DMEA Form 9

UNITED STATES
DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration

OFFICIAL DOCKET FILE

DMEA NO. 4007

Application (Denied
(Withdrawn
(After disposition, delete items not applicable)

Contract (Terminated - not Certified
(Cancelled ✓
(Terminated - Certified
(Royalty Agreement

This is the official contract file containing all official records of the project. The records contained in the files are checked and are arranged in this order:

**Left Side**

Interim Royalty Audits
Reports of Royalty Review
Certification of Discovery
Certificate of Audit (Final)
Interim Audit(s)
Report of Review
Termination Notice or Agreement
✓ Recision Notice - 10/11/57
Assignment of Contract
Contract Amendments (latest on top)
✓ Contract with all exhibits and annexes
✓ Owner's Consent to Lien
Subordination Agreement
Leases and assignments of leases
✓ Application and attachments
(3) Envelope for maps

**Right Side**

Project summary
Work completed analysis
All other material is filed in chronological order with correspondence including the following reports as checked:

Final Field Team Report (Tab)
Operator's Final Report
([redacted]) ✓ Interim Reports
(2R) Operator's monthly reports and all attachments (latest on top)
✓ On-site Exam Report(s) (Tab)
(4) Settlement Sheets

When the volume of records is expected to warrant additional folders, or when convenience of reference warrants separate folders for certain records, they should be set up in this order:

**Left Side**

Folder No. 2: (In chron. order)
Interim Summary Reports by W. O. Engineers

**Right Side**

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

Folder No. 3: Maps (Use pocket folder or envelope. Fold maps with title block out and show reference to related document or correspondence.)

Folder No. 4: Settlement Sheets

Folder No. 5: Drill Logs

9775

Government's copy

Butler
Dunger
Appr. Con. Off.
Rheinschild
Brizendine
Chambers
Selfridge
Johnson

RESCISSION OF EXPLORATION PROJECT CONTRACT

It is agreed this 11th day of October, 1957, between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, and Seagraves Mining Company, Inc., an Idaho corporation, parties to that certain Exploration Project Contract No. Idm-E1017 (Docket No. DMEA-4007), dated October 11, 1956, that said Contract is hereby rescinded, revoked, and cancelled as of the date thereof, before any work has been performed or any costs have been incurred thereunder, without any obligations whatever one party to the other, the same as if the Contract had never been entered into.

Executed in quintuplicate the day and year first above written.

THE UNITED STATES OF AMERICA

By C F Mitteudorf
Administrator, Defense Minerals
Exploration Administration

SEAGRAVES MINING COMPANY, INC.

By J L Barner

Title Secretary

DMEA
RECEIVED

Docket Copy

RECEIVED DEC 18 1956 D.M.E.A.

MF-200
(Revised June 1954)

Docket No. DMEA 4007

Commodity Lead-Zinc

Contract No. Idm-E 1017

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

## EXPLORATION PROJECT CONTRACT[1]

OCT 11 1956

It is agreed this ..... day of ....., 195...., between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, hereinafter called the "Government," and [2] Seagraves Mining Company, Inc., an Idaho corporation, whose mailing address is 3439 N. E. Sandy Boulevard, Portland 13, Oregon, hereinafter called the "Operator," as follows:

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

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

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

(b) The Operator represents and undertakes that:

(1) The Operator is the [4] lessee-optionee of [5] the mineral rights in the land, in possession and entitled to possession for all of the purposes of this contract, under and by virtue of a [6] lease-option, [7] recorded in Book -, page -, official records of said County; and

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

(c) The Subordination Agreement of the holder of any claim, lien, or encumbrance listed above, and (if the Operator does not hold the legal title) the Consent to Lien of any holder of the legal title

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

of the land (lessor, seller, optionor, etc.), are attached, as follows: Consent to Lien of owners

(d) The Operator shall preserve and maintain his right, title, and interest in the land and his right to the possession thereof for the purposes of this contract, and shall devote the land and all existing improvements, facilities, buildings, installations, and appurtenances to the purposes of this contract. Until the lapse of the time within which the Government may make a certification of discovery or development without any such certification having been made, and after any such certification has been made, the Operator shall neither transfer, convey, nor surrender the land nor any right, title, or interest therein, nor permit nor suffer any claim, lien, or encumbrance thereon, without expressly referring to and providing in the instrument of conveyance, lien, or encumbrance for the preservation of the Government's right to a percentage royalty on production and lien for the payment thereof. If the Government makes no certification of discovery or development within the time limited in Article 8, it shall thereafter have no claim against the land or any production therefrom except for any production referred to in Article 8(b)(1).

