4 feet. Here they hit a brecciated vein (judging from the hand specimen) about a foot in diameter which contains, according to Don Stein's quick spec analysis: sphalerite (with cadmium), galena (with silver), pyrite, arsenopyrite, calcite, quartz and scorodite, also a trace of chalcopyrite. Don ran a quick assay yesterday afternoon and got 1/2 to 1 oz. per ton on gold and 15 to 30 oz. per ton on silver. Don is getting a fairly good estimate on the zinc. It is rather high. In the hand specimen the sphalerite is very fine grained and has an earthy, blackish appearance and seems to constitute about 20-25 percent of the total volume of the specimen I have. I have a hand specimen plus a sack of the crushed material, a cut of the sample Don assayed. Does anyone want these samples?

Bruce Thomas went out to look at the vein. They say he was of the opinion the miners had not penetrated the whole thing yet. Dean Pilkington has offered to go out and take a look, too, and may go tomorrow. However, there is a problem--breakup. The road out there is in very bad shape. They are going to decide this afternoon whether to try to make a trip or not. I'll keep you posted on anything new. Dean won't have a chance to go unless they go tomorrow as he is making a trip Outside starting this weekend.

Yes - Rmd.

They haven't put the sign up for the airport exhibit yet. We are going to have to use something besides rubber cement. As I was afraid, the letters are beginning to fall off. It has been suggested that tiny screws are in order. You might find out from someone how this problem has been solved in other exhibits.

I got "my" green Jeep from GSA yesterday. The knob on the main gear shift is missing! Everyone pleads ignorance in its disappearance.

We have had beautiful weather for the last three days--the way spring in Fairbanks should be, with cloudless skies and bright sunshine. The snow is melting and evaporating rapidly now. Much of it must be sinking into the dry ground as runoff seems rather slow--fortunately. KFAR has Steve Agbaba down at Nenana watching the ice now, so breakup must be near.

I hear Tammy has had an operation and is looking and acting greatly improved this morning.

Sincerely,

Florence R. Weber
Geologist

Enclosure

cc:
Director's RF
Division
Gryc
Stager

RECEIVED
MAY 4 1967
OFFICE OF MINERALS EXPLORATION
U.S. GEOLOGICAL SURVEY
MENLO PARK, CALIF.

5/17/67/RM

MME FORM 60
SEPT. 1959

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION

OFFICIAL MAIL
MAY 25 1967
RECEIVED

Docket No. OME 6534
Contract No. 14-23-090-2221
Contract Amount $34,200.00
Gov't. Participation %62.5 $21,375.00
Mineral(s)

OPERATOR'S MONTHLY VOUCHER

For Month of April, 1967

Operator's Name Busty Belle Mines, Inc.
Address 212 Nerland Bldg, Fbk's, Alaska

COST CATEGORIES	FOR OPERATOR'S USE			FOR GOVERNMENT APPROVAL ONLY		
	MONTHLY TOTAL	PREVIOUSLY REPORTED	TOTALS TO DATE	MONTHLY TOTAL	PREVIOUSLY REPORTED	TOTALS TO DATE
Fixed Unit Costs and						
(1) Independent Contracts:						
Bulldozing						
Drifting	1,275.00	24,225.00	25,500.00			
Crosscutting						
Drilling		1,550.00				
Mobilization	-0-	~~1,550.00~~	1,550.00			
Road & Portal	-0-	830.00	830.00			
(2) Personal Services:						
Supervision & Technical						
Outside Consultants						
Labor Accounting	-0-	200.00	200.00			
(3) Operating Mat'l. & Supplies:						
Timber	-0-	705.50	705.50			
Explosives						
Pipe						
Rail						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehab. & Repairs:						
Buildings, Fixtures, etc.						
Operating Equipment						
(6) New Buildings, Fixtures, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Analytical Work						
Payroll Taxes						
Employee's Liability Ins.						
TOTALS	1,275.00	27,510.50	28,785.50			

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

Date May 2, 1967 *Payee Busty Belle Mines, Inc.

Per Warren A. Taylor Title President

* 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.

A willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction is a criminal offense. (U.S. Code, Title 18, Sec. 1001.)

(INSTRUCTIONS ON REVERSE)

Pursuant to authority vested in me, I certify that this account is correct and proper for payment in the amount of: 796.88 14X0804
200.00 - 14X6875 (08)
$ 596.88

Signature
(Authorized Certifying Officer)

Date MAY 29 1967 Vou. No. 9324

(SEE OTHER SIDE)

Certification by Government Representative:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating an exploration project in accordance with the terms of Contract No. 3321

Signature H R Slager Title FIELD OFFICER Date MAY 15 1967

Approved by OME Executive Officer or Alternate: OME REGION II

Signature H R Slager Title FIELD OFFICER Date MAY 15 1967

OPERATOR'S MONTHLY REPORT

The Operator, under an Office of Minerals Exploration contract, is required to report monthly to the Government. The report consists of three parts.

FIRST, the Operator's Monthly Voucher on MME Form 60 listing the project costs incurred and claimed by the Operator is the voucher basis for payment of the Government's share of the cost.

SECOND, the Operator's Progress Report on MME Form 61 is a statistical report of the units and cost of of work performed under the contract.

THIRD, the Operator's Narrative Report is a concise description of the work performed, results accomplished, and any unusual situations encountered, illustrated and supported by engineering-geological maps or sketches, drill hole logs, assay reports, etc., as pertinent.

The Operator submits the original and four copies of each of the three sections of this report to the OME regional Executive Officer at the end of each month during the life of the contract.

PREPARATION OF OPERATOR'S MONTHLY VOUCHER, MME FORM 60

After all applicable spaces are filled in, the Operator or his agent must sign the certification in the lower left corner. Categories (2) through (7) apply to "Actual Cost" contracts only.

Under "Fixed Unit Costs" and Category (1) report, (a) the total fixed unit costs of work performed under contract provisions for contribution by the Government on a basis of "fixed unit costs"; and (b) the claimed costs of work performed on a unit-price basis by independent contractors.

Under Category (2) include the claimed costs of all payrolled and invoiced supervisory, technical, and labor personnel, except the costs for services applicable to Categories (5) and (6).

Under Category (3) include the claimed costs of all project materials and supplies other than those used for work under Categories (5) and (6).

Under Category (4) report claimed rentals on equipment belonging to a third party, claimed payments or obligations for payments on the Operator's purchase of equipment, and claimed depreciation for the use of Operator-owned equipment.

Under Categories (5) and (6) include all claimed costs of labor, supervision, technical services, operating materials and supplies, and all other items used in (5) the initial rehabilitation and repairs of existing buildings, fixtures, installations (exclusive of mine workings), and operating equipment; and (6) the installation or construction of new buildings, fixtures, and fixed improvements (exclusive of mine workings). Do not report these costs under Categories (2), (3), (4), and (7).

Under Category (7) include all miscellaneous claimed costs such as repairs (other than initial) and maintenance of equipment, sampling and analysis, travel, communication, accounting, office expenses, and the Operator's share of payroll taxes and insurance.

Except for amounts claimed under "fixed unit costs" provisions of the contract, all costs claimed in this voucher must be supported by documentary evidence consisting of: (a) certified copies or transcripts of payrolls which list each employee, wage rate, period of employment, gross earnings, itemized deductions, and net earnings; (b) original or certified copies of invoices, statements of accounts, or purchase orders which indicate items of materials or services, quantities, unit prices, total charges, and payment terms; and (c) certified memoranda of the Operator for such items as depreciation of Operator-owned equipment, unemployment taxes, and employee's liability insurance. The certification may be stated thus, "Certified True Copy (or Transcript)", followed by the signature of the Operator or his agent. One copy of each document should accompany the original of this voucher.

The requirement for submitting documentary evidence of claimed costs may be waived by the OME regional Executive Officer if he determines that it is impracticable for an Operator to submit this material. In any case of waiver of this requirement an "on-site" audit by an OME auditor is mandatory prior to payment of the final Operator's Monthly Voucher.

MME FORM 61
SEPT. 1959

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION

OPERATOR'S PROGRESS REPORT For Month of April, 1967 Docket No. OME 6534

Operator's Name Busty Belle Mines - Inc. Contract No. 14-23-090- 2221

OPERATION	UNITS	FOR OPERATOR'S USE: UNITS THIS MONTH	UNITS TO DATE	COSTS TO DATE	FOR GOVERNMENT USE: APPROVED UNITS THIS MONTH	APPROVED UNITS TO DATE	APPROVED COSTS TO DATE
Drifting	500	25	500	25,500.00	25	500	$25,500.00
Crosscutting							
Raising							
Shafts							
Winzes							
Other Underground							
Drilling, Core-Diamond							
Rotary							
Drilling, Non-core-Diamond							
Rotary							
Churn							
Percussion							
Miscellaneous							
Timbering	500	-0-	85	705.50	0	85	705.50
Roads and Trails	1	-0-	1	830.00	0	1	830.00
Stripping Mobilization	1	-0-	1	1,550.00	0	1	1,550.00
Trenching Accounting	4	-0-	4	200.00	0	4	200.00
Test Pitting							
Other Surface Work							
Initial Rehabilitation and Repairs							
Rehabilitation of Mine Workings							
New Buildings, Fixtures, etc.							
Operating Equipment Purchases							
Analytical Work							
TOTAL TO DATE (per MME Form 60)				28,785.50			$28,785.50

REMARKS

(Continue on back)

REMARKS

WITHHOLD $200 PENDING RECEIPT OF OPERATOR'S FINAL REPORT.

(Continue on back)

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

Date May 2, 1967 Operator Busty Belle Mines, Inc.

Per Warren A. Taylor Title President

A willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction is a criminal offense. (U.S. Code, Title 18, Sec. 1001.)

I certify that the information above is complete and accurate to the best of my knowledge and belief.

Signature [illegible]

Title Field Office OME Region II
Government Representative

Date MAY 15 1967

(INSTRUCTIONS ON REVERSE)

REMARKS *(Cont.)*

REMARKS *(Cont.)*

INSTRUCTIONS FOR PREPARING OPERATOR'S PROGRESS REPORT, MME FORM 61

This report is the second of the three parts of the Operator's Monthly Report. Submit the original and four copies.

The cost for each operation should be the total of all claimed costs attributable to that type of work with two exceptions, namely—operating equipment purchased and analytical work which are stated separately. For example, drifting costs should be the total of all costs chargeable to drifting including supervision, technical services, timbering (if any), etc. Similarly, drilling costs should include the cost of cementing, reaming, core boxes, etc. This procedure of distribution holds whether the contract was written on an actual cost or a unit cost basis, or some combination of the two. Distribute the cost of such general items as supervision, equipment rented, etc. according to relative footages or on some other conventional basis. The item "Initial Rehabilitation and Repairs" covers all rehabilitation and/or repairs other than the rehabilitation of mine workings.

The item titled "Drilling, Non-core Percussion" includes all drilling performed with wagon, jack-hammer, stoper and mounted drills. The several items labelled "Other" are provided to take care of particular exploration operations not specified on this form.

UNITED STATES
DEPARTMENT OF THE INTERIOR
U. S. Geological Survey
Branch of Budget and Finance
Washington, D. C. 20242

ADMINISTRATIVE SUSPENSION STATEMENT

Name and Address of Payee: Dusty Belle Mines, Inc.
212 Herland Bldg
Fairbanks, Alaska 99701

Amount Claimed	Differences (Explained Below)	Amount Approved
$1,275.00	$200.00	$1,275.00 $ 596.88 Govt. Participation
Dr. Voucher No.	Payee's Invoice No.	Period
	Docket # 6534 Contract 2221	April 1967

EXPLANATION

$200.00 withheld pending receipt of final report.

Any reclaim for items deducted must be supported by the original of this statement and submitted to the office shown above.

J. D. Kellister
Branch of Budget and Finance

NARRATIVE ACCOUNT OF THE ACTIVITIES
OF BUSTY BELLE MINE
FOR APRIL, 1967

We drifted 25 feet during the month, which concluded our contract with O.M.E. We were driving to where we thought was a high grade vein of silver-lead and gold.

The last round of holes was fired on the 30th of April, 1967. It opened up a very good body of ore at a depth of 85 feet.

We immediately rushed samples to the assayer at the University of Alaska. He gave us a statement of the minerals and values, but the official report must be sent out of Anchorage. Sometimes it takes a week or more to get the laboratory report from Anchorage.

The local assayer gave us the following information relative to the ore we hit:

ZINC	32-1/2%	or 650 Lb. per ton	at $ .145	=	$94.25
LEAD	12%	or 250 Lb. per ton	at .14	=	35.00
SILVER	30 Oz.	per ton	at 1.29	=	39.00
GOLD	1/2 Oz.	per ton	at 35.00	=	17.50
					$185.75

We are putting in two more rounds which should put us through the ledge. This we will have to do on our own resources.

We do greatly appreciate the wonderful help we have received from your office.

It is possible we will make an application for another loan to explore another property located near the Busty Belle.

Attached hereto is our final report, together with assay reports and a map showing the progress made month by month.

Geologists and mining engineers who have seen our strike are very enthusiastic about the possibilities of our property. We have proven that the vein widens with depth. There are surface indications of about 15 veins, one being 18 feet wide on the surface.

Again we wish to thank you.

Sincerely yours,

BUSTY BELLE MINES, INC.

By Warren A. Taylor

Warren A. Taylor, President

RECEIVED

MAY 11 1967

OFFICE OF MINERALS EXPLORATION
U.S. GEOLOGICAL SURVEY
MENLO PARK, CALIF.

5/16/67/RMA

NME FORM 60
SEPT. 1959

OFFICIAL COPY
O. M. E.
RECEIVED
MAY 23 1967
INITIALS CODE

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION

Docket No. OME 6534
Contract No. 14-23-090-2221
Contract Amount $ 34,200.00
Gov't. Participation 62.5 $ 21,375.00
Mineral(s)

OPERATOR'S MONTHLY VOUCHER

For Month of March X, 1967

Operator's Name Busty Belle Mines - Inc.
Address 212 Nerland Bldg. - Fairbanks, Alaska - 99701

COST CATEGORIES	FOR OPERATOR'S USE			FOR GOVERNMENT APPROVAL ONLY		
	MONTHLY TOTAL	PREVIOUSLY REPORTED	TOTALS TO DATE	MONTHLY TOTAL	PREVIOUSLY REPORTED	TOTALS TO DATE
Fixed Unit Costs and						
(1) Independent Contracts:						
Bulldozing						
Drifting	1428.00	22,797.00	24,225.00			
Crosscutting						
Drilling						
Mobilization	-0-	1,550.00	1,550.00			
Road & Portal	-0-	830.00	830.00			
(2) Personal Services:						
Supervision & Technical						
Outside Consultants						
Labor Accounting	-0-	200.00	200.00			
(3) Operating Mat'l. & Supplies:						
Timber	-0-	705.50	705.50			
Explosives						
Pipe						
Rail						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehab. & Repairs:						
Buildings, Fixtures, etc.						
Operating Equipment						
(6) New Buildings, Fixtures, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Analytical Work						
Payroll Taxes						
Employee's Liability Ins.						
TOTALS	1,428.00	26,082.50	27,510.50			

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

Date March 1967 April 4, *Payee Busty Belle Mines, Inc.

Per Warren A. Smith Title President

* 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.

A willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction is a criminal offense. (U.S. Code, Title 18, Sec. 1001.)

(INSTRUCTIONS ON REVERSE)

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

$ 892.50 14X0804

Signature JDM
(Authorized Certifying Officer)

Date MAY 19 1967 Vou. No. 8991

(SEE OTHER SIDE)

Certification by Government Representative:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating an exploration project in accordance with the terms of Contract No. 2221

Signature H K Steger Title Field Officer Date APR 24 1967

Approved by OME Executive Officer or Alternate: OME Region II

Signature H K Steger Title Field Officer Date APR 24 1967

OPERATOR'S MONTHLY REPORT

The Operator, under an Office of Minerals Exploration contract, is required to report monthly to the Government. The report consists of three parts.

FIRST, the Operator's Monthly Voucher on MME Form 60 listing the project costs incurred and claimed by the Operator is the voucher basis for payment of the Government's share of the cost.

SECOND, the Operator's Progress Report on MME Form 61 is a statistical report of the units and cost of of work performed under the contract.

THIRD, the Operator's Narrative Report is a concise description of the work performed, results accomplished, and any unusual situations encountered, illustrated and supported by engineering-geological maps or sketches, drill hole logs, assay reports, etc., as pertinent.

The Operator submits the original and four copies of each of the three sections of this report to the OME regional Executive Officer at the end of each month during the life of the contract.

PREPARATION OF OPERATOR'S MONTHLY VOUCHER, MME FORM 60

After all applicable spaces are filled in, the Operator or his agent must sign the certification in the lower left corner. Categories (2) through (7) apply to "Actual Cost" contracts only.

Under "Fixed Unit Costs" and Category (1) report, (a) the total fixed unit costs of work performed under contract provisions for contribution by the Government on a basis of "fixed unit costs"; and (b) the claimed costs of work performed on a unit-price basis by independent contractors.

Under Category (2) include the claimed costs of all payrolled and invoiced supervisory, technical, and labor personnel, except the costs for services applicable to Categories (5) and (6).

Under Category (3) include the claimed costs of all project materials and supplies other than those used for work under Categories (5) and (6).

Under Category (4) report claimed rentals on equipment belonging to a third party, claimed payments or obligations for payments on the Operator's purchase of equipment, and claimed depreciation for the use of Operator-owned equipment.

Under Categories (5) and (6) include all claimed costs of labor, supervision, technical services, operating materials and supplies, and all other items used in (5) the initial rehabilitation and repairs of existing buildings, fixtures, installations (exclusive of mine workings), and operating equipment; and (6) the installation or construction of new buildings, fixtures, and fixed improvements (exclusive of mine workings). Do not report these costs under Categories (2), (3), (4), and (7).

Under Category (7) include all miscellaneous claimed costs such as repairs (other than initial) and maintenance of equipment, sampling and analysis, travel, communication, accounting, office expenses, and the Operator's share of payroll taxes and insurance.

Except for amounts claimed under "fixed unit costs" provisions of the contract, all costs claimed in this voucher must be supported by documentary evidence consisting of: (a) certified copies or transcripts of payrolls which list each employee, wage rate, period of employment, gross earnings, itemized deductions, and net earnings; (b) original or certified copies of invoices, statements of accounts, or purchase orders which indicate items of materials or services, quantities, unit prices, total charges, and payment terms; and (c) certified memoranda of the Operator for such items as depreciation of Operator-owned equipment, unemployment taxes, and employee's liability insurance. The certification may be stated thus, "Certified True Copy (or Transcript)", followed by the signature of the Operator or his agent. One copy of each document should accompany the original of this voucher.

The requirement for submitting documentary evidence of claimed costs may be waived by the OME regional Executive Officer if he determines that it is impracticable for an Operator to submit this material. In any case of waiver of this requirement an "on-site" audit by an OME auditor is mandatory prior to payment of the final Operator's Monthly Voucher.

6-1-09

MME FORM 61
SEPT. 1959

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION

OPERATOR'S PROGRESS REPORT For Month of March, 1967 Docket No. OME 6534

Operator's Name Busty Belle Mines - Inc. Contract No. 14-23-090-2221

OPERATION	UNITS	FOR OPERATOR'S USE: UNITS THIS MONTH	UNITS TO DATE	COSTS TO DATE	FOR GOVERNMENT USE: APPROVED UNITS THIS MONTH	APPROVED UNITS TO DATE	APPROVED COSTS TO DATE
Drifting	500	28	475	24,225.00	28	475	$24,225.00
Crosscutting							
Raising							
Shafts							
Winzes							
Other Underground							
Drilling, Core-Diamond							
Rotary							
Drilling, Non-core-Diamond							
Rotary							
Churn							
Percussion							
Miscellaneous							
Timbering	500	-0-	85	705.50	0	85	705.50
Roads and Trails	1	-0-	1	830.00	0	1	830.00
Stripping Mobilization	1	-0-	1	1,550.00	0	1	1,550.00
Trenching Accounting	4	-0-	4	200.00	0	4	200.00
Test Pitting							
Other Surface Work							
Initial Rehabilitation and Repairs							
Rehabilitation of Mine Workings							
New Buildings, Fixtures, etc.							
Operating Equipment Purchases							
Analytical Work							
TOTAL TO DATE *(per MME Form 60)*				27,510.50			$27,510.50

REMARKS

(Continue on back)

REMARKS

(Continue on back)

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

Date April 4, 1967 Operator Busty Belle Mines, Inc.

Per Warren A. Taylor Title President

A willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction is a criminal offense. (U.S. Code, Title 18, Sec. 1001.)

I certify that the information above is complete and accurate to the best of my knowledge and belief.

Signature H B Hager

Title Field Officer, OME Region II
Government Representative

Date APR 24 1967

(INSTRUCTIONS ON REVERSE)

REMARKS *(Cont.)*

REMARKS *(Cont.)*

INSTRUCTIONS FOR PREPARING OPERATOR'S PROGRESS REPORT, MME FORM 61

This report is the second of the three parts of the Operator's Monthly Report. Submit the original and four copies.

The cost for each operation should be the total of all claimed costs attributable to that type of work with two exceptions, namely—operating equipment purchased and analytical work which are stated separately. For example, drifting costs should be the total of all costs chargeable to drifting including supervision, technical services, timbering (if any), etc. Similarly, drilling costs should include the cost of cementing, reaming, core boxes, etc. This procedure of distribution holds whether the contract was written on an actual cost or a unit cost basis, or some combination of the two. Distribute the cost of such general items as supervision, equipment rented, etc. according to relative footages or on some other conventional basis. The item "Initial Rehabilitation and Repairs" covers all rehabilitation and/or repairs other than the rehabilitation of mine workings.

The item titled "Drilling, Non-core Percussion" includes all drilling performed with wagon, jack-hammer, stoper and mounted drills. The several items labelled "Other" are provided to take care of particular exploration operations not specified on this form.

MAY 17 12 02 PM 1961
RECEIVED
BUDGET & FINANCE
5601 19

NARRATIVE ACCOUNT OF THE
ACTIVITIES OF BUSTY BELLE MINE
FOR MARCH, 1967

Inadvertently this narrative did not accompany the Operator's Monthly Voucher.

Progress was slowed on account of weather and drifting snow which prevented the hauling of water for drilling purposes.

We were able to drift only 28 feet during the month. Our reports according to your letter required us to submit assays made during the month and all previous months.

We are attaching hereto a map of the under adit driven under our contract with progress which has been made from month to month. Attached hereto are Zerox copies of assay reports since the start of operations.

Our April report is being prepared and will be following this letter within a few days.

Sincerely,

BUSTY BELLE MINES, INC.

By [signature], President

RECEIVED
MAY 11 1967
OFFICE OF MINERALS EXPLORATION
U.S. GEOLOGICAL SURVEY
MENLO PARK, CALIF.

DM-11
Rev. 8/66

Report No. 754

STATE OF ALASKA
Department of Natural Resources
DIVISION OF MINES AND MINERALS
3001 Porcupine Drive, Anchorage, Alaska 99504

Date of Report April 18, 1967

LABORATORY ANALYSIS REPORT

For Warren Taylor Address Rm. 212, Nerland Bldg., Fairbanks, Alaska

Number of Samples 1 Date Sample Received April 11, 1967

Work Done:
A. X-ray fluorescence quant. ☐ , semi-quant. ☐
B. X-ray diffraction ☐
C. Spectrographic quant. ☐ , semi-quant ☒
D. Fire assay ☒
E. Identification ☐
F. Other ☐

Laboratory Number	Sample Marked	Analysis or Identification	
		D. Ounces per ton Gold Silver	C. Copper 2.50%
32882	Copper in dolomitic limestone	0.12 trace	

Donald R. Stein
Analyst

C. D - Donald R. Stein
Analyst

Analyst

Approved: Gordon Herreid

DM-11
Rev. 8/66

Report No. 711

Date of Report Feb. 21, 1967

STATE OF ALASKA
Department of Natural Resources
DIVISION OF MINES AND MINERALS
3001 Porcupine Drive, Anchorage, Alaska 99504

LABORATORY ANALYSIS REPORT

For Mr. Mel Anderson Address Div. of Mines & Minerals - Fairbanks

Number of Samples 1 Date Sample Received

Work Done:
A. X-ray fluorescence quant. ☐ , semi-quant. ☐
B. X-ray diffraction ☐
C. Spectrographic quant. ☐ , semi-quant ☒
D. Fire assay ☒
E. Identification ☒
F. Other ☐

Laboratory Number	Sample Marked	Analysis or Identification		
		Ounces per ton Au	Ag	Identification:
32735	none	trace	nil	Limestone with quartz and pyrite

Spectroanalysis shows mineralization to the extent of 0.01-0.001% copper, No lead, zinc, tungsten, tin, etc. detectable.

C,D,E - Don Stein Analyst

Analyst

Analyst

Approved: Gordon Herreid

NOTE: Samples discarded after 60 days and pulps after 6 months unless instructed otherwise.

DM-11
Rev. 8/66

Report No. 700

Date of Report February 9, 1967

STATE OF ALASKA
Department of Natural Resources
DIVISION OF MINES AND MINERALS
3001 Porcupine Drive, Anchorage, Alaska 99504

LABORATORY ANALYSIS REPORT

For Busty Bell Mines, Inc. Address Rm 212, Nerland Bldg. - Fairbanks

Number of Samples 5 Date Sample Received January 24, 1967

Work Done:
A. X-ray fluorescence quant. ☐ , semi-quant. ☐
B. X-ray diffraction ☐
C. Spectrographic quant. ☐ , semi-quant ☐
D. Fire assay ☒
E. Identification ☐
F. Other ☐ _____

Laboratory Number	Sample Marked	Analysis or Identification		
		Ounces per ton Au	Ag	Tungsten
32709	342	trace	nil	trace
32710	348	nil	nil	trace
32711	358	0.02	nil	trace
32712	368	0.01	nil	trace
32713	Vic Rohrbough (footage unknown)	trace	nil	trace

Donald R. Stein
D - Don Stein Analyst

Analyst

Analyst

Approved: Donald H. Richter
Donald H. Richter

NOTE: Samples discarded after 60 days and pulps after 6 months unless instructed otherwise.

DM-11
Rev. 8/66

Report No. 692

Date of Report February 9, 1967

STATE OF ALASKA
Department of Natural Resources
DIVISION OF MINES AND MINERALS
3001 Porcupine Drive, Anchorage, Alaska 99504

LABORATORY ANALYSIS REPORT

For Busty Belle Mines, Inc. Address Room 212, Nerland Building, Fairbanks

Number of Samples 1 Date Sample Received January 24, 1967

Work Done:
A. X-ray fluorescence quant. ☐ , semi-quant. ☐
B. X-ray diffraction ☐
C. Spectrographic quant. ☐ , semi-quant ☐
D. Fire assay ☒
E. Identification ☐
F. Other ☐ _____

Laboratory Number	Sample Marked	Analysis or Identification	
		Ounces per ton	
		Au	Ag
32706	300 ft	0.01	nil

Donald R. Stein
Analyst

D - Don Stein
Analyst

Analyst

Approved: Donald H. Richter
Donald H. Richter

DM-11
Rev. 8/66

Report No. 689

Date of Report February 9, 1967

STATE OF ALASKA
Department of Natural Resources
DIVISION OF MINES AND MINERALS
3001 Porcupine Drive, Anchorage, Alaska 99504

LABORATORY ANALYSIS REPORT

For Busty Bell Mines, Inc. Address Rm 212, Nerland Bldg. - Fairbanks

Number of Samples 8 Date Sample Received January 9, 1967

Work Done:
A. X-ray fluorescence quant. ☐ , semi-quant. ☐
B. X-ray diffraction ☐
C. Spectrographic quant. ☐ , semi-quant ☒
D. Fire assay ☒
E. Identification ☐
F. Other ☐

Laboratory Number	Sample Marked	Analysis or Identification					
		Ounces per ton					
		Au	Ag	Pb	WO_3	Mo	
32675	285'	0.01	nil	nil	0.01-0.001%	nil	no visible sulfides
32676	295'	trace	nil	nil	0.01%	nil	no visible sulfides
32677	305'	trace	0.06	nil	0.1-0.01%	nil	no visible sulfides
32678	315'	0.02	0.01	nil	nil	nil	no visible sulfides
32679	325'	trace	trace	nil	0.001%	nil	trace of sulfides trace of free-milling gold
32680	Limestone	0.35	trace	nil	0.01%	nil	trace of pyrite
32681	Arsenopyrite	trace	nil	0.001%	nil	nil	heavy arsenopyrite free-milling gold
32682	335'	trace	nil	nil	trace	nil	trace of pyrite

Donald R. Stein
D - Don Stein Analyst

D - Willow Burand Analyst

Analyst

Approved: Donald H. Richter
Donald H. Richter

NOTE: Samples discarded after 60 days and pulps after 8 months unless instructed otherwise.

DM-11
Rev. 8/66

RECEIVED
DEC 16 1966

Report No. 652

Date of Report December 13, 1966

STATE OF ALASKA
Department of Natural Resources
DIVISION OF MINES AND MINERALS
3001 Porcupine Drive, Anchorage, Alaska 99504

Warren A. Taylor

LABORATORY ANALYSIS REPORT

For Busty Belle Mines, Inc. Address Rm. 212, Nerland Bldg. - Fairbanks

Number of Samples 1 Date Sample Received November 18, 1966

Work Done:
A. X-ray fluorescence quant. ☐ , semi-quant. ☐
B. X-ray diffraction ☐
C. Spectrographic quant. ☐ , semi-quant ☐
D. Fire assay ☐
E. Identification ☒
F. Other ☒

Laboratory Number	Sample Marked	Analysis or Identification	
		Identification:	Weight percent WO_3
32585 (19167)	none	Scheelite in limestone	1.33

Ronald R. Stein
E - Don Stein Analyst

F - Coast Eldridge Analyst

Analyst

Approved: D. H. Richter
Donald H. Richter

NOTE: Samples discarded after 60 days and pulps after 6 months unless instructed otherwise.

DM-11
Rev. 8/66

Report No. 602

Date of Report November 25, 1966

STATE OF ALASKA
Department of Natural Resources
DIVISION OF MINES AND MINERALS
3001 Porcupine Drive, Anchorage, Alaska 99504

LABORATORY ANALYSIS REPORT

For Busty Belle Mines Address Rm 212, Nerland Bldg. - Fairbanks

Number of Samples 1 Date Sample Received November 15, 1966

Work Done:
A. X-ray fluorescence quant. ☐ , semi-quant. ☐
B. X-ray diffraction ☐
C. Spectrographic quant. ☐ , semi-quant ☐
D. Fire assay ☒
E. Identification ☐
F. Other ☐

Laboratory Number	Sample Marked	Analysis or Identification	
		Ounces per ton	
		Au	Ag
32581	drift @ 255	nil	nil

D - Don Stein Analyst

Analyst

Analyst

Approved: Donald H. Richter
Donald H. Richter

DM-11
Rev. 8/66

Report No. 598

Date of Report 11-21-66

STATE OF ALASKA
Department of Natural Resources
DIVISION OF MINES AND MINERALS
3001 Porcupine Drive, Anchorage, Alaska 99504

LABORATORY ANALYSIS REPORT

For Busty Belle Mines Address Room 212 Nerland Bldg., Fairbanks, Alaska

Number of Samples 5 Date Sample Received 10-24-66

Work Done:
A. X-ray fluorescence quant. ☐ , semi-quant. ☐
B. X-ray diffraction ☐
C. Spectrographic quant. ☐ , semi-quant ☐
D. Fire assay ☒
E. Identification ☐
F. Other ☐

Laboratory Number	Sample Marked	Analysis or Identification	
		Ounces per ton Au	Ag
32476	190'	0.02	trace
32477	200'	0.02	trace
32478	210'	0.04	trace
32479	220'	trace	trace
32480	210' (Pat O'Brion)	0.01	trace

D - Don Stein
Analyst

Analyst

Analyst

Approved: D. H. Richter
D. H. Richter

DM-11
Rev. 8/66

Report No. 583

STATE OF ALASKA
Department of Natural Resources
DIVISION OF MINES AND MINERALS
3001 Porcupine Drive, Anchorage, Alaska 99504

Date of Report November 10, 1966

RECEIVED
NOV 15 1966

LABORATORY ANALYSIS REPORT

For Busty Belle Mining Company Address Rm 212 Nerland Bldg. - Fairbanks. Warren A. Taylor

Number of Samples 7 Date Sample Received October 11, 1966

Work Done:
A. X-ray fluorescence quant. ☐ , semi-quant. ☐
B. X-ray diffraction ☐
C. Spectrographic quant. ☐ , semi-quant ☐
D. Fire assay ☒
E. Identification ☐
F. Other ☐

Laboratory Number	Sample Marked	Analysis or Identification	
		Ounces per ton	
		Au	Ag
32288	Gouge @ 160	trace	0.30
32289	Grab @ 160	0.02	trace
32290	Grab @ 165	0.01	nil
32291	Grab @ 174	0.02	nil
32292	Grab @ 179	0.02	trace
32293	Grab @194	0.02	trace
32294	Grab @ 200	0.02	trace

D - Don Stein Analyst

Analyst

Analyst

Approved: Donald H. Richter

Donald H. Richter

NOTE: Samples discarded after 60 days and pulps after

DM-11
Rev. 8/66

Report No. 440

STATE OF ALASKA
Department of Natural Resources
DIVISION OF MINES AND MINERALS
3001 Porcupine Drive, Anchorage, Alaska 99504

Date of Report Sept. 26, 1966

LABORATORY ANALYSIS REPORT

For Busty Belle Mine Address 212 Nerland Bldg. - Fairbanks

Number of Samples 2 Date Sample Received Sept. 8, 1966

Work Done:
A. X-ray fluorescence quant. ☐ , semi-quant. ☐
B. X-ray diffraction ☐
C. Spectrographic quant. ☐ , semi-quant ☐
D. Fire assay ☒
E. Identification ☐
F. Other ☐

Laboratory Number	Sample Marked	Analysis or Identification	
		Ounces per ton	
		Au	Ag
31813	2	trace	nil
31814	3	0.02	0.20

D - Don Stein Analyst

Analyst

Analyst

Approved: Donald H. Richter by H.O. Clio
Donald H. Richter

NOTE: Samples discarded after 60 days and mailed after 2 months [illegible]

-11
/65

Report No. 402

STATE OF ALASKA
Department of Natural Resources
DIVISION OF MINES AND MINERALS
3001 Porcupine Drive, Anchorage, Alaska 99504

RECEIVED

Date of Report Sept.7.1966

Warren A. Taylor

LABORATORY REPORT

For Busty Belle Mines Address c/o Warren Taylor, Nerland Bldg., Fairbanks

Number of Samples 1 Date Received Aug. 24, 1966

Work Done:
A. X-ray fluorescence quant. ☐ , semi-quant. ☐
B. X-ray diffraction ☐
C. Spectrographic quant. ☐ , semi-quant. ☐
D. Fire assay ☒
E. Identification ☐
F. Other ☐

Laboratory Number	Sample Marked	Analysis or Identification	
		Ounces per ton	
		Au	Ag
31674	calcite seam	0.01	nil

D - Don Stein Analyst

Analyst

Approved: Donald N. Richter

Donald N. Richter

Report No. 384

Date of Report Sept.7,1966

STATE OF ALASKA
Department of Natural Resources
DIVISION OF MINES AND MINERALS
3001 Porcupine Drive, Anchorage, Alaska 99504

LABORATORY REPORT

For Busty Belle Mines Address Box 1498 - Fairbanks, Alaska

Number of Samples 1 Date Received Aug.9,1966

Work Done:
A. X-ray fluorescence quant. ☐ , semi-quant. ☐
B. X-ray diffraction ☐
C. Spectrographic quant. ☐ , semi-quant. ☒
D. Fire assay ☒
E. Identification ☐
F. Other ☐

Laboratory Number	Sample Marked	Analysis or Identification		
		Ounces per ton Au	Ounces per ton Ag	Spectrographic analysis on lead weight percent
31532	Ome #1	0.02	0.16	0.001-0.01%

Busty Belle ch

C,D - Don Stein Analyst

Analyst

Approved: Donald H. Rutter

DM-11
Rev. 8/66

Report No. 755

Date of Report April 18, 1967

STATE OF ALASKA
Department of Natural Resources
DIVISION OF MINES AND MINERALS
3001 Porcupine Drive, Anchorage, Alaska 99504

LABORATORY ANALYSIS REPORT

For Busty Belle Mines Address Rm. 212, Nerland Bldg., Fairbanks, Alaska

Number of Samples 8 Date Sample Received April 11, 1967

Work Done:
A. X-ray fluorescence quant. ☐ , semi-quant. ☐
B. X-ray diffraction ☐
C. Spectrographic quant. ☐ , semi-quant ☒
D. Fire assay ☒
E. Identification ☐
F. Other ☐ _____

Laboratory Number	Sample Marked	Analysis or Identification				
		D. Ounces per ton Gold	Silver	C. Major	Minor	Trace
32874	cross cut @ 15'	trace	trace	silicon calcium aluminum	sodium potassium magnesium iron	titanium barium manganese chromium lithium copper zinc molybdenum
				Sample contains a trace of pytie		
32875	cross cut @ 35'	trace	trace	silicon calcium aluminum	sodium potassium magnesium iron	titanium barium manganese chromium lead 0.001% tungsten 0.001% molybdenum 0.001% lithium
				Sample contains a trace of pyrite		

Donald R. Stein
Analyst

C, D - Donald R. Stein
Analyst

Analyst

Approved: Gordon Herreid

DM-11
Rev. 8/66

Report No. 755

Date of Report April 18, 1967

STATE OF ALASKA
Department of Natural Resources
DIVISION OF MINES AND MINERALS
3001 Porcupine Drive, Anchorage, Alaska 99504

LABORATORY ANALYSIS REPORT

For Busty Belle Mines Address Rm. 212, Nerland Bldg., Fairbanks, Alaska

Number of Samples 8 Date Sample Received April 11, 1967

Work Done:
A. X-ray fluorescence quant. ☐ , semi-quant. ☐
B. X-ray diffraction ☐
C. Spectrographic quant. ☐ , semi-quant ☒
D. Fire assay ☒
E. Identification ☐
F. Other ☐ — — — — — — — — — —

Laboratory Number	Sample Marked	Analysis or Identification				
		D. Ounces per ton Gold	Silver	C. Major	Minor	Trace
32876	crosscut @ 45'	trace	trace	Analysis similar to 32874. Sample contains a trace of pyrite.		
32877	crosscut @ 55'	trace	trace	silicon calcium aluminum	sodium potassium magnesium iron	titanium barium manganese chromium lithium zinc
				Sample contains a trace of pyrite.		
32878	crosscut @ 65'	trace	trace	silicon calcium aluminum	sodium potassium magnesium iron	titanium barium manganese chromuim lithium zinc molybdenum
				Sample contains a trace of pyrite.		
32879	crosscut @ 75'	nil	nil	silicon calcium aluminum	sodium potassium magnesium iron	titanium barium manganese chromium lithium zinc tungsten molybdenum (?)

Donald R. Stein
Analyst

C, D - Donald R. Stein
Analyst

Analyst

Approved: Gordon Herreid
Gordon Herreid

NOTE: Samples discarded after 60 days and pulps after 6 months unless instructed otherwise.

DM-11
Rev. 8/66

Report No. 755

Date of Report April 18, 1967

STATE OF ALASKA
Department of Natural Resources
DIVISION OF MINES AND MINERALS
3001 Porcupine Drive, Anchorage, Alaska 99504

LABORATORY ANALYSIS REPORT

For Busty Belle Mines Address Rm. 212, Nerland Bldg., Fairbanks, Alaska

Number of Samples 8 Date Sample Received April 11, 1967

Work Done:
A. X-ray fluorescence quant. ☐ , semi-quant. ☐
B. X-ray diffraction ☐
C. Spectrographic quant. ☐ , semi-quant ☒
D. Fire assay ☒
E. Identification ☐
F. Other ☐

Laboratory Number	Sample Marked	Analysis or Identification				
		D. Ounces per ton Gold	Silver	C. Major	Minor	Trace
32880	crosscut @ 85'	nil	nil	silicon calcium aluminum	sodium potassium magnesium iron	titanium barium manganese chromium lithium zinc tungsten molybdenum (?)
				Sample contains a trace of pyrite.		
32881	crosscut @ 95'	trace	nil	silicon calcium aluminum	sodium potassium magnesium iron	titanium barium manganese chromium tungsten lithium zinc molybdenum 0.001
				Sample contains a trace of pyrite.		

Donald R. Stein
Analyst

C, D - Donald R. Stein
Analyst

Analyst

Approved: Gordon Herreid

NOTE: Samples discarded after 60 days and pulps after 6 months unless instructed otherwise.

DM-11
Rev. 8/66

Report No. 722

STATE OF ALASKA
Department of Natural Resources
DIVISION OF MINES AND MINERALS
3001 Porcupine Drive, Anchorage, Alaska 99504

Date of Report March 14, 1967

LABORATORY ANALYSIS REPORT

For Busty Belle Mines, Inc. Address Rm. 212 - Nerland Bldg. - Fairbanks

Number of Samples 1 Date Sample Received February 24, 1967

Work Done:
A. X-ray fluorescence quant. ☐ , semi-quant. ☐
B. X-ray diffraction ☐
C. Spectrographic quant. ☐ , semi-quant ☒
D. Fire assay ☒
E. Identification ☐
F. Other ☐

Laboratory Number	Sample Marked	Analysis or Identification				
		Ounces per ton		Spectrographic Analysis		
		Au	Ag	Major	Minor	Trace
32835	50'in x-cut	nil	0.20	silicon calcium	aluminum sodium titanium barium iron magnesium	potassium lithium arsenic lead 0.01% tin - trace silver - trace

A few thin stringers of vein quartz showing arsenic stain are present in the sample.

RECEIVED
MAR 17 1967

Warren A. Taylor

Don Stein Analyst

Analyst

Analyst

Approved: Gordon Herreid

NOTE: Samples discarded after 60 days and pulps after 6 months unless instructed otherwise.

DM-11
Rev. 8/66

STATE OF ALASKA
Department of Natural Resources
DIVISION OF MINES AND MINERALS
3001 Porcupine Drive, Anchorage, Alaska 99504

RECEIVED
MAR 22 1967

Report No. 731

Date of Report March 20, 1967

Warren A. Taylor

LABORATORY ANALYSIS REPORT

For Busty Belle Mines, Inc. Address Rm. 212, Nerland Bldg. - Fairbanks

Number of Samples 3 Date Sample Received March 14, 1967

Work Done:
A. X-ray fluorescence quant. ☐ , semi-quant. ☐
B. X-ray diffraction ☐
C. Spectrographic quant. ☐ , semi-quant ☒
D. Fire assay ☒
E. Identification ☒
F. Other ☐

Laboratory Number	Sample Marked	Analysis or Identification				
		Ounces per ton				
		Au	Ag	Mo	W	Pb
32846	63 ft. in NE drift	0.01	trace	nil	nil	trace
		Sample contains a trace of pyrite.				
32847	78 ft. in NE drift	nil	trace	nil	nil	trace
		Sample contains a trace of pyrite.				
32848	2 ft. above bottom of ftwl. side at 1st seepage in x-cut	0.01	trace	nil	nil	trace
		Sample contains small amount of arsenopyrite(?).				

cc: Robert Chapman
U. S. Geological Survey
School of Mines Bldg.
College, Alaska

Don Stein Analyst

Analyst

Analyst

Approved: Gordon Herreid

NOTE: Samples discarded after 60 days and pulps after 6 months unless instructed otherwise.

Office of Minerals Exploration
345 Middlefield Road
Menlo Park, California 94025

April 24, 1967

Mr. Warren A. Taylor
Busty Belle Mines, Inc.
P.O. Box 200
Fairbanks, Alaska 99701

Re: OME-6534 (Silver-Gold)
Busty Belle Mines, Inc.
Silvertone and Cottonwood Claims
Fairbanks Recording District, Alaska
Contract No. 2221

Dear Mr. Taylor:

Your voucher and report (MME Forms 60 and 61) for the month of March 1967 have been received, but you did not include the required narrative report that should accompany them. Please refer to my letter of February 9, 1967, concerning narrative reports.

I will hold your March voucher and report in this office until the narrative report is received at which time I will forward them to Washington, D. C. for processing and payment.

Sincerely yours,

H. K. Stager
Field Officer
OME, Region II

cc:
Chief, OME, WDC
Director RF
ACG RF
Docket
MP RF
HKStager:mlb
4-24-67

3/13/67 MA

OFFICIAL COPY O. M. E. RECEIVED APR 28 1967

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION

Docket No. OME 6534
Contract No. 14-23-090-2221
Contract Amount $ 34,200.00
Gov't. Participation %62.5 $21,375.00
Mineral(s)

OPERATOR'S MONTHLY VOUCHER

For Month of February/67

Operator's Name Busty Belle Mines - Inc.
Address 212 Nerland Bldg. - Fairbanks, Alaska - 99701

COST CATEGORIES	FOR OPERATOR'S USE			FOR GOVERNMENT APPROVAL ONLY		
	MONTHLY TOTAL	PREVIOUSLY REPORTED	TOTALS TO DATE	MONTHLY TOTAL	PREVIOUSLY REPORTED	TOTALS TO DATE
Fixed Unit Costs and						
(1) Independent Contracts:						
Bulldozing						
Drifting	3,264.00	19,533.00	22,797.00			
Crosscutting						
Drilling						
Mobilization	- 0 -	1,550.00	1,550.00			
Road & Portal	- 0 -	830.00	830.00			
(2) Personal Services:						
Supervision & Technical						
Outside Consultants						
Labor Accounting	- 0 -	200.00	200.00			
(3) Operating Mat'l. & Supplies:						
Timber	- 0 -	705.50	705.50			
Explosives						
Pipe						
Rail						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehab. & Repairs:						
Buildings, Fixtures, etc.						
Operating Equipment						
(6) New Buildings, Fixtures, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Analytical Work						
Payroll Taxes						
Employee's Liability Ins.						
TOTALS	3,264.00	22,818.50	26,082.50			

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

Date March 2, 1967 *Payee Busty Belle Mines, Inc.

Per Clement A. Taylor Title President

* 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.

A willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction is a criminal offense. (U.S. Code, Title 18, Sec. 1001.)

(INSTRUCTIONS ON REVERSE)

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

$ 2,040.00 14X0804

Signature jdm
(Authorized Certifying Officer)

Date MAR 28 1967 Vou. No. 7583

(SEE OTHER SIDE)

Certification by Government Representative:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating an exploration project in accordance with the terms of Contract No. 2221

Signature H Kottager Title FIELD OFFICER Date MARCH 9, 1967

Approved by OME Executive Officer or Alternate: OME, REGION II

Signature H Kottager Title FIELD OFFICER Date MARCH 9, 1967

OPERATOR'S MONTHLY REPORT

The Operator, under an Office of Minerals Exploration contract, is required to report monthly to the Government. The report consists of three parts.

FIRST, the Operator's Monthly Voucher on MME Form 60 listing the project costs incurred and claimed by the Operator is the voucher basis for payment of the Government's share of the cost.

SECOND, the Operator's Progress Report on MME Form 61 is a statistical report of the units and cost of of work performed under the contract.

THIRD, the Operator's Narrative Report is a concise description of the work performed, results accomplished, and any unusual situations encountered, illustrated and supported by engineering-geological maps or sketches, drill hole logs, assay reports, etc., as pertinent.

The Operator submits the original and four copies of each of the three sections of this report to the OME regional Executive Officer at the end of each month during the life of the contract.

PREPARATION OF OPERATOR'S MONTHLY VOUCHER, MME FORM 60

After all applicable spaces are filled in, the Operator or his agent must sign the certification in the lower left corner. Categories (2) through (7) apply to "Actual Cost" contracts only.

Under "Fixed Unit Costs" and Category (1) report, (a) the total fixed unit costs of work performed under contract provisions for contribution by the Government on a basis of "fixed unit costs"; and (b) the claimed costs of work performed on a unit-price basis by independent contractors.

Under Category (2) include the claimed costs of all payrolled and invoiced supervisory, technical, and labor personnel, except the costs for services applicable to Categories (5) and (6).

Under Category (3) include the claimed costs of all project materials and supplies other than those used for work under Categories (5) and (6).

Under Category (4) report claimed rentals on equipment belonging to a third party, claimed payments or obligations for payments on the Operator's purchase of equipment, and claimed depreciation for the use of Operator-owned equipment.

Under Categories (5) and (6) include all claimed costs of labor, supervision, technical services, operating materials and supplies, and all other items used in (5) the initial rehabilitation and repairs of existing buildings, fixtures, installations (exclusive of mine workings), and operating equipment; and (6) the installation or construction of new buildings, fixtures, and fixed improvements (exclusive of mine workings). Do not report these costs under Categories (2), (3), (4), and (7).

Under Category (7) include all miscellaneous claimed costs such as repairs (other than initial) and maintenance of equipment, sampling and analysis, travel, communication, accounting, office expenses, and the Operator's share of payroll taxes and insurance.

Except for amounts claimed under "fixed unit costs" provisions of the contract, all costs claimed in this voucher must be supported by documentary evidence consisting of: (a) certified copies or transcripts of payrolls which list each employee, wage rate, period of employment, gross earnings, itemized deductions, and net earnings; (b) original or certified copies of invoices, statements of accounts, or purchase orders which indicate items of materials or services, quantities, unit prices, total charges, and payment terms; and (c) certified memoranda of the Operator for such items as depreciation of Operator-owned equipment, unemployment taxes, and employee's liability insurance. The certification may be stated thus, "Certified True Copy (or Transcript)", followed by the signature of the Operator or his agent. One copy of each document should accompany the original of this voucher.

The requirement for submitting documentary evidence of claimed costs may be waived by the OME regional Executive Officer if he determines that it is impracticable for an Operator to submit this material. In any case of waiver of this requirement an "on-site" audit by an OME auditor is mandatory prior to payment of the final Operator's Monthly Voucher.

3/13/RMA.

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION

OPERATOR'S PROGRESS REPORT For Month of February, 1967 Docket No. OME 6534

Operator's Name Busty Belle Mines - Inc. Contract No. 14-23-090-2221

OPERATION	UNITS	FOR OPERATOR'S USE: UNITS THIS MONTH	UNITS TO DATE	COSTS TO DATE	FOR GOVERNMENT USE: APPROVED UNITS THIS MONTH	APPROVED UNITS TO DATE	APPROVED COSTS TO DATE
Drifting	500	64½	447	22,797.00	64	447	$22,797.00
Crosscutting							
Raising							
Shafts							
Winzes							
Other Underground							
Drilling, Core-Diamond							
Rotary							
Drilling, Non-core-Diamond							
Rotary							
Churn							
Percussion							
Miscellaneous							
Timbering	500	-0-	85	705.50	0	85	705.50
Roads and Trails	1	-0-	1	830.00	0	1	830.00
Stripping Mobilization	1	-0-	1	1,550.00	0	1	1,550.00
Trenching Accounting	4	-0-	4	200.00	0	4	200.00
Test Pitting							
Other Surface Work							
Initial Rehabilitation and Repairs							
Rehabilitation of Mine Workings							
New Buildings, Fixtures, etc.							
Operating Equipment Purchases							
Analytical Work							
TOTAL TO DATE *(per MME Form 60)*				26,082.50			$26,082.50

REMARKS

(Continue on back)

REMARKS

(Continue on back)

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

Date March 2, 1967 Operator Busty Belle Mines, Inc.

Per Warren A. Taylor Title President

Warran A. Taylor

A willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction is a criminal offense. (U.S. Code, Title 18, Sec. 1001.)

I certify that the information above is complete and accurate to the best of my knowledge and belief.

Signature [illegible]

Title Field Officer, OME Region IV
Government Representative

Date March 9, 1967

(INSTRUCTIONS ON REVERSE)

REMARKS *(Cont.)*

REMARKS *(Cont.)*

INSTRUCTIONS FOR PREPARING OPERATOR'S PROGRESS REPORT, MME FORM 61

This report is the second of the three parts of the Operator's Monthly Report. Submit the original and four copies.

The cost for each operation should be the total of all claimed costs attributable to that type of work with two exceptions, namely—operating equipment purchased and analytical work which are stated separately. For example, drifting costs should be the total of all costs chargeable to drifting including supervision, technical services, timbering (if any), etc. Similarly, drilling costs should include the cost of cementing, reaming, core boxes, etc. This procedure of distribution holds whether the contract was written on an actual cost or a unit cost basis, or some combination of the two. Distribute the cost of such general items as supervision, equipment rented, etc. according to relative footages or on some other conventional basis. The item "Initial Rehabilitation and Repairs" covers all rehabilitation and/or repairs other than the rehabilitation of mine workings.

The item titled "Drilling, Non-core Percussion" includes all drilling performed with wagon, jack-hammer, stoper and mounted drills. The several items labelled "Other" are provided to take care of particular exploration operations not specified on this form.

Narrative

Progress during the month of February was much like previous months. Although the weather has been sort of milding a little, the days are getting a little longer and this all helps in ever so many ways.

We are contemplating the use of a Diamond Drill to further pin point the Mineralized areas.

Everyone concerned with this Mine are sure hoping for the best, although we do have quite a few feet to reach our 500 ft goal. The writer wishes he had the gift of phrasing so as to more aptly describe this operation, although I feel you on that end are quite familiar with this area, so with this I will close for another month.

Sincerely,

Pat

RECEIVED
MAR 7 1967
OFFICE OF MINERALS EXPLORATION
U.S. GEOLOGICAL SURVEY
MENLO PARK, CALIF.

IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

G-ALAS-RMC

ALASKAN GEOLOGY BRANCH
BOX 580
COLLEGE, ALASKA 99701

March 6, 1967

Mr. H. K. Stager, Field Officer
OME, Region II
U.S. Geological Survey
345 Middlefield Road
Menlo Park, California 94025

(OME-6534 Silver-Gold)
Busty Belle, Inc.

Dear Hal:

I made a brief examination on February 28 of the adit and crosscut work that has been done since January 14 at the Busty Belle property, and took rough measurements to the faces. The total distance from portal to face in the main adit is about 379 feet. The crosscut departs from the adit at the dog-leg bend, 300 feet in from the portal, and had a length of about 67 feet. The trend is about N. 16° W., exclusive of the short curved portion where it leaves the adit.

No shows of sulfides were seen or reported in the crosscut, or the portion of the adit between 368 and 379 feet. In the crosscut the general character of the quartz diorite (including numerous joints, fractures, probably minor faults, calcite and some quartz veinlets along these planes, and scattered showings of scheelite and/or powellite) is the same as previously noted in the adit. The rock in the face of the crosscut at 67 feet was reported to be particularly hard, and the miners were having difficulty in drilling out the next round. It appeared that there was more than the usual number of thin quartz and calcite veinlets showing in the face, and this may account for the drilling difficulties.

I have the copies of the exchange of letters between Warren Taylor and you dated February 22 and 27. His letter is typical of his loose handling of facts. Measurements made by both Mel Anderson and myself show a remaining drifting footage of about 54 feet as of February 28. There is no evidence to support Taylor's statement that "... we are getting into a heavy mineralized zone ...". It was only last week that I became aware of the operator's interest in doing any underground core drilling. I have not yet had a chance to discuss this with any of the operators, and have not, as Taylor suggests, ventured any opinion on whether or not such drilling is warranted.

From the exposures now visible in the adit and crosscut, it appears to me that the possibilities for ore reserves or for the downward extension of distinct sulfide-bearing veins are very poor. If more footage can be

obtained from the remaining money by drilling instead of drifting, this would be a desirable change. Also, drilling out from the present faces could certainly cover a broader area. I would expect core recovery to be good in the quartz diorite, and, by extrapolating from what can already be seen in the adit, it should be easy to identify any mineralized zones in the cores.

Sincerely,

Bob

Robert M. Chapman
Geologist in charge
College office

RECEIVED
MAR 7 1967
OFFICE OF MINERALS EXPLORATION
U.S. GEOLOGICAL SURVEY
MENLO PARK, CALIF.

OPTIONAL FORM NO. 10
MAY 1962 EDITION
GSA GEN. REG. NO. 27

5010-108

UNITED STATES GOVERNMENT

Memorandum

TO : H. K. Stager
OME, Region II, Menlo Park

DATE: March 8, 1967

FROM : Robert M. Chapman
Alaskan Geology Branch, College

SUBJECT: Busty Belle Mines, Inc. (OME-6534)

Since writing to you on March 6 about the current status of the Busty Belle project, I have talked with 2 members of the company, Mel Anderson and John Rasor. Both of them are interested in further exploration of their ground by means of underground drilling, but neither of them proposed to substitute drilling for completion of the allowable 500 feet of drifting. They were under the impression that the decision, which was made in one of their recent meetings, was to do some drilling after all the adit and crosscut footage was completed.

About 10 more feet of advance has been made in the crosscut since February 28, and thus a little less than 50 feet remains under the OME contract. Both Anderson and Rasor feel that it would not be worth it to try to amend the contract to convert this amount of drifting to drilling, so I think we shall hear no more of Taylor's proposal. However, they might hit upon the idea of a new OME contract.

Bob

RECEIVED
MAR 10 1967
OFFICE OF MINERALS EXPLORATION
U.S. GEOLOGICAL SURVEY
MENLO PARK, CALIF.

Office of Minerals Exploration
345 Middlefield Road
Menlo Park, California 94025

February 27, 1967

Mr. Warren A. Taylor
Busty Belle Mines, Inc.
P.O. Box 200
Fairbanks, Alaska 99701

Re: OME-6534 (Silver-Gold)
Busty Belle Mines, Inc.
Silvertone and Cottonwood Claims
Fairbanks Recording District, Alaska
Contract No. 2221

Dear Mr. Taylor:

In reply to your letter of February 22, 1967, inquiring if the remaining drift and crosscut footage could be amended to diamond drilling, this is to advise you that such amendment is possible. However, we would require justification for such a change in the contract indicating a favorable target for the drilling and a favorable recommendation by Mr. Chapman. We would need to know the location of the proposed drilling, length, bearing, and inclination of each hole. An accurate estimate of the drilling costs would be necessary and copies of bids if you are planning to subcontract the job.

Sincerely yours,

H. K. Stager
Field Officer
OME, Region II

cc: R. M. Chapman -w/copy incoming letter
Chief, OME, WDC "
ACG RF
MP RF
Docket
HKStager:mlb
2-27-67

WARREN A. TAYLOR
ATTORNEY AT LAW
212 NERLAND BUILDING
P. O. BOX 200
FAIRBANKS, ALASKA 99701

TELEPHONE 452-3170

22 February 1967

RECEIVED
FEB 27 1967
OFFICE OF MINERALS EXPLORATION
U.S. GEOLOGICAL SURVEY
MENLO PARK, CALIF.

Office of Mineral Exploration
345 Middlefield Road
Menlo Park, California 99701

(OME-6534)

RE: PME-6543 (Silver Gold)
ATTN: H. L. Stager

Gentlemen:

The Busty Belle Mines, Inc., has drifted 400 feet, and has another 100 feet on our contract on the Silvertone and Cottonwood Claims.

We have a diamond drill available which we can have the use of at a very nominal sum.

I t appears that we are getting into a heavy mineralized zone, and a majority of the directors feel that we might show up the extent by core drilling.

Will you advise me if there would be any objection to using this drill to explore that area beyond the face of the adit. I believe we could drill at least 1,000 feet at a cost of $10.00 per foot or less. I believe that we have ample money under our contract to do this drilling job.

Mr. Bruce Thomas and Earl Beistline believe this is advisable. Although I have not talked personally to Mr. Chapman, I am informed that he believes this drilling is warranted.

It will be appreciated if you can advise me if this can be done as soon as possible so that we can get set up for drilling, if approved.

Everything has progressed very well in our drifting with the exception that for about ten days or two weeks the temperature got too low for comfort and the crew did not work.

Sincerely yours,

BUSTY BELLE MINES, INC.
Warren A. Taylor

MME FORM 60
SEPT. 1958

OFFICIAL COPY
O. M. E.
RECEIVED
FEB 16 1967
INITIALS

RMA

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION

Docket No. OTE 6534
Contract No.
14-23-090- 2221
Contract Amount $ 34,200.00
Gov't. Participation 62.5 $21,375.00
Mineral(s)

OPERATOR'S MONTHLY VOUCHER

For Month of January/67

Operator's Name Dusty Belle Mines - Inc.
Address 212 Nerland Bldg. - Fairbanks, Alaska - 99701

COST CATEGORIES	FOR OPERATOR'S USE			FOR GOVERNMENT APPROVAL ONLY		
	MONTHLY TOTAL	PREVIOUSLY REPORTED	TOTALS TO DATE	MONTHLY TOTAL	PREVIOUSLY REPORTED	TOTALS TO DATE
Fixed Unit Costs and						
(1) Independent Contracts:						
Bulldozing						
Drifting	2,244.00	17,289.00	19,533.00			
Crosscutting						
Drilling						
Mobilization	- 0 -	1,550.00	1,550.00			
Road & Portal	- 0 -	830.00	830.00			
(2) Personal Services:						
Supervision & Technical						
Outside Consultants						
Labor Accounting	- 0 -	200.00	200.00			
(3) Operating Mat'l. & Supplies:	- 0 -	705.50	705.50			
Timber						
Explosives						
Pipe						
Rail						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehab. & Repairs:						
Buildings, Fixtures, etc.						
Operating Equipment						
(6) New Buildings, Fixtures, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Analytical Work						
Payroll Taxes						
Employee's Liability Ins.						
TOTALS	2,244.00	20,574.50	22,818.50			

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

Date Feb 1, 1967 *Payee Dusty Belle Mines, Inc.

Per Warren A Seeley Title President

* 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.

A willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction is a criminal offense. (U.S. Code, Title 18, Sec. 1001.)

(INSTRUCTIONS ON REVERSE)

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

$ 1,402.50 14X0804

Signature John
(Authorized Certifying Officer)

Date FEB 15 1967 Vou. No. 6259

(SEE OTHER SIDE)

Certification by Government Representative:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating an exploration project in accordance with the terms of Contract No. 2221

Signature [illegible] Title FIELD OFFICER Date FEB 6 1967

Approved by OME Executive Officer or Alternate: OME REGION II

Signature [illegible] Title FIELD OFFICER Date FEB 6 1967

OPERATOR'S MONTHLY REPORT

The Operator, under an Office of Minerals Exploration contract, is required to report monthly to the Government. The report consists of three parts.

FIRST, the Operator's Monthly Voucher on MME Form 60 listing the project costs incurred and claimed by the Operator is the voucher basis for payment of the Government's share of the cost.

SECOND, the Operator's Progress Report on MME Form 61 is a statistical report of the units and cost of of work performed under the contract.

THIRD, the Operator's Narrative Report is a concise description of the work performed, results accomplished, and any unusual situations encountered, illustrated and supported by engineering-geological maps or sketches, drill hole logs, assay reports, etc., as pertinent.

The Operator submits the original and four copies of each of the three sections of this report to the OME regional Executive Officer at the end of each month during the life of the contract.

PREPARATION OF OPERATOR'S MONTHLY VOUCHER, MME FORM 60

After all applicable spaces are filled in, the Operator or his agent must sign the certification in the lower left corner. Categories (2) through (7) apply to "Actual Cost" contracts only.

Under "Fixed Unit Costs" and Category (1) report, (a) the total fixed unit costs of work performed under contract provisions for contribution by the Government on a basis of "fixed unit costs"; and (b) the claimed costs of work performed on a unit-price basis by independent contractors.

Under Category (2) include the claimed costs of all payrolled and invoiced supervisory, technical, and labor personnel, except the costs for services applicable to Categories (5) and (6).

Under Category (3) include the claimed costs of all project materials and supplies other than those used for work under Categories (5) and (6).

Under Category (4) report claimed rentals on equipment belonging to a third party, claimed payments or obligations for payments on the Operator's purchase of equipment, and claimed depreciation for the use of Operator-owned equipment.

Under Categories (5) and (6) include all claimed costs of labor, supervision, technical services, operating materials and supplies, and all other items used in (5) the initial rehabilitation and repairs of existing buildings, fixtures, installations (exclusive of mine workings), and operating equipment; and (6) the installation or construction of new buildings, fixtures, and fixed improvements (exclusive of mine workings). Do not report these costs under Categories (2), (3), (4), and (7).

Under Category (7) include all miscellaneous claimed costs such as repairs (other than initial) and maintenance of equipment, sampling and analysis, travel, communication, accounting, office expenses, and the Operator's share of payroll taxes and insurance.

Except for amounts claimed under "fixed unit costs" provisions of the contract, all costs claimed in this voucher must be supported by documentary evidence consisting of: (a) certified copies or transcripts of payrolls which list each employee, wage rate, period of employment, gross earnings, itemized deductions, and net earnings; (b) original or certified copies of invoices, statements of accounts, or purchase orders which indicate items of materials or services, quantities, unit prices, total charges, and payment terms; and (c) certified memoranda of the Operator for such items as depreciation of Operator-owned equipment, unemployment taxes, and employee's liability insurance. The certification may be stated thus, "Certified True Copy (or Transcript)", followed by the signature of the Operator or his agent. One copy of each document should accompany the original of this voucher.

The requirement for submitting documentary evidence of claimed costs may be waived by the OME regional Executive Officer if he determines that it is impracticable for an Operator to submit this material. In any case of waiver of this requirement an "on-site" audit by an OME auditor is mandatory prior to payment of the final Operator's Monthly Voucher.

MME FORM 61
SEPT. 1959

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION

OPERATOR'S PROGRESS REPORT For Month of January 1967 Docket No. OMB 6534

Operator's Name Busty Belle Mines - Inc. Contract No. 14-23-090- 2221

OPERATION	UNITS	FOR OPERATOR'S USE: UNITS THIS MONTH	UNITS TO DATE	COSTS TO DATE	FOR GOVERNMENT USE: APPROVED UNITS THIS MONTH	APPROVED UNITS TO DATE	APPROVED COSTS TO DATE
Drifting	500	44	383	19,533.00	44	383	$ 19,533.00
Crosscutting							
Raising							
Shafts							
Winzes							
Other Underground							
Drilling, Core-Diamond							
Rotary							
Drilling, Non-core-Diamond							
Rotary							
Churn							
Percussion							
Miscellaneous							
Timbering	500	0-0	85	705.50	0	85	705.50
Roads and Trails	1	0-0	1	830.00	0	1	830.00
Stripping Mobilization	1	0-0	1	1,550.00	0	1	1,550.00
Trenching Accounting	4	0-0	4	200.00	0	4	200.00
Test Pitting							
Other Surface Work							
Initial Rehabilitation and Repairs							
Rehabilitation of Mine Workings							
New Buildings, Fixtures, etc.							
Operating Equipment Purchases							
Analytical Work							
TOTAL TO DATE *(per MME Form 60)*				22,818.50			$ 22,818.50

REMARKS

(Continue on back)

REMARKS

(Continue on back)

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

Date Feb 1, 1967 Operator Busty Belle Mines, Inc.

Per Farran A. Taylor Title President

A willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction is a criminal offense. (U.S. Code, Title 18, Sec. 1001.)

I certify that the information above is complete and accurate to the best of my knowledge and belief.

Signature [illegible]

Title FIELD OFFICER, OME REGION III
Government Representative

Date FEB 6 1967

(INSTRUCTIONS ON REVERSE)

REMARKS *(Cont.)*

REMARKS *(Cont.)*

INSTRUCTIONS FOR PREPARING OPERATOR'S PROGRESS REPORT, MME FORM 61

This report is the second of the three parts of the Operator's Monthly Report. Submit the original and four copies.

The cost for each operation should be the total of all claimed costs attributable to that type of work with two exceptions, namely—operating equipment purchased and analytical work which are stated separately. For example, drifting costs should be the total of all costs chargeable to drifting including supervision, technical services, timbering (if any), etc. Similarly, drilling costs should include the cost of cementing, reaming, core boxes, etc. This procedure of distribution holds whether the contract was written on an actual cost or a unit cost basis, or some combination of the two. Distribute the cost of such general items as supervision, equipment rented, etc. according to relative footages or on some other conventional basis. The item "Initial Rehabilitation and Repairs" covers all rehabilitation and/or repairs other than the rehabilitation of mine workings.

The item titled "Drilling, Non-core Percussion" includes all drilling performed with wagon, jack-hammer, stoper and mounted drills. The several items labelled "Other" are provided to take care of particular exploration operations not specified on this form.

Narrative

Progress during the month of January/67 probably was almost a duplicate of the preceeding month. We are determined to drive this 500 feet and probably much more. Conditions to operate at this sort of remote site are much to be desired, that is weather and all has had a sort of hampering effect on the morale of all concerned. However as stated last month and all previous months we are in there pitching and will continue to press onward. Everyones hopes are quite high, we all feel we may have a producing mine. Oh yes the days are becoming a little longer each and every passing day. Its almost daylite at 8 in the morning and thats something, also it doesn't become dark until 4 in the afternoon, so that is something, although the weather has remained quite cold, well we do live in Fairbanks, Alaska and thats par for the course.

Goodbye for now

Office of Minerals Exploration
345 Middlefield Road
Menlo Park, California 94025

OFFICIAL
COPY
O. M. E.
RECEIVED
FEB 14 1967
INITIALS | CODE
170
110
120

February 9, 1967

Mr. Warren A. Taylor, President
Busty Belle Mines, Inc.
P.O. Box 200
Fairbanks, Alaska 99701

Re: OME-6534 (Silver-Gold)
Busty Belle Mines, Inc.
Silvertone and Cottonwood Claims
Fairbanks Recording District, Alaska
Contract No. 2221

Dear Mr. Taylor:

Your voucher and report for January 1967 were received in this office on February 6, 1967, and sent to Washington, D. C. for payment on that date.

The narrative reports submitted with the voucher and progress report should include more information concerning the work performed during the month than you have been submitting in recent months. Will you, in future reports, please include a sketch map showing the work to date of the report, together with any assays of samples taken, and give a more complete description of the work performed, results accomplished, and unusual situations encountered. This is most important now that you are drifting and crosscutting in the target area where you expect to intersect mineralized zones, and hopefully ore bodies.

Will you also please sign the MME Form 61's as well as the MME Form 60's.

Sincerely yours,

H. K. Stager
Field Officer
OME, Region II

cc: Chief, OME, WDC
Director
ACG RF
MP RF
Docket
HKStager:mlb
2-9-67

OPTIONAL FORM NO. 10
MAY 1962 EDITION
GSA GEN. REG. NO. 27

5010-108

UNITED STATES GOVERNMENT

Memorandum

TO : H. K. Stager, OME, Menlo Park, California

DATE: February 1, 1967

FROM : Robert M. Chapman, College, Alaska

SUBJECT: Busty Belle Mines, Inc. OME-6534

The enclosed map of the Busty Belle property is a tracing from a map furnished by Bruce Thomas of the Bureau of Mines. The map is not entirely complete but includes all of the available information that is pertinent to the Busty Belle adit. The exact location of the adit is subject to minor revision, as it is projected on compass bearings which have shown minor discrepancies, and an instrument survey is planned soon.

A start has been made on a crosscut to the north from the 300-foot point (the dog-leg bend) in the adit. A bearing between north and N. 25° W., should effectively cut projections of the surface shows that were sampled by 98, 99, 103a, -b, -c, and -d, and the vein that was followed in the more northerly open cut.

Dip ?

According to the bearing of S. 63° W., that I have taken from the 300-foot point to the face, the face would be a little farther south than shown here. The overall length of about 376 feet is currently correct.

If you have questions or comments, please let me know fairly soon, as the work on the north crosscut will be resumed within a few days. Work was recessed last week because the miners needed a little time off.

Bob

CENTRAL COPY
FEB 6 1967

RECEIVED
FEB 3 1967
OFFICE OF MINERALS EXPLORATION
U.S. GEOLOGICAL SURVEY
MENLO PARK, CALIF.

OPTIONAL FORM NO. 10
MAY 1962 EDITION
GSA GEN. REG. NO. 27

5010-106

UNITED STATES GOVERNMENT

Memorandum

OFFICIAL COPY
O. M. E.

TO : Hal. K. Stager, Menlo Park, California

DATE: January 30, 1967

FROM : Robert M. Chapman, College, Alaska

OME-6534 OME-6546

SUBJECT: Busty Belle Mines, Inc., and Silver Creek OME projects.

By Wednesday I hope to have a copy of the pertinent portion of Bruce Thomas' map of surface trenches and vein(?) showings, in relation to the adit, on the Busty Belle property. Bruce has been busy with other things so has not been able to complete a copy of the entire map as soon as hoped. He does have a pencil office copy that we have been studying occasionally in his office. From this it appears that a crosscut to the north from about the 300-foot point in the adit would explore a block of ground that is not prospected by the existing adit. Such a crosscut would be about 30-40 feet east of several vein shows that the Bureau sampled in a surface trench. The strike of these veins or pods is about due east, and the dip is apparently vertical or very steep to the south. Thus it seemed to me to be a logical exploration move, and within the terms of exploratory footage outlined in their contract. I think you are right that it would be well to extend the present adit a little farther, but perhaps it would be advisable to bear more southerly in order to take maximum advantage of the footage. The regional strikes that can be measured are nearly east. Pending a more precise measurement from the Bureau's map, I think that no more than 50 feet of crosscut to the north, and the remaining footage directed more to the southwest would reasonably well cover the proposed target area, if the dips are indeed steeply south to vertical. On the basis of what can be pieced together from surface showings and the adit, I have strong doubts that the mineralization is in well-defined and persistent veins. I will send along a copy of the new map as soon as I can get it, and outline these ideas more exactly on it.

For your information on the Silver Creek Prospect and Kirk W. Stanley, I talked with Leo Saarela several weeks ago, and he told me that Kirk Stanley told him that he had returned the copies of the proposed contract several months ago. He had forgotten now just exactly to whom he addressed them. I am very surprised that Stanley has not replied to the series of later letters, however. I contacted Saarela today, and he is replying to the letter of January 26 from Frank Johnson to Stanley, and will also get in touch with Stanley.

Bob

RECEIVED
FEB 1 1967
OFFICE OF MINERALS EXPLORATION
U.S. GEOLOGICAL SURVEY
MENLO PARK, CALIF.

OPTIONAL FORM NO. 10
MAY 1962 EDITION
GSA GEN. REG. NO. 27

5010-108

UNITED STATES GOVERNMENT

Memorandum

OFFICIAL COPY
O. M. E.
RECEIVED
JAN 23 1967
INITIALS

TO : H. K. Stager
OME, Menlo Park

DATE: January 18, 1967

FROM : Robert M. Chapman
Alaskan Geology Branch, College

SUBJECT: Busty Belle Mines; progress report. OME-6534

Last Saturday, the 14th, I visited the Busty Belle project together with Mel Anderson of the company, and Bruce Thomas and Bob Kemp of the Bureau of Mines. The face was mucked out at 368 feet at this time.

There were no apparent significant geologic changes--the entire adit is in quartz diorite with irregularly distributed and moderately abundant calcite veinlets that generally range from less than one inch to no more than 2 inches in thickness. One pod of sulfide, which appears to be largely arsenopyrite and about one inch thick and 3-4 inches long, was noted in the north wall at 327-28 feet. Another small pod of sulfides, which has not yet been completely assayed, was reportedly mined from the adit near this point. A small pod of sulfides, including some pyrite and galena, was present in the face near the left sill. Throughout the adit, some of the calcite veinlets carry a small amount of scheelite and/or powellite.

I have revised my working-copy map of the adit and up-dated it. A copy is enclosed. As soon as Bruce Thomas can complete a compilation of his previous surface trench maps and add the new adit, we will have a more exact base map. It appears now that some of the target area has been cut by the S. 63° W. portion of the adit. It also appears that a few of the trenched sulfide showings, if present at the adit level, may lie to the north of this portion of the adit, and Mel Anderson and I agree that some of the remaining footage should be put into a north-trending crosscut from about the bend in the adit at 300 feet. Work on this will be started and, temporarily at least, no further advance will be made in the adit.