ARTICLE 3. *The exploration project.*—The project is a search for indicated or undeveloped deposits of lead and zinc. The work to be performed is described in Exhibit "A." The Operator on or before JUL 15 1957 shall commence the work, and on or before SEP 15 1957 (unless the Operator's obligation to prosecute the work is terminated—see Article 10) shall either have completed the work or shall have incurred allowable costs (see Article 6) in a sum not less than the estimated total allowable cost set forth in Exhibit "A."

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

(b) *Independent contracts.*—To the extent that the allowable costs are estimated in Exhibit "A" with express reference to performance by independent contractors on a unit-price basis (such as per foot of drilling, per foot of drifting, per hour of bulldozer operations), the work may be so performed; but if the reference in Exhibit "A" to any such independent contract requires the Government's approval thereof, payments under such contract will not be allowable costs unless the Government gives its written approval of the contract. Any such independent contract shall refer to some specific and identifiable part of the work, and shall be subject to all of the pertinent terms and conditions of this exploration contract; but the Government shall not be considered a party thereto, and its rights under this contract, including the right to terminate its contributions, shall not be affected thereby. Regardless of the provisions of any such independent contract and regardless of the Government's approval thereof, the Government will participate in payments to the independent contractor only on account of work performed in accordance with the provisions of this exploration project contract, and only to the extent that the Government deems the unit prices for the work under the independent contract to be reasonable.

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

ARTICLE 5. *Contribution by the Government.*—The estimated total allowable cost of the project, set forth in Exhibit "A," is the sum of $9,960.00. The Government shall contribute 50 percent of the allowable costs as they are incurred in a total sum not in excess of $4,980.00: *Provided,* That until the Operator has rendered to the Government his final report, and any final auditing required by the Government has been made, and a final settlement of the contract has been made, the Government may withhold from the last

voucher or vouchers such sums as it sees fit not in excess of 10 percent of the estimated total cost of the work or not in excess of the amount of the Government's contribution to the cost of property which is or may become subject to disposal as provided in Article 9(c), whichever is greater. The Government will make its contribution on the basis of the monthly vouchers referred to in Article 7(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. "Costs incurred" mean costs that have been paid or have become due and payable, or that in the opinion of the Government have become an obligation. The Government may make payments directly to independent contractors and suppliers for the account of the Operator rather than to the Operator.

ARTICLE 6. *Estimated costs.*—(a) *Categories of costs.*—The allowable costs of the work to which the Government shall contribute are limited to those that are direct, reasonable, necessary, and that are estimated in Exhibit "A" by categories as specified in this article. If any category or subcategory is omitted from the estimate of costs, or if the word "none" is annexed to the listing thereof, costs under such category or subcategory are not allowable. Any excess over any estimate which is indicated as the maximum of any category, subcategory, or item, either as to requirement or related cost, and any excess over the estimated total allowable cost of the work, shall not be allowable. Any excess over the estimate of any category, subcategory, or item, either as to requirement or related cost, not indicated as a maximum shall be allowable within the limit of the estimated total allowable cost of the work. To the extent that excesses over maximums other than the estimated total allowable cost of the work may be necessary for the performance of the work, the Operator shall incur such excesses for his own account without contribution by the Government; but except for any such necessary excesses in categories, subcategories, or items thereunder the Operator is not obligated to incur more than his agreed percentage of the estimated, total allowable cost of the work.