But not all

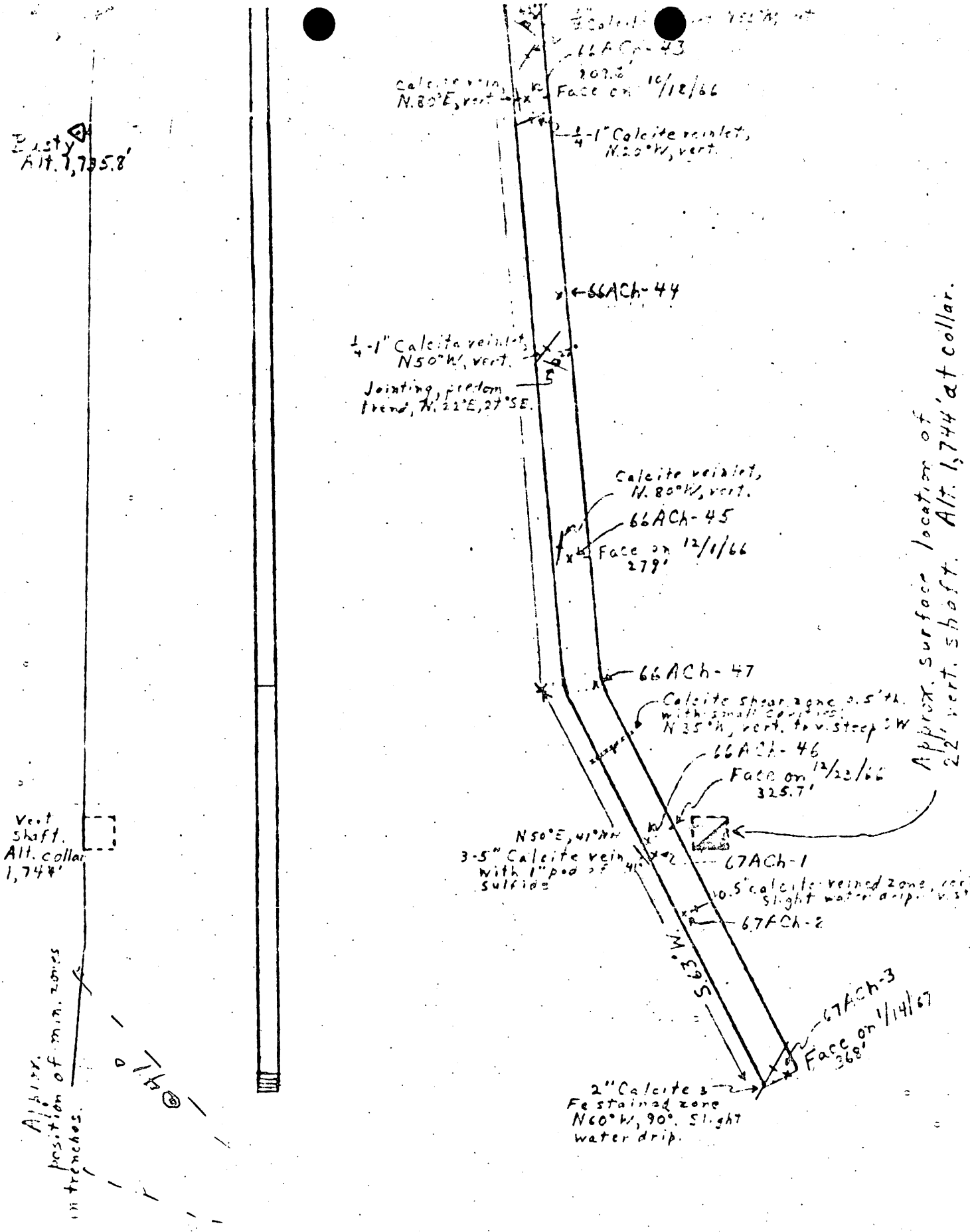
target is another lost

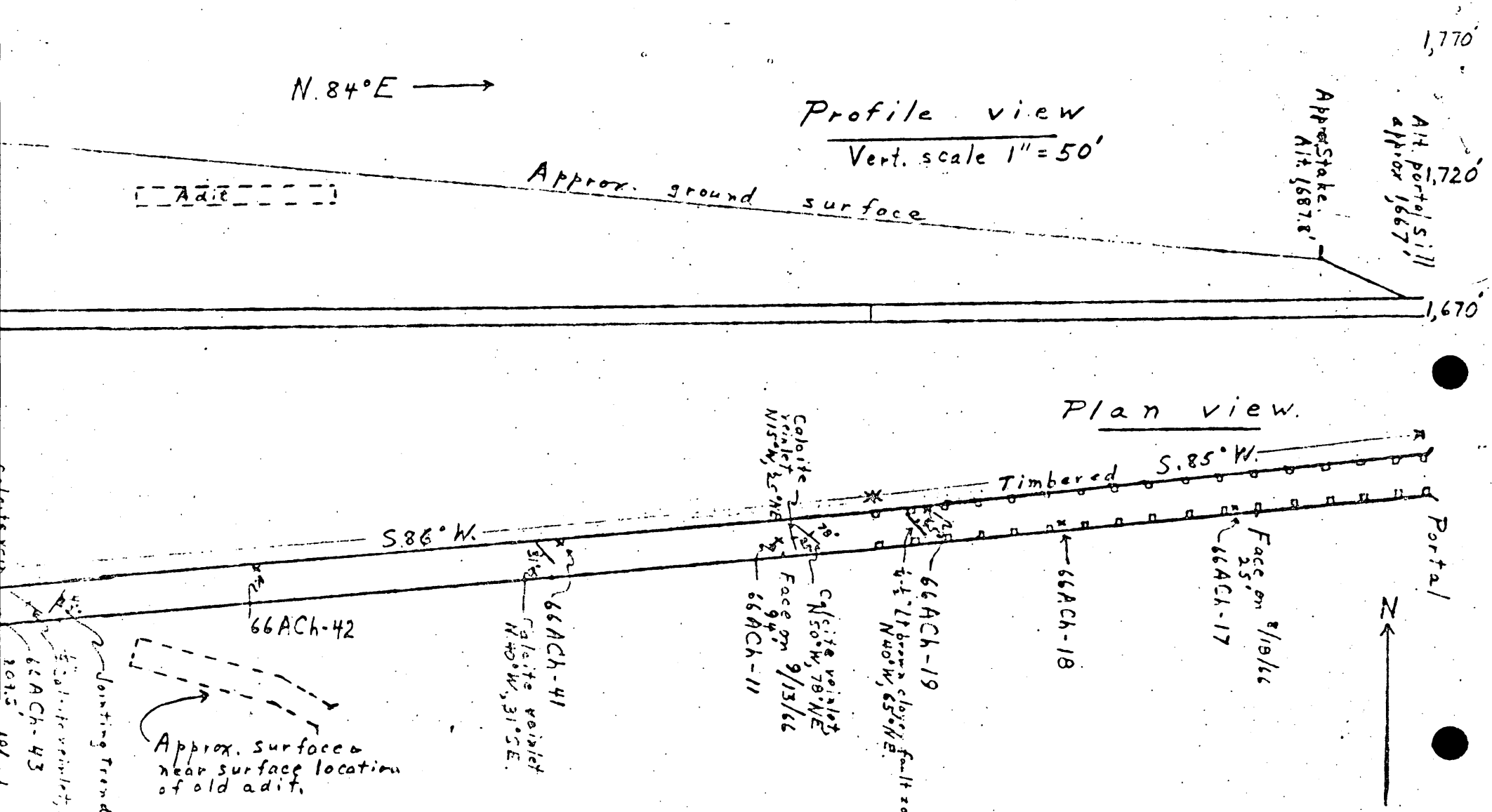
Enclosure

Bob

F.O. will discuss with Chapman the advisability of continuing XC as originally planned.
The possibility of a west-dipping vein in pits 50' west of shaft has not been adequately tested

RECEIVED
JAN 20 1967
OFFICE OF MINERALS EXPLORATION
U.S. GEOLOGICAL SURVEY
MENLO PARK, CALIF.


Alt. 1,735.8'
66ACh-43
Face on 10/12/66
Caleite vein N.80°E, vert.
1/4-1" Caleite veinlet, N.20°W, vert.
66ACh-44
1/4-1" Caleite veinlet N50°W, vert.
Jointing predom trend, N.22°E, 27°SE.
Caleite veinlet, N.80°W, vert.
66ACh-45
Face on 12/1/66
279'
66ACh-47
Caleite shear zone 0.5' th. with small caleite veinlets N35°W, vert. to v. steep SW
66ACh-46
Face on 12/22/66
325.7'
Approx. surface location of 22' vert. shaft. Alt. 1,744' at collar.
Vert. shaft. Alt. collar 1,744'
N50°E, 41°NW
3-5" Caleite vein with 1" pod of sulfide
67ACh-1
0.5" caleite veined zone, vert. to slight water drip. v. steep
67ACh-2
S.63°W.
67ACh-3
Face on 1/14/67
368'
2" Caleite & Fe stained zone N60°W, 90°. Slight water drip.
Approx. position of min. zones in trenches.



Busty Belle Mines, Inc.

Horizontal Scale 1" = 20'

x 66ACh-17, etc. are wall-rock specimens.

Tape and compass surveys, 10/18/66, 12/1/66, 12/23/66, 1/14/67.

R. M. Chapman
1/16/67

1/10/67/RmQ

MME FORM 60
SEPT. 1959

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION

Docket No. OME 6534
Contract No. 14-23-090-2221
Contract Amount $ 34,200.00
Gov't. Participation 62.5 $ 21,375.00
Mineral(s) Silver & Gold

OPERATOR'S MONTHLY VOUCHER

For Month of December 1966

Operator's Name Busty Belle Mines - Inc.
Address 212 Nerland Bldg. - Fbk's, Alaska - 99701

COST CATEGORIES	FOR OPERATOR'S USE			FOR GOVERNMENT APPROVAL ONLY		
	MONTHLY TOTAL	PREVIOUSLY REPORTED	TOTALS TO DATE	MONTHLY TOTAL	PREVIOUSLY REPORTED	TOTALS TO DATE
Fixed Unit Costs and						
(1) Independent Contracts:						
Bulldozing						
Drifting	2193.00	15,096.00	17,289.00			
Crosscutting						
Drilling						
Mobilization	-0-	1,550.00	1,550.00			
Road & Portal	-0-	830.00	830.00			
(2) Personal Services:						
Supervision & Technical						
Outside Consultants						
Labor Accounting	-0-	200.00	200.00			
(3) Operating Mat'l. & Supplies:						
Timber	-0-	705.50	705.50			
Explosives						
Pipe						
Rail						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehab. & Repairs:						
Buildings, Fixtures, etc.						
Operating Equipment						
(6) New Buildings, Fixtures, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Analytical Work						
Payroll Taxes						
Employee's Liability Ins.						
TOTALS	2193.00	18,381.50	20,574.50			

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

Date Jan 2, 1967 *Payee Busty Belle Mines, Inc.

Per Warren A. Seyler Title President

* 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.

A willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction is a criminal offense. (U.S. Code, Title 18, Sec. 1001.)

(INSTRUCTIONS ON REVERSE)

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

$ 1370.63

14X0804

Signature RCM (Authorized Certifying Officer)

Date JAN 13 1967 Vou. No. 5467

(SEE OTHER SIDE)

Certification by Government Representative:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating an exploration project in accordance with the terms of Contract No. 2221

Signature H B Stager Title FIELD OFFICER Date JAN 5 1967

Approved by OME Executive Officer or Alternate: OME REGION II

Signature H B Stager Title FIELD OFFICER Date JAN 5 1967

OPERATOR'S MONTHLY REPORT

The Operator, under an Office of Minerals Exploration contract, is required to report monthly to the Government. The report consists of three parts.

FIRST, the Operator's Monthly Voucher on MME Form 60 listing the project costs incurred and claimed by the Operator is the voucher basis for payment of the Government's share of the cost.

SECOND, the Operator's Progress Report on MME Form 61 is a statistical report of the units and cost of of work performed under the contract.

THIRD, the Operator's Narrative Report is a concise description of the work performed, results accomplished, and any unusual situations encountered, illustrated and supported by engineering-geological maps or sketches, drill hole logs, assay reports, etc., as pertinent.

The Operator submits the original and four copies of each of the three sections of this report to the OME regional Executive Officer at the end of each month during the life of the contract.

PREPARATION OF OPERATOR'S MONTHLY VOUCHER, MME FORM 60

After all applicable spaces are filled in, the Operator or his agent must sign the certification in the lower left corner. Categories (2) through (7) apply to "Actual Cost" contracts only.

Under "Fixed Unit Costs" and Category (1) report, (a) the total fixed unit costs of work performed under contract provisions for contribution by the Government on a basis of "fixed unit costs"; and (b) the claimed costs of work performed on a unit-price basis by independent contractors.

Under Category (2) include the claimed costs of all payrolled and invoiced supervisory, technical, and labor personnel, except the costs for services applicable to Categories (5) and (6).

Under Category (3) include the claimed costs of all project materials and supplies other than those used for work under Categories (5) and (6).

Under Category (4) report claimed rentals on equipment belonging to a third party, claimed payments or obligations for payments on the Operator's purchase of equipment, and claimed depreciation for the use of Operator-owned equipment.

Under Categories (5) and (6) include all claimed costs of labor, supervision, technical services, operating materials and supplies, and all other items used in (5) the initial rehabilitation and repairs of existing buildings, fixtures, installations (exclusive of mine workings), and operating equipment; and (6) the installation or construction of new buildings, fixtures, and fixed improvements (exclusive of mine workings). Do not report these costs under Categories (2), (3), (4), and (7).

Under Category (7) include all miscellaneous claimed costs such as repairs (other than initial) and maintenance of equipment, sampling and analysis, travel, communication, accounting, office expenses, and the Operator's share of payroll taxes and insurance.

Except for amounts claimed under "fixed unit costs" provisions of the contract, all costs claimed in this voucher must be supported by documentary evidence consisting of: (a) certified copies or transcripts of payrolls which list each employee, wage rate, period of employment, gross earnings, itemized deductions, and net earnings; (b) original or certified copies of invoices, statements of accounts, or purchase orders which indicate items of materials or services, quantities, unit prices, total charges, and payment terms; and (c) certified memoranda of the Operator for such items as depreciation of Operator-owned equipment, unemployment taxes, and employee's liability insurance. The certification may be stated thus, "Certified True Copy (or Transcript)", followed by the signature of the Operator or his agent. One copy of each document should accompany the original of this voucher.

The requirement for submitting documentary evidence of claimed costs may be waived by the OME regional Executive Officer if he determines that it is impracticable for an Operator to submit this material. In any case of waiver of this requirement an "on-site" audit by an OME auditor is mandatory prior to payment of the final Operator's Monthly Voucher.

MME FORM 61
SEPT. 1959

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION

OPERATOR'S PROGRESS REPORT For Month of December 1966 Docket No. OME 6534

Operator's Name Busty Belle Mines - Inc. Contract No. 14-23-090- 2221

OPERATION	UNITS	FOR OPERATOR'S USE: UNITS THIS MONTH	UNITS TO DATE	COSTS TO DATE	FOR GOVERNMENT USE: APPROVED UNITS THIS MONTH	APPROVED UNITS TO DATE	APPROVED COSTS TO DATE
Drifting	500	~~1~~ 43	~~1229~~ 339	17,289.00	43	339	$ 17,289.00
Crosscutting							
Raising							
Shafts							
Winzes							
Other Underground							
Drilling, Core-Diamond							
Rotary							
Drilling, Non-core-Diamond							
Rotary							
Churn							
Percussion							
Miscellaneous							
Timbering	~~1~~500	-0-	85	705.50	0	85	705.50
Roads and Trails	1	-0-	1	830.00	0	1	830.00
Stripping Mobilization	1	-0-	1	1,550.00	0	1	1,550.00
Trenching Accounting	4	-0-	4	200.00	0	4	200.00
Test Pitting							
Other Surface Work							
Initial Rehabilitation and Repairs							
Rehabilitation of Mine Workings							
New Buildings, Fixtures, etc.							
Operating Equipment Purchases							
Analytical Work							
TOTAL TO DATE *(per MME Form 60)*				20,574.50			$ 20,574.50

REMARKS

(Continue on back)

REMARKS

(Continue on back)

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 2, 1967 Operator Busty Belle Mines, Inc.

Per Warran A. Taylor Title President

A willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction is a criminal offense. (U.S. Code, Title 18, Sec. 1001.)

I certify that the information above is complete and accurate to the best of my knowledge and belief.

Signature H B Stager

Title Field Officer, OME Region II
Government Representative

Date JAN 5 1967

(INSTRUCTIONS ON REVERSE)

REMARKS *(Cont.)*

REMARKS *(Cont.)*

INSTRUCTIONS FOR PREPARING OPERATOR'S PROGRESS REPORT, MME FORM 61

This report is the second of the three parts of the Operator's Monthly Report. Submit the original and four copies.

The cost for each operation should be the total of all claimed costs attributable to that type of work with two exceptions, namely—operating equipment purchased and analytical work which are stated separately. For example, drifting costs should be the total of all costs chargeable to drifting including supervision, technical services, timbering (if any), etc. Similarly, drilling costs should include the cost of cementing, reaming, core boxes, etc. This procedure of distribution holds whether the contract was written on an actual cost or a unit cost basis, or some combination of the two. Distribute the cost of such general items as supervision, equipment rented, etc. according to relative footages or on some other conventional basis. The item "Initial Rehabilitation and Repairs" covers all rehabilitation and/or repairs other than the rehabilitation of mine workings.

The item titled "Drilling, Non-core Percussion" includes all drilling performed with wagon, jack-hammer, stoper and mounted drills. The several items labelled "Other" are provided to take care of particular exploration operations not specified on this form.

INT.DUP.,D.C.59— 27.168

Narrative

Progress during the month of December/66 was more of the same, however we have continued on. Instead of cross-cutting we have determined to veer to the left and aim for the shaft that was previously sank. We are in some quite promising ore? Tungsten - and Gold which substantiates the thinking of the ones concerned that the Veins do go down in depth. This is a very optimistic report, it sort of overshadows the conditions under which we must do this work. How-ever all in all this is the best Narrative to-date.

Warren A. Taylor, Pres.

OPTIONAL FORM NO. 10
MAY 1962 EDITION
GSA GEN. REG. NO. 27

5010-108

UNITED STATES GOVERNMENT

Memorandum

TO : H. K. Stager
OME, Menlo Park

DATE: December 28, 1966

FROM : Robert M. Chapman
Alaskan Geology Branch, College

SUBJECT: Busty Belle Mines, Inc.

On December 23 I visited the Busty Belle adit with Mssrs. Tury Anderson, Warren Taylor, and John Rasor of the company and Bruce Thomas of the U.S. Bureau of Mines. I measured a total length of 325.7 feet of adit as of that day. A working sketch is enclosed.

The main purpose of our visit was to lamp the adit for scheelite, which had been reported in one of their samples. We found scheelite, and also apparently powellite (a common association in the Fairbanks district), at frequent intervals throughout the adit. It is entirely limited to thin calcite veinlets and coatings along joints and fracture planes. Seldom do any crystals occur more than an inch away from these planes, and nearly all of the scheelite-powellite is on and in the calcite. At present all we have is a visual estimate of the scheelite, but mapping and sampling will be done to check the distribution, amount, and mineralogy more carefully. Nearly all of the calcite stringers are 0.5 inch or less in thickness, and I doubt that any of them will run more than 1 percent WO_3.

Mel Anderson, a member of the company, has found a small isolated crystal of molybdenite in the quartz diorite, and Tury Anderson also mentioned finding one. I have not seen these specimens.

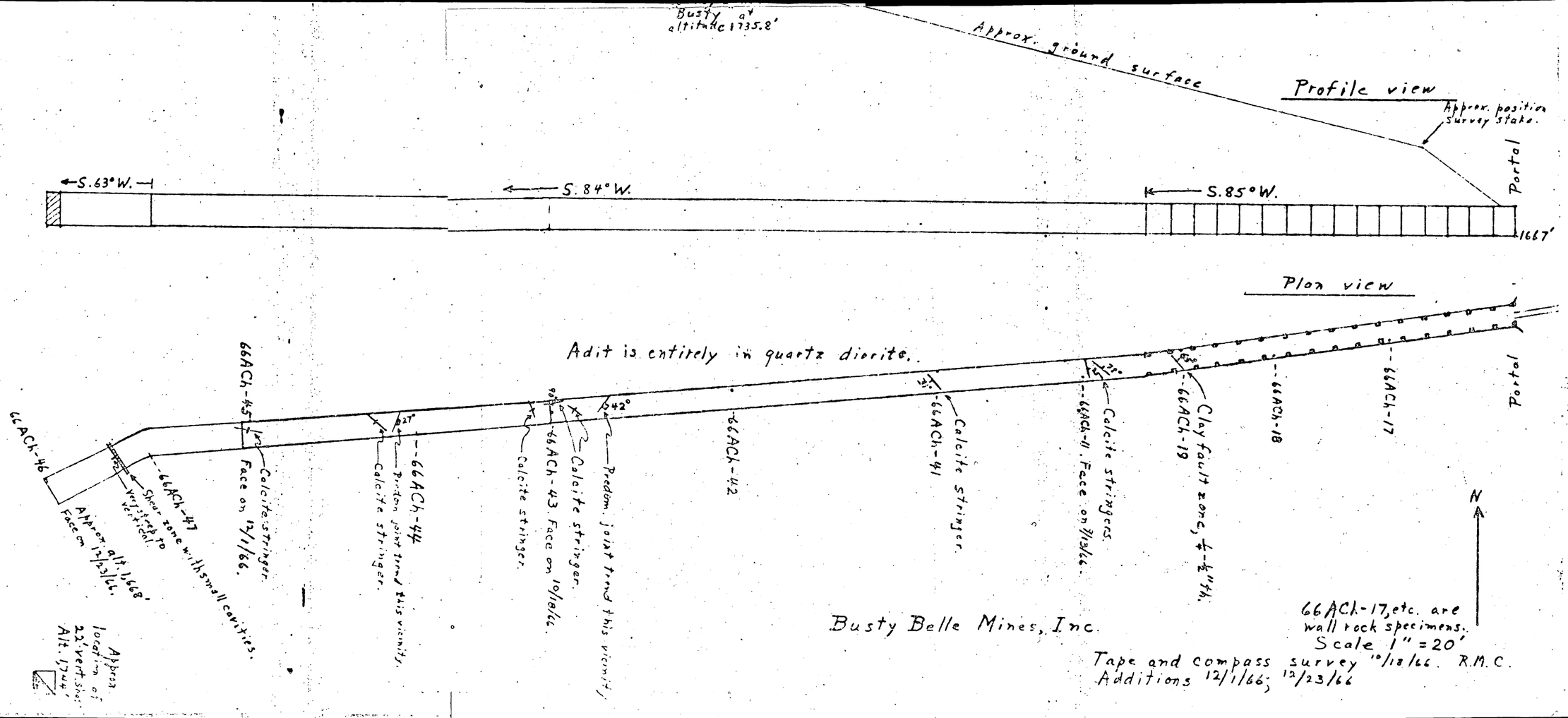
Bruce Thomas has accurate maps of the surface trenches, and we have established accurate control stations that are tied in to the 2 major bench marks in this area. As soon as time and weather conditions permit, Bruce Thomas, Art Gervais, and I will make the necessary survey to tie these together and shoot in the adit.

Surface temperatures range greatly at the Busty Belle site--probably from about -35° to +25°F. at this time of year. It was about +6° on the surface on the 23rd, and at 275 feet in the adit I recorded 32° at a point 1 foot above the sill.

Enclosure

Bob

RECEIVED
DEC 29 1966
OFFICE OF MINERALS EXPLORATION
U.S. GEOLOGICAL SURVEY
MENLO PARK, CALIF.


Busty at altitude 1735.8'
Approx. ground surface
Profile view
Approx. position survey stake.
Portal
S.63° W.
S.84° W.
S.85° W.
1667'
Plan view
Adit is entirely in quartz diorite.
66ACh-46
Approx alt. 1,668' Face on 11/23/66.
66ACh-47
Shear zone with small cavities. Vertical to
66ACh-45
Face on 12/1/66.
Calcite stringer.
66ACh-44
Predom. joint trend this vicinity.
Calcite stringer.
66ACh-43. Face on 10/18/66.
Calcite stringer.
Calcite stringer.
Predom. joint trend this vicinity.
66ACh-42
66ACh-41
Calcite stringer.
66ACh-11. Face on 11/23/66.
Calcite stringers.
66ACh-19
Clay fault zone, 1-1½" th.
66ACh-18
66ACh-17
Portal
Approx. location of 22' vert. shaft. Alt. 1,744'
N
Busty Belle Mines, Inc.
66ACh-17, etc. are wall rock specimens.
Scale 1" = 20'
Tape and compass survey 10/18/66. R.M.C.
Additions 12/1/66; 12/23/66

MME FORM 60
SEPT. 1959

OFFICIAL COPY O. M. E. RECEIVED DEC 23 1966 INITIALS CODE

12/15/Rpt'd.

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION

OMB 6534

Docket No.
Contract No. 2221
14-23-090- 34,200/.00
Contract Amount $62.5 21,375.00
Gov't. Participation Silver & Gold
Mineral(s)

OPERATOR'S MONTHLY VOUCHER

For Month of November 1966

Operator's Name Busty Belle Mines - Inc.
Address 212 Nerland Bldg. - Fbks, Alaska - 99701

COST CATEGORIES	FOR OPERATOR'S USE: MONTHLY TOTAL	PREVIOUSLY REPORTED	TOTALS TO DATE	FOR GOVERNMENT APPROVAL ONLY: MONTHLY TOTAL	PREVIOUSLY REPORTED	TOTALS TO DATE
Fixed Unit Costs and						
(1) Independent Contracts:						
Bulldozing	2856.00	12,240.00	15,096.00			
Drifting						
Crosscutting						
Mobilization	-0-	1,550.00	1,550.00			
Road & Portal	-0-	830.00	830.00			
(2) Personal Services:						
Supervision & Technical						
Outside Consultants Accounting	50.00	150.00	200.00			
Labor						
(3) Operating Mat'l. & Supplies:	-0-	705.50	705.50			
Timber						
Explosives						
Pipe						
Rail						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehab. & Repairs:						
Buildings, Fixtures, etc.						
Operating Equipment						
(6) New Buildings, Fixtures, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Analytical Work						
Payroll Taxes						
Employee's Liability Ins.						
TOTALS	2906.00	15,475.50	18,381.50			

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

Date Dec. 1 1966 *Payee Busty Belle Mines, Inc.

Per Warren R. Taylor Title President

* 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.

A willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction is a criminal offense. (U.S. Code, Title 18, Sec. 1001.)

(INSTRUCTIONS ON REVERSE)

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

$1816.25

Signature BEM (Authorized Certifying Officer)

Date DEC 22 1966 Vou. No. 4966

14X0804

(SEE OTHER SIDE)

Certification by Government Representative:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating an exploration project in accordance with the terms of Contract No. 2221

Signature H B Hagen Title FIELD OFFICER Date DEC. 12, 1966

Approved by OME Executive Officer or Alternate: OME REGION II

Signature H B Hagen Title FIELD OFFICER Date DEC. 12, 1966

OPERATOR'S MONTHLY REPORT

The Operator, under an Office of Minerals Exploration contract, is required to report monthly to the Government. The report consists of three parts.

FIRST, the Operator's Monthly Voucher on MME Form 60 listing the project costs incurred and claimed by the Operator is the voucher basis for payment of the Government's share of the cost.

SECOND, the Operator's Progress Report on MME Form 61 is a statistical report of the units and cost of of work performed under the contract.

THIRD, the Operator's Narrative Report is a concise description of the work performed, results accomplished, and any unusual situations encountered, illustrated and supported by engineering-geological maps or sketches, drill hole logs, assay reports, etc., as pertinent.

The Operator submits the original and four copies of each of the three sections of this report to the OME regional Executive Officer at the end of each month during the life of the contract.

PREPARATION OF OPERATOR'S MONTHLY VOUCHER, MME FORM 60

After all applicable spaces are filled in, the Operator or his agent must sign the certification in the lower left corner. Categories (2) through (7) apply to "Actual Cost" contracts only.

Under "Fixed Unit Costs" and Category (1) report, (a) the total fixed unit costs of work performed under contract provisions for contribution by the Government on a basis of "fixed unit costs"; and (b) the claimed costs of work performed on a unit-price basis by independent contractors.

Under Category (2) include the claimed costs of all payrolled and invoiced supervisory, technical, and labor personnel, except the costs for services applicable to Categories (5) and (6).

Under Category (3) include the claimed costs of all project materials and supplies other than those used for work under Categories (5) and (6).

Under Category (4) report claimed rentals on equipment belonging to a third party, claimed payments or obligations for payments on the Operator's purchase of equipment, and claimed depreciation for the use of Operator-owned equipment.

Under Categories (5) and (6) include all claimed costs of labor, supervision, technical services, operating materials and supplies, and all other items used in (5) the initial rehabilitation and repairs of existing buildings, fixtures, installations (exclusive of mine workings), and operating equipment; and (6) the installation or construction of new buildings, fixtures, and fixed improvements (exclusive of mine workings). Do not report these costs under Categories (2), (3), (4), and (7).

Under Category (7) include all miscellaneous claimed costs such as repairs (other than initial) and maintenance of equipment, sampling and analysis, travel, communication, accounting, office expenses, and the Operator's share of payroll taxes and insurance.

Except for amounts claimed under "fixed unit costs" provisions of the contract, all costs claimed in this voucher must be supported by documentary evidence consisting of: (a) certified copies or transcripts of payrolls which list each employee, wage rate, period of employment, gross earnings, itemized deductions, and net earnings; (b) original or certified copies of invoices, statements of accounts, or purchase orders which indicate items of materials or services, quantities, unit prices, total charges, and payment terms; and (c) certified memoranda of the Operator for such items as depreciation of Operator-owned equipment, unemployment taxes, and employee's liability insurance. The certification may be stated thus, "Certified True Copy (or Transcript)", followed by the signature of the Operator or his agent. One copy of each document should accompany the original of this voucher.

The requirement for submitting documentary evidence of claimed costs may be waived by the OME regional Executive Officer if he determines that it is impracticable for an Operator to submit this material. In any case of waiver of this requirement an "on-site" audit by an OME auditor is mandatory prior to payment of the final Operator's Monthly Voucher.

MME FORM 61
SEPT. 1959

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION

OPERATOR'S PROGRESS REPORT For Month of November 1966 Docket No. OME 6534

Operator's Name Busty Belle Mines - Inc. Contract No. 14-23-090- 2221

OPERATION	UNITS	FOR OPERATOR'S USE: UNITS THIS MONTH	UNITS TO DATE	COSTS TO DATE	FOR GOVERNMENT USE: APPROVED UNITS THIS MONTH	APPROVED UNITS TO DATE	APPROVED COSTS TO DATE
Drifting	500	56	296	15,096.00	56	296	$ 15,096.00
Crosscutting							
Raising							
Shafts							
Winzes							
Other Underground							
Drilling, Core-Diamond							
Rotary							
Drilling, Non-core-Diamond							
Rotary							
Churn							
Percussion							
Miscellaneous							
Timbering	500	-0-	85	705.50	0	85	705.50
Roads and Trails	1	-0-	1	830.00	0	1	830.00
Stripping Mobilization	1	-0-	1	1,550.00	0	1	1,550.00
Trenching Accounting	4	1	4	200.00	1	4	200.00
Test Pitting							
Other Surface Work							
Initial Rehabilitation and Repairs							
Rehabilitation of Mine Workings							
New Buildings, Fixtures, etc.							
Operating Equipment Purchases							
Analytical Work							
TOTAL TO DATE *(per MME Form 60)*				18,381.50			$ 18,381.50

REMARKS

(Continue on back)

REMARKS

(Continue on back)

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

Date Dec 1, 1966 Operator Busty Belle Mines, Inc.

Per Warren A. Taylor Title President

Warran A. Taylor

A willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction is a criminal offense. (U.S. Code, Title 18, Sec. 1001.)

I certify that the information above is complete and accurate to the best of my knowledge and belief.

Signature H K Flagg

Title Field Officer, OME Region II
Government Representative

Date Dec. 12, 1966

(INSTRUCTIONS ON REVERSE)

REMARKS *(Cont.)*

REMARKS *(Cont.)*

INSTRUCTIONS FOR PREPARING OPERATOR'S PROGRESS REPORT, MME FORM 61

This report is the second of the three parts of the Operator's Monthly Report. Submit the original and four copies.

The cost for each operation should be the total of all claimed costs attributable to that type of work with two exceptions, namely—operating equipment purchased and analytical work which are stated separately. For example, drifting costs should be the total of all costs chargeable to drifting including supervision, technical services, timbering (if any), etc. Similarly, drilling costs should include the cost of cementing, reaming, core boxes, etc. This procedure of distribution holds whether the contract was written on an actual cost or a unit cost basis, or some combination of the two. Distribute the cost of such general items as supervision, equipment rented, etc. according to relative footages or on some other conventional basis. The item "Initial Rehabilitation and Repairs" covers all rehabilitation and/or repairs other than the rehabilitation of mine workings.

The item titled "Drilling, Non-core Percussion" includes all drilling performed with wagon, jack-hammer, stoper and mounted drills. The several items labelled "Other" are provided to take care of particular exploration operations not specified on this form.

Narrative

Progress during the month of November/66 has been hampered do to the weather. Cold and continuing more of the same. However we have and are driving drift. Everything of a mechanical nature seems to rebel when freezing temperatures prevail. We are practically in 300 ft. Now we will determine how and why we will drift 100' one way and 100' in the opposite direction or just what we will do. We should be intersecting veins anytime now.

There isn't too much to state, except we are forging ahead and will complete this 500' contract. We are not in a position to state with much certainity just when we will finish, but we will.

RECEIVED
DEC 9 1966
OFFICE OF MINERALS EXPLORATION
U.S. GEOLOGICAL SURVEY
MENLO PARK, CALIF.

RECEIVED
DEC 9 1966
OFFICE OF MINERALS EXPLORATION
U.S. GEOLOGICAL SURVEY
MENLO PARK, CALIF.

OPTIONAL FORM NO. 10
MAY 1962 EDITION
GSA GEN. REG. NO. 27

5010-108

UNITED STATES GOVERNMENT

Memorandum

OFFICIAL COPY
RECEIVED
DEC 8 1966
INITIALS | CODE
420 m
120
120

TO : H. K. Stager
OME, Menlo Park

DATE: December 2, 1966

FROM : Robert M. Chapman
Alaskan Geology Branch, College

SUBJECT: Busty Belle Mines, Inc. OME-6554 (Silver-Gold)

I visited the Busty Belle Mines project yesterday, and work was continuing with the face at 279 feet from the portal. This is an advance of 70 feet since my last visit on October 18. No showings of sulfide mineralization were noted or reported. The adit is entirely in quartz diorite, which is cut irregularly by thin calcite stringers. No timbering has been required beyond the initial 80 feet. The adit is dry, and the underground temperature is an estimated 35-40°F.

Bob

RECEIVED
DEC 5 1966
OFFICE OF MINERALS EXPLORATION
U.S. GEOLOGICAL SURVEY
MENLO PARK, CALIF.

MME FORM 60
SEPT. 1959

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION

Docket No. OME 6534
Contract No.
14-23-090- 2221
Contract Amount $ 34,200.00
Gov't. Participation % 62.5 $ 21,375.00
Mineral(s) Silver & Gold

OPERATOR'S MONTHLY VOUCHER

For Month of October 1966

Operator's Name Busty Belle Mines, Inc.
Address 212 Norland Building - Fbk's, Alaska - 99701

COST CATEGORIES	FOR OPERATOR'S USE			FOR GOVERNMENT APPROVAL ONLY		
	MONTHLY TOTAL	PREVIOUSLY REPORTED	TOTALS TO DATE	MONTHLY TOTAL	PREVIOUSLY REPORTED	TOTALS TO DATE
Fixed Unit Costs and						
(1) Independent Contracts:						
Bulldozing						
Drifting	3111.00	9129.00	12,240.00			
Crosscutting						
Drilling						
Mobilization	-0-	1550.00	1,550.00			
Road & Portal	-0-	830.00	830.00			
(2) Personal Services:						
Supervision & Technical						
Outside Consultants						
Labor Accounting	50.00	100.00	150.00			
(3) Operating Mat'l. & Supplies:						
Timber	-0-	705.50	705.50			
Explosives						
Pipe						
Rail						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehab. & Repairs:						
Buildings, Fixtures, etc.						
Operating Equipment						
(6) New Buildings, Fixtures, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Analytical Work						
Payroll Taxes						
Employee's Liability Ins.						
TOTALS	3161.00	12,314.50	15,475.50			

OFFICIAL COPY
O. M. E.
RECEIVED
NOV 28 1966

INITIALS	CODE	
Cal	210	P
	120	M
Fg	120	
	120	S

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

Date Nov 1, 1966 *Payee Busty Belle Mines, Inc.

Per James A. Taylor Title President

* 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.

A willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction is a criminal offense. (U.S. Code, Title 18, Sec. 1001.)

(INSTRUCTIONS ON REVERSE)

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

$ 1975.63

14X0804

Signature [illegible]
(Authorized Certifying Officer)

Date NOV 25 1966 Vou. No. 4146

(SEE OTHER SIDE)

Certification by Government Representative:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating an exploration project in accordance with the terms of Contract No. 2221

Signature H B Stager Title FIELD OFFICER Date Nov. 16, 1966

Approved by OME Executive Officer or Alternate: OME REGION III

Signature H B Stager Title FIELD OFFICER Date Nov. 16, 1966

OPERATOR'S MONTHLY REPORT

The Operator, under an Office of Minerals Exploration contract, is required to report monthly to the Government. The report consists of three parts.

FIRST, the Operator's Monthly Voucher on MME Form 60 listing the project costs incurred and claimed by the Operator is the voucher basis for payment of the Government's share of the cost.

SECOND, the Operator's Progress Report on MME Form 61 is a statistical report of the units and cost of of work performed under the contract.

THIRD, the Operator's Narrative Report is a concise description of the work performed, results accomplished, and any unusual situations encountered, illustrated and supported by engineering-geological maps or sketches, drill hole logs, assay reports, etc., as pertinent.

The Operator submits the original and four copies of each of the three sections of this report to the OME regional Executive Officer at the end of each month during the life of the contract.

PREPARATION OF OPERATOR'S MONTHLY VOUCHER, MME FORM 60

After all applicable spaces are filled in, the Operator or his agent must sign the certification in the lower left corner. Categories (2) through (7) apply to "Actual Cost" contracts only.

Under "Fixed Unit Costs" and Category (1) report, (a) the total fixed unit costs of work performed under contract provisions for contribution by the Government on a basis of "fixed unit costs"; and (b) the claimed costs of work performed on a unit-price basis by independent contractors.

Under Category (2) include the claimed costs of all payrolled and invoiced supervisory, technical, and labor personnel, except the costs for services applicable to Categories (5) and (6).

Under Category (3) include the claimed costs of all project materials and supplies other than those used for work under Categories (5) and (6).

Under Category (4) report claimed rentals on equipment belonging to a third party, claimed payments or obligations for payments on the Operator's purchase of equipment, and claimed depreciation for the use of Operator-owned equipment.

Under Categories (5) and (6) include all claimed costs of labor, supervision, technical services, operating materials and supplies, and all other items used in (5) the initial rehabilitation and repairs of existing buildings, fixtures, installations (exclusive of mine workings), and operating equipment; and (6) the installation or construction of new buildings, fixtures, and fixed improvements (exclusive of mine workings). Do not report these costs under Categories (2), (3), (4), and (7).

Under Category (7) include all miscellaneous claimed costs such as repairs (other than initial) and maintenance of equipment, sampling and analysis, travel, communication, accounting, office expenses, and the Operator's share of payroll taxes and insurance.

Except for amounts claimed under "fixed unit costs" provisions of the contract, all costs claimed in this voucher must be supported by documentary evidence consisting of: (a) certified copies or transcripts of payrolls which list each employee, wage rate, period of employment, gross earnings, itemized deductions, and net earnings; (b) original or certified copies of invoices, statements of accounts, or purchase orders which indicate items of materials or services, quantities, unit prices, total charges, and payment terms; and (c) certified memoranda of the Operator for such items as depreciation of Operator-owned equipment, unemployment taxes, and employee's liability insurance. The certification may be stated thus, "Certified True Copy (or Transcript)", followed by the signature of the Operator or his agent. One copy of each document should accompany the original of this voucher.

The requirement for submitting documentary evidence of claimed costs may be waived by the OME regional Executive Officer if he determines that it is impracticable for an Operator to submit this material. In any case of waiver of this requirement an "on-site" audit by an OME auditor is mandatory prior to payment of the final Operator's Monthly Voucher.

MME FORM 61
SEPT. 1959

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION

OPERATOR'S PROGRESS REPORT For Month of October 1966 Docket No. OME 6534

Operator's Name Busty Belle Mines - Inc. Contract No. 14-23-090- 2221

OPERATION	UNITS	FOR OPERATOR'S USE: UNITS THIS MONTH	UNITS TO DATE	COSTS TO DATE	FOR GOVERNMENT USE: APPROVED UNITS THIS MONTH	APPROVED UNITS TO DATE	APPROVED COSTS TO DATE
Drifting	500	61	240	12,240.00	61	240	$12,240.00
Crosscutting							
Raising							
Shafts							
Winzes							
Other Underground							
Drilling, Core-Diamond							
Rotary							
Drilling, Non-core-Diamond							
Rotary							
Churn							
Percussion							
Miscellaneous							
Timbering	500	-0-	85	705.50	0	85	705.50
Roads and Trails	1	-0-	1	830.00	0	1	830.00
Stripping Mobilization	1	-0-	1	1,550.00	0	1	1,550.00
Trenching Accounting	4	1	3	150.00	1	3	150.00
Test Pitting							
Other Surface Work							
Initial Rehabilitation and Repairs							
Rehabilitation of Mine Workings							
New Buildings, Fixtures, etc.							
Operating Equipment Purchases							
Analytical Work							
TOTAL TO DATE *(per MME Form 60)*				15,475.50			$15,475.50

REMARKS

(Continue on back)

REMARKS

(Continue on back)

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 1, 1966 Operator Busty Belle Mines, Inc.

Per Warren A. Taylor Title President

Warran A. Taylor

A willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction is a criminal offense. (U.S. Code, Title 18, Sec. 1001.)

I certify that the information above is complete and accurate to the best of my knowledge and belief.

Signature [illegible]

Title Field Officer OME Region II
Government Representative

Date Nov. 16, 1966

(INSTRUCTIONS ON REVERSE)

REMARKS *(Cont.)*

REMARKS *(Cont.)*

INSTRUCTIONS FOR PREPARING OPERATOR'S PROGRESS REPORT, MME FORM 61

This report is the second of the three parts of the Operator's Monthly Report. Submit the original and four copies.

The cost for each operation should be the total of all claimed costs attributable to that type of work with two exceptions, namely—operating equipment purchased and analytical work which are stated separately. For example, drifting costs should be the total of all costs chargeable to drifting including supervision, technical services, timbering (if any), etc. Similarly, drilling costs should include the cost of cementing, reaming, core boxes, etc. This procedure of distribution holds whether the contract was written on an actual cost or a unit cost basis, or some combination of the two. Distribute the cost of such general items as supervision, equipment rented, etc. according to relative footages or on some other conventional basis. The item "Initial Rehabilitation and Repairs" covers all rehabilitation and/or repairs other than the rehabilitation of mine workings.

The item titled "Drilling, Non-core Percussion" includes all drilling performed with wagon, jack-hammer, stoper and mounted drills. The several items labelled "Other" are provided to take care of particular exploration operations not specified on this form.

OME-6534 (Cn. No. 2221)
Busty Belle Mines, Inc.

Narrative

Progress during the month of October/66 has been subject to the whims of nature. Cold weather has caused problems with water freezing and other problems which one encounters when Winter sets in. We have moved our water tank into the drift to the 175 ft level. We must transport water from Fairbanks in two (2) fifty gallon drums, you can readily see when we arrive at the portal the water is rather difficult to work with. Requiring thawing. The tipple has been extended another 20 feet. This should insure adequate dumping space for quite some time. With Winter on us we must expect the weather to become colder and the days shorter, which in turn may effect our progress.

Office of Minerals Exploration
345 Middlefield Road
Menlo Park, California 94025

November 7, 1966

Mr. Warren A. Taylor
President, Busty Belle Mines, Inc.
P.O. Box 200
Fairbanks, Alaska 99701

Re: OME-6534 (Silver-Gold)
Busty Belle Mines, Inc.
Silvertone and Cottonwood Claims
Fairbanks Recording District, Alaska
Contract No. 2221

Dear Mr. Taylor:

I am returning your October 1966 Monthly Voucher and Progress Report for correction as noted. You have charged depreciation, payroll taxes, and liability insurance which are not allowable as separate items under your Short Form Contract. These items are included in the $51.00 per foot fixed unit cost of crosscutting and drifting. Please refer to your copy of the contract and my letter of June 27, 1966. When you have retyped and signed the corrected vouchers and progress report return them to this office and I will forward them to Washington, D. C. for payment. In the future, please prepare an original and three copies of the narrative report also.

A supply of MME Forms 60 and 61 is enclosed for your use.

Sincerely yours,

H. K. Stager
Field Officer
OME, Region II

Enclosures

cc: Chief, OME, WDC
D RF
ACG RF
MP RF
File 6534
HKStager:mlb

MME FORM 60
SEPT. 1959

OFFICIAL COPY O. M. E. RECEIVED OCT 24 1966 INITIALS CODE

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION

Docket No. OME-6534
Contract No. 14-23-090-2221
Contract Amount $ 34,200.00
Gov't. Participation 62½ $21,375.00
Mineral(s) Silver-gold

OPERATOR'S MONTHLY VOUCHER

For Month of September, 1966

Operator's Name BUSTY BELLE MINES, INC.
Address 212 Nerland Building, Fairbanks, Alaska, 99701

COST CATEGORIES	FOR OPERATOR'S USE			FOR GOVERNMENT APPROVAL ONLY		
	MONTHLY TOTAL	PREVIOUSLY REPORTED	TOTALS TO DATE	MONTHLY TOTAL	PREVIOUSLY REPORTED	TOTALS TO DATE
Fixed Unit Costs and						
(1) Independent Contracts:						
Bulldozing						
Drifting	4539.00	4590.00	9129.00			
Crosscutting						
Drilling						
Mobilization	-0-	155 0.00	1550.00			
Road & Portal	-0-	830.00	830.00			
(2) Personal Services:						
Supervision & Technical						
Outside Consultants						
Labor Accounting	50.00	50.00	100.00			
(3) Operating Mat'l. & Supplies:						
Timber	-0-	705.50	705.50			
Explosives						
Pipe						
Rail						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehab. & Repairs:						
Buildings, Fixtures, etc.						
Operating Equipment						
(6) New Buildings, Fixtures, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Analytical Work						
Payroll Taxes						
Employee's Liability Ins.						
TOTALS	4589.00	7725.50	12,314.50			

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

Date Oct. 11, 1966 * Payee BUSTY BELLE MINES, INC.

Per (Signature) JoAnn C. Burk Title Secretary

* 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.

A willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction is a criminal offense. (U.S. Code, Title 18, Sec. 1001.)

(INSTRUCTIONS ON REVERSE)

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

$ 2,868.13

Signature [illegible] (Authorized Certifying Officer)

14X0804

Date OCT 24 1966 Vou. No. 3334

(SEE OTHER SIDE)

Certification by Government Representative:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating an exploration project in accordance with the terms of Contract No. 2221

Signature H B Stager Title FIELD OFFICER Date OCT. 13, 1966

Approved by OME Executive Officer or Alternate: OME REGION II

Signature H B Stager Title FIELD OFFICER Date OCT. 13, 1966

OPERATOR'S MONTHLY REPORT

The Operator, under an Office of Minerals Exploration contract, is required to report monthly to the Government. The report consists of three parts.

FIRST, the Operator's Monthly Voucher on MME Form 60 listing the project costs incurred and claimed by the Operator is the voucher basis for payment of the Government's share of the cost.

SECOND, the Operator's Progress Report on MME Form 61 is a statistical report of the units and cost of of work performed under the contract.

THIRD, the Operator's Narrative Report is a concise description of the work performed, results accomplished, and any unusual situations encountered, illustrated and supported by engineering-geological maps or sketches, drill hole logs, assay reports, etc., as pertinent.

The Operator submits the original and ~~four~~ 3 copies of each of the three sections of this report to the OME regional Executive Officer at the end of each month during the life of the contract.

PREPARATION OF OPERATOR'S MONTHLY VOUCHER, MME FORM 60

After all applicable spaces are filled in, the Operator or his agent must sign the certification in the lower left corner. Categories (2) through (7) apply to "Actual Cost" contracts only.

Under "Fixed Unit Costs" and Category (1) report, (a) the total fixed unit costs of work performed under contract provisions for contribution by the Government on a basis of "fixed unit costs"; and (b) the claimed costs of work performed on a unit-price basis by independent contractors.

Under Category (2) include the claimed costs of all payrolled and invoiced supervisory, technical, and labor personnel, except the costs for services applicable to Categories (5) and (6).

Under Category (3) include the claimed costs of all project materials and supplies other than those used for work under Categories (5) and (6).

Under Category (4) report claimed rentals on equipment belonging to a third party, claimed payments or obligations for payments on the Operator's purchase of equipment, and claimed depreciation for the use of Operator-owned equipment.

Under Categories (5) and (6) include all claimed costs of labor, supervision, technical services, operating materials and supplies, and all other items used in (5) the initial rehabilitation and repairs of existing buildings, fixtures, installations (exclusive of mine workings), and operating equipment; and (6) the installation or construction of new buildings, fixtures, and fixed improvements (exclusive of mine workings). Do not report these costs under Categories (2), (3), (4), and (7).

Under Category (7) include all miscellaneous claimed costs such as repairs (other than initial) and maintenance of equipment, sampling and analysis, travel, communication, accounting, office expenses, and the Operator's share of payroll taxes and insurance.

Except for amounts claimed under "fixed unit costs" provisions of the contract, all costs claimed in this voucher must be supported by documentary evidence consisting of: (a) certified copies or transcripts of payrolls which list each employee, wage rate, period of employment, gross earnings, itemized deductions, and net earnings; (b) original or certified copies of invoices, statements of accounts, or purchase orders which indicate items of materials or services, quantities, unit prices, total charges, and payment terms; and (c) certified memoranda of the Operator for such items as depreciation of Operator-owned equipment, unemployment taxes, and employee's liability insurance. The certification may be stated thus, "Certified True Copy (or Transcript)", followed by the signature of the Operator or his agent. One copy of each document should accompany the original of this voucher.

The requirement for submitting documentary evidence of claimed costs may be waived by the OME regional Executive Officer if he determines that it is impracticable for an Operator to submit this material. In any case of waiver of this requirement an "on-site" audit by an OME auditor is mandatory prior to payment of the final Operator's Monthly Voucher.

MME FORM 61
SEPT. 1959

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION

OPERATOR'S PROGRESS REPORT For Month of September, 1966 Docket No. OME-6534

Operator's Name BUSTY BELLE MINES, INC. Contract No. 14-23-090-2221

OPERATION	UNITS	FOR OPERATOR'S USE: UNITS THIS MONTH	UNITS TO DATE	COSTS TO DATE	FOR GOVERNMENT USE: APPROVED UNITS THIS MONTH	APPROVED UNITS TO DATE	APPROVED COSTS TO DATE
Drifting	500	89	179	9129.00	89	179	$9,129.00
Crosscutting							
Raising							
Shafts							
Winzes							
Other Underground							
Drilling, Core-Diamond							
Rotary							
Drilling, Non-core-Diamond							
Rotary							
Churn							
Percussion							
Miscellaneous							
Timbering	500	-0-	85	705.50	0	85	705.50
Roads and Trails	1	-0-	1	830.00	0	1	830.00
~~Shipping~~ Mobiligation	1	-0-	1	1550.00	0	1	1550.00
~~Trenching~~ Accounting	4	1	2	100.00	1	2	100.00
Test Pitting							
Other Surface Work							
Initial Rehabilitation and Repairs							
Rehabilitation of Mine Workings							
New Buildings, Fixtures, etc.							
Operating Equipment Purchases							
Analytical Work							
TOTAL TO DATE *(per MME Form 60)*				12,314.50			$12,314.50

REMARKS

(Continue on back)

REMARKS

(Continue on back)

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 October 11, 1966 Operator BUSTY BELLE MINES, INC.

Per JoAnn C. Burk Title Secretary
(Mrs.) JoAnn C. Burk

A willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction is a criminal offense. (U.S. Code, Title 18, Sec. 1001.)

I certify that the information above is complete and accurate to the best of my knowledge and belief.

Signature H B Stager

Title Field Officer, OME Region II
Government Representative

Date Oct. 13, 1966

(INSTRUCTIONS ON REVERSE)

REMARKS *(Cont.)*

REMARKS *(Cont.)*

INSTRUCTIONS FOR PREPARING OPERATOR'S PROGRESS REPORT, MME FORM 61

This report is the second of the three parts of the Operator's Monthly Report. Submit the original and four copies.

The cost for each operation should be the total of all claimed costs attributable to that type of work with two exceptions, namely—operating equipment purchased and analytical work which are stated separately. For example, drifting costs should be the total of all costs chargeable to drifting including supervision, technical services, timbering (if any), etc. Similarly, drilling costs should include the cost of cementing, reaming, core boxes, etc. This procedure of distribution holds whether the contract was written on an actual cost or a unit cost basis, or some combination of the two. Distribute the cost of such general items as supervision, equipment rented, etc. according to relative footages or on some other conventional basis. The item "Initial Rehabilitation and Repairs" covers all rehabilitation and/or repairs other than the rehabilitation of mine workings.

The item titled "Drilling, Non-core Percussion" includes all drilling performed with wagon, jack-hammer, stoper and mounted drills. The several items labelled "Other" are provided to take care of particular exploration operations not specified on this form.

NARRATIVE REPORT

Progress during the month of September has been steady and as expected. There was a loss of work in the drift for approximately 4 or 5 days due to break-down of drill which had been on loan, but with the purchase and arrival of a new Gardner-Denver drill, no loss of time due to break-down is expected.

There has been no mineralization of any significance to date. However, we are now within a few feet of coming directly beneath the area of the short drift which was worked by Tury Anderson. We are hopeful there will beaa show of mineralization in this area.

There has been no necessity of any timbering beyond the point to which we timbered on the last report. The rock formation is very hard and no loose fragmentary formations are evident.

There is some snow on the ground at present - about 2 inches. The temperature has remained normal to above-normal for this time of the year and therefore presents no problem.

RECEIVED
OCT 13 1980
OFFICE OF MINERALS EXPLORATION
U.S. GEOLOGICAL SURVEY
MENLO PARK, CALIF.

MME FORM 60
SEPT. 1959

OFFICIAL COPY
O. M. E.
RECEIVED
OCT 24 1966
INITIALS

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION

Docket No. OME-6534
Contract No. 14-23-090-2221
Contract Amount $ 34,200.00
Gov't. Participation % 62½ $ 21,375.00
Mineral(s) Silver-Gold

OPERATOR'S MONTHLY VOUCHER For Month of AUGUST, 1966

Operator's Name BUSTY BELLE MINES, INC.
Address 212 Nerland Building, Fairbanks, Alaska, 99701

COST CATEGORIES	FOR OPERATOR'S USE			FOR GOVERNMENT APPROVAL ONLY		
	MONTHLY TOTAL	PREVIOUSLY REPORTED	TOTALS TO DATE	MONTHLY TOTAL	PREVIOUSLY REPORTED	TOTALS TO DATE
Fixed Unit Costs and						
(1) Independent Contracts:						
Bulldozing						
Drifting	4590.00	-0-	$4590.00			
Crosscutting						
Drilling						
Mobilization	1550.00	-0-	1550.00			
Road & Portal	830.00	-0-	830.00			
(2) Personal Services:						
Supervision & Technical						
Outside Consultants						
Labor Accounting	50.00	-0-	50.00			
(3) Operating Mat'l. & Supplies:						
Timber	705.50	-0-	705.50			
Explosives						
Pipe						
Rail						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehab. & Repairs:						
Buildings, Fixtures, etc.						
Operating Equipment						
(6) New Buildings, Fixtures, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Analytical Work						
Payroll Taxes						
Employee's Liability Ins.						
TOTALS	7725.50	-0-	$7725.50			

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

Date Sept. 15, 1966 *Payee Busty Belle Mines, Inc.

Per Mrs. James C. Burk Title Secretary

* 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.

A willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction is a criminal offense. (U.S. Code, Title 18, Sec. 1001.)

(INSTRUCTIONS ON REVERSE)

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

$ 4,828.44

Signature 14X0804
(Authorized Certifying Officer)

Date OCT 24 1966 Vou. No. 3334

(SEE OTHER SIDE)

Certification by Government Representative:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating an exploration project in accordance with the terms of Contract No. 2221

Signature H. B. Stager Title Field Officer Date Oct. 4, 1966

Approved by OME Executive Officer or Alternate: OME Region F

Signature H. B. Stager Title Field Officer Date Oct. 4, 1966

OPERATOR'S MONTHLY REPORT

The Operator, under an Office of Minerals Exploration contract, is required to report monthly to the Government. The report consists of three parts.

FIRST, the Operator's Monthly Voucher on MME Form 60 listing the project costs incurred and claimed by the Operator is the voucher basis for payment of the Government's share of the cost.

SECOND, the Operator's Progress Report on MME Form 61 is a statistical report of the units and cost of of work performed under the contract.

THIRD, the Operator's Narrative Report is a concise description of the work performed, results accomplished, and any unusual situations encountered, illustrated and supported by engineering-geological maps or sketches, drill hole logs, assay reports, etc., as pertinent.

The Operator submits the original and ~~four~~ 3 copies of each of the three sections of this report to the OME regional Executive Officer at the end of each month during the life of the contract.

PREPARATION OF OPERATOR'S MONTHLY VOUCHER, MME FORM 60

After all applicable spaces are filled in, the Operator or his agent must sign the certification in the lower left corner. Categories (2) through (7) apply to "Actual Cost" contracts only.

Under "Fixed Unit Costs" and Category (1) report, (a) the total fixed unit costs of work performed under contract provisions for contribution by the Government on a basis of "fixed unit costs"; and (b) the claimed costs of work performed on a unit-price basis by independent contractors.

Under Category (2) include the claimed costs of all payrolled and invoiced supervisory, technical, and labor personnel, except the costs for services applicable to Categories (5) and (6).

Under Category (3) include the claimed costs of all project materials and supplies other than those used for work under Categories (5) and (6).

Under Category (4) report claimed rentals on equipment belonging to a third party, claimed payments or obligations for payments on the Operator's purchase of equipment, and claimed depreciation for the use of Operator-owned equipment.

Under Categories (5) and (6) include all claimed costs of labor, supervision, technical services, operating materials and supplies, and all other items used in (5) the initial rehabilitation and repairs of existing buildings, fixtures, installations (exclusive of mine workings), and operating equipment; and (6) the installation or construction of new buildings, fixtures, and fixed improvements (exclusive of mine workings). Do not report these costs under Categories (2), (3), (4), and (7).

Under Category (7) include all miscellaneous claimed costs such as repairs (other than initial) and maintenance of equipment, sampling and analysis, travel, communication, accounting, office expenses, and the Operator's share of payroll taxes and insurance.

Except for amounts claimed under "fixed unit costs" provisions of the contract, all costs claimed in this voucher must be supported by documentary evidence consisting of: (a) certified copies or transcripts of payrolls which list each employee, wage rate, period of employment, gross earnings, itemized deductions, and net earnings; (b) original or certified copies of invoices, statements of accounts, or purchase orders which indicate items of materials or services, quantities, unit prices, total charges, and payment terms; and (c) certified memoranda of the Operator for such items as depreciation of Operator-owned equipment, unemployment taxes, and employee's liability insurance. The certification may be stated thus, "Certified True Copy (or Transcript)", followed by the signature of the Operator or his agent. One copy of each document should accompany the original of this voucher.

The requirement for submitting documentary evidence of claimed costs may be waived by the OME regional Executive Officer if he determines that it is impracticable for an Operator to submit this material. In any case of waiver of this requirement an "on-site" audit by an OME auditor is mandatory prior to payment of the final Operator's Monthly Voucher.

MME FORM 61
SEPT. 1959

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION

OPERATOR'S PROGRESS REPORT For Month of AUGUST, 1966 Docket No. OME-6534

Operator's Name BUSTY BELLE MINES, INC. Contract No. 14-23-090-2221

OPERATION	UNITS	FOR OPERATOR'S USE: UNITS THIS MONTH	UNITS TO DATE	COSTS TO DATE	FOR GOVERNMENT USE: APPROVED UNITS THIS MONTH	APPROVED UNITS TO DATE	APPROVED COSTS TO DATE
Drifting	500	90	90	$4590.00	90	90	$4,590.00
Crosscutting							
Raising							
Shafts							
Winzes							
Other Underground							
Drilling, Core-Diamond							
Rotary							
Drilling, Non-core-Diamond							
Rotary							
Churn							
Percussion							
Miscellaneous							
Timbering	500	85	85	705.50	85	85	705.50
Roads and Trails	1	1	1	830.00	1	1	830.00
~~Stripping~~ Mobilization	1	1	1	1550.00	1	1	1550.00
~~Trenching~~ Accounting	4	1	1	50.00	1	1	50.00
Test Pitting							
Other Surface Work							
Initial Rehabilitation and Repairs							
Rehabilitation of Mine Workings							
New Buildings, Fixtures, etc.							
Operating Equipment Purchases							
Analytical Work							
TOTAL TO DATE *(per MME Form 60)*				$7,725.50			$7,725.50

REMARKS

(Continue on back)

REMARKS

(Continue on back)

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

Date 9-15-66 Operator BUSTY BELLE MINES, INC.

Per Mrs. Johnn C. Burk Title Secretary

A willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction is a criminal offense. (U.S. Code, Title 18, Sec. 1001.)

I certify that the information above is complete and accurate to the best of my knowledge and belief.

Signature H B Hagen

Title FIELD OFFICER, OME REGION II
Government Representative

Date Oct. 4, 1966

(INSTRUCTIONS ON REVERSE)

REMARKS *(Cont.)*

REMARKS *(Cont.)*

INSTRUCTIONS FOR PREPARING OPERATOR'S PROGRESS REPORT, MME FORM 61

This report is the second of the three parts of the Operator's Monthly Report. Submit the original and four copies.

The cost for each operation should be the total of all claimed costs attributable to that type of work with two exceptions, namely—operating equipment purchased and analytical work which are stated separately. For example, drifting costs should be the total of all costs chargeable to drifting including supervision, technical services, timbering (if any), etc. Similarly, drilling costs should include the cost of cementing, reaming, core boxes, etc. This procedure of distribution holds whether the contract was written on an actual cost or a unit cost basis, or some combination of the two. Distribute the cost of such general items as supervision, equipment rented, etc. according to relative footages or on some other conventional basis. The item "Initial Rehabilitation and Repairs" covers all rehabilitation and/or repairs other than the rehabilitation of mine workings.

The item titled "Drilling, Non-core Percussion" includes all drilling performed with wagon, jack-hammer, stoper and mounted drills. The several items labelled "Other" are provided to take care of particular exploration operations not specified on this form.

NARRATIVE REPORT

We began full time operation under the contract approximately August 1, 1966. Work has progressed quite satisfactorily. We have had a relatively small amount of break-down, so progress has gone ahead as expected.

The road construction and portal preparation were the first units completed as per outline in contract. Some perma-frost was evidenced in dozing the road bed. The road bed is now solid with no problems of oozing or further thawing.

The portal site preparation has been completed. A clearing of about 150' X 300' has been dozed.

The change-over from the pneumatic-tired mucker to one on rails obviated the laying of rail and the building of a dumping ramp for the disposal of muck. Whenever the muck has accumulated to a large amount, the accumulation is dozed up and distributed where needed on the portal site - thereby making more solid the area in that there is some perma-frost on the left facing the mouth of the drift. We have placed a building on the site near the mouth which houses the compressor and the light plant.

The site has been prepared to enable us to continue with the operations as long into the winter months as is feasible.

The rock formation at the outset was very loose as expected and required timbering for the first 85 feet. It is now extremely hard and as yet hasn't required timbering beyond the 85 foot point.

There has been no mineralized area of any significance to this point.

BUSTY BELLE MINES, INC.
212 Nerland Building
543 Third Avenue
Fairbanks, Alaska 99701

Warren A. Taylor, Pres.
John C. Rasor, V. Pres.-Treas.
JoAnn C. Burk, Sec'y.

OFFICIAL
COPY
O. M. E.
RECEIVED
OCT 6 1966
INITIALS
120 M
120 S

Office of Minerals Exploration
345 Middlefield Road
Menlo Park, California, 94025

Attention: H. K. Stager, Field Officer

Dear Mr. Stager:

Enclosed herewith is original and three copies each of the Monthly Voucher, Progress Report and a narrative report on the project for the month of August. This report was delayed due to the misplacement of the forms and from here on the reports will be forthcoming on time shortly after the end of each month.

Sincerely yours,
BUSTY BELLE MINES, INC.

JoAnn C. Burk
(Mrs.) JoAnn C. Burk,
Secretary

jcb
Enc.: as cited

RECEIVED
OCT 3 1966
OFFICE OF MINERALS EXPLORATION
U.S. GEOLOGICAL SURVEY
MENLO PARK, CALIF.

UNITED STATES GOVERNMENT

Memorandum

TO : H. K. Stager
OME, Menlo Park

DATE: October 12, 1966

FROM : R. M. Chapman
Alaskan Geology Branch, College

RMD 120 S

SUBJECT: Information on current OME projects and applications.

OME-6553

I have talked with Mr. Carl Carlson and also Richard Rowe about Carlson's Bourdough Creek placer gold application. Rowe actually prepared most of the application for Carlson, and Carlson has had some second thoughts about the trenching proposal and is not really unhappy that we do not want to approve it. It seems to me that neither of them had fully realized the difficulties that would more than likely be involved in draining the trenches and in moving a rather large yardage of gravel.

They had not considered drilling chiefly because they had no drill, and thought it would be difficult and expensive to obtain one. Rowe claims to have had considerable drilling experience while working for Union Carbide in the Colorado Plateau, and with a little instruction and supervision, which he could get from people here (such as Ernest Wolff), he should be able to use a churn drill satisfactorily. The standard placer drilling operation is really quite simple as long as one has good equipment and is careful in recovering and handling the material from the hole. A good discussion of this method is given by Wolff in his book "Handbook for the Alaskan Prospector", p. 236-265.

I have suggested to Carlson and Rowe that, if they wish, Ernie Wolff and I will review their problems with them and help them to outline a reasonable drilling program. Carlson is undecided as to exactly what he wants to do, and, until he has a chance to talk with Rowe and think over the costs, he will not want to make any further proposal. Drilling could be done in the winter months, but it would be much easier and cheaper to do it next spring. I will let you know when I hear anything further from them, but I do not anticipate that Carlson will make any decision in the near future.

OME-6534 Smith

Work on the Busty Belle property is progressing satisfactorily. The adit is in about 190 feet now. You should have received reports from them for August and September. They did have the report forms that you said were sent to them, but the forms had been misplaced.

OME-6546 Smith

I am writing to Kirk Stanley in regard to his Silver Creek prospect application. He should be back in Anchorage from the field by now.

Bob

RECEIVED
OCT 17 1966
OFFICE OF MINERALS EXPLORATION
U.S. GEOLOGICAL SURVEY
MENLO PARK, CALIF.

Office of Minerals Exploration
345 Middlefield Road
Menlo Park, California 94025

October 10, 1966

Mr. Warren A. Taylor, President
Rusty Belle Mines, Inc.
P.O. Box 200
Fairbanks, Alaska 99701

Re: OME-6534 (Silver-Gold)
Rusty Belle Mines, Inc.
Silvertone and Cottonwood Claims
Fairbanks Recording District, Alaska
Contract No. 2221

Dear Mr. Taylor:

In reply to your letter of October 7, 1966, concerning payment of your August voucher, this is to advise you that it normally requires about two weeks for a voucher to be processed and paid, subsequent to the first voucher that may require a few days longer. Your August voucher was received in this office on October 3, 1966, and was forwarded to Washington, D. C. for payment on October 4, 1966. I expect you will receive a check for it about October 20th, or soon thereafter. Your September voucher has not yet been received in this office.

It appears there may be delays within your own organization in the handling of OME correspondence, contracts, and vouchers. For example: The OME contract, dated June 23, 1966, was sent to you for signature on June 27th, but it was not until over a month had passed and several inquiries had been made by Mr. R. M. Chapman in Fairbanks that the signed contract was returned to this office on August 2, 1966; on August 8th a supply of monthly report forms and vouchers were sent to your office, but the voucher for work done in August was not submitted until October 3rd.

Please be assured that the monthly vouchers receive priority treatment when received in this office and are usually checked, certified, and forwarded to Washington, D. C. for processing on the same day as received. When your September voucher arrives it will receive my prompt attention.

Sincerely yours,

E. K. Stager
Field Officer
OME, Region II

cc: Chief, OME, WDC
D RF
RMChapman-College, Alaska
ACG RF
MP RF
File 6543
EKStager:mlb

sent to Bud. + file 10/7/66

120 M
~~110~~
120 S

WARREN A. TAYLOR
ATTORNEY AT LAW
212 NERLAND BUILDING
P. O. BOX 200
FAIRBANKS, ALASKA 99701
TELEPHONE 452-3170

RECEIVED
OCT 10 1966
OFFICE OF MINERALS EXPLORATION
U.S. GEOLOGICAL SURVEY
MENLO PARK, CALIF.

October 7, 1966

Office of Mineral Exploration
345 Middlefield Rd.
Menlo Park, California

Re: OME Loan - Busty Belle Mining Co.

Gentlemen:

In September we submitted our claim for payment of 62 1/2% of expenditures in August.

We have now submitted our claim for September payment.

We have received no remittance in August and our creditors are getting impatient, as we advised them at the time of incurring our obligations that we would have money for payment within 30 days after submission to your office.

It will be appreciated if you could advise us when we may expect the August payment.

Sincerely yours,

Warren A. Taylor/cp
Warren A. Taylor - President
Busty Belle Mines, Inc.

WAT/cp

Memorandum

September 15, 1966

OFFICIAL COPY
O. M. E.
RECEIVED
SEP 16 1966
INITIALS | CODE

To: Robert M. Chapman
Alaskan Geology Branch
College, Alaska

From: H. K. Stager
Field Officer, OME, Region II
Menlo Park, California

Subject: OME-6554 (Silver-Gold)
Busty Belle Mines, Inc.
Silvertone and Cottonwood Groups of Claims
Fairbanks Recording District, Alaska
Contract No. 2221

In reply to your memo of September 12, 1966, concerning monthly reports and interim inspections of the subject contract, enclosed is an extra copy of the contract for your use. I have sent Mrs. Burk a three-month supply of the necessary forms for their report and vouchers. We would appreciate it if you could make an inspection trip to the property every month or six weeks and give us a short interim report (1 or 2 pages, 2 copies) on progress--such as number of feet of crosscutting and drifting, timbering, problems, compliance with terms of the contract, geology, ore, etc.

Thank you for the newspaper clippings--it appears the project is being well covered by the local press. Also enclosed for your use are 10 copies of the OME booklet and applications forms.

Enclosures

cc: Chief, OME, WDC
ACG RF
D RF
MP RF
File 6554
HKStager:mlb

Rep. Joe R. Tool, D-Tenn.

Belle Mine Gets Help For Work

News-Miner 8/16/66

The Department of Interior announced today that the Busty Belle Mines Inc. of Fairbanks will receive $21,375 in government funds to help cover costs of gold and silver explorations on the Silvertone, Cottonwood and adjoining claims in Fairbanks Precinct.

The funds, from the Office of Mineral Exploration, will cover part of the estimated exploratory cost of $34,200, the Department of Interior said.

Warren Taylor, president of Busty Belle Mines, Inc., said the Silvertone and Cottonwood are two groups of four claims each in the Fox Gulch area.

The mining group was incorporated about seven months ago for the purpose of exploration work on claims in the area. The group now owns 17 claims, including the eight claims making up the Silvertone and Cottonwood.

The group bought the Silvertone and Cottonwood claims from Tury Anderson of Fairbanks, now a director of the company. Other members of the group are Vic Rohrbough, vice president, Jo Anne Burk, secretary and Mel Anderson, director.

Taylor says there is one working tunnel on the Silvertone claim that will be 500 feet in length and 125 feet deep.

"This tunnel will allow us to cross-cut 17 or 18 veins exposed on the surface," Taylor said.

The group is interested in gold, silver and lead deposits.

Taylor said assay reports on the Silvertone claims show 50 to 160 ounces per ton of silver; one to two ounces per ton of gold and 17 per cent to 34 per cent (700 pounds per ton) of lead.

Newspaper Clippings

OPTIONAL FORM NO. 10
MAY 1962 EDITION
GSA GEN. REG. NO. 27

5010-108

UNITED STATES GOVERNMENT

Memorandum

TO : H. K. Stager, Field Officer
OME, Menlo Park

DATE: September 14, 1966

FROM : Robert M. Chapman
Alaskan Geology Branch, College

SUBJECT: Busty Belle Mines, Inc., OME-6~~5~~3~~4~~

While in the field yesterday I visited the Busty Belle property to see how they were coming along. At the time, they were shut down for repairs on the mucking machine, and I suspect that it will be several days at least before a broken shaft can be replaced.

The present face is 94 feet from the portal, and timbering is completed to 80 feet. No veins or mineralization other than a few small quartz stringers have been encountered, and reportedly a few samples have been submitted for assay.

My approximate calculations show that the distance from the portal to the existing vertical shaft is about 325 feet. The adit will be about 77 feet below the surface at this point.

Bob

OFFICIAL COPY
O. M. E.
RECEIVED
SEP 19 1966

INITIALS	CODE
	~~120 22~~
	~~110~~
	120 8

RECEIVED
SEP 16 1966
OFFICE OF MINERALS EXPLORATION
U.S. GEOLOGICAL SURVEY
MENLO PARK, CALIF.

Office of Minerals Exploration
345 Middlefield Road
Menlo Park, California 94025

OFFICIAL COPY
OCT 10 1966

August 8, 1966

Busty Belle Mines, Inc.
212 Nerland Bldg.
543 Third Avenue
Fairbanks, Alaska 99701

Re: OME-6534 (Silver-Gold)
Busty Belle Mines, Inc.
Silvertone and Cottonwood Claims
Fairbanks Recording District, Alaska
Contract No. 2221

Dear Sirs:

Enclosed is a three-month supply (15 copies each) of Forms MME-60 and MME-61, for your use in submitting your monthly report of exploration costs. The original and three copies of each form, together with a short narrative report, should be submitted to this office each month. If you have any questions regarding the preparation of these vouchers and reports, please write to me and I will be glad to help you.

We received the executed copies of the contract from you on August 2, 1966, and have forwarded them to Washington, D. C.

Sincerely yours,

H. K. Stager
Field Officer
OME, Region II

Enclosures

cc: Chief, OME, WDC
Dir RF
ACG RF
MP RF
MP Docket 6534
HKStager:mlb

MME Form 7
(2/63)

OFFICIAL FILE COPY

Date	Surname	Code
8/5	Kirkemo	120
		110
8/	cc	220
		120N

AIRMAIL

AUG 5 1966

Dusty Belle Mines, Inc.
212 Nerland Building
543 Third Avenue
Fairbanks, Alaska 99701

Re: OME-6534 (Silver-Gold)
Dusty Belle Mines, Inc.
Silverbow and Cottonwood Groups of Claims
Fairbanks Precinct, Alaska
Contract 2221

Gentlemen:

This will acknowledge with thanks receipt of the signed contract to explore the subject property.

It is unfortunate that we did not have the estimates for the cost of equipment you would use on the project when we prepared the contract. The contract is now in force and cannot be amended either to provide for the additional cost of this equipment or, if costs had been less than estimated, to reduce the cost.

We hope that the added expense does not disrupt operations at the project.

Sincerely yours,

FRANK E. JOHNSON

Frank E. Johnson
Chief, Office of
Minerals Exploration

cc: Director's Reading File
Division File
Economic Geology File
OME Docket
OME Region II (2)
OME Reading File
Mr. Kirkemo

HKirkemo/gla 8-5-66

23263

IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

August 2, 1966

OFFICIAL COPY
O. M. E.
RECEIVED
AUG 4 1966

INITIALS	CODE
8/4	210
gla	120
~~[illegible]~~	~~110~~
	120

Memorandum

To: Chief, Office of Minerals Exploration
Washington, D. C.

From: Field Officer
Region II

Subject: OME-6534 (Silver-Gold)
Busty Belle Mines, Inc.
Silvertone and Cottonwood
Groups of Claims
Fairbanks Recording District, Alaska
Contract No. 2221

Enclosed are the original and one copy of the signed contract.

The remaining copies have been distributed in the usual manner.

H. K. Stager by M. S. B.
H. K. Stager

Enclosures

BUSTY BELLE MINES, INC.
212 Nerland Building
543 Third Avenue
Fairbanks, Alaska 99701

OME-6534
Contract No. 2221

Warren A. Taylor, Pres.
John C. Rasor, V. Pres.-Treas.
JoAnn C. Burk, Sec'y.