To the extent specified in this article or in Exhibit "A" the following categories, subcategories, and elements thereof are maximums; but if not so specified either here or in Exhibit "A" they are not maximums, and may be exceeded within the limit of the estimated total allowable cost of the work:

CATEGORY (1)—INDEPENDENT CONTRACTS.—Work to be performed under independent contracts (see Article 4(b)). The estimated total amount of this category and the estimated cost of each unit of work for performance under an independent contract are maximums.

CATEGORY (2)—PERSONAL SERVICES.

*Subcategory (a)—Supervision.*—All elements of this subcategory (number of supervisors, periods of employment, rates of pay, and total) are maximums.

*Subcategory (b)—Technical services.*—All elements of this subcategory (number of technicians, periods of employment, rates of pay, and total) are maximums.

*Subcategory (c)—Labor.*

CATEGORY (3)—OPERATING MATERIALS AND SUPPLIES.—Includes such items as drill bits and steel, explosives, fuel, pipe, power, small tools costing less than $50 each, timber, track.

CATEGORY (4)—OPERATING EQUIPMENT.

*Subcategory (a)—Rental.*—The number of each object to be rented [6 mine cars, 1 truck], the rate of rental [$100 per month, $5 per hour], and the total of this subcategory are maximums.

*Subcategory (b)—Purchases.*—The estimated total of this subcategory is a maximum.

*Subcategory (c)—Depreciation.*—All elements of this subcategory (time periods, rate of depreciation, and subcategory total) are maximums.

CATEGORY (5)—INITIAL REHABILITATION AND REPAIRS.—Estimates under this category include all requirements and related costs, such as labor, materials and supplies, and supervision at a rate not higher than provided for in Category (2), and shall not be duplicated under any other category. The estimated total of this category is a maximum.

*Subcategory (a)—Initial rehabilitation and repairs of existing buildings, fixtures, and installations (exclusive of mine workings).*—The estimated total of this subcategory is a maximum.

*Subcategory (b)—Initial rehabilitation and repairs of operating equipment.*—The estimated total of this subcategory is a maximum.

CATEGORY (6)—NEW BUILDINGS, FIXTURES, AND INSTALLATIONS (EXCLUSIVE OF MINE WORKINGS).—Estimates under this category include all requirements and related costs, such as labor, materials and supplies, and supervision at a rate not higher than provided for in Category (2), and shall not be duplicated under any other category. The estimated total of this category is a maximum.

CATEGORY (7)—MISCELLANEOUS.—Repairs and maintenance (other than initial) of operating equipment, analytical work, prints and other reproductions, accounting, Operator's share of payroll taxes, liability insurance covering employment, travel, communications, and any other items of requirement or cost that do not fall within any of the first 6 categories.

THE ESTIMATED TOTAL ALLOWABLE COST of the work is a maximum.

(b) *Nonallowable costs.*—The following costs are not allowable for contribution by the Government:

(1) *Costs of the land,* such as rental, depreciation, depletion, or other cost of acquiring, owning, or holding possession;

(2) *Indirect costs,* such as general overhead, corporate management, interest, taxes (other than payroll and sales taxes), insurance (other than liability insurance covering employment), damages to persons, damages to property (other than necessary repairs or replacements of equipment or other property used in the work);

(3) *Previous work* performed or costs incurred before the date of this contract; and

(4) *Deferred payments.*—Any costs incurred by the Operator under any rental-purchase agreement, installment-purchase agreement, or any agreement for the purchase of goods under the provisions of which payment of the full purchase price is deferred more than 90 days from the delivery of the goods; unless the purchase agreement is approved by the Government in writing.

(c) *Reductions in costs.*—The Operator shall account for and give the Government credit for any incidental benefits, credits, or money received in the ordinary course of business in prosecuting the work (as by salvage or sale of materials or equipment, furnishing of room or board, furnishing of power or services to third persons, rebates or discounts on purchases, etc.), in the same ratio in which the Government contributes to costs; and such amounts shall be treated as a reduction in costs incurred so that they are available for use within the limit of the original estimated total cost. This provision does not apply to receipts from production which are subject to the Government's percentage royalty under the provisions of Article 9.