RECEIVED
AUG 2 1966
OFFICE OF MINERALS EXPLORATION
U.S. GEOLOGICAL SURVEY
MENLO PARK, CALIF.

July 22, 1966

Office of Minerals Exploration
345 Middlefield Road
Menlo Park, California, 94025

Attention: H. K. Stager, Field Officer

Dear Mr. Stager:

Enclosed please find the three copies of the contract executed by us which were to be remitted to you. We have retained our copy. We began work on this project on July 14.

We have signed the contract as is although there appears to be a change in our plans as to the equipment. We have been unable to acquire one of the mucking machines of the type of which we sent the brochure. They are imported from Sweden and are not always readily available. We have purchased equipment located in Fairbanks area consisting of a Joy mucker, 2 ore cars, a trammer, enough rail to complete our drift, a 13,000.500 Cu. Ft. Gardner-Denver compressor, a drifter and a stoper. These are actually of a greater value than that upon which the depreciation of equipment was originally figured. If it is your desire to revise the depreciation figure and wish a breakdown, your request will be attended to. However, if the contract cannot be revised as to the depreciation, the figure will have to be satisfactory.

Sincerely yours,
BUSTY BELLE MINES, INC.

JoAnn C. Burk

(Mrs.) JoAnn C. Burk, Secretary

JCB
Enc. as cited.

Office of Minerals Exploration
345 Middlefield Road
Menlo Park, California 94025

OFFICIAL
COPY
O. M. E.
RECEIVED
JUN 29 1966
INITIALS CODE

June 27, 1966

Busty Belle Mines, Inc.
212 Nerland Building
543 Third Avenue
Fairbanks, Alaska 99701

Re: OME-6543 (Silver-Gold)
Busty Belle Mines, Inc.
Silvertone and Cottonwood Claims
Fairbanks Precinct, Alaska

Gentlemen:

Enclosed are the original and three copies of a proposed contract for the subject property signed by the Director for the Government.

The contract consists of MME Form 51 (5 pages), Annex I (2 pages), 1 Lien and Subordination Agreement, Exhibit A (3 pages), Exhibit B (1 page), and two maps (Figs. 1 and 2).

If the proposed contract meets with your approval, all four copies should be signed by an authorized representative of Busty Belle Mines, Inc., and the following copies returned to this office:

Government's Copy
Budget and Finance's Copy
Field Office's Copy

The Operator's Copy should be retained for your files.

If any part of the proposed contract does not meet with your approval, the original and all copies should be returned to this office together with your changes for consideration.

Please insert the address of Mr. Tury F. Anderson on the reverse side of the Lien and Subordination Agreements (MME Form 52).

Please note that the 6-3/4 percent interest, in Article I(c) of the contract, accrues from the dates on which individual payments are made by the Government, and, like the principal, is repayable from royalty on production.

The Fixed Unit Cost of $51.00/ft for 500 feet of crosscutting and drifting is based on 5 feet per round, 1 round per day, 3 men (8 hours each per day), 7 days per week. The following estimates were used in arriving at this cost per foot:

Labor

1 working supervisor ($6.00, $9.00, $12.00) 800 hours at $7.29/hour	-	$ 5,832.00	
2 miners ($5.57, $8.36, $11.14) 1,600 hours at $6.76/hour	-	10,816.00	
Insurance (workmen's comp.) at 12.6%	-	2,097.65	
Payroll tax (employee matching) at 6.3%	-	1,048.83	
			$19,794.48

Supplies

Powder 40% 3,500 lbs. at $32.75/cwt	-	$ 1,146.25	
Caps, electric, 1,500 at 35¢	-	525.00	
Bits (Applicant's guesstimate)	-	200.00	
Drill steel (Applicant's guesstimate)	-	347.00	
Fuel - lubricants (Applicant's guesstimate)	-	1,200.00	
Picks, 1 dozen	-	57.00	
Shovels, 1 dozen	-	105.00	
Pipe, couplings, valves at 50% salvage	-	140.00	
Hose for compressor	-	616.00	
Lights and carbide	-	50.00	
First aid, safety supplies and equipment	-	100.00	
			$ 4,486.25

Equipment

Depreciation mucker, drill, compressor $15,087.00 x 1/60 x 4 months	-	$ 1,005.80
Estimated total direct costs, 500 feet	-	$25,286.53
Estimated Fixed Unit Cost per foot	-	$ 50.57
Rounded to		$ 51.00

Sincerely yours,

H. K. Stager
Field Officer, OME, Region II

cc: Chief, OME, WDC
cc: D RF
ACG RF
File 6534
MP Rf

(2/65)

OFFICIAL FILE COPY

Date	Surname	Code
6/23	Johnson	110
6/24	Kilgoore	
6/24	Jones	
6/24	Jones	
6/24	Lydden	220

JUN 24 1966

Hon. Ernest Gruening
United States Senate
Washington, D. C. 20510

Dear Senator Gruening:

With reference to your letter of June 20, 1966, on behalf of Mr. Warren A. Taylor of Fairbanks, Alaska, concerning the status of the application of Dusty Belle Mines, Inc. for exploration assistance, we are pleased to inform you that an exploration contract to explore the applicant's property in Alaska has been approved and sent airmail on June 23, 1966, to the Field Officer, OME Region II, Menlo Park, California, for forwarding to the applicant.

Because of the short working season, special attention is given to applications received for exploration assistance on properties in Alaska in order to expedite their processing.

Your continued interest in the minerals exploration program is appreciated.

Sincerely yours,

W D Record

Director

cc: General files
Division file
Dir. chron. file
Economic Geology file
OME file (docket OME-6334)
OME reading file
OME Region II

FEJohnson/bih 6/23/66

23263

CLINTON P. ANDERSON, N. MEX.
ALAN BRIDGES CRANSTON, CALIF.
FRANK CHURCH, IDAHO
ERNEST GRUENING, ALASKA
FRANK E. MOSS, UTAH
QUENTIN N. BURDICK, N. DAK.
CARL HAYDEN, ARIZ.
GEORGE McGOVERN, S. DAK.
GAYLORD NELSON, WIS.
LEE METCALF, MONT.

JERRY T. VERKLER, STAFF DIRECTOR

United States Senate

COMMITTEE ON
INTERIOR AND INSULAR AFFAIRS

M[illegible]
Chief [illegible]
[illegible]
Gen[illegible]
Department
Wash[illegible]

Dear M[illegible]

[illegible] concerning
the stat[illegible] loan by Warren
A. Tay[illegible] importance of
speedy [illegible] re, the time
during [illegible] ted in Alaska
is very [illegible] Mr. Taylor's
operat[illegible] ing a mining
operat[illegible].

[illegible] to expedite
action [illegible] the appli-
cation [illegible] Mines, Inc."

[illegible]

[illegible], U. S. S.

MME Form 7
(2/63)

OFFICIAL FILE COPY

Date	Surname	Code
6/25	RM Smith	
6/20/66	Kirkpatrick	
"	Johnson	
6/21	Kielgaard	
6/22	Zivetz	

JUN 23 1966

AIRMAIL

Memorandum

To: Field Officer, Region II

From: Chief, Office of Minerals Exploration

Subject: GME-6334 (Silver-Gold)
Dusty Bells Mines, Inc.
Silvertone and Cottonwood Groups of Claims
Fairbanks Precinct, Alaska

Enclosed are the original and three copies of a proposed contract for the subject groups of claims. The contract consists of MME Form 51, (5 pages), Annex I (2 pages), 1 Lien and Subordination Agreements, Exhibit A (3 pages), Exhibit B (1 page), and two maps (Figs. 1 and 2). All copies of the contract have been signed for the Government. You should insert the date for commencement of the work. Also enclosed is an extra unsigned copy of the contract for field use.

If the proposed contract is satisfactory to you and the Applicant, all four copies should be signed by an authorized representative of the Applicant. Thereafter, please distribute the copies in the usual manner.

Please advise the Applicant that the 6-3/4 percent interest accrues from the dates on which individual payments are made by the Government and like the principal is repayable from royalty on production.

If any part of the proposed contract does not have your approval or that of the Applicant, the original and all copies should be returned to this office together with the proposed changes for consideration.

The address of Mr. Tory F. Anderson should be inserted on the reverse side of the Lien and Subordination Agreements.

The Fixed Unit Cost of $51.00/foot for 500 feet of crosscutting and drifting is based on 5 feet per round, 1 round per day, 3 man - 8 hours each per day, 7 days per week.

23263

Labor

1 working supervisor ($6.00, $9.00, $12.00) 800 hours @ $7.29/hour	$5,832.00	
2 miners ($5.57, $8.36, $11.14) 1,600 hours @ $6.76/hour	10,816.00	
Insurance (workmans comp.) @ 12.6%	2,097.65	
Payroll tax (employee matching) @ 6.3%	1,048.83	
		$19,794.48

Supplies

Powder 40% 3,500 lbs. @ $32.75/cwt.	$1,146.25	
Caps, electric, 1,500 @ $0.35	525.00	
Bits (Applicant's guesstimate)	200.00	
Drill steel (Applicant's guesstimate)	347.00	
Fuel - lubricants " "	1,200.00	
Picks, 1 dozen	57.00	
Shovels, 1 dozen	105.00	
Pipe, couplings, valves @ 50% salvage	140.00	
Hose for compressor	616.00	
Lights and carbide	50.00	
First aid, safety supplies and equipment	100.00	
		$ 4,486.25

Equipment

Depreciation mucker, drill, compressor $15,087.00 x 1/60 x 4 months	$ 1,005.80
Estimated total direct costs, 500 feet	$25,286.53
Estimated Fixed Unit Cost per feet	$ 50.57
Rounded to	$ 51.00

You may wish to obtain the Applicant's concurrence in this estimate.

FRANK E JOHNSON

Frank E. Johnson

Enclosures

130
Smith
RMSmith/mm (6/20/66

cc: Director's Reading File
Division File
Economic Geology File
OME Docket
OME Reading File

MME FORM 6 REFERENCE SLIP
REV. 2-59 OFFICE OF MINERALS EXPLORATION

TO:	DATE	INITIALS
1. Associate Solicitor, Rm. 6042		
2. R. M. Smith, 4450		
3.		
4.		
5.		
FROM: Frank E. Johnson	6/10/66	

RECEIVED
JUN 14 1966
Division of Mineral Resources
and General Legal Services

FOR: Check items for action desired

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

REMARKS:

F-66-2140.11

FROM SOLICITOR
SOLICITOR
JUN 17
JUN 13 1966
FOR SIGNATURE
INTERIOR DEPT.

INT.-DUP. SEC., WASH., D.C. M56300-62

DRAFT RMSmith/mm
6/7/66

Docket
RMS
HK
JB

MME Form 51
July 1965

UNITED STATES OF AMERICA
DEPARTMENT OF THE INTERIOR
U. S. Geological Survey

EXPLORATION CONTRACT
(Short Form)

Docket	Commodity	Contract No.	County	State
OME-6534	Silver-Gold		~~Fairbanks Precinct~~ Fourth Judicial District,	Alaska

It is agreed _____ (Date), between the United States of America, acting through the Department of the Interior, U. S. Geological Survey, hereinafter called the "Government," and

Busty Belle Mines, Inc., an Alaskan corporation

_____,

whose mailing address is **212 Nerland Building, Fairbanks, Alaska 99701**, hereinafter called the "Operator," as follows:

ARTICLE I. Authority and scope.--(a) This contract, entered into under the authority of Public Law 701, 85th Cong., 2d sess. (72 Stat. 700; 30 U.S.C. § 641 - 646), consists of this form, the attached Annex I (land description), Exhibit A (work and costs), and the maps and documents listed. The work is a search for new or unexplored deposits of the commodity designated above. The Operator shall begin the work on or before _____ (Date), and, subject to the provisions of Article 7 and Exhibit A, shall complete the work within **12** months from the date of the contract.

(b) The description of the work and the fixed cost for each unit of work to be performed (per foot of drilling, per foot of drifting, per hour of operations, etc.) are hereby agreed upon as specified in Exhibit A. The estimated total cost of the work is $**34,200.00**. The Government will contribute **62½%** ~~50~~ percent of the total fixed unit costs of the work performed, not in excess of $**21,375.00** in accordance with the provisions of Articles 4 and 5.

(c) Interest computation.--Simple interest at the rate of _____ percent shall accrue from the dates Federal funds are made available until the period specified for payment of royalty expires, or until the amount of Federal funds contributed is fully repaid with interest.

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

ARTICLE 2. Operator's rights in land.--(a)The Operator represents and undertakes that Annex I correctly describes the land which is the subject of this contract and the nature of the Operator's right of property and possession therein (whether as owner, lessee, or otherwise), and that such right, title, or interest is subject only to the following claims, liens, or encumbrances:

See Annex I

(b) 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 Lien Agreement of any holder of the legal title of the land (lessor, seller, optionor, etc.) are attached as follows:

See Annex I

(c) The Operator shall preserve and maintain his right, title, or 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. 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 royalty on production and liens for the payment thereof. Two true copies of such instrument shall be furnished to the Government. If the Government's rights to royalty as provided in Article 6 have been terminated, the provisions of this paragraph (c) shall become inapplicable.

ARTICLE 3. Performance of the work.--(a) Operator's responsibility.--The work shall be performed diligently, efficiently, in a workmanlike manner in accordance with good mining standards, and in compliance with State laws governing health, safety, and liability insurance covering employment. The Operator shall provide suitable and adequate equipment, facilities, materials, supplies, and labor to complete the work as specified in Article 1(a).

(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 production operations during the period that royalty is payable to the Government. The Operator shall provide the Government with all reasonable means of access for such inspections.

ARTICLE 4. Contribution by the Government.--The Government will make its contribution on the basis of the monthly vouchers referred to in Article 5(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 and the Operator's final report has been received, the Government may withhold such sums as are necessary to protect its interests. To the extent that amounts in excess of fixed unit costs or in excess of the estimated total cost may be necessary for the performance of the work, the Operator shall incur and pay such amounts for his own account without contribution by the Government. The Government will not contribute to the cost of any work performed prior to the date of this contract. The Government may make payments for the account of the Operator directly to independent contractors and suppliers rather than to the Operator.

ARTICLE 5. 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 all pertinent books, documents, papers, and records of the Operator.

(b) Monthly reports.--The Operator shall provide the Government with four copies of monthly reports in three sections as follows:

(1) Operator's Monthly Voucher claiming costs for work performed;

(2) Operator's Progress Report showing the number of units of the various types of work performed; 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 three copies of a final report (in addition to the final monthly report). 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 royalty relates, such as two copies of smelter or concentrator settlement sheets and certified accounts of production and sale or other disposition of production.

(e) Compliance with requirements.--If the Government determines that 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 preparation or completion of same 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 6. Repayment by Operator.--(a) Certification.--If the Government considers that mineral or metal production from the land covered by the contract may be possible as a result of the exploration work, it shall so certify in writing to the Operator at any time not later than six months after a sufficient final report and final accounting (see Article 5) have been furnished.

(b) Royalty on production.--The Operator, whether or not the producer (for example, if the Operator either transfers or does not retain his interest in the land), shall pay to the Government a royalty on all minerals and metals mined or produced from the land as follows:

(1) irrespective of any certification of possible production--from the date of the contract until the lapse of the time within which the Government may issue such certification or until the total net amount contributed by the Government is fully repaid with interest, whichever occurs first; or

(2) if the Government issues a certification of possible production--for a period of ten years from the date of the contract or until the total net amount contributed by the Government is fully repaid with interest, whichever occurs first.

(c) Payment of royalty.--(1) The Government's royalty shall be five percent of the gross proceeds (including any bonuses, premiums, allowances, or other benefits) from the production sold, in the form sold (ore, concentrate, 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 (such as treatment processes performed by the buyer, sampling and assaying to determine the value of the production sold, and freight payable by the buyer to a carrier (not the Operator or producer)), shall be allowed as deductions in arriving at the "gross proceeds" as that term is used herein. No costs of the Operator or producer are deductible in arriving at the "gross proceeds" as that term is here used.

The term "treatment processes" means those processes (such as milling, concentrating, smelting, refining, or equivalent, but excluding fabricating or manufacturing) applied to the crude ore or other production after it is extracted from the ground to put it into a commercially marketable form.

(2) 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.

(d) Unsold production.--If any production (ore, concentrate, metal, or equivalent), after the lapse of six months from the date the ore was extracted from the ground, remains neither sold nor used 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, concentrate, metal, or equivalent) it is in when the Government elects to require computation and payment. If any production is used 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 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) Lien for payment.--To secure the payment of royalty (see Article 6(b)), the Operator hereby grants to the Government a lien upon his interest in the land and upon any production of minerals and metals therefrom until the royalty claim is extinguished by lapse of time or is fully paid.

(f) Notice to purchasers.--The Operator or producer 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 Government, and this estimate shall be final and binding upon the Operator or producer.

(g) No obligation to produce.--Nothing in this contract shall be construed as imposing any obligation on the Operator or the Operator's successor in interest to engage in any production operations.

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

ARTICLE 7. Termination of the Government's Obligations.--(a) If the Government determines that operations at any time have failed to achieve anticipated results and further work is not justified, the Government may give the Operator written notice thereof, and thereupon:

(1) the Government shall be free of all obligation to pay on account of units of work not then performed; and

(2) the Operator shall be free of all obligation to prosecute the work other than such as may be necessary and incidental to final accounting and reporting.

(b) If the Government determines that the Operator is 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:

(1) the Government shall be relieved of all obligation to pay on account of units of work not performed when the notice was given, and

(2) the Operator shall be free of all obligation to prosecute the work other than such as may be necessary and incidental to final accounting and reporting.

The Government may also avail itself of any other remedy the law may provide for breach of contract, including the right to rescind the contract and to demand repayment of all moneys contributed by the Government under the contract.

(c) The giving of any notice by the Government under the provisions of this Article 7 shall not affect the Government's rights as provided for in the contract with respect to royalty and liens to secure the payment thereof, and such rights shall be fully preserved.

(d) The determinations of the Government are subject to appeal under Article 11.

ARTICLE 8. Notices to be given by the Government may be delivered to the Operator or may be sent by certified 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 9. 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 10. Nondiscrimination in Employment.--The provisions respecting nondiscrimination in employment which are required by section 301 of Executive Order 10925, dated March 6, 1961, as amended and supplemented, are attached hereto as Exhibit B and are hereby incorporated in and made a part of this contract.

ARTICLE 11. Disputes.--Any dispute arising under this contract which is not disposed of by agreement shall be decided by the Director, U. S. Geological Survey, who shall reduce his decision to writing and mail or otherwise furnish a copy thereof to the Operator. The decision of the Director, U. S. Geological Survey, shall be final and conclusive unless, within 30 days from the date of receipt of such copy, the Operator mails or otherwise furnishes to the Director, U. S. Geological Survey, a written appeal addressed to the Secretary of the Interior. The decision of the Secretary or his duly authorized representative for the determination of such appeals shall be final and conclusive unless determined by a court of competent jurisdiction to have been fraudulent, or capricious or arbitrary, or so grossly erroneous as necessarily to imply bad faith, or not supported by substantial evidence.

The term "Director, U. S. Geological Survey," as used herein includes his duly authorized representative.

ARTICLE 12. Work Hours Act of 1962 - Overtime Compensation.--This contract, to the extent that it is of a character specified in the Work Hours Act of 1962 (Public Law 87-581, 76 Stat. 357-360) and is not covered by the Walsh-Healey Public Contracts Act (41 U.S.C. 35-45), is subject to the following provisions and to all other provisions and exceptions of said Work Hours Act of 1962.

(a) Overtime requirements.--No Operator or subcontractor contracting for any part of the contract work which may require or involve the employment of laborers or mechanics shall require or permit any laborer or mechanic to be employed on such work in excess of eight hours in any calendar day or in excess of forty hours in any workweek unless such laborer or mechanic receives compensation at a rate of not less than one and one-half times his basic rate of pay for all hours worked in excess of eight hours in any such calendar day or in excess of forty hours in any such workweek, as the case may be.

(b) Violations; liability for unpaid wages; liquidated damages.--In the event of any violation of the clause set forth in subparagraph (a) of this paragraph, the Operator and any subcontractor responsible therefor shall be liable to any affected employee for his unpaid wages. In addition, such Operator and subcontractor shall be liable to the United States (in the case of work done under contract for the District of Columbia or a territory, to such District or to such territory), for liquidated damages. Such liquidated damages shall be computed, with respect to each individual laborer or mechanic employed in violation of the clause set forth in subparagraph (a) of this paragraph, in the sum of $10 for each calendar day on which such employee was required or permitted to work in excess of eight hours or in excess of the standard workweek of forty hours without payment of the overtime wages required by the clause set forth in subparagraph (a) of this paragraph.

(c) Withholding for unpaid wages and liquidated damages.--The U. S. Geological Survey may withhold or cause to be withheld, from any moneys payable on account of work performed by the Operator or subcontractor, such sums as may administratively be determined to be necessary to satisfy any liabilities of such Operator or subcontractor for unpaid wages and liquidated damages as provided in the clause set forth in subparagraph (b) of this paragraph.

ARTICLE 13. Copeland (Anti-Kickback) Act--Nonrebate of wages.--The regulations of the Secretary of Labor applicable to contractors and subcontractors (29 CFR, Part 3), made pursuant to the Copeland Act, as amended (40 U. S. C. 276c) and to aid in the enforcement of the Anti-Kickback Act (18 U. S. C. 874) are made a part of this contract by reference. The Operator will comply with these regulations and any amendments or modifications thereof and will be responsible for the submission of affidavits required of independent contractors thereunder. The foregoing shall apply except as the Secretary of Labor may specifically provide for reasonable limitations, variations, tolerances, and exemptions.

ARTICLE 14. Changes and added provisions.--

Executed in quintuplicate the day and year first above written.

THE UNITED STATES OF AMERICA

BUSTY BELLE MINES, INC.
(Operator)

By _____

By _____
Director, U. S. Geological Survey

Title _____

I, _____, certify that I am the
(Name)

_____ secretary of the corporation named as Operator herein; that

_____, who signed this contract on behalf of the Operator, was then
(Name)

_____ of said corporation; that said contract was duly signed for
(Title)

and in behalf of said corporation by authority of its governing body, and is within the scope of its corporate powers.

CORPORATE SEAL

DRAFT RMSMITH/MM
6/7/66

EXPLORATION CONTRACT
BUSTY BELLE MINES, INC.
OMB-6534

ANNEX I

The land, including all rights pertaining thereto, referred to in Article 2 of the contract consists of eight (8) unpatented lode mining claims in secs. 8, 9, 16, and 17, T. 2 N., R. 1 E., Fairbanks Meridian, Fedro Dome area, Fairbanks mining district, Fourth Judicial Division Alaska. It is illustrated on Fig. 1, entitled "Silvertone and Cottonwood Groups of Claims, Fairbanks Recording District, Alaska" attached hereto and made part hereof.

The eight claims are recorded in the Office of the Recorder, Fairbanks Recording District, State Office Building, Fairbanks, Alaska, as follows:

Name of Claim	Volume	Page
Silvertone Lode No. 1	27	378
" " No. 2	27	379
" " No. 3	27	380
" " No. 4	27	381
Cottonwood Lode No. 1	29	352
" " No. 2	29	353
" " No. 3	29	354
" " No. 4	29	355

The Operator is in possession of the eight claims listed above under the terms of a Quitclaim Deed executed March 21, 1966, and also under the

terms of an Assignment of Contract executed January 14, 1966. Both of the foregoing instruments were executed by Warren A. Taylor, John C. Rasor, and JoAnn C. Burk who are the buyers of the eight claims under the terms of a Contract to Sell Mining Claims and Mining Equipment executed November 29, 1965, by the owner of the claims Tury F. Anderson. Copies of the quitclaim deed, the assignment of contract, and the contract to sell mining claims and equipment are contained in the docket of this contract and are made part hereof by reference.

A Lien and Subordination Agreements executed February 24, 1966, by Tury F. Anderson covering the eight claims is attached hereto ~~XX~~ and made part hereof.

EXPLORATION CONTRACT
BUSTY BELLE MINES, INC.
OMX-6534

EXHIBIT A

The purpose of this ~~contract~~ project is to explore by a crosscut adit and by drifting for silver and gold-bearing ore bodies in and along three or more quartz veins in granitic rock or in Birch Creek schist near its contact with the granitic rock.

General Provisions

All drifts and crosscuts shall be not less than 5 by 7 feet in the clear of timber and shall be timbered as necessary, using standard drift sets of not less than 6- by 6-inch timber or equivalent round timber.

Air lines shall be of not less than 2-inch size and water lines of not less than 1-inch size.

All significantly mineralized areas traversed by the crosscut or drifts shall be sampled normal to their trends at intervals along the trend of not more than 10 feet.

Each sample, before being assayed, shall be split and one split assayed for gold and silver. The Operator shall store one split of each sample in a suitable container properly identified as to location for Government inspection and possible use. With prior Government approval, confirmed in writing, the Operator may dispose of the stored samples.

True copies of assay certificates shall be submitted with the Operator's monthly reports which shall also include maps or sketches of the work completed during each reporting period, the locations of all samples taken, and the general formations and structures traversed by the work performed.

The Operator shall provide such supervisory and technical services as may be required to complete the work in a satisfactory manner.

The location, direction, and extent of each work item shall be subject to prior Government approval.

Description of the Work

The initial work shall consist of constructing a road from the existing road approximately 1/4 mile to the portal site of the proposed adit, and of leveling a portal site near the south side center of the Silvertone No. 4 claim.

From the portal site a crosscut adit shall be driven in a westerly direction approximately 300 feet to cut downward continuations of veins exposed in surface workings near the Flume shaft. On the best showings or indications of ore in the crosscut, drifts shall be driven along the veins approximately 200 feet. Total crosscutting and drifting shall not exceed 500 feet.

The tentative locations of the crosscut and drifts are indicated in red on Fig. 2, entitled "Proposed Exploration, Silvertone Lode Claims, Rusty Belle Mines, Inc., Fairbanks, Alaska," attached hereto and made part hereof.

Estimated Costs of the Project

Fixed Unit Costs

Mobilization of mining equipment	$1,550.00 1/
Demobilization of mining equipment	750.00 1/
Road construction (1/4 mile) and Portal site preparation	830.00 1/
Crosscutting and drifting 500 feet @ $51.00/foot	25,500.00 2/
Timbering 500 feet @ $8.30/foot	4,150.00 2/
Outside consultant 10 days @ $75.00/day	750.00
Per diem for consultant 10 days @ $16.00/day	160.00
Accounting 4 months @ $50.00/month	200.00
60 assays for gold and silver @ $3.00/assay	180.00
60 assays for lead @ $2.00/assay	120.00
100 sample sacks @ $0.10/sack	10.00
Estimated Total Cost of Project	$34,200.00
Government Participation @ 62½%	$21,375.00

1/ The unit of work is the completed job.

2/ The Government retains no equity in any of the equipment or materials used.

IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

OFFICIAL COPY
O. M. E.
RECEIVED
MAY 24 1966

INITIALS	CODE
FEJ	~~110~~
gfa	130
	120 M
RMA	

Memorandum

May 23, 1966

To: Chief, Office of Minerals Exploration
Washington, D. C.

From: Field Officer, Region II

Subject: OME-6534 (Silver, Gold)
Busty Belle Mines, Inc.
Silvertone and Cottonwood Groups of Claims
Fairbanks Precinct, Alaska

Enclosed is a report on the subject application by R. M. Chapman, USGS, Alaskan Branch. Mr. Chapman feels that a project, essentially along the lines proposed by the applicant, is justified and would also yield worthwhile information concerning the geology and economic potential of the district. I concur with Mr. Chapman. If the estimated costs for accounting and contingencies are eliminated the cost per foot would be about $55. This cost per foot would be considered excessive in California or Nevada, but the excess is in the cost of labor that averages more than twice the local rate.

H. K. Stager

IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Alaskan Geology Branch
Box 580
College, Alaska 99735

May 18, 1966

Mr. H. K. Stager, Field Officer
OME, Region II
U. S. Geological Survey
345 Middlefield Road
Menlo Park, California

Dear Hal:

Enclosed are 2 copies of a general evaluation of the Busty Belle Mines, Inc., property and OME-6534 application. As I have mentioned in the report, not much bedrock could be examined, but I doubt that much more meaningful information could be gathered from the surface trench exposures. With the amount of surface work that has been done over the years, it appears to me that what is needed now is subsurface information.

If you want additional data on any parts of the proposal, let me know, and I will try to supply it. The operators are most anxious to begin work, and with a short summer season timing is important

I am leaving this afternoon for a visit to the Silver Creek prospect, OME-6546, and will get in a report on it as soon as possible.

Sincerely,

Bob

Robert M. Chapman
Geologist-in-charge
College office

RECEIVED
MAY 20 1966
OFFICE OF MINERALS EXPLORATION
U.S. GEOLOGICAL SURVEY
MENLO PARK, CALIF.

Setting and background information.

The Silvertone claims of the Busty Belle Mines, Inc., are near the top of a ridge extending west from Pedro Dome and lie at an altitude of 1,600-1,800 feet. There is an adequate access road between the Elliott Highway and the property. I am uncertain about the adequacy of an all-summer water supply, without resorting to hauling or pumping, if water is not encountered underground.

The claims and prospect to be explored are within an easterly-trending mineralized zone or "belt". This belt is generally coincident with, and probably controlled by, the Cleary anticline, a major structural feature which has been described by Hill (1933) and mapped by Forbes and Brown (1961). The major mineral production in this belt has been from numerous gold-quartz veins. The lead-silver and/or antimony sulfide deposits have been casually prospected, and produced to a very minor extent, for 50-60 years. Minor amounts of tungsten, zinc, copper, and a few other metals are associated in some deposits. In addition to the lead-silver prospects at the heads of Fox and Flume Creeks, there are other similar prospects in Skoogy Gulch, and several on the ridge extending eastward from Pedro Dome.

Apparently none of the lead-silver deposits have been explored to depths of more than 20-30 feet. Only a few of the gold-quartz veins in this belt have been mined or explored to depths of more than 100-150 feet below the surface.

Small scale prospecting of the Pb-Ag and Pb-Sb showings in this belt was done in the early 1900's (Smith, 1913, p. 198). Since about 1950 work has been done intermittently by several people, and several shipments of Pb-Ag-Sb sulfide ore have been made between 1951 and 1965 by Fred Wackwitz and Tury Anderson. The production has been from small, shallow open pit operations on various properties on the ridges east and west of Pedro Dome. The ore was mostly unmilled and hand sorted. Reportedly, 10 tons of concentrate from the deposit at the head of Fox Creek were shipped in 1962 (Brown, 1962, p. 121).

A prospect, now included in the Cottonwood claims, was examined in 1951-52 by John J. Matzko and Helmuth Wedow (Matzko and Wedow, 1956). They reported that the argentiferous galena, occurring in quartz-carbonate veins with granitic rock, contained up to 0.025 percent eU. Matzko did geochemical soil sampling here in 1952 and definite Pb-Zn anomalies were indicated. Chapman and Shacklette rechecked these sites and did additional soil sampling in 1957, which showed other anomalous sites. Bulldozer stripping in 1956-57 had exposed iron-stained, mineralized zones that lay beneath the anomalous soil samples recorded by Matzko.

Bruce I. Thomas of the U. S. Bureau of Mines conducted a bulldozer trenching program in 1963 in the area west of the shaft and adit on the Silvertone #3 and 4 claims. No report has been written, but the analyses of Bureau of Mines samples, which are included in the application, were supplied by Thomas, and I have verified that they are correct.

FIELD EXAM. REPT.

Workings on the Silvertone claims.

The snow cover was heavy at the time of my visits in April, and the only visible bedrock was that in the adit, which is 39 feet long, and in the shaft which is about 22 feet deep. Both workings were dry and free of ice. The timbering and workmanship in both are excellent. Lagging is necessary in parts of the adit, and the top 6 feet of the shaft is cribbed. This prevents a complete examination of the walls and back, but sufficient rock is exposed so that the pertinent features can be seen.

The timber in the adit consists of 6x6 inch posts, 6x8 plus 2x6 caps, 4x4 stringers, and 2x8 lagging. The shaft is similarly constructed, but no lagging is required below 6 feet.

The adit followed a weathered vein in the diorite or quartz diorite country rock, and the vein seems to be cut off by a fault about 5 feet east of the present face. The direction and amount of displacement along this fault was not apparent from the available exposures. There are no visible sulfides in the 6-12 inch thick extensions of the vein or fractured zone that remain in the south wall near the sill and in the back. The mined-out vein obviously was richer in order to yield the 9.051-ton lot that was shipped. Sample 66 ACh-2, a grab sample from the 6-12 inch thick yellow to cream colored, and in part iron stained, fractured and altered vein in the south wall 24 feet in from the portal, gives an indication of the metal content of an apparently unmineralized zone.

The face of the adit exposes mostly diorite with a blocky and sheeted fracture pattern. A zone of intensely fractured diorite with abundant thin quartz veins that are essentially vertical and strike about N. 80° W. is present in the upper left quarter of the face, and this zone extends into the south wall and the back. No metallization is apparent, and the grab sample, 66 ACh-3, bears this out.

The vertical shaft was sunk on a fractured and altered zone, 6-12 inches in thickness, that was originally discovered in an open cut. This zone is exposed in the northwest wall between depths of 6 and 12 feet. At the 12-foot level the fractured zone terminates in a similar band that is nearly flat but rolls abruptly to a 45° S. dip. Below this flat and south-dipping fracture zone, the bedrock is entirely diorite with blocky and sheeted jointing. There are no visible sulfides or quartz veins in the shaft walls, and it is my understanding that no ore was taken from this shaft.

Samples and assays.

The sample descriptions and assay data furnished by the applicant are meager and cannot be evaluated exactly. The relationship between the Bureau of Mines sample sites and those of Tury Anderson is not entirely clear to me. I feel sure that the Bureau of Mines samples were

taken carefully and correctly, but the applicant's samples may not be as truly representative. It is important to note, however, that Bruce Thomas was able to sample only the well-weathered surface material, whereas most of the applicant's samples were taken at least several feet deeper.

It is apparent from previous observations of dump material and ore mined from other deposits in this belt that a better grade of ore than that shown by some of the assays can be obtained within 10-20 feet of the surface. The smelter returns for the 9.051 tons probably present a fair expectable tenor for the near-surface ore from veins in this area. Anderson has also reported (Brown, 1962, p. 122) a volume assay on 50 tons of ore, taken from cuts at the head of Fox Creek, that shows: --

331 lbs. of Pb per ton 16.5 2 %
32.2 oz. of Ag per ton
0.52 oz. of Au per ton

The weathered zone generally extends to a depth of at least 300 feet below the surface of ridge tops in the Fairbanks district. In the near-surface zone (5-50± feet) there is both leaching and residual enrichment, depending upon the metal and mineral involved. Mr. Donald Stein, State Dept. of Mines assayer, has told me that in his experience the fresh or relatively unweathered Pb-Ag samples from this district commonly have a ratio of 3 oz. Ag to 1 percent Pb, but that similar samples of well-weathered, near-surface material usually have approximately a 2:1 Ag-Pb ratio. This is attributed to leaching of the silver. Surface leaching of scheelite in the deposits at nearby Gilmore Dome has been described by Byers (1957, p. 192-193).

Grab samples 66 ACh-2, and -3 from the adit, which have been mentioned previously, should not be considered as representative of the ore. They are included only for information to show the metal content of the zones that are marginal to the veins.

Costs, supplies, and equipment.

As nearly as I can determine, the various cost estimates are realistic. The operators are all long-time local residents and familiar with prices, dealers, and related logistic matters. I do not feel qualified to comment extensively on some of the supply and equipment items. Prices can vary greatly on such items depending upon local availability and conditions that might enable one to make an advantageous deal.

?

The total figure of $64.51 per foot of drift should be adequate. Bruce Thomas gave me a cost of $59.79 per foot that he had figured for a rather similar operation. The best grade of 60 percent dynamite sells locally for about $37.25 per 100 lb. in lots of >50 and <500 lbs., and $35.25 per 100 lb. in lots >500 lbs. Mine timber prices vary considerably, but will average about $170.00 per thousand. I understand that the operators have tentative arrangements with a small sawmill operator who deals at lower than average prices in rough green lumber. Fuel

oil for non-vehicle use should be about 29-31¢ per gallon.

The wage rates listed are, if anything, slightly low by local standards. I would think that 3 men would be required for efficient operation. Tury Anderson and John Rasor will, I believe, be working as supervisor and miner respectively. Tentatively and unofficially I have heard that they would also hire a locally-available miner who has had experience in the Coeur d'Alene district. Otherwise competent miners are not readily available in this area. The cost item for accounting seems justified and reasonable for their needs. I presume they would pay one of the local bookkeeping services to do their work, as I do not believe the men involved have the training or time to keep a proper set of books.

Summary and recommendations.

The extent and tenor of the Pb-Ag deposits, particularly to a reasonable mining depth, and the structural control in the Fox-Pedro Dome belt are still unknown, although a considerable amount of desultory prospecting and small-scale mining has been done over the past 55+ years. There is no record of any exploration deeper than about 25 feet, and most of the workings are only in the surface zone of intense weathering. Present geologic knowledge is inadequate to make a reliable evaluation of the potential of these easily-accessible deposits which have been attracting prospectors' attention particularly in recent years.

Surface showings of galena are encouraging, but are not obviously indicative of large or rich vein deposits. Previous observations have shown that there are spottily-distributed rich pockets of ore. Generally, the Pb-Ag-Sb is deposited in thin, irregular, fissure veins along faults, joints, and fractures. There is also a probability of sulfide deposits as replacements in limy beds in the Birch Creek schist, which surrounds the Pedro Dome quartz diorite body, and in which some of the vein deposits also occur.

Hopefully, the proposed adit and crosscut will intersect several sulfide-bearing veins at a depth of about 100 feet. Information on the nature of the veins at this depth would be valuable geologically and provide insight to the economic potential of the Pb-Ag deposits throughout this belt. !?

It is unlikely that the proposed adit, as plotted on the applicant's map, will encounter known veins or mineralized zones, particularly in the first 180 feet. However, some of the veins shown in the western bulldozer trench (#13?) may extend farther east than presently indicated; fault-offset segments of other veins might be encountered also. The suggestion, in Mr. Johnson's letter, to extend the shaft should be carefully considered; however, the applicant may be correct about the expense of sinking, and certainly excessive water has been a problem in a number of mines in this district. An adit would probably yield more geological information, but, as mentioned, the chances of intercepting known or new

veins when driving nearly along strike are not great.