ARTICLE 7. *Reports, accounts, audits.*—(a) *Operator's records.*—The Operator shall keep suitable records and accounts of the 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. If the Government elects to audit said records and accounts relating to the exploration work by certified public accountant, it may do so as a cost of the work to which the Operator shall contribute. The Comptroller General of the United States or his representative, until the expiration of said three-year periods, shall have access to and the right to examine any pertinent books, documents, papers, and records of the Operator. All of the Operator's vouchers and records and accounts relating thereto and the Government's payments thereof remain subject to adjustment until final audit by the Government. If work under this contract is carried on in conjunction with any other operations, or if labor, supervision, services, materials, supplies, equipment, facilities, or other requirements for carrying on the work are also used in connection with other operations, the costs shall be segregated and accounted for on a basis and by methods and accounts that are satisfactory to and approved by the Government.

(b) *Progress reports and vouchers.*—The Operator shall provide the Government with five copies of monthly progress reports in three sections as follows: (1) Operator's Monthly Report and Voucher showing detailed costs incurred during the reporting period; (2) Operator's Unit Cost and Progress Report showing the various types of work performed during the reporting period and costs incurred for each type of work; and (3) a Narrative Report of the work performed during the reporting period including adequate engineering-geological maps or sketches, drill hole logs and locations, and assay reports on samples taken concurrently with advance in mineralized ground. (Forms for reporting under (1) and (2) above will be provided by the Government.)

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

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

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

ARTICLE 8. *Repayment by Operator.*—(a) *Certification.*—If the Government considers that a discovery or development from which production may be made has resulted from the work, the Government, at any time not later than six months after a sufficient final report and final account (see Article 7) has been rendered, may so certify in writing to the Operator. Such certification shall describe broadly or indicate the nature of the discovery or development.

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

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

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

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

One and one-half (1½) percent of amounts ("gross proceeds" or "value") not in excess of eight dollars ($8.00) per ton of production in the form in which sold, held, or used, plus one-half (½)

percent for each additional full fifty cents ($0.50) by which such amounts exceed eight dollars ($8.00) per ton, but not in excess of five (5) percent of such amounts.

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

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

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

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

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

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

ARTICLE 9. *Interests in purchased property.*—(a) *Title and ownership.*—All costs under this contract shall be incurred by the Operator in the Operator's own name and for the Operator's own account; but any property acquired to the cost of which the Government contributes shall belong to the Operator and the Government jointly in proportion to their respective contributions, although title thereto shall be taken in the name of the Operator.

(b) *Preservation of property.*—Until the final disposal of any property in which the Government has an interest the Operator shall preserve and protect same for the best interest of the Government, any reasonable and necessary costs thereof to be treated as an allowable cost of the project. After the completion of the work or termination of the Government's obligation to contribute, or when such property is not in use for or needed for the work, the Operator shall neither use it without the written consent of the Government nor without paying a reasonable rental to be fixed by the Government for its interest.

(c) *Disposal of property.*—Upon the completion of the work or termination of the Government's obligation to contribute to costs, or when the property is no longer needed for the work, the Operator shall promptly dispose of salable or salvageable property in which the Government has an interest for the joint account of the Government and the Operator, either by return to the vendor, by sale to others, or purchase by the Operator or the Government at a price at least as high as could be obtained from others, unless the Government in writing waives its interest in any such property. Without advance approval of the sales price by the Government the Operator shall not sell at any price any item of property the cost of which was more than $500, and shall not sell at less than 25 percent of the purchase price any item of property which cost $500 or less. The Government, in lieu of approving the sales price for any such item, may itself purchase the item at the best price which the Operator is able to obtain or himself cares to give. Property remaining upon any termination of the work shall be considered in groups or categories (such as drill steel, or explosives, or pipe, or rails), and if the original cost of the remaining unexpended portion of any such group or category is less than $50, the Government waives its interest therein. If necessary to accomplish the disposal of any item the Operator shall dismantle and sever it from the land, the cost thereof to be treated as a cost of the project.

(d) *Default of the Operator re disposal.*—If within 90 days after the completion of the work or termination of the Government's obligation to contribute to costs, or after the property is no longer needed for the work, or after such further time as the Government may in writing allow, the Operator has failed to sell or otherwise liquidate or dispose of any property in which the Government has an interest, the Government, at any time prior to final settlement under the contract, may pursue one of the following two courses: (1) the Government, by written notice to the Operator, may place upon such property what in its opinion is a fair valuation thereof, not in excess of the cost less 1.66 percent per month from the

date such property was purchased under this contract to the termination of said 90-day period; and such property shall thereupon be considered and accounted for as having been purchased by the Operator at the valuation so fixed by the Government; or (2) the Government may enter and take possession of such property wherever it may be found, and remove and dispose of it for the joint account of the parties.
**See Article 13.**

ARTICLE 10. *Termination of the Government's obligations.*—(a) If in the opinion of the Government operations at any time have failed to achieve anticipated results that indicate the probability of making a worthwhile discovery, and in the opinion of the Government further operations are not justified, the Government may give the Operator written notice thereof, and thereupon: (1) the Government shall be free of all obligation to contribute to costs not then incurred other than such as may be allowable under the provisions of the contract as necessary and incidental to winding up, reporting, and accounting; and (2) the Operator shall be free of all obligation to prosecute the work other than such as may be necessary and incidental to winding up, reporting, and accounting.

(b) If in the opinion of the Government the Operator is in any manner in default under the terms of the contract, the Government may give the Operator written notice of such default with a specification of reasonable time within which the default must be cured; and if the Operator fails to cure such default as required, thereupon: (1) the Government shall be relieved of all obligation to contribute to costs not incurred when the notice was given, other than such as may be allowable by the provisions of the contract as necessary and incidental to winding up, reporting, and accounting; and (2) the Operator shall be free of all obligation to prosecute the work other than such as may be necessary and incidental to winding up, reporting, and accounting. The remedy provided for the Government in this paragraph "(b)" is in addition to any other remedy provided in this contract, and in addition to any other remedy the law may provide for breach of contract.

(c) The giving of any notice by the Government under the provisions of this Article 10 shall not affect the Government's rights as provided for in the contract with respect to a percentage royalty, and such rights shall be fully preserved.

ARTICLE 11. *Notices to be given by the Government* may be delivered to the Operator, or may be sent by registered mail addressed to the Operator at his mailing address stated in this contract. If mailed, notices are deemed to have been delivered five days after the date of mailing.

ARTICLE 12. *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 13. *Changes and added provisions.*—

**Upon completion of the work or termination of the contract the provisions of Article 9 shall not apply to the Operating Materials and Supplies scheduled in Exhibit "A".**

Pubic Lands
Appd. Sol. Office
Misuse
Chamber

Executed in sextuplicate the day and year first above written.

THE UNITED STATES OF AMERICA

By O P Mitchendorf
Administrator, Defense Minerals
Exploration Administration

SEAGRAVES MINING COMPANY, INC.
(Operator)

By D L Warner, Secretary

12/11/56

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

D L Warner

[ CORPORATE SEAL ]

U. S. GOVERNMENT PRINTING OFFICE 16—70617-1

EXPLORATION PROJECT CONTRACT
SEAGRAVES MINING COMPANY, INC.
DOCKET NO. DMEA-4007

## ANNEX I

The land referred to in Article 2 consists of six unpatented lode mining claims situated in the Seafoam Mining District, Custer County, Idaho.

Notices of Location of said claims are recorded at the Custer County Courthouse, Challis, Idaho, as follows:

| Claims | Book No. | Page |
|---|---|---|
| Silver King No. 1 | 12 | 548 |
| Silver King No. 2 | 12 | 549 |
| Silver King No. 3 | 12 | 550 |
| Silver King No. 4 | 12 | 551 |
| Lone Star (Star) No. 1 | 12 | 366 |
| Lone Star (Star) No. 2 | 12 | 366 |

The claims are shown on the attached map entitled "Geologic Map of the Lone Star Workings, Seagraves Mining Co., Seafoam Mining District, Custer County, Idaho."