If an adit is decided upon, probably, considering the contour of the surface and cost factors, the shortest course to the target area should be taken (essentially what the applicant has plotted). Projected down-dip positions of the veins in the existing adit and backfilled open cut are necessarily vague, and an attempt by the operators to locate and follow these veins is apt to lead to undesirable "wandering" and dissipation of funds and time. If it seems desirable in the course of the work, or later on, to explore at depth the vein that has been mined in the adit, a crosscut could be driven south from the new adit.

It seems to me that there is a reasonable possibility of discovering a small economic lead-silver deposit on the Silvertone claims, as the surface prospects and geologic setting are favorable. These deposits are typical of others in this belt and knowledge gained here could be reasonably applied to the other deposits. Thus, if persistence of these veins to a depth of 100 feet can be established, it would give promise of a considerable tonnage potential for the Fox-Pedro Dome belt. The complex geological relationships and high exploration costs are major deterrents to lode prospecting in this district; however, an encouraging discovery would do much to stimulate other work and risk capital.

If the application is approved, I suggest that the applicants be strongly urged to have a competent geologist or mining engineer assist with their reports and mapping. I rather doubt that the men presently in their organization can handle this to our satisfaction.

References.

Brown, J. M., 1962, Bedrock geology and ore deposits of the Pedro Dome area, Fairbanks mining district, Alaska: Unpublished Master's thesis, University of Alaska, 137 p.

Byers, F. M., Jr., 1957, Tungsten deposits in the Fairbanks district, Alaska: U. S. Geol. Survey Bull. 1024-I, p. 179-213.

Forbes, R. B., and Brown, J. M., 1961, A preliminary map of the bedrock geology of the Fairbanks mining district, Alaska: State of Alaska Div. of Mines and Minerals, Mineral Investigation Rept. No. 194-1.

Hill, J. M., 1933, Lode deposits of the Fairbanks district, Alaska: U. S. Geol. Survey Bull. 849-B, p. 29-163.

Matzko, J. J., and Wedow, H., 1956, Geochemical exploration at a uraniferous galena prospect near Fox, Fairbanks district east-central Alaska, 1952: U. S. Geol. Survey T.E.I. Report, unpublished, 21 p.

Smith, P. S., 1913, Lode mining near Fairbanks: in U. S. Geol. Survey Bull. 525, p. 153-216.

LABORATORY REPORT

NOTE: [illegible]

OPTIONAL FORM NO. 10
MAY 1962 EDITION
GSA GEN. REG. NO. 27

5010-106

UNITED STATES GOVERNMENT

Memorandum

TO : H. K. Stager, OME Region II, Menlo Park, California

DATE: May 12, 1966

FROM : Robert M. Chapman, Alaskan Geology Branch, College, Alaska

SUBJECT: Silver Creek prospect, OME-6546(Silver)

I have arranged with Kirk Stanley to visit his Silver Creek prospect on May 19th. I shall leave here on the 18th and return on the 20th. From what he has told me there is nothing to be examined beyond the immediate area of the creek-bluff exposure that he proposes to explore, and one day in the field should be adequate. I think that that area is already free of snow, but certainly it will be by the 19th.

6534

I expect to have a squib on the Busty Belle Mines roperty in the mail to you within a couple of days. Bruce Thomas is back in town now, and I have had an opportunity to talk with him and obtain some additional information.

Bob

RECEIVED
MAY 16 1966
OFFICE OF MINERALS EXPLORATION
U.S. GEOLOGICAL SURVEY
MENLO PARK, CALIF.

IN REPLY REFER TO:

G-ALAS-RMC

UNITED STATES
DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY
ALASKAN GEOLOGY BRANCH
BOX 580
COLLEGE, ALASKA 99735

March 29, 1966

Mr. H. K. Stager
Field Officer O.M.E., Region II
U. S. Geological Survey
345 Middlefield Road
Menlo Park, California

Dear Hal:

I have received the recent letters regarding formal transfer of the Alaskan O.M.E. functions from Spokane to Menlo Park, and also the new application from the Busty Belle Mines, Inc. I will be glad to make the examination as soon as feasible. We have a very heavy snow cover this year, and things have just begun to melt a little in the past few days. Mrs. Jo Ann Burk has called and mentioned that they plan to clear the snow in the mining cuts, so this should facilitate the field examination. I would guess that it will be 2-3 weeks though before it will be possible to make an examination. Mr. Rasor is in town, but Warren Taylor, a local lawyer, is in the State legislature which is still in session in Juneau.

I do not know whether you or Don MacLaren have the Keystone Mines material. I had a brief chat yesterday with Arnold Nordale of Keystone Mines, and informed him that there had been a change in the Alaskan O.M.E. setup. He will contact Don in regard to the unfinished business on his contract, but, if you are now responsible for this contract, you will probably hear from him within a few weeks.

Just to keep the record straight, Don inadvertently gave my name as Robert C. Chapman in a letter to you. It should be Robert M.

Sincerely,

Bob

Robert M. Chapman
Geologist-in-charge
College office

RECEIVED
MAR 31 1966
OFFICE OF MINERALS EXPLORATION
U.S. GEOLOGICAL SURVEY
MENLO PARK, CALIF.

OME-6534 (Silverado)
Busty Belle Mines, Inc.

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION

Memorandum

March 25, 1966

To: Robert C. Chapman
College, Alaska

From: Field Officer
OME, Region II

Subject: OME-6534 (Silver-Gold)
Busty Belle Mines, Inc.
Silvertone and Cottonwood Claims
Fairbanks Precinct, Alaska

HK

Enclosed is the docket for OME-6534. Will you please contact the Operators, in Fairbanks, and make arrangements for a field examination when the property is accessible. I have talked to George Gryc about this application and he is agreeable to having you make the field examination and writing a report for OME.

Also enclosed is a form that you may find useful in making cost estimates, if you decide to recommend a project. The entire docket should be returned to this office, with your report, when you have finished. If you have any questions, write to me and I'll give you all the help I can. Please keep me informed as to your progress.

H. K. Stager

Enclosures

cc: Chief, OME, WDC
D RF
ACG RF
MP RF
OME-6534
HKStager:mlb

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION

U. S. Geological Survey
345 Middlefield Road
Menlo Park, California 94025

March 25, 1966

Busty Belle Mines, Inc.
212 Nerland Building
543 Third Avenue
Fairbanks, Alaska 99701

Re: OME-6534 (Silver, Gold)
Busty Belle Mines, Inc.
Silvertone and Cottonwood Groups of Claims
Fairbanks Precinct, Alaska

Dear Sirs:

In reply to your letter of March 14, 1966, concerning a Field Examination of your property, we are referring your application to Mr. Robert C. Chapman, Geologist, U. S. Geological Survey, P.O. Box 580, College, Alaska 99735. Mr. Chapman will contact you as to when an examination can be made.

Sincerely yours,

H. K. Stager
Field Officer
OME, Region II

cc: Chief, OME, WDC ✓
D RF
ACG RF
MP RF
OME 6534
HKStager:mlb

BUSTY BELLE MINES, INC.
212 Nerland Building
543 Third Avenue
Fairbanks, Alaska 99701

Warren A. Taylor, Pres.
John C. Rasor, V. Pres.-Treas.
JoAnn C. Burk, Sec'y.

RECEIVED
MAR 17 1966
OFFICE OF MINERALS EXPLORATION
U.S. GEOLOGICAL SURVEY
MENLO PARK, CALIF.

March 14, 1966

Mr. Harold K. Stager
Field Officer, Region II,
Office of Mineral Exploration
U.S. Geological Survey,
Building 2, 345 Middlefield Road
Menlo Park, California, 94025

Re : OME 6534 (Silver-Gold)
Busty Belle Mines, Inc.
Silvertone & Cottonwood Claims
Fairbanks, Alaska

Dear Mr. Stager:

Mr. Frank E. Johnson, Chief, Office of Mineral Exploration, Washington DC, has informed us that the Busty Belle Mines Inc, application for OME assistance has been referred to you. Will you please advise us, at your earliest convenience, when you contemplate making a field examination? The reason for this inquiry is that at this time of year Fairbanks is still under a considerable blanket of snow and consequently the claims also. We would like to have access to the property opened prior to the arrival of your field engineer. Your consideration of this request would indeed be most appreciated.

Very truly yours,
BUSTY BELLE MINES, INC.

(Mrs.) JoAnn C. Burk
By: JoAnn C. Burk, Secretary

jcb

Ome

OFFICIAL COPY O. M. R. RECEIVED MAR 22 1966

GEOLOGICAL SURVEY
No. 157 Howard Street
Spokane, Washington 99204
March 21, 1966

Air Mail

Memorandum

To: Field Officer, Region II

From: Field Officer, Region I

Subject: Transmittal of Docket OME-6534 (Silver-Gold)
Busty Belle Mines, Inc.
Silvertone & Cottonwood Claims
Fairbanks Precinct, Alaska
and
Transmittal of New Application (Silver)
Kirk W. Stanley
Silver Creek Deposit
Slana District, Alaska

In accordance with Frank E. Johnson's memorandum of March 9, 1966, we are happily forwarding our complete file on Docket No. OME-6534 and the second copy of another Alaska application which we have just received. In order to save time, we have forwarded the original of the latter to Washington. You can send Frank a memorandum if you find any points on which you might want to comment.

As applications from Alaska will probably continue to be sent here for some time, let me know if you would prefer to have us send you both copies so you can prepare any comments to accompany the original to D.C.

In the past, when Alaska applications have been referred to the field, I have sent them to the Bureau of Mines requesting an examination and report covering accessibility of the property, geology, conclusions, recommendations, a cost estimate breakdown, if a project were recommended, and any appropriate sketches. With the Bureau no longer in the picture, I have called on:

Robert C. Chapman
Geologist in Charge
Alaskan Geology Branch
College Office
U. S. Geological Survey
P. O. Box 580
Brooks Memorial Building
College, Alaska 99735

This is the first field referral of an application since the Bureau left the scene, but I would send it to Bob with the same request. As a possible aid to him in making his cost estimate, I would also send him a copy of the enclosed outlines for estimating drifting and timbering costs hoping they would be more helpful than confusing. I would emphasize the importance of the unit costs for materials and supplies as they are considerably higher than those in this part of the country and, of course, are vital to a reasonable estimate. If he only gave those, you could, if need be, work up the costs relieving him somewhat of that chore.

When the reports come back, I would attempt to write up a forwarding memo to D.C. either concurring with the conclusions, recommendations, costs, etc., or attempting to point out or justify any part of these items to which I might take exception.

D. R. MacLaren

Enclosures

DRMacLaren/mls

cc: Robert M. Chapman
w/cys of memoranda from OME 3/9/66
OME

Director's Reading File

MME Form 7
(2/63)

OFFICIAL FILE COPY

Date	Surname	Code
3/9	R M Smith	120
		~~120~~
		110
		220
		120M

MAR 9 1966

Memorandum

To: Field Officer, Region II

From: Chief, Office of Minerals Exploration

Subject: OME-6534 (Silver-Gold)
Dusty Belle Mines, Inc.
Silvertone and Cottonwood Groups of Claims
Fairbanks Precinct, Alaska

The subject application, including supplemental information and maps, is referred to Region II for a field examination and recommendations.

This application is the first from Alaska to be referred to Region II under a new administrative procedure. Beginning with OME-6534, all applications from Alaska and all contracts resulting from them will be administered through Region II. Until further notice, all previous applications ending with OME-6492, any contracts resulting from them, and all existing contracts will continue to be administered through Region I.

Our review of the subject application and of the supplemental information submitted by the Applicant February 23, 1966, indicates that a contract may be warranted depending on the probability of a significant discovery.

All of the information requested in our letter of February 11 to the Applicant has been received except the quitclaim deed which is promised.

In the event that you recommend a contract, a revised estimate of costs will be required. We would allow 50 percent of the estimated costs of pipe, etc., and the usual depreciation on equipment. We would not allow a contingency cost and we question the estimate for accounting services. Also, we question the need for both a full-time working supervisor and two miners.

(Signed) FRANK E. JOHNSON

Frank E. Johnson

Enclosures

cc to: Director's Reading File
Division File
Economic Geol. File
OME File
OME Region I
OME Reading File
Mr. Selfridge
Mr. Smith

RMSmith/gla 3-9-66

23263

MME Form 7
(2/63)

OFFICIAL FILE COPY

Date	Surname	Code
3/9	R M Smith	120
		~~120~~
		110
		220
		120M

MAR 9 1966

Memorandum

To: Field Officer, Region I

From: Chief, Office of Minerals Exploration

Subject: OME-6334 (Silver-Gold)
Rusty Belle Mines, Inc.
Silvertone and Cottonwood Groups of Claims
Fairbanks Precinct, Alaska

Enclosed is a copy of a memorandum to Region II which is self-explanatory. Will you please mail all docket material for the subject application to:

Mr. H. K. Stager
Field Officer, Region II
Office of Minerals Exploration
U. S. Geological Survey, Building 2
345 Middlefield Road
Menlo Park, California 94025

Your advice to Mr. Stager on your current procedures for field examinations in Alaska will help greatly to speed the processing of this application.

(Signed) FRANK E. JOHNSON

Frank E. Johnson

Enclosure

cc to: Director's Reading File
Division File
Economic Geology File
OME File
OME Region II
OME Reading File
Mr. Selfridge
Mr. Smith

RMSmith/gla 3-9-66

23263

MME Form 7
(2/63)

OFFICIAL FILE COPY

Date	Surname	Code
3/9	RMSmith	120
		110
		220
		120N

MAR 9 1966

AIRMAIL

Busty Belle Mines, Inc.
212 Nerland Building
Fairbanks, Alaska 99701

Re: OME-6534 (Silver-Gold)
Busty Belle Mines, Inc.
Silvertone and Cottonwood Groups of Claims
Fairbanks Precinct, Alaska

Gentlemen:

Thank you for your letter of February 25, 1966, enclosing four maps, a copy of the Contract to Sell Mining Claims, assay certificates, equipment brochures, and Lien and Subordination Agreements. We note that a copy of the quitclaim deed is to be forwarded when you receive it.

The application is now being referred to Mr. Harold K. Stager, Field Officer, Region II, Office of Minerals Exploration, U. S. Geological Survey, Building 2, 345 Middlefield Road, Menlo Park, California 94025.

The Regional Office will notify you in case additional information concerning the application is needed.

Sincerely yours,

(signed) FRANK E. JOHNSON

Frank E. Johnson
Chief, Office of
Minerals Exploration

cc to: Director's Reading File
Division File
Economic Geology File
OME File
OME Region II
OME Reading File
Mr. Smith

RMSmith/gla 3-9-66

23263

OFFICIAL FILE COPY

Date	Surname	Code
2/11	R. Hill Smith	120
	Jeffrey	130
		110
2/11	Coe	220
		120 m

FEB 11 1966

Busty Belle Mines, Inc.
212 Nerland Building
Fairbanks, Alaska 99701

Re: CMK-6534 (Silver-Gold)
Busty Belle Mines, Inc.
Silvertone and Cottonwood Groups of Claims
Fairbanks Precinct, Alaska

Gentlemen:

To continue the processing of your application for financial assistance in exploring the referenced claims, this office needs the following additional information item for item as requested in the application form.

2. Applicant's Rights in Land:

Please submit a true copy of the Contract to Sell Mining Claims signed by all the Buyers, including Mr. W. A. Taylor.

In the application you state, ". . . no Lien and Subordination Agreements to be had." Since the Seller has agreed to execute this document (Contract to Sell Mining Claims, p. 3) perhaps you mean that no forms were available. Two sets are enclosed for your possible use, one for the Seller and the other for the three Buyers. In lieu of a Lien and Subordination Agreements signed by the Buyers, a true copy of the quitclaim deed mentioned in the Assignment of Contract may be submitted.

3. (d) Physical Description:

Although the maps in the application indicate the locations of numerous samples, their lengths and assay values are not shown. The following samples are especially pertinent to the proposed project: - 97, 98, 99, 100, 101, 103 a-b-c-d, 105, Anderson 38, 39, Fitzman F, F 2, F 5. Sample 105 is a grab sample; please specify the types of the others as well as their lengths and assays.

see reply 2/25/66 left. Land side

5. (a) Exploration Work:

As presented in the application, the proposed 300-foot "drift" is not located to the best advantage since it is in fact a crosscut

23263

nearly parallel with the veins. We wonder if it should be driven a little south of west to cut and explore along the vein exposed in the existing adit. From the maps it is not clear which of the surface showings represents the best exploration target; but if the vein explored by the existing Flume shaft is the main target, the least costly exploration would appear to be to sink the shaft an additional 65 feet instead of drifting 300 feet. You may wish to obtain the help of a mining geologist or engineer in outlining the proposed work, but in any case please clarify these questions.

No claim map was submitted with the application. If an OME contract is executed, such a map showing the relation of the proposed work to the land boundaries would be required.

7. (b) Personnel services:

The services of a mining engineer are included in your cost estimate. Are these services available?

7. (d) Operating equipment:

Depreciation is allowed on equipment owned by the operator to the extent of 1/60th of its fair market value or its book value, whichever is less, for each month used. The make, model, and size of the mucking machine, drill, and compressor should be specified. In lieu of retaining an interest in the salvage value of pipe and rail, the Government may allow 50% of their estimated costs as a project cost. Incidentally, an estimated cost of rail is not included in the application. Please explain.

This request for additional information should not be construed as a commitment by the Government to grant an exploration contract. We shall hold the further processing of your application in abeyance until the requested data are received.

Sincerely yours,

(signed) FRANK E. JOHNSON

Frank E. Johnson
Chief, Office of
Minerals Exploration

Enclosures

cc: Director's Reading File
Division File
Economic Geology File
OME Docket
OME Reading File
Region I
Mr. Smith

EMSmith/mm (2/9/66)

January 24, 1966

Busty Belle Mines, Inc.
212 Nerland Building
Fairbanks, Alaska 99701

Subject: OME-6534

Gentlemen:

Your application for exploration assistance, dated January 17, 1966, submitted to our office at Spokane, Washington, has been assigned Docket No. OME-6534.

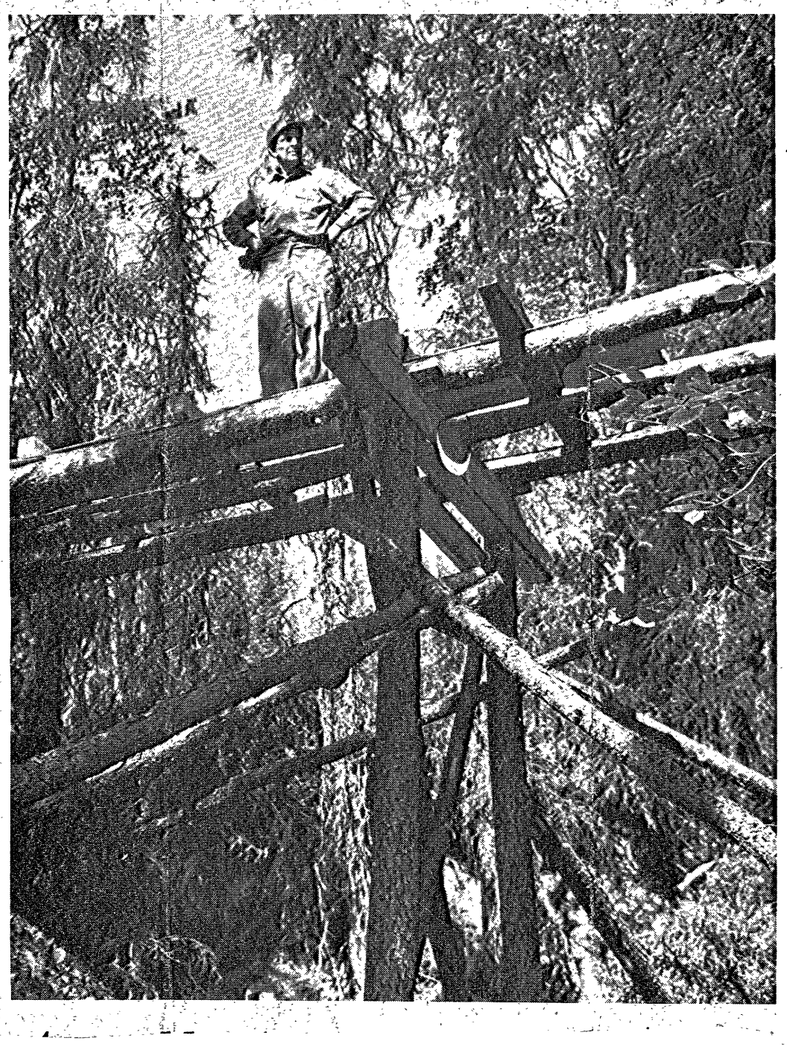
Please identify all future correspondence relating to your application by this docket number.

Sincerely yours,

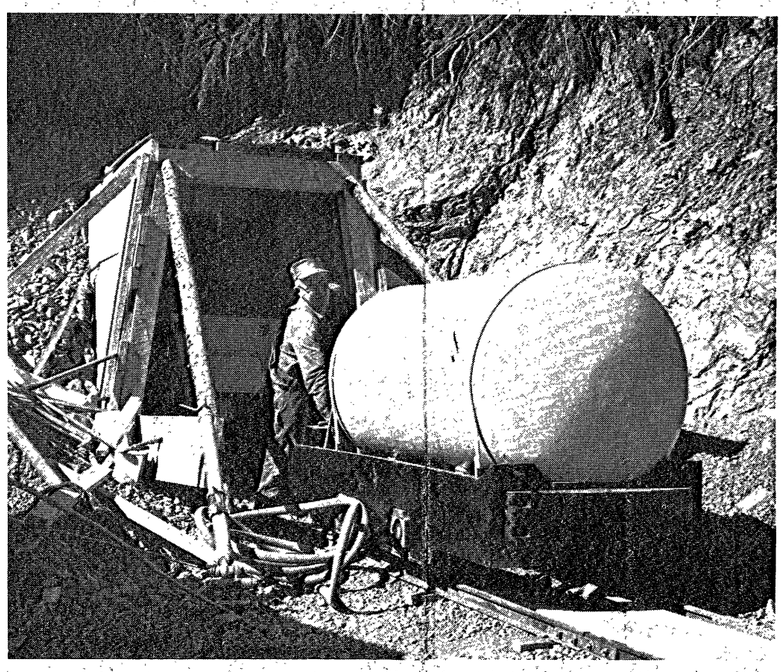
Frank E. Johnson
Chief, Office of
Minerals Exploration

Copy to Region I

Tury Anderson inspects tailings



Rohrbaugh runs air locomotive



Anderson, Rohrbaugh drill

Encouraging Signs Seen At Busty Belle Mine Here

(EDITOR'S NOTE: Yesterday's News-Miner carried a story on federal funds being made available to aid exploration at the Busty Belle Mine at Fox Gulch. Photographer Larry Crackel visited the mine earlier this week and took the accompanying photos. He talked at length with operator Tury Anderson. Here's his first-hand account of doings at the Belle.)

By LARRY CRACKEL
News-Miner Photographer

The Busty Belle Mine Inc., a 20-minute drive from Fairbanks in the shadow of Pedro Dome, may soon bring a new word to the Golden Heart of Alaska.

The word is silver.

An exploratory 500-foot tunnel to undercut the vein of ore identified as galena should be completed in four months.

Surface and shallow hole samples show one to two ounces of gold per ton, according to the owners. Good enough perhaps for dredging, but the ore is in hard rock, on the mountain side.

More important is a showing of from 100 to 161 ounces of silver per ton.

Tury Anderson, who discovered the vein, and Vic Rohrbaugh are currently pursuing the task of tunneling under and exploring for width and breadth of the deposit.

Anderson believes he "could hit even richer ore" when they tap the main vein.

Assays have also shown up to 700 pounds of lead per ton from the shallow diggings samples.

At 16 cents per pound, the lead alone could bring over $100 per ton, in addition to the silver and gold.

Stockholders in the Busty Belle are Warren Taylor, president; Jo Ann Burk, secretary; and Tury Anderson, Mel Anderson and Vic Rohrbaugh, stockholders.

Tury Anderson, who has been prospecting for 26 years, all in Alaska, is 62 years old. Until now all his prospecting and mining has been placer claims.

He mined on Pedro Creek and the Little Eldorado in the Fairbanks district and in the Circle district on the Porcupine, Crooked Creek and Miller Creek.

There is a light in his eye when he speaks of the Busty Belle, whether from hope or from something he knows. "Just once, I would like to develop a good producing mine," he says.

Tentative plans, Anderson says, are to ship the first ore produced to smelters in the smaller states.

When production comes up to indications from early exploration, the Busty Belle will install crushing equipment (a 50-ton mill) to concentrate the ore for shipment. One ton of concentrate would then equal 7 tons of ore.

Anderson says he has worked the claim for two years, mapping out the veins of galena and preparing for further production.

The tunnel proceeds into the rock, a few feet each day. In the meantime we wait for news, good or bad.

FAIRBANKS Daily News-Miner
Fairbanks Daily News-Miner, Friday, August 26, 1966

THE WEEKENDER

RECEIVED

ABOUT THE COVER

Vic Rohrbaugh and Tury Anderson check samples of "color" from open surface vein of Galena ore. Surface of vein is over 20 feet in width. The mining claim is the Busty Bell, Inc. —(N-M Photo by Crackel)

IN PEAK CONDITION

An Anchorage mountaineer claims to have climbed the highest peak in each of the 50 states . . . and some in South America. See his story on Page 2 of today's Weekender.

TRIP OF THE WEEK

Today's "trip of the week" is a humdinger. A traveler describes the Alcan as a "quiet highway" and compares it to highways south of the border. Read about it on Pages 10 and 11.

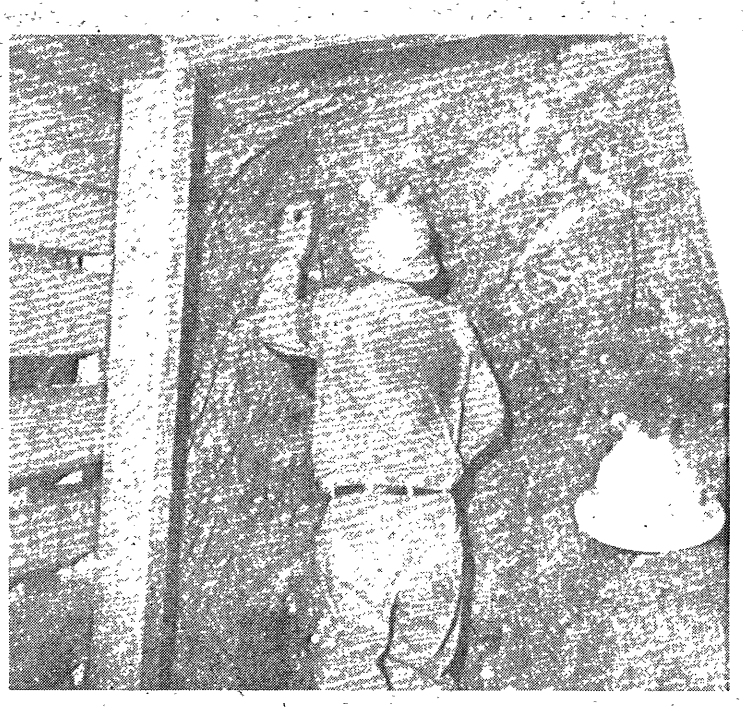
Busty Belle Mine Booming

FROM THE INSIDE looking out at the Busty Belle mine, 16 miles from Fairbanks. The mine is located about two miles off the Elliott Highway. The Busty Belle mine is being developed with the aid of a loan from the Department of Interior. Warren A. Taylor, local attorney, is president of Busty Belle Mines, Inc., Vic Rohrbough, is vice president-treasurer, and JoAnn C. Burk is secretary. —Snapp Photo

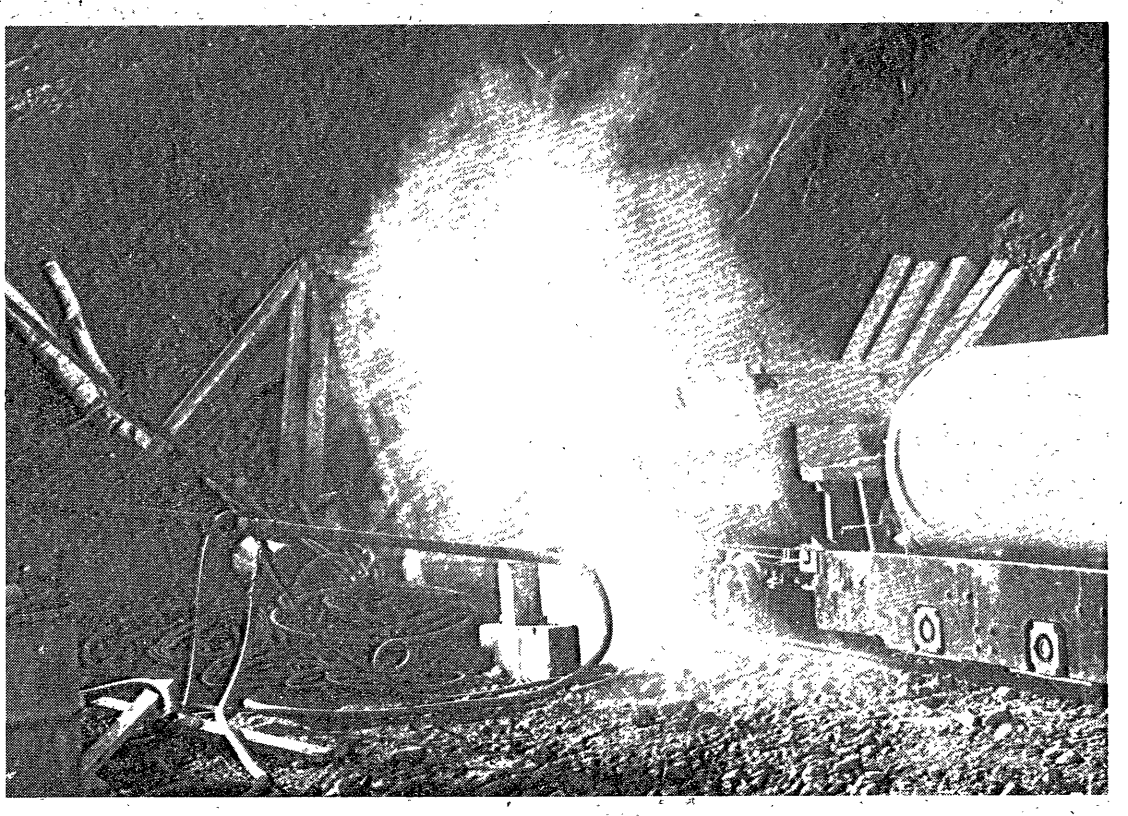
TURY ANDERSON, right, who discovered, staked and claimed the site and did quite a lot of exploration work before the Busty Belle corporation was formed. At left is Vic Rohrbough, vice president-treasurer. —Snapp Photo

AFTER THE ROCK IS BLASTED, it is loaded into small cars and pushed down this track and dumped over this trestle. —Snapp Photo

IT'S GOLD AND SILVER, they're looking for and so far the Busty Belle has given promise of having plenty of both. —Snapp Photo

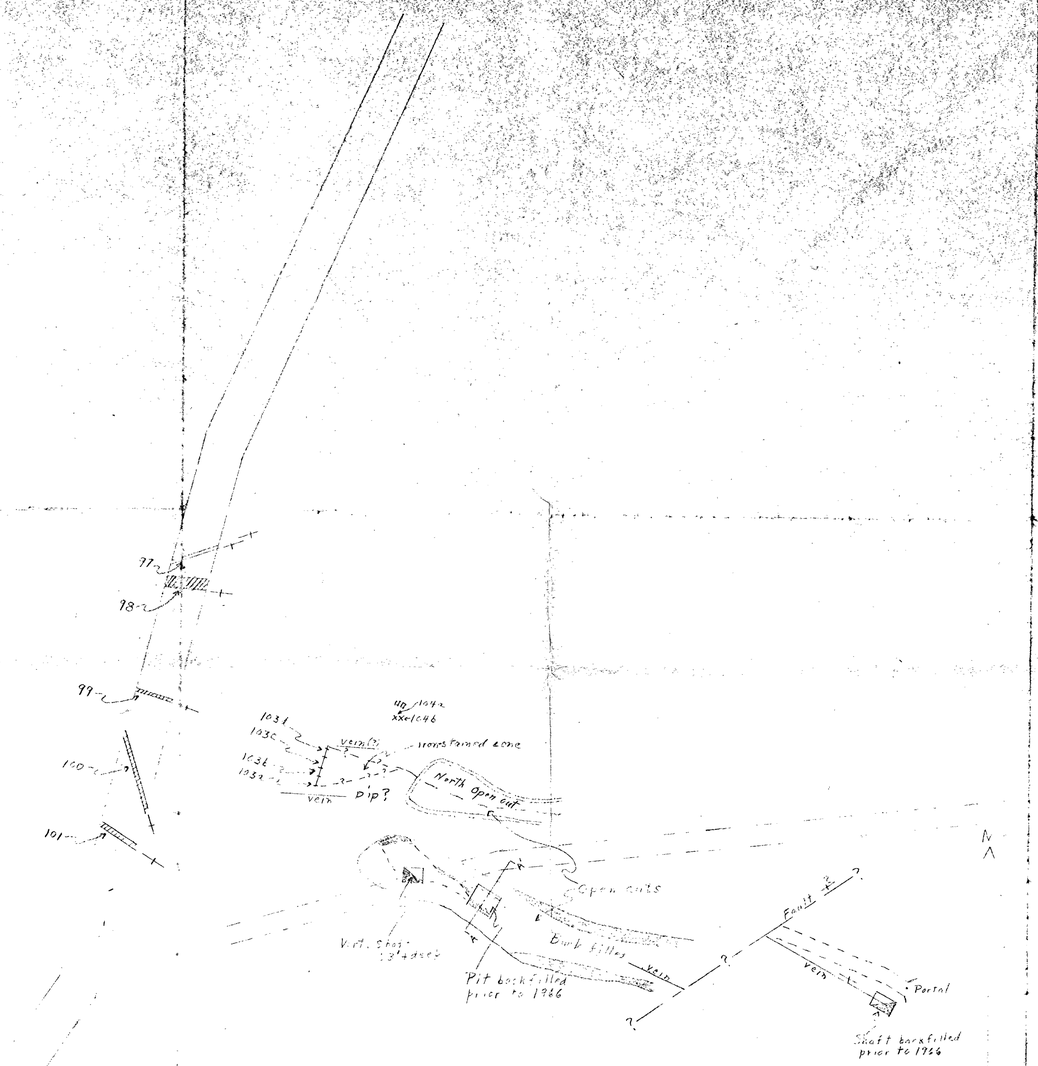


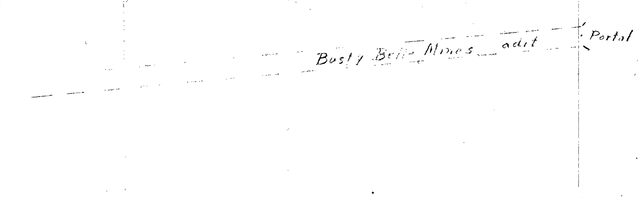
FIFTEEN HOLES are filled with dynamite sticks by miners at the Busty Belle mine, 16 miles from Fairbanks. The tunnel of the mine now extends about 60 feet, with about 5 feet per day being average progress. When the tunnel is completed to 150 feet, the miners hope to cross cut several veins which have been located and uncovered at the surface. Because the mine is located at a higher elevation than Fairbanks, the temperature seldom falls below minus 10 outside the mine and 32 degrees inside. It is expected that men will be able to work inside the mine year-around. —Snapp Photo

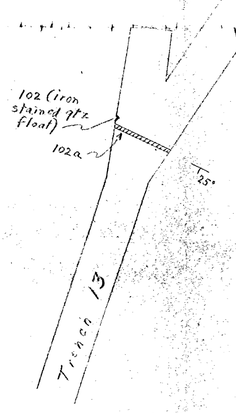


SMOKE SHOOTS from the mouth of the Busty Belle mine after a dynamite blast. At right foreground is the small locomotive and cars used to haul hard rock from the mine. It is developments such as the Busty Belle which indicate that mining is once again on the increase in Interior Alaska. —Snapp Photo

Sample #	Au oz/ton	Ag oz/ton	Pb %
97	0.01	tr.	tr.
98	0.01	tr.	0.04
99	0.12	14.09	7.81
100	0.00	tr.	0.23
101	0.02	0.68	0.02
102	0.00	tr.	0.02
102a	0.00	tr.	tr.
103a	0.15	3.33	7.96
103b	tr.	0.91	0.12
103c	tr.	tr.	tr.
103d	tr.	tr.	tr.