MF-203
Revised March 24, 1955

**COPY**

For Government's Use Only
EXPLORATION PROJECT CONTRACT
Operator Seagraves Mining Company, Inc.
Docket No. DMEA- 4007
Contract No. Idm-E 1017
Contract Date OCT 1 1 1956

CONSENT TO LIEN

To the United States of America:

Referring to that certain land in the County of Custer, State of Idaho, described as follows:1/

6 mining claim locations in the Seafoam Mining District located in the northwestern portion of Custer County, Idaho, centered in township 14 N, Range 11 E Boise Meridan (See attached report page 3 & maps.) Silver King Claims #1, 2, 3 & 4 recorded Book 12, pages 548, 549, 550 & 551. Star & Star #1 Claims recorded Book 12, page 366.

which is the subject of a proposed exploration project contract, hereinafter called the "contract," with the United States of America, hereinafter called the "Government;" in consideration of the contract and as an inducement to the Government to enter into it, the undersigned hereby--

1. 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;

2. Grants to the Government a lien upon all of the undersigned's right, title, and interest in the land and upon any production of minerals therefrom to secure the payment to the Government of a percentage royalty on production as may be provided for by the contract;2/ and represents and undertakes that there are no claims, liens, or encumbrances upon the undersigned's right, title, or interest in the land prior to that hereby granted to the Government other than the following:3/

None

3. Undertakes and agrees neither to commit any act nor assert any claim in conflict with the provisions of this Consent to Lien; and to give advance notice of the Government's rights under this Consent to Lien to any subsequent transferee, mortgagee, encumbrancer, or lessee of any of the undersigned's right, title, or interest in the land; and

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

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

3/ Write "none" if that is the case. Do not leave lines blank.

4. Consents to all amendments and assignments of the contract without notice thereof, and agrees that this Consent to Lien shall extend and apply thereto.

5. Added provision: None

Dated this 29th day of September, 1955.

/s/ Paul Sugasa /s/ Mary Sugasa [Seal] /s/ W. T. Harmon
W.T.Harmon, Pres. of
/s/ James Seagraves /s/ Emogean Seagraves [Seal] Seagraves Mining Co Inc.

/s/ Isrel Seagraves [Seal]

I, V. D. Warner certify that I am the Secretary (Secretary, etc.) of the corporation named herein; that W.T.Harmon who signed this agreement was then President (President or Vice-President, 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.

/s/ V. D. Warner
V. D. Warner [Corporate Seal]

NOTE: Paul Sugasa, Mary Sugasa, James Seagraves, Emogean Seagraves and Isrel Seagraves have signed this agreement as partners in ownership of the subject claims. W.T.Harmon, President, has signed the agreement for Seagraves Mining Co, Inc. which Company is requesting the loan and which Company is the Lessee of the subject claims with option to purchase.

EXPLORATION PROJECT CONTRACT
SEAGRAVES MINING COMPANY, INC.
DOCKET NO. IMEA-4007

EXHIBIT "A"

Description of the Work

The purpose of the project is to explore for ores of lead and zinc by diamond core drilling, EX size or larger, not more than three holes aggregating not to exceed 1,000 feet. Holes shall be cemented and redrilled as necessary.

The locations, directions, inclinations, and depths of all holes are subject to prior approval of the Government. The approximate hole locations are shown on the attached geologic map.

All drill holes shall be logged, and all drill core shall be made available to the Government for examination. All significantly mineralized core shall be properly assayed for gold, silver, lead, and zinc. All assays, together with proper logs of drill holes, shall be reported to the Government, together with proper plan maps and sections showing the progress of the work.

Estimated Cost of the Work
(In addition to the maximums set forth in the Contract form an asterisk indicates maximum.)

Category (1) Independent Contracts

| | | | |
|---|---|---|---|
| 1,000 feet of diamond drilling | @ $5.75/ft. | $5,750.00 | |
| Cementing and redrilling, 100 feet | @ $2.65/ft. | 265.00 | |
| Moving of drilling equipment off and on project site @ $100.00/each move | | 200.00 | $6,215.00 |

Category (2) Personal Services

Subcategories (a) and (b) Supervision and Technical Services

| | | |
|---|---|---|
| 1 | Supervisor, foreman, mechanic, 2 months @ $500.00/mo. | $1,000.00 |
| 1 | Engineering-geological consultant, 8 days @ $50.00/da. | 400.00 |

Subcategory (c) Labor

| | | |
|---|---|---|
| 1 Diamond drill helper, 50 days @ $16.00/da. | $ 800.00 | $2,200.00 |

Category (3) Operating Materials and Supplies x/

| | | |
|---|---|---|
| 250 feet of two-inch pipe @ $0.45/ft. | $ 56.25* | |
| 250 feet of one-inch pipe @ $0.21/ft. | 26.25* | |
| Water tank and fittings | 50.00* | |
| Core and sludge boxes | 150.00* | |
| 1,250 gallons Diesel fuel @ $0.21/gal. | 262.50 | |
| Lubricants | 40.00 | 585.00* |

Category (4) Operating Equipment

Subcategory (a) Rental

| | | |
|---|---|---|
| 1 Pickup truck, 50 days @ $10.00/da. | $ 500.00 | |

Subcategory (b) Purchases None

Subcategory (c) Depreciation

| | | |
|---|---|---|
| 1 445 CFM air compressor, 2 months @ $133.34/mo. | 266.68 | |
| 1 Air receiver, pipe and fittings, 2 months @ $9.50/mo. | 19.00 | 785.68 |

Category (5) Initial Rehabilitation and Repairs None

Category (6) New Buildings, Fixtures, and Installations None

Category (7) Miscellaneous

| | | |
|---|---|---|
| Unemployment compensation, insurance, etc. | $ 129.32 | |

x/ The Government will contribute to not more than one-half the estimated costs of the scheduled Operating Materials and Supplies, other than fuel and lubricants, and upon completion of the work or termination of the contract shall have no interest in any salable or salvageable material.

| | | |
|---|---|---|
| 10 Samples assayed @ $4.50/sample | $ 45.00 | $ 174.32 |
| Estimated Total Cost of Project | | $9,960.00 |
| Government Participation @ 50% | | $4,980.00 |

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

~~WASHINGTON 25, D.C.~~
So. 157 Howard Street
Spokane 4, Washington

RECEIVED
OCT 6 - 1955

October 3, 1955

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

Re: New application (lead-silver-zinc)
Seagraves Mining Company
Seagraves Mine
Custer County, Idaho

Dear Mr. Selfridge:

Enclosed are the original and two copies of an application submitted by the Seagraves Mining Company. We have retained one copy for our files.

A field examination has been scheduled by J. J. Quinlan, Geological Survey, who is now in the central Idaho area.

Sincerely yours,

Verne C. Fryklund Jr.

Verne C. Fryklund, Jr.
For: A. E. Weissenborn
Executive Officer, DMEA
Field Team, Region I, NW Dist.

Enclosure as above

cc: USBM (2)
Quinlan

RECEIVED
OCT 6 - 1955

Seagraves Mining Co., Inc.
3439 N.E. Sandy Blvd
Portland 13, Oregon
September 29, 1955

The Defense Minerals Administration
Department of the Interior
South 157, Howard Street
Spokane 4, Washington

DMEA

Gentlemen:

Enclosed herewith in quadruplicate are your forms MF-103 and MF-203 with supporting maps and reports which are being filed with your office for the purpose of securing aid in financing the development of Lead and Silver Claims in Custer County Idaho.

Due to the seasonable weather in the Mine locality time is of the essence and we would greatly appreciate your expediting this report to the extent that your Geologist might reach our Mine yet this season. Please contact James Seagraves, Hailey, Idaho, (telephone Hailey 1-83J) and he will escort any interested parties to the location.

Please be advised that it is not necessary to return any of the enclosed maps or reports.