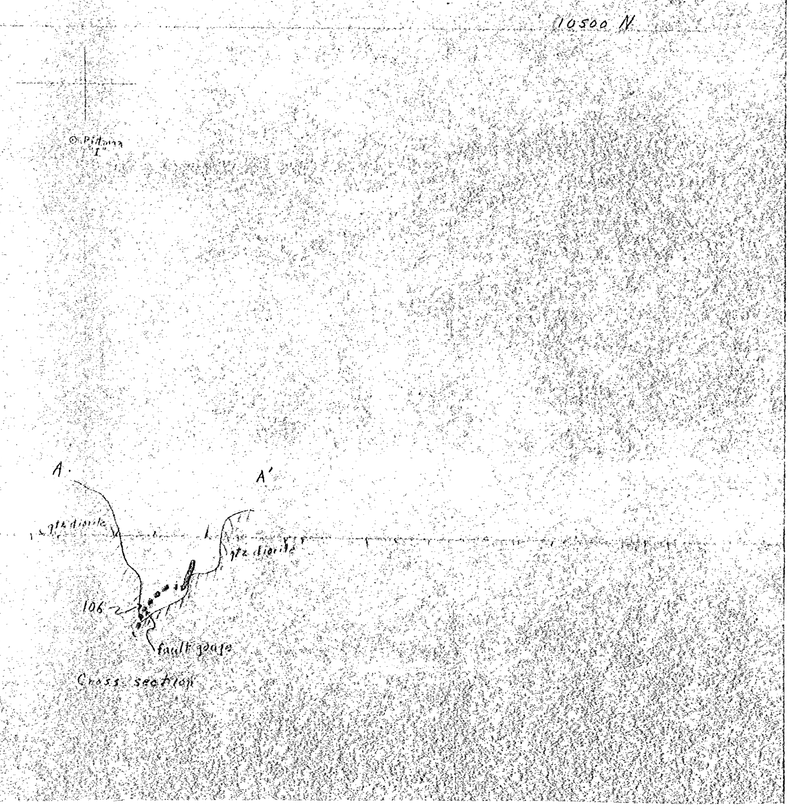


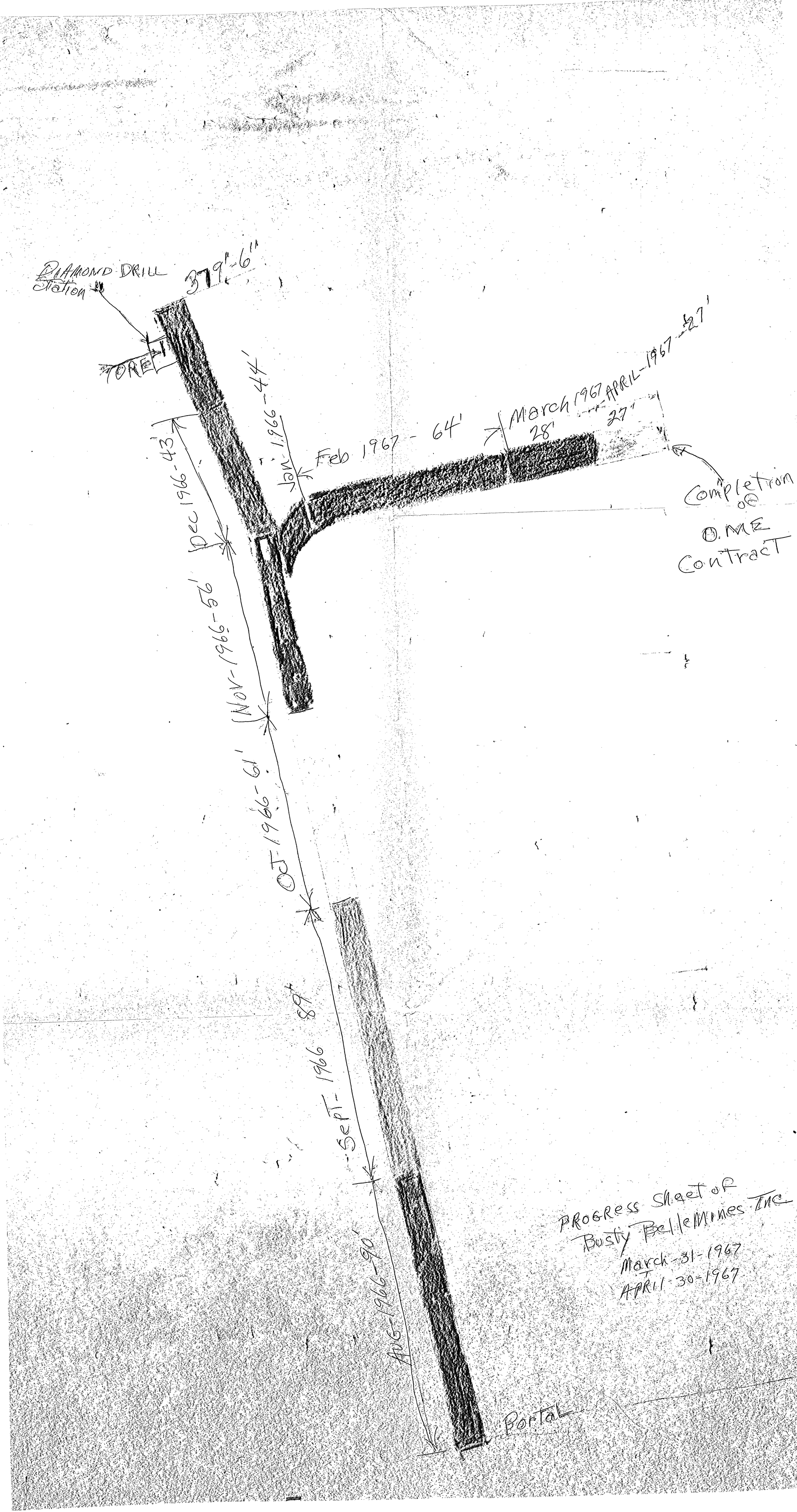


Silvertone Group - Busty Belle Mines, Inc.

Scale 1" = 20'

From Bruce I. Thomas




DIAMOND DRILL Station
379'-6"
ORE
Jan 1966 - 44'
Feb 1967 - 64'
March 1967 28'
APRIL 1967 27'
Completion of O.M.E Contract
Dec 1966 - 43'
Nov 1966 - 25'
Oct 1966 - 61'
Sept 1966 - 88'
Aug 1966 - 90'
Portal
PROGRESS Sheet of Busty Belle Mines Inc
March 31 1967
APRIL 30 1967

FAIRBANKS
Daily News-Miner
"America's Farthest North Daily Newspaper" . . . Member of The Associated Press

VOL. XLV | 15¢ Per Copy | FAIRBANKS, ALASKA, THURSDAY, May 4, 1967 | Fourteen Pages | No. 105

Tanana Ice Breaks 11:55 a.m.

CITY NEWS IN BRIEF

Family Night

Main Junior High students and PTA members will entertain families of all junior high students tomorrow. The Family Night activities begin at 7:45 p.m. at the school on Cushman Street. Refreshments will be served, and an admission of $1.50 for a family or 50 cents for an individual will be charged.

Bird Walk

The Fairbanks Bird Club will sponsor another bird walk Saturday morning early. Any person interested in attending should meet at the Golden Valley Electric offices by 5 a.m. There will be a drive to Tok that same day to observe sand-hill cranes and sharp-tailed grouse. For information about the Tok trip call 452-3183.

College Clean-Up

Cleanup in the College area will be May 20, Mrs. Fran Lord of the College Woman's Club announced today. Mrs. Lord is chairman of the annual cleanup campaign for that area and is seeking groups and organizations who will assist in the project. She may be called at 479-6922. The College cleanup is sponsored by the College Woman's Club. A picnic for children is held at the end of the cleanup work.

NEA Dinner

Members of the National Education Association will attend an annual dinner tonight at Lathrop High School cafeteria. The dinner begins at 7:30 p.m.

Sports Committee

The Citizens Advisory Committee on winter sports will meet at Tice Center Thursday at 8 p.m.

Hearing Tests

The Quota Club will give hearing tests Saturday from 1 to 9 p.m. at Lathrop High School and Sunday from 1 to 6 p.m. at the Alaska State Bank, Fifth Avenue.

Little League

North Star Little League and Levi League will have registration for all boys ages 8-12 who live north of the river on Saturday at the Market Basket between 10 a.m. and 8 p.m. A boy must be accompanied by one parent and must have his birth certificate. There is a $1 charge per boy for insurance.

Blood Typing

The Fairbanks Association of Life Underwriters will hold its annual blood typing meeting between 11 and 5 o'clock Saturday in the Alaska National Bank, in the Northward Building.

(For more news of community activities and notices of the meetings of clubs and organizations, see Community Events, Page 2)

Chinese Press Attacks Leaders

BELGRADE, Yugoslavia (AP) — The Chinese Communist party attacked eight non-Soviet Communist leaders by name for the first time today, calling them "renegades of Marxism-Leninism, strikebreakers of the working class and enemies of revolutionary Communist parties," the Yugoslav news agency Tanjug reported from Peking.

Attacked in an article in the Peking People's Daily, the party paper, were Wladyslaw Gomulka of Poland, Antonin Novotny of Czechoslovakia, Todor Zhivkov of Bulgaria, Janos Kadar of Hungary, Waldeck Rochet of France, Luigi Longo of Italy, John Gollan of Britain and Dolores Ibarruri, the Spanish exile.

Soviet party leader Leonid I. Brezhnev and Walter Ulbricht of East Germany also were in the group, but the Chinese press had attacked them before.

CLOUDY

April 4. Partly cloudy this afternoon and tonight with near zero precipitation. Only a 20 per cent chance of rain Friday. Low last night 35, high yesterday 58. Low tonight 30, high tomorrow 53. Temperature at 10:30, 50. Sunrise tomorrow 3:05, sunset 8:34 with a total of 17 hours 29 minutes daylight and a gain of 6 minutes over today.

Elsewhere

Anchorage, fog, 46 and 31; Juneau, cloudy, 63 and 36; Nome, fog, 30 and 23; Sitka, cloudy, 52 and 42; Chicago, rain, 51 and 38; Denver, cloudy, 57 and 37; Los Angeles, cloudy, 70 and 56; New York, clear, 61 and 45; San Francisco, cloudy, 56 and 51; Seattle, cloudy, 56 and 49.

Busty Belle Boom?

New Ore Found In Area Mine

It looks like there's a good-sized strike at the Busty Belle mine.

"The same type as they made in Pine Point, northwest territory that's caused a stampede for the past two years," mine director Tury Anderson told the News-Miner this morning. "But there's no use starting a stampede here because the ground around there is staked for a good many miles."

The discovery of rich ore came Friday and a preliminary assay estimates its value at $164 a ton. Surprisingly, the highest mineral content is zinc, which Anderson reports has been found in the area only in slight traces before.

According to the preliminary assay zinc content is 30 per cent and should run about $87 per ton. Silver content is 24.48 per cent and worth about $31.54 per ton. Lead makes up 12 per cent for $33.60, and gold is .34 per cent at an estimated value of $11.90 per ton.

The Busty Belle is located 16 miles from Fairbanks and Anderson has been prospecting this area for 20 years. He built the road that leads to the site in 1958.

Last year he formed Busty Belle Inc. with Warren Taylor as president and Mel Anderson as vice president. The fledgling venture received $21,310 in matching money on a 62-1/2 per cent federal matching basis under the office of Mineral Exploration, United States Geological Survey, USGS.

The exploratory shaft went down about two miles off the Elliott Highway at the end of Anderson's road. The strike was made 379 in Busty Belle and 80 feet below the surface. Two men have been working on the tunnel since last August.

The size of the deposit has yet to be determined but it is a six foot vein crossing the tunnel and the miners have explored it for 30 feet. The next step, Anderson said, is to sink shafts to determine how far it travels.

"Then the government engineers have to decide whether it can be developed into a commercial operation. If it can, we will pay back the federal loan on a low interest royalty basis as the ore is removed," Anderson explained.

Anderson is also a legislator and last session he piloted a bill that offers $10,000 for mining discovery. He was quick to note that this grant would not apply to the Busty Belle because it is not a new discovery.

As for the USGS program of matching money, Anderson said it was the only federal program he know of that had made any money.

Frankie Jr. Trial Set For L.A.

LOS ANGELES (AP) — A rerun of a flamboyant kidnap trial—the Frank Sinatra Jr. case—is set for the courts of Los Angeles, by order of the 9th U.S. Circuit Court of Appeals.

Two of the three men convicted in the 1963 abduction and ransom of the young singer were granted new trials Wednesday, but the U.S. attorney's office in Los Angeles was considering whether to ask the U.S. Supreme Court to review the decision.

Granted new trials by the San Francisco court were John William Irwin, 45, and Joseph Clyde Amsler, 26. A third defendant, Barry Worthington Keenan, 26, had dropped his appeal, and his sentence at that time was cut to 12½ years.

Some confusion about the decision for new trials was evident, and the 23-page written opinion was not immediately available.

Ass't U.S. Atty. Dick Urdan, chief of the criminal division in San Francisco, telephoned word to Los Angeles that the reversal appeared based on the contention that the defendants were not given rights required by federal law in capital cases.

Urdan said there was no contention on the government's part that the Sinatra kidnaping was a capital case because Sinatra, 19 at the time, was not harmed.

But, he explained, the appeals court ruled that because a death penalty was possible, the defendants should have been given the rights provided by law.

The rights include 20 peremptory challenges of prospective jurors, instead of the normal 10. The government is also required to furnish the defense with a list of witnesses and prospective jurors three days before the trial.

None of these requirements was fulfilled, said Ass't. U.S. Atty. Robert L. Brosio in Los Angeles, because it was not asked by the defense and it was not believed to be a capital case.

At the four-week trial, the defense contended the kidnap was a mere publicity stunt.

Chena River Up By Five Inches

The Chena River rose five more inches yesterday. This morning's reading from the Wendell Street Bridge gauge indicated the depth of the river was about two feet and one inch. Yesterday morning, the river was about one and a half feet deep.

The speed of the flow of the water in the river has almost doubled since yesterday, the weather bureau said this morning. Yesterday the flow was approximately 700 cubic feet per second. Today the river was flowing at approximately 1,300 cubic feet per second.

Weather bureau hydrologists expect the river to reach a high point of about 11 feet sometime between May 7 and May 9. Flood point of the river is 12.28 feet.

Wien Labor Dispute

Negotiations between Wien Air Alaska and members of the International Association of Machinists and Aerospace workers on a new contract have bogged down. A federal mediator has been called in to work with both sides in the dispute.

Judge Orders Fine, Jail For Shooter

"If everyone disobyed fish and game regulations, there would be no wildlife for future generations," Judge Hugh H. Connelly of District Court admonished Calvin M. Osborne yesterday.

Connelly, acting in his capacity as U. S. commissioner, sentenced Osborne, 21, to 15 days in jail and fined him $175 for attempting to shoot geese at the University of Alaska Agricultural Experiment Farm on April 27. Osborne works at the farm.

Osborne had been apprehended by Neil T. Argy, federal game management agent here and charged with attempting to take migratory birds out of season. Migratory birds are protected by federal regulations and a federal tax stamp must be purchased in order to hunt them. The suspect pleaded guilty.

"Such regulations are especially important in Alaska since much of the migratory bird population of the United States comes from Alaska and Northern Canada," Connelly said.

Connelly suspended the jail sentence and $100 of Osborne's fine on the condition he obey all state and federal hunting and fishing regulations for a period of one year.

There are presently 10,000 to 12,000 geese in the Fairbanks area according to U. S. Wildlife Service. The migratory bird season is closed until Sept. 1.

SMILING WINNERS—The "Hopeful Ten"—the staff of the business office at St. Joseph's Hospital — were among the winners of this year's Nenana Ice Classic, worth a total of $105,000. From left in the first row Catherine McLune, Sister Gertrude Nestor, Elizabeth Pennington, Carrie Padgett, Janet Bouton, and, in the back, Thelma Estorff, Arlene Palmer, Lila Hodge, and Joann Bartram look at their time sheet. —(Staff Photo)

When Johnny Starts School

By DEAN WARINER
Assistant News Editor

From the time Johnny Student is six until he leaves high school, he is the charge of the North Star Borough School District during a good part of those years.

Whether he turns out to be valedictorian of his class or quits somewhere in between depends upon a myriad of variables. Some are related to the strength of the schools and some to strengths of his family.

Nearly 7,000 students are enrolled in district schools this year and projections for 1970 are for 8,000.

A Series

Problems facing the district include starting new and better education methods and how to finance them without increasing costs. Rising costs make it practically impossible to introduce far-reaching ideas into practice.

28 to a Class

Of the district's 14 schools, most classrooms are above the number of students a teacher can handle comfortably. The average number of students to an elementary teacher in the Fairbanks area is about 28 students.

The state recommends there be 25 students to a room.

At Hunter School on the southwest side of the city, Principal Rosamond Weller houses her 724 elementary students in 23 classrooms, which is 31 to a room.

Her biggest complaint about facilities is lack of storage space for equipment and supplies. Expensive audio-visual equipment sits in hallways because there is no storage room available.

Dozens of pairs of skis, which she conned the Army out of, stand in a corner near the multipurpose room door because there is no cupboard space.

Skiing Instruction

She now has 12 pairs of skis with bindings to teach her noon-time skiing class of fourth, fifth and sixth graders. She hopes to get enough pairs converted to child size to teach 30 students at a time and start them at an earlier age.

The students already have a vigorous ice-skating program in the winter as do most schools in the district. Once a year the Hunter student council holds a skate exchange, where students exchange skates they have outgrown for larger pairs.

They also conduct a book fair once a year. Two Hunter teachers started the fair by obtaining used books and selling them to obtain new books for the school library.

In contrast with Hunter is the University Park School which serves the University of Alaska area. University has 22 classrooms for its 634 students from kindergarten through sixth grade.

Team Teaching

It is equipped with a full service library and team teaching classrooms

Team teaching has developed in the district as well as the nation as a way to teach more students, faster with more individual instruction.

In a double room set up for team teaching, one instructor can give a lesson to 50 students while the other helps individual students grasp the lesson.

The rooms are also equipped with soundproof folding partitions and can be separated to give each teacher his own classroom.

A third teacher can participate by conducting sessions with small groups in a connecting office which serves the two rooms.

Three classes can be seated in the room for special programs on the instructional television system in the district. Recently three classes watched a TV program for orientation to Main Junior High School.

Teachers said the program gave the students a better look at junior high life than they would have gotten if they had spent the same amount of time visiting the school as in past years.

Joy School, which serves Lemeta Village and the surrounding area, is one of the most modern school plants in the nation. Its circular shape with multipurpose room in the center make it unique in the district.

Principal Shirley Kraft said the school is not nearly as unique as its students. This year her sixth graders held numerous bake sales to raise $60 for an original art work.

The students made out much better than the ordinary art collector. Mrs. Kraft arranged to have a work done which would normally sell for more than twice the amount the students earned.

Smaller Schools

The problems of the smaller schools in the system such as Adler, Salcha, Two Rivers and Nenana Road Elementaries do not include crowded classes. These schools have about half the students to a class that the larger schools have.

James Williams, head teacher at Adler which serves the Eielson area, said the small number of students he has gives him several advantages. One is more time for individual instruction.

Williams teaches the fifth and sixth graders at Adler in a team teaching classroom. His wife, Judy, handles the third and fourth grades.

(See JOHNNY, Page 3)

RUGGED CLASS — Mrs. Marilyn Gentleman conducts session on numbers with her kindergarten class at Adler Elementary School. The carpeted floor makes it easy to hold studies like this. Rooms also have carpets on walls to reduce noise going from one room to another. —(Staff)

Fourteen Listed As Pool Winners

Fourteen, and possibly 15 if the disputed ticket held by Kelly Petsch of Anchorage is honored, are winners of the 1967 Nenana Ice Classic.

The pylon on the Tanana River at Nenana went into the open water flowing past Nenana this morning and pulled the slack 100 feet of rope to trip the official timing clock.

Each ticket can be worth $7,500 each. Or, if the disputed Petsch ticket is eventually honored, each ticket will be worth $7,000. Total prize money this year is $105,000.

Decision on the official time and the official prize amount will be determined by the Ice Classic Committee today, manager Dan Ketzler told the News-Miner. The committee meets immediately after the breakup each year to name the winners and official time.

Names on the 14 winners are Elmer Lee Hawk, 10 Hopefuls, Don Hall Co., Eimar Trygstad, Coolies, Hugh Boyd, Lucky S. Pool, DPW Ice Worms, Richard Biggers, 610 Club, George Yendetti Inc., Mrs. Gladys Murdock, Jim Richardson Co., Irs II Pool.

A grand jury indictment Monday charged Kelly Petsch of Anchorage with grand larceny for the alleged theft of 1,089 tickets on the Ice Classic.

Classic manager Ketzler said this morning the committee would meet today and "talk about the Petsch ticket if he wins." The matter will be settled by the courts, Ketzler said, and he does not know what action the Classic committee will take today on the ticket now that Petsch definitely has a winning time.

The "10 Hopefuls" ticket is held by the business office staff at St. Joseph's Hospital. The 10 are all women and the winning time was chosen by Mrs. Carrie Padgett. The other nine are Joanne Bartrum, Elizabeth Pennington, Arlene Palmer, Katherine McClune, Judy Reeves, Thelma Estorffe, Lila Hodge, Sandy Poehals, and Jeanette Bouton.

Mrs. Padgett's husband was fairly close to the winning time. He had a ticket on 11:57 a.m.

The "Coolies" pool is made up of 25 Fairbanks Federal Aviation Agency (FAA) employes at the headquarters building at 5640 Airport Way.

They are Betty Zurlinden, J. Budroo, William Reynold, Janice Millison, Harry Graefing, George Mitchell, Ray Charboneau, Harold Ivanoff, Bill Wammack, Ted Backer.

Other "Coolies" are Al Burnham, Oscar Jacobson, Wilson Smith, Dick Denver, Len Tolleson, Hilde Newton, Rosemary Patterson, Sandra Pickard, Linda McGrew, Mae Hancock, Joe Husa, Bob Wilson, Jim Combs, Bill Nicholson, R. E. Boyle.

"The thing that is so sporting about the Nenana Ice Classic is that no one can predict how the ice is going to move. Some years we have warm springs. Some years it's cold. Sometimes there is lots of snow. Each year the ice breakup seems to develop differently," a veteran river watcher said.

The ice in the Tanana River has risen only 18 inches over its level in March when the tripod was placed 100 yards off shore.

An open channel of water runs down from the Alaska Railroad bridge about one half mile up stream from the pylon. This open water continues down past Nenana's rail depot to the new highway bridge that is under construction now at the town of Nenana. But near this newer bridge, Coghill said, a jam of ice has formed. Since the ice is so thin the jam is not high. And because of this thinness chunks break away and disintegrate easily.

Actual thickness of the river ice Wednesday was measured at 18 inches.

7 Plans Of Reds Thwarted

DA NANG, Vietnam (AP) — Lt. Gen. Lewis W. Walt, commander of the 75,000 U.S. Marines in South Vietnam, said today allied forces have thwarted seven Communist battle plans in the northern 1st Corps area since the end of the Vietnamese Tet truce last February.

Walt and Maj. Gen. Hoang Xuan Lam, commander of Vietnamese forces in the five provinces making up the area, appeared at a joint news conference. The conference apparently was called to counter fears that North Vietnamese regulars and Viet Cong guerrilla forces were seriously jeopardizing the allies' hold in the area.

Walt said his Marines have been battling two regiments of North Vietnam's 325th Division in the 11-day struggle for key hills northwest of Khe Sanh, near both the Laotian border and the demilitarized zone between North and South Vietnam.

Allied troops have fought elements of two other North Vietnamese divisions near the zone — the 342B and 341st since last fall.

Walt said U.S. Leathernecks first encountered a regiment of the 325th Division when they moved against Hill 861, four miles north of Khe Sanh last week and fought a series of bloody battles. The fights continued for Hill 881 South and Hill 881 North and Walt said this enemy regiment was so badly mauled it had to be replaced by a second.

Asked about casualties in the battle of the hilltops, Walt said the Marines had 157 men killed and 738 wounded through Wednesday. Enemy losses in those days, he said, were 506 confirmed killed. He said 610 others probably were killed.

Asked if he considered the Marine casualties high for such objectives, Walt said it was "hard to know" the ratio of American to enemy casualties.

New Army Division?

WASHINGTON (AP) — Gen. William C. Westmoreland stands a good chance of getting at least one more Army division to strengthen his forces in Vietnam, government sources said today.

And he could gain two more divisions, depending on the course of the war in the weeks ahead.

Each additional division and its supporting elements would swell Westmoreland's force by 25,000 to 30,000 men.

Present plans calling for a buildup to about 470,000 U.S. servicemen in Vietnam by year's end were completed last fall. The U.S. force in Vietnam was last reported officially at 440,000.

Since last fall, the Communists have intensified their operations threatening the northernmost provinces of South Vietnam, and have built North Vietnamese regular army elements in the buffer zone area to about four divisions.

There is a marked contrast between the way the Communist buildup is viewed by State Department officials on the one hand and by those at the Defense Department on the other.

Board OKs Work

WASHINGTON (AP) — The Army Engineer Rivers and Harbors Board has recommended authorization of harbor improvements at Kake Harbor, Alaska, to cost $1,760,000.

If the chief of Army Engineers agrees with the recommendations, Congress will be asked to authorize the project and to appropriate money to pay for it.

Sourdough Jack Sez: "I used to know a busty belle once. But she wasn't mine."

School Board vs. Borough . . .

(Continued from page 1)

bonds in June. The borough last December purchased $5.2 million in bond anticipation notes and half of these become due in June.

A New York bond sale has been slated to cover the bond anticipation notes.

But at last night's meeting there was no mention of such a move on the part of the school board during the open session.

Prior to last night's session, newsmen questioned the school board on the reason for the calling of the executive session. School Board President Baird indicated that it was mainly on the ground that information might come out in discussion that would impair the financial position of the school district and also that information might come out which could possibly impune the character of an individual. The borough attorney mentioned the possibility of breach of lawyer-client confidentiality.

Jessen's Weekly asked the board to allow newsmen to attend the executive session and be allowed to utilize the discussion in the event none of the possibilities mentioned materialized. In the alternate, a recap of considerations brought out in discussion was asked.

In the resolution passed after the execution session, the board said:

—The Board of Education, by state law, has the responsibility and authority for school design because of the close relationship between facilities and curriculum.

—It would be a breach of trust with the public for the Board to relinquish this responsibility.

—On May 2, 1967, the Fairbanks North Star Borough Board of Education by motion directed Alaska Architectural and Engineering to stop work on the final plans for the Ryan Junior High School.

—Said action was taken because the Borough Chairman, acting alone, directed the architect to proceed with final plans and specifications on the Ryan Junior High School as a separate building; which said action by the Borough Chairman was not in conformity with the plans heretofore approved by the Borough Board of Education and the Borough Assembly; said approved plans being based on the principle of the Junior High and the Physical Education building being a composite structure with a common utilities system, one building dependent on the other to fulfill the education requirements.

—Physical education is a required part of the total school program of the junior high curriculum and the separate construction of the Ryan Junior High without a physical education facility would not meet the education needs and would be unsatisfactory in operation.

—The Borough Chairman's action was in contravention of the contract executed by the Fairbanks North Star Borough and Alaska Architectural and Engineering and further was in contravention of state law providing that all school buildings will be designed by the Borough Board of Education subject to the approval of the Borough Assembly.

New Veterinarian

Alice Thompson, president of the Humane Society, has announced the arrival of Dr. Gerald Woolridge, formerly of Anchorage, who will practice veterinary medicine in this area.

WHAT'S HAPPENING AROUND THE STATE?

Don Wright, a young man active in Alaskan Native affairs, is the new chairman of the Advisory Committee to the Rehabilitation Project being conducted at the Alaska Native Medical Center in Anchorage.

Wright, recently named head of the Cook Inlet Native Association, took over the six-month's assignment from Thomas H. Pillifant, Superintendent for the Anchorage District, Bureau of Indian Affairs. Wright is also vice president of the newly formalized Federation of Native Associations and is coordinator for the CINA Centennial Native cultural exhibit in Anchorage.

Mrs. Carolyn Issermoyer will continue as secretary to the committee, a post she holds also with the project proper.

Congressman Howard Pollock (R.-Alaska) has been invited to become a member of the Board of Directors of the American Society for Oceanography, Pacific Western Region, which includes the states of Alaska, California, Oregon, Washington, Arizona, Nevada and Hawaii.

Pollock said that it is hoped that the University of Alaska will be able to expand its programs in oceanography by participating in the Sea Grant College Act adopted last year by the Congress.

Snoose Shortage?

Jessen's Weekly has learned that recently in Chicago a snuff jam had caused a minor crisis among the loggers and miners in Southeastern Alaska, but the jam has now been broken.

The special damp variety of "snoose" favored by skinners and diggers was dispatched to the north by air after shipments were bogged down in the Chicago-Teamster-employer wage dispute.

A chief clerk for an express company in Chicago said that some workers in fields and mines had threatened to strike if their snuff supply was not forthcoming.

The first open pit mine in the Yukon Territory went on three shift continuous operation as of May first says the Whitehorse Yukon Star.

Ross Kenway, general manager of the New Imperial Mines copper property, seven miles south of Whitehorse, said the test run period has been completed and the plant is operating smoothly. The start-up of the crusher and concentrator was favorable, and recovery and concentrate grade are reacting normally.

Starting out, the mine had not exceeded 1,600 tons per day, which was expected to increase after a long period of refinement and adjustment. The plant is capable to putting out 2,500 tons per day.

The ore from the mine is shipped via White Pass and Yukon Railroad to Skagway where it is loaded on Japanese boats for shipment to smelters in Japan where it is refined into pure metals.

The Yukon Territory now has its own official flag to fly during the Canadian Centennial year.

Recently the territorial council, chose the winning design of a flag contest, sponsored by the Royal Canadian Legion, Whitehorse branch. The design is much like the Canadian flag in general appearance, except that the staff side is green, the middle is white and the fly is blue; the Yukon crest with a semi-stylized fire weed underneath is situated on a White background, said the Yukon Daily News.

The designer was Lynn Lambert of Destruction Bay. He received $100 in prize money.

Poet's Corner

"MOM IS A BEAR CAT"
By EDNA FRANK

A flit and a flutter —
Hair in piles with choices of color,
Sooty eyes and sweeping lashes,
Skimy capris and scant bikinis,
Nighties from Frederick . . .

A hat and gloves—
Dresses, many, select and shapeless,
Luncheons, teas, and PTA,
Crisp accounts, a shopping genie,
Efficiently feminine . . .

A touch and a kiss—
Kneeling filmy or fashion right
To treat a wound, soft 'n tender,
Cooling hands on a fevered brow,
A prayer, a story sitter . . .

A ball and bat—
Dungerees faded and comfort worn,
Sneakers fast away from base,
A home-run queen in team shirt
Boldly lettered "Bear Cat."

Nuggeteer

(Continued from page 1)

banks and A-67 in conjunction with that engagement.

The Democrats are also financing a series of political polls from a person of high repute. These polls reportedly will guide the Democrats on strategy and selection of best possible candidates.

BUSTY BELLE TO OFFER STOCK—What a lot of people don't know is that the strike last week at the Busty Belle was made on the last dynamite shot.

The contract financed in part by the Office of Mineral Exploration of the Interior Department to construct a tunnel to cross-cut veins under the surface was complete. The officials of Busty Belle had the mining crew to move back 28 feet from the end of the tunnel and blast a space for the placing of a diamond drill to be put in later. It was that blast that uncovered the find of zinc, lead, silver, and some gold.

The Busty Belle corporation is now planning to offer about $30,000 in stock at $10 a share. The stock will first be offered to the present stockholders and if all of it is not sold, the remainder will be offered to the public.

DAIRY OPERATION — The former Golden Heart Dairy or Progress Dairy, located at 8½ Mile, Badger Road, has been placed back under the supervision and control of Ralph Gadberry. The farm is now known as the Garbury Farm.

For a short period the State Director of Agriculture and the head of the State Revolving Agriculture Loan Fund had taken over supervision and control of the farm.

Milk is being shipped in tanker truck to Anchorage as is the milk from the Agriculture Experimental Farm at the University.

The former manager of the farm, Jerry Walsh, has called for a full public airing and investigation of the dairy and creamery operation here. Kathleen (Mike) Dalton, chairman of the Central Republican District in November called for a full audit of the agricultural revolving loan fund.

STEVENS COMMENTS — At a luncheon today at Anchorage, State Representative Ted Stevens (R-Anchorage), made these comments:

"I've been in a statewide race before, as you know. In 1962 we put together a young team that knew the odds were tough but we knew then we were building for the future.

"I have never been a reluctant candidate — at least I was born with itch to be in political office, but in 1968, I want to be certain of two things: first, that Governor Hickel, who I feel is the leader of our party, thinks I should run. Second, that enough Alaskans feel I can have the qualifications to join in a team effort before I take up the statewide trail again. There are potential candidates I know who have these qualifications—Senator John Butrovich, Congressman Howard Pollock, Senator Lowell Thomas and Senator Carl Brady, and others have them.

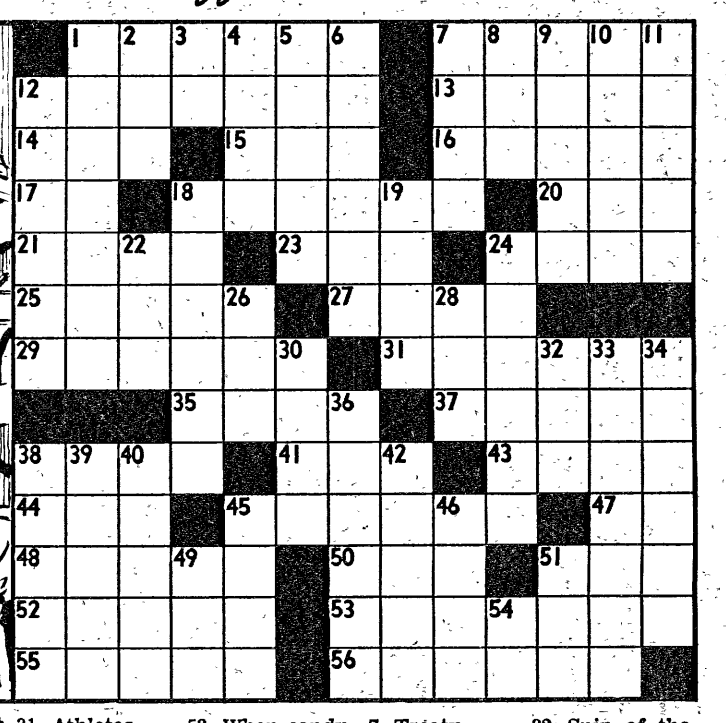
"It is much to early to announce whether I will run again for the U.S. Senate in 1968. But I do want to say this: We will win that race only if we can put together a team effort."

Humane Society Notice

Merlin J. Cowell, correspondence secretary for the Humane Society, urges all members to attend the meeting of the Fairbanks North Star Borough Assembly at Lathrop High School, 8 p.m. Thurs. May 11.

Candyword Puzzle

By Jack Luzzatto



ACROSS

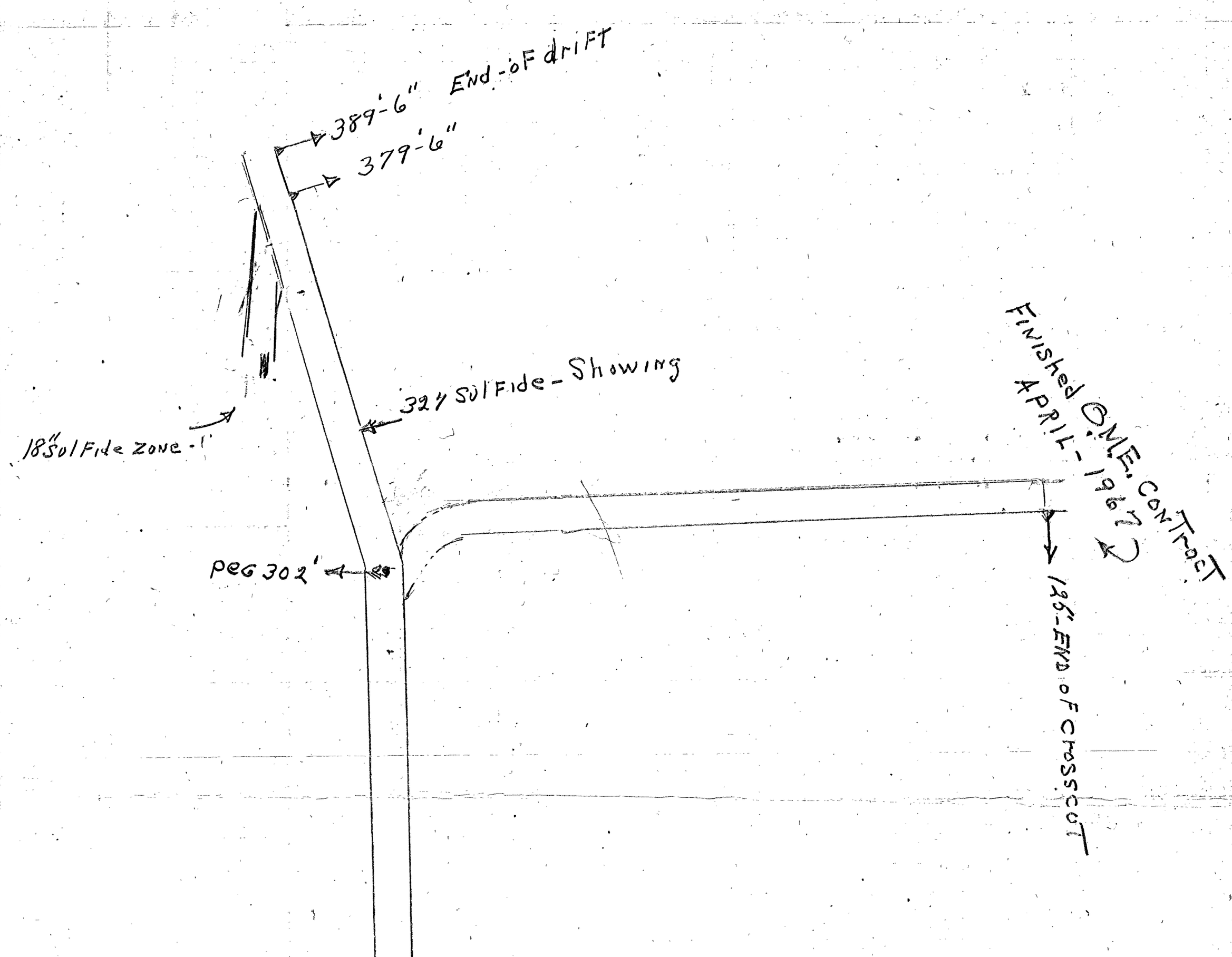
1. Kind of candy center
7. Who brings candy for kids?
12. Rail depot where you can get candy
13. Candy keeps drivers this way
14. Swiss river
15. Actor's signal
16. From bonbons to gumdrops
17. Southwestern state: Abbr.
18. Sorry about that!
20. —— -pros (will not press charges)
21. When you do this you need candy
23. Nourishing candy ingredient
24. Rotate rapidly
25. A beau has this up his sleeve with candy (2 wds.)
27. Candy, —— fastest pick-me-up
29. How you drive when kept alert with candy
31. Athletes
35. Candy in your —— can help you reduce
37. To —— fatigue, try candy
38. O'clock
41. Curve
43. Always
44. Big fuss
45. French darlings who deserve a treat
47. Myself
48. Brief scuffle
50. Popular candy center
51. American author
52. Mongol
53. When candy can replace pie
55. Flee to wed
56. Postage

DOWN

1. Staying power (candy helps!)
2. Feeling low? Candy brings you up to this
3. First part of Bible: Abbr.
4. Present candy makes
5. Scoop out
6. Need this fast? Take candy
7. Treaty
8. In the style of
9. Candy for kids
10. Fervor
11. Fashion
12. Seasonal candy bringers
18. Fall back
19. Gifts of candy soothe ruffled ones
22. Britain's Air Force
24. Fruit orchards
26. Yale man
28. —— tree for a gift? Candy!
30. Slangy word of approval
32. Spin of the prop
33. Slight earth quakes
34. City road
36. General movements
38. Why people love candy
39. Kind of gift candy is
40. Slogan
42. Vinegar bottle
45. Center
46. —— boy! (Send candy)
49. Light blow
51. Energy you get from candy
54. Soldier's Medal: Abbr.

Solution to Puzzle CKU-96

	SPONGE						PAPAS					
STATION							ALERT					
AAR		CUE					CANDY					
NM		REGRET					NOL					
TIRE		EGG					GYRE					
ANACE				YOUR								
SAFELY				SPORTS								
		DIET					AVERT					
TIME		ARC					EVER					
ADO		CHERIS					ME					
SETTO				NUT			POE					
TATAR				DESSERT								
ELOPE				STAMPS								



Monthly - progres

Aug - 1966 - 90 FT.
Sept 1966 - 89 "
Oct. 1966 - 61 "
Nov. 1966 - 56 "
Dec. 1966 - 43 "
Jan - 1967 - 44 "
Feb - 1967 - 64 "
March - 1967 - 28'
April - 1967 - 25'

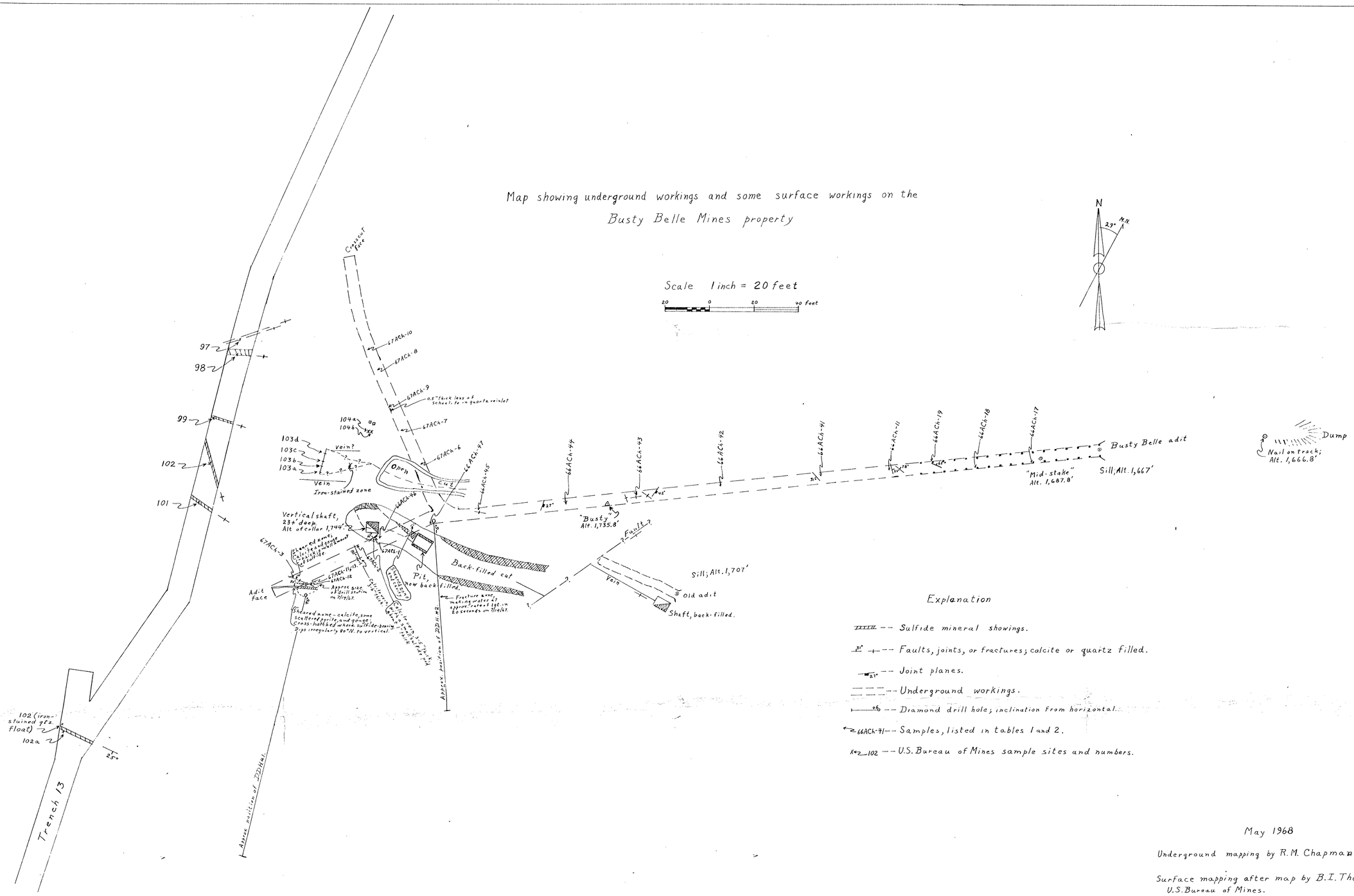
Total - 500 FT.

Started OME Contract
Aug - 1966

Portal

Warren A. Taylor
Pres. Rusty Belle Mine

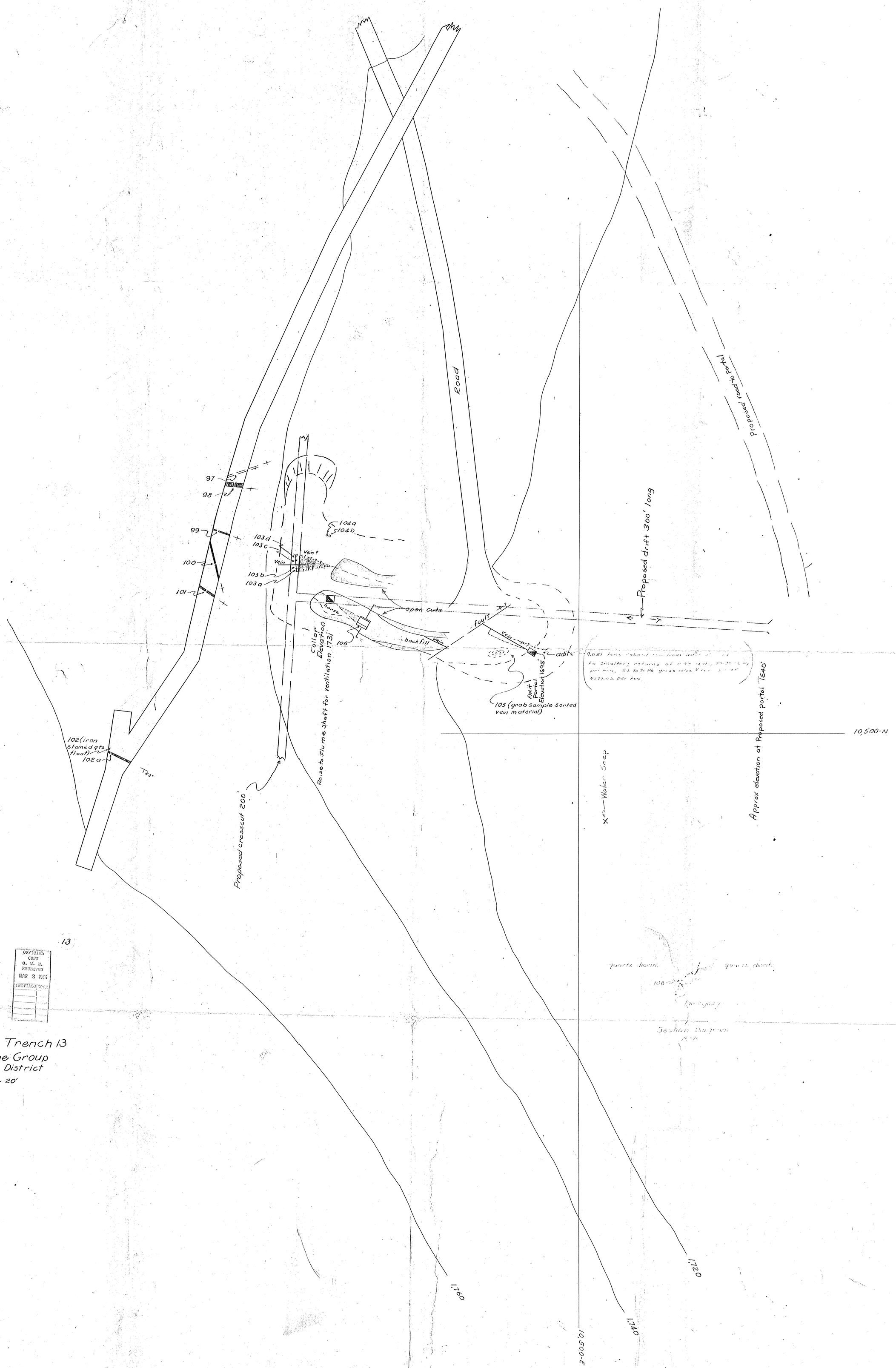
Map showing underground workings and some surface workings on the Busty Belle Mines property



May 1968

Underground mapping by R. M. Chapman 1966-67.

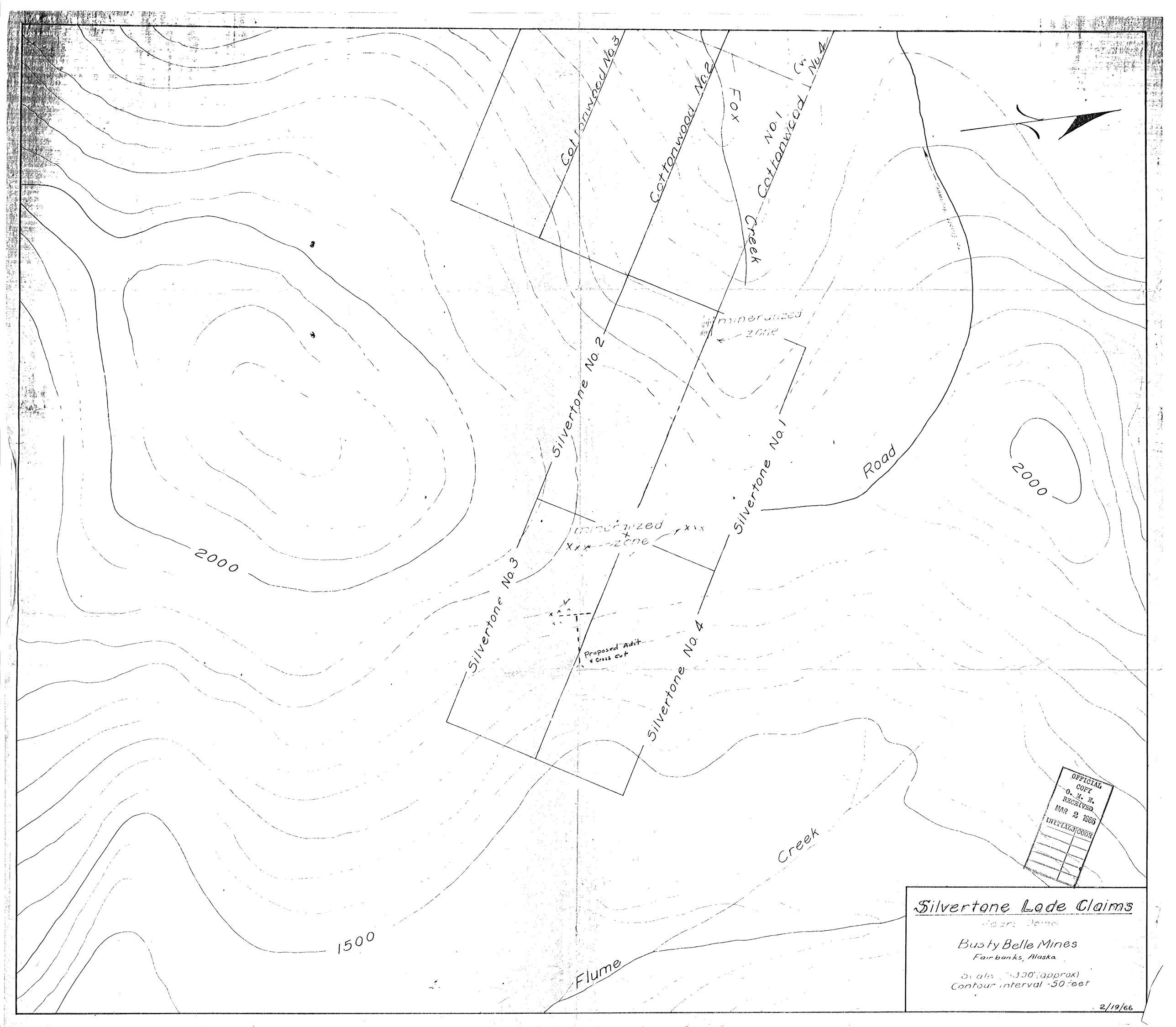
Surface mapping after map by B. I. Thomas, for U.S. Bureau of Mines.

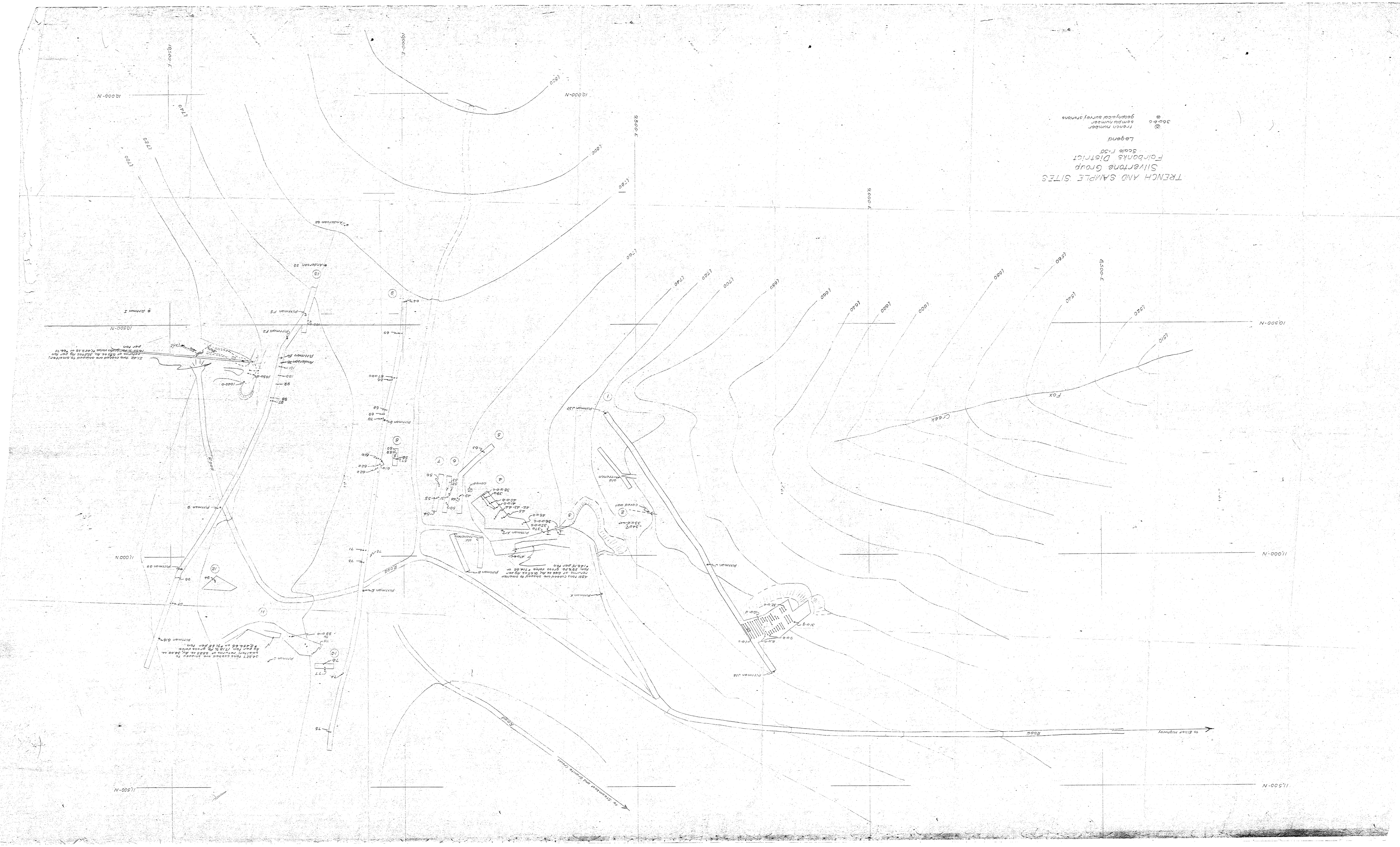


Open Cuts at Trench 13
Silvertone Group
Fairbanks District
Scale 1" - 20'

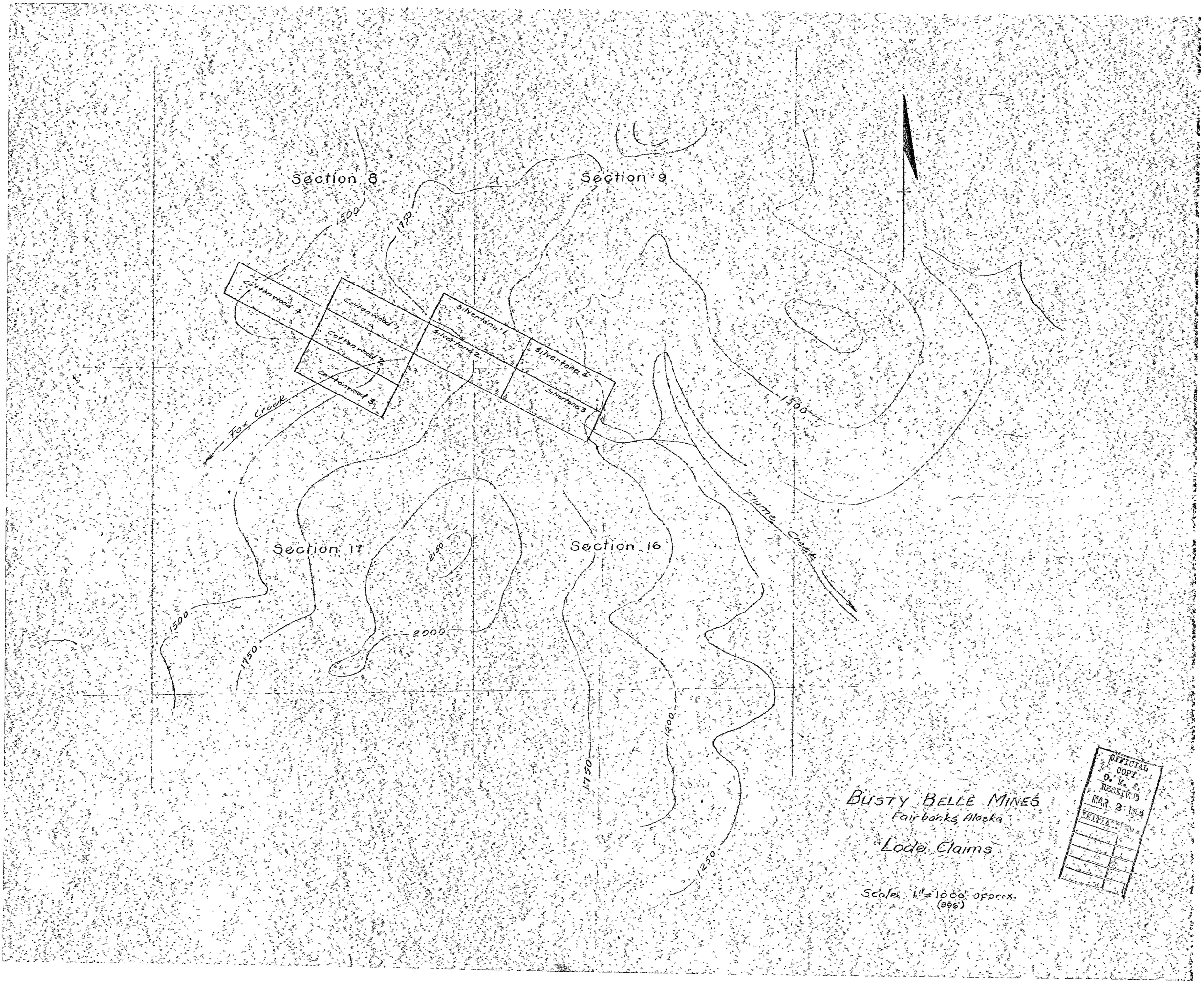
OFFICIAL COPY O. M. E. RECEIVED MAR 2 1965
INTERAGENCY COPY

OMF-6534


Cottonwood No. 3
Cottonwood No. 2
Cottonwood No. 1
Cottonwood No. 4
Fox Creek
Mineralized zone
Silvertone No. 2
Silvertone No. 1
Road
2000
Mineralized zone
Silvertone No. 3
Silvertone No. 4
Proposed Adit & cross cut
2000
1500
Flume Creek
OFFICIAL COPY
O. M. E.
RECEIVED
MAR 2 1966
INITIAL CODE
Silvertone Lode Claims
Busty Belle Mines
Fairbanks, Alaska
Contour interval 50 feet
2/19/66


TRENCH AND SAMPLE SITES
Silvertone Group
Fairbanks District
Scale 1"=30'
Legend
trench number
sample number
geophysical survey stations
Fox
Creek
Road
to Elliot Highway
to Steamboat and Granite Creek
Road
Pitman J37
Pitman J18
Pitman K
Pitman B
Pitman A
Pitman E
Pitman G
Pitman B8
Pitman B16
Pitman C
Pitman F
Pitman F2
Pitman F5
Pitman I
Pitman D
Pitman D4
Pitman D6
Old Pitman
Old Tramcon
Cover
Cover Dam
Anderson 68
Anderson 30
10,000-N
11,000-N
11,500-N
15,000-E
16,000-E
17,000-E
18,000-E
19,000-E
20,000-E
21,000-E
22,000-E
23,000-E
24,000-E
25,000-E
26,000-E
27,000-E
28,000-E
29,000-E
30,000-E
31,000-E
32,000-E
33,000-E
34,000-E
35,000-E
36,000-E
37,000-E
38,000-E
39,000-E
40,000-E
41,000-E
42,000-E
43,000-E
44,000-E
45,000-E
46,000-E
47,000-E
48,000-E
49,000-E
50,000-E
51,000-E
52,000-E
53,000-E
54,000-E
55,000-E
56,000-E
57,000-E
58,000-E
59,000-E
60,000-E
61,000-E
62,000-E
63,000-E
64,000-E
65,000-E
66,000-E
67,000-E
68,000-E
69,000-E
70,000-E
71,000-E
72,000-E
73,000-E
74,000-E
75,000-E
76,000-E
77,000-E
78,000-E
79,000-E
80,000-E
81,000-E
82,000-E
83,000-E
84,000-E
85,000-E
86,000-E
87,000-E
88,000-E
89,000-E
90,000-E
91,000-E
92,000-E
93,000-E
94,000-E
95,000-E
96,000-E
97,000-E
98,000-E
99,000-E
100,000-E
101,000-E
102,000-E
103,000-E
104,000-E
105,000-E
106,000-E
107,000-E
108,000-E
109,000-E
110,000-E
111,000-E
112,000-E
113,000-E
114,000-E
115,000-E
116,000-E
117,000-E
118,000-E
119,000-E
120,000-E
121,000-E
122,000-E
123,000-E
124,000-E
125,000-E
126,000-E
127,000-E
128,000-E
129,000-E
130,000-E
131,000-E
132,000-E
133,000-E
134,000-E
135,000-E
136,000-E
137,000-E
138,000-E
139,000-E
140,000-E
141,000-E
142,000-E
143,000-E
144,000-E
145,000-E
146,000-E
147,000-E
148,000-E
149,000-E
150,000-E
151,000-E
152,000-E
153,000-E
154,000-E
155,000-E
156,000-E
157,000-E
158,000-E
159,000-E
160,000-E
161,000-E
162,000-E
163,000-E
164,000-E
165,000-E
166,000-E
167,000-E
168,000-E
169,000-E
170,000-E
171,000-E
172,000-E
173,000-E
174,000-E
175,000-E
176,000-E
177,000-E
178,000-E
179,000-E
180,000-E
181,000-E
182,000-E
183,000-E
184,000-E
185,000-E
186,000-E
187,000-E
188,000-E
189,000-E
190,000-E
191,000-E
192,000-E
193,000-E
194,000-E
195,000-E
196,000-E
197,000-E
198,000-E
199,000-E
200,000-E
201,000-E
202,000-E
203,000-E
204,000-E
205,000-E
206,000-E
207,000-E
208,000-E
209,000-E
210,000-E
211,000-E
212,000-E
213,000-E
214,000-E
215,000-E
216,000-E
217,000-E
218,000-E
219,000-E
220,000-E
221,000-E
222,000-E
223,000-E
224,000-E
225,000-E
226,000-E
227,000-E
228,000-E
229,000-E
230,000-E
231,000-E
232,000-E
233,000-E
234,000-E
235,000-E
236,000-E
237,000-E
238,000-E
239,000-E
240,000-E
241,000-E
242,000-E
243,000-E
244,000-E
245,000-E
246,000-E
247,000-E
248,000-E
249,000-E
250,000-E
251,000-E
252,000-E
253,000-E
254,000-E
255,000-E
256,000-E
257,000-E
258,000-E
259,000-E
260,000-E
261,000-E
262,000-E
263,000-E
264,000-E
265,000-E
266,000-E
267,000-E
268,000-E
269,000-E
270,000-E
271,000-E
272,000-E
273,000-E
274,000-E
275,000-E
276,000-E
277,000-E
278,000-E
279,000-E
280,000-E
281,000-E
282,000-E
283,000-E
284,000-E
285,000-E
286,000-E
287,000-E
288,000-E
289,000-E
290,000-E
291,000-E
292,000-E
293,000-E
294,000-E
295,000-E
296,000-E
297,000-E
298,000-E
299,000-E
300,000-E
301,000-E
302,000-E
303,000-E
304,000-E
305,000-E
306,000-E
307,000-E
308,000-E
309,000-E
310,000-E
311,000-E
312,000-E
313,000-E
314,000-E
315,000-E
316,000-E
317,000-E
318,000-E
319,000-E
320,000-E
321,000-E
322,000-E
323,000-E
324,000-E
325,000-E
326,000-E
327,000-E
328,000-E
329,000-E
330,000-E
331,000-E
332,000-E
333,000-E
334,000-E
335,000-E
336,000-E
337,000-E
338,000-E
339,000-E
340,000-E
341,000-E
342,000-E
343,000-E
344,000-E
345,000-E
346,000-E
347,000-E
348,000-E
349,000-E
350,000-E
351,000-E
352,000-E
353,000-E
354,000-E
355,000-E
356,000-E
357,000-E
358,000-E
359,000-E
360,000-E
361,000-E
362,000-E
363,000-E
364,000-E
365,000-E
366,000-E
367,000-E
368,000-E
369,000-E
370,000-E
371,000-E
372,000-E
373,000-E
374,000-E
375,000-E
376,000-E
377,000-E
378,000-E
379,000-E
380,000-E
381,000-E
382,000-E
383,000-E
384,000-E
385,000-E
386,000-E
387,000-E
388,000-E
389,000-E
390,000-E
391,000-E
392,000-E
393,000-E
394,000-E
395,000-E
396,000-E
397,000-E
398,000-E
399,000-E
400,000-E
401,000-E
402,000-E
403,000-E
404,000-E
405,000-E
406,000-E
407,000-E
408,000-E
409,000-E
410,000-E
411,000-E
412,000-E
413,000-E
414,000-E
415,000-E
416,000-E
417,000-E
418,000-E
419,000-E
420,000-E
421,000-E
422,000-E
423,000-E
424,000-E
425,000-E
426,000-E
427,000-E
428,000-E
429,000-E
430,000-E
431,000-E
432,000-E
433,000-E
434,000-E
435,000-E
436,000-E
437,000-E
438,000-E
439,000-E
440,000-E
441,000-E
442,000-E
443,000-E
444,000-E
445,000-E
446,000-E
447,000-E
448,000-E
449,000-E
450,000-E
451,000-E
452,000-E
453,000-E
454,000-E
455,000-E
456,000-E
457,000-E
458,000-E
459,000-E
460,000-E
461,000-E
462,000-E
463,000-E
464,000-E
465,000-E
466,000-E
467,000-E
468,000-E
469,000-E
470,000-E
471,000-E
472,000-E
473,000-E
474,000-E
475,000-E
476,000-E
477,000-E
478,000-E
479,000-E
480,000-E
481,000-E
482,000-E
483,000-E
484,000-E
485,000-E
486,000-E
487,000-E
488,000-E
489,000-E
490,000-E
491,000-E
492,000-E
493,000-E
494,000-E
495,000-E
496,000-E
497,000-E
498,000-E
499,000-E
500,000-E
501,000-E
502,000-E
503,000-E
504,000-E
505,000-E
506,000-E
507,000-E
508,000-E
509,000-E
510,000-E
511,000-E
512,000-E
513,000-E
514,000-E
515,000-E
516,000-E
517,000-E
518,000-E
519,000-E
520,000-E
521,000-E
522,000-E
523,000-E
524,000-E
525,000-E
526,000-E
527,000-E
528,000-E
529,000-E
530,000-E
531,000-E
532,000-E
533,000-E
534,000-E
535,000-E
536,000-E
537,000-E
538,000-E
539,000-E
540,000-E
541,000-E
542,000-E
543,000-E
544,000-E
545,000-E
546,000-E
547,000-E
548,000-E
549,000-E
550,000-E
551,000-E
552,000-E
553,000-E
554,000-E
555,000-E
556,000-E
557,000-E
558,000-E
559,000-E
560,000-E
561,000-E
562,000-E
563,000-E
564,000-E
565,000-E
566,000-E
567,000-E
568,000-E
569,000-E
570,000-E
571,000-E
572,000-E
573,000-E
574,000-E
575,000-E
576,000-E
577,000-E
578,000-E
579,000-E
580,000-E
581,000-E
582,000-E
583,000-E
584,000-E
585,000-E
586,000-E
587,000-E
588,000-E
589,000-E
590,000-E
591,000-E
592,000-E
593,000-E
594,000-E
595,000-E
596,000-E
597,000-E
598,000-E
599,000-E
600,000-E
601,000-E
602,000-E
603,000-E
604,000-E
605,000-E
606,000-E
607,000-E
608,000-E
609,000-E
610,000-E
611,000-E
612,000-E
613,000-E
614,000-E
615,000-E
616,000-E
617,000-E
618,000-E
619,000-E
620,000-E
621,000-E
622,000-E
623,000-E
624,000-E
625,000-E
626,000-E
627,000-E
628,000-E
629,000-E
630,000-E
631,000-E
632,000-E
633,000-E
634,000-E
635,000-E
636,000-E
637,000-E
638,000-E
639,000-E
640,000-E
641,000-E
642,000-E
643,000-E
644,000-E
645,000-E
646,000-E
647,000-E
648,000-E
649,000-E
650,000-E
651,000-E
652,000-E
653,000-E
654,000-E
655,000-E
656,000-E
657,000-E
658,000-E
659,000-E
660,000-E
661,000-E
662,000-E
663,000-E
664,000-E
665,000-E
666,000-E
667,000-E
668,000-E
669,000-E
670,000-E
671,000-E
672,000-E
673,000-E
674,000-E
675,000-E
676,000-E
677,000-E
678,000-E
679,000-E
680,000-E
681,000-E
682,000-E
683,000-E
684,000-E
685,000-E
686,000-E
687,000-E
688,000-E
689,000-E
690,000-E
691,000-E
692,000-E
693,000-E
694,000-E
695,000-E
696,000-E
697,000-E
698,000-E
699,000-E
700,000-E
701,000-E
702,000-E
703,000-E
704,000-E
705,000-E
706,000-E
707,000-E
708,000-E
709,000-E
710,000-E
711,000-E
712,000-E
713,000-E
714,000-E
715,000-E
716,000-E
717,000-E
718,000-E
719,000-E
720,000-E
721,000-E
722,000-E
723,000-E
724,000-E
725,000-E
726,000-E
727,000-E
728,000-E
729,000-E
730,000-E
731,000-E
732,000-E
733,000-E
734,000-E
735,000-E
736,000-E
737,000-E
738,000-E
739,000-E
740,000-E
741,000-E
742,000-E
743,000-E
744,000-E
745,000-E
746,000-E
747,000-E
748,000-E
749,000-E
750,000-E
751,000-E
752,000-E
753,000-E
754,000-E
755,000-E
756,000-E
757,000-E
758,000-E
759,000-E
760,000-E
761,000-E
762,000-E
763,000-E
764,000-E
765,000-E
766,000-E
767,000-E
768,000-E
769,000-E
770,000-E
771,000-E
772,000-E
773,000-E
774,000-E
775,000-E
776,000-E
777,000-E
778,000-E
779,000-E
780,000-E
781,000-E
782,000-E
783,000-E
784,000-E
785,000-E
786,000-E
787,000-E
788,000-E
789,000-E
790,000-E
791,000-E
792,000-E
793,000-E
794,000-E
795,000-E
796,000-E
797,000-E
798,000-E
799,000-E
800,000-E
801,000-E
802,000-E
803,000-E
804,000-E
805,000-E
806,000-E
807,000-E
808,000-E
809,000-E
810,000-E
811,000-E
812,000-E
813,000-E
814,000-E
815,000-E
816,000-E
817,000-E
818,000-E
819,000-E
820,000-E
821,000-E
822,000-E
823,000-E
824,000-E
825,000-E
826,000-E
827,000-E
828,000-E
829,000-E
830,000-E
831,000-E
832,000-E
833,000-E
834,000-E
835,000-E
836,000-E
837,000-E
838,000-E
839,000-E
840,000-E
841,000-E
842,000-E
843,000-E
844,000-E
845,000-E
846,000-E
847,000-E
848,000-E
849,000-E
850,000-E
851,000-E
852,000-E
853,000-E
854,000-E
855,000-E
856,000-E
857,000-E
858,000-E
859,000-E
860,000-E
861,000-E
862,000-E
863,000-E
864,000-E
865,000-E
866,000-E
867,000-E
868,000-E
869,000-E
870,000-E
871,000-E
872,000-E
873,000-E
874,000-E
875,000-E
876,000-E
877,000-E
878,000-E
879,000-E
880,000-E
881,000-E
882,000-E
883,000-E
884,000-E
885,000-E
886,000-E
887,000-E
888,000-E
889,000-E
890,000-E
891,000-E
892,000-E
893,000-E
894,000-E
895,000-E
896,000-E
897,000-E
898,000-E
899,000-E
900,000-E
901,000-E
902,000-E
903,000-E
904,000-E
905,000-E
906,000-E
907,000-E
908,000-E
909,000-E
910,000-E
911,000-E
912,000-E
913,000-E
914,000-E
915,000-E
916,000-E
917,000-E
918,000-E
919,000-E
920,000-E
921,000-E
922,000-E
923,000-E
924,000-E
925,000-E
926,000-E
927,000-E
928,000-E
929,000-E
930,000-E
931,000-E
932,000-E
933,000-E
934,000-E
935,000-E
936,000-E
937,000-E
938,000-E
939,000-E
940,000-E
941,000-E
942,000-E
943,000-E
944,000-E
945,000-E
946,000-E
947,000-E
948,000-E
949,000-E
950,000-E
951,000-E
952,000-E
953,000-E
954,000-E
955,000-E
956,000-E
957,000-E
958,000-E
959,000-E
960,000-E
961,000-E
962,000-E
963,000-E
964,000-E
965,000-E
966,000-E
967,000-E
968,000-E
969,000-E
970,000-E
971,000-E
972,000-E
973,000-E
974,000-E
975,000-E
976,000-E
977,000-E
978,000-E
979,000-E
980,000-E
981,000-E
982,000-E
983,000-E
984,000-E
985,000-E
986,000-E
987,000-E
988,000-E
989,000-E
990,000-E
991,000-E
992,000-E
993,000-E
994,000-E
995,000-E
996,000-E
997,000-E
998,000-E
999,000-E
1,000,000-E

OFFICIAL COPY
O. M. E.
RECEIVED
1966
INITIALS CODE


Section 8
Section 9
Section 17
Section 16
Cottonwood 4
Cottonwood 1
Cottonwood 2
Cottonwood 3
Silvertone 1
Silvertone 2
Silvertone 4
Silvertone 3
Fox Creek
Flume Creek
1500
1750
2000
2250
1250
1200
Busty Belle Mines
Fairbanks, Alaska
Lode Claims
Scale 1" = 1000' approx.
(996)
OFFICIAL COPY
D. M. S.
RECEIVED
MAR 3 1908

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LIVENGOOD (A-2) QUADRANGLE
ALASKA-FOURTH JUDICIAL DIVISION
1:63 360 SERIES (TOPOGRAPHIC)

Cottonwood Group

Silvertone Group

BUSTY BELLE MINES, INC.
Fairbanks, Alaska

Index of Lode Claims

2/19/66

OFFICIAL
COPY
O. M. E.
RECEIVED
MAR 2 1966
INITIALS CODE

Mapped, edited, and published by the Geological Survey

Control by USGS, USC&GS and USCE

Topography from aerial photographs by photogrammetric methods 1951
Aerial photographs taken 1949. Culture revised 1955 from aerial photographs taken 1954. Map not field checked

Universal Transverse Mercator projection 1927 North American datum
1000-meter Universal Transverse Mercator grid ticks, zone 6, shown in blue

Red tint indicates areas in which only landmark buildings are shown

Land lines printed in gray represent unsurveyed and unmarked locations predetermined by the Bureau of Land Management
Folios F6, 7, 9 and 10
Dashed land lines indicate approximate locations

Swamps, as portrayed, indicate only the wetter areas, usually of low relief, as interpreted from aerial photographs

Unchecked elevations are shown in brown and blue

APPROXIMATE MEAN DECLINATION, 1955

SCALE 1:63360

CONTOUR INTERVAL 50 FEET
DOTTED LINES REPRESENT 25 FOOT CONTOURS
DATUM IS MEAN SEA LEVEL

FOR SALE BY U.S. GEOLOGICAL SURVEY
FAIRBANKS, ALASKA DENVER 25, COLORADO WASHINGTON 25, D.C.
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

QUADRANGLE LOCATION

ROAD CLASSIFICATION
Medium-duty Light-duty
Unimproved dirt
State Route

FAIRBANKS (D-2), ALASKA
N6445—W14730/15X30

1955
MINOR REVISIONS 1959