For further information regards this application please write to:

V.D. Warner, Secretary
Seagraves Mining Co., Inc.
3439 N.E. Sandy Blvd.
Portland 13 Oregon
(Telephone Portland BElmont 4-9317)

Very truly yours,

Seagraves Mining Co., Inc.

by V. D. Warner
Secretary

copy 3 pd
Sent to Quinlan
Original to Hailey 9/30
Also wired him about
telephone
EMP

RECEIVED
SEP 1955
WASH.

MF-103
(Revised April 1952)

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

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

RECEIVED
OCT 6 - 1955

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

RECEIVED
SEP 30 1955
U.S.G.S.
SPOKANE, WASH.

*Not to be filled in by applicant*

Docket No. DMEA 4007
Metal or Mineral Lead-Zinc-Silver
Date Received 10-6-55
Estimated Cost 12,566.10
Participation (Government %)

## INSTRUCTIONS

1. *Name of applicant.*—(*a*) State here your full legal name, in the form in which you will wish to contract, and your mailing address: Seagraves Mining Co., A Corporation incorporated in State of Idaho
3439 N.E. Sandy Blvd. Portland 13 Oregon
W.T. Harmon, Pres. 3439 NE Sandy Portland, Ore.
V.D. Warner, Sec.-Treas. 3439 NE Sandy Portland, Ore.
Mark Hathaway, Vice Pres. 1710 N.E. 42nd Portland, Ore.

(*b*) If other than an individual, add to your name above whether a corporation, partnership, etc., and the name of the State in which incorporated or otherwise organized.

(*c*) If a corporation, add to above statement, titles, names and addresses of officers.

(*d*) If a partnership, add to the above statement the names and addresses of all partners.

2. *General.*—Read DMEA Order 1, "Government Aid in Defense Exploration Projects," before completing this application. Submit this application and all accompanying papers in quadruplicate (four copies), with your name and address on each sheet of the application and on all accompanying papers. Where sufficient space is not provided on the form for all required information, state it on an accompanying paper, with a reference in each case to the instruction to which it refers by number. Comply with all applicable instructions; or, if not applicable, so state. File the application with Defense Minerals Exploration Administration, Department of the Interior, Washington 25, D. C., or with the nearest field executive officer thereof.

3. *Applicant's property rights.*—(*a*) State the legal description of the land upon which you wish to explore, including all land which you possess or control that may be benefited by the exploration, and excluding any land or interest in land which is not to be included in the exploration project contract 6 mining claim locations in the Seafoam Mining District located in the northwestern portion of Custer County Idaho, centered in township 14 N, Range 11 E Boise Meridan (See Maps & Page 3 attached) Silver King Claims #1, 2, 3 & 4 recorded Book 12, Pages 548,549,550 & 551. Star & Star #1 Book 12, Page 366.

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

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

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

(*e*) If you own the land, describe any liens or encumbrances on it Land not owned

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

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

(*b*) State past and current production, and ore reserves, if any, giving quantities and grades. No production

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

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

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

16—66551-1

5. *The exploration project.*—(*a*) State the mineral or minerals for which you wish to explore Lead, Silver & Zinc

(*b*) Describe fully the proposed work, including a map or sketch of the property showing a plan (and cross sections if needed) of any present mine workings, and the location of the proposed exploration work as related to such features as contacts, veins, ore-bearing beds, etc. Reports and Maps # 4 and # 5 attached

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

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

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

(*a*) *Independent contracts.*—(Note.—If the applicant does not intend to let any of the work to contractors, write "none" after this item. To the extent that the work is to be contracted, do not repeat the cost of the contract-work in subsequent items.) State the cost of any proposed independent contracts for the performance of all or any part of the work, expressed in terms of units of work (such as per foot of drilling, per foot of drifting, per hour of bulldozer operations, per cubic yard of material moved, etc.). Item 6 covered by attached report

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

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

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

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

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

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

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

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

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

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

[XX] Money [XX] Use of equipment owned by you [ ] Other

Explain in detail on acompanying paper.
Detail report attached

## CERTIFICATION

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

Dated September 29, 1955, 195..

Seagraves Mining Co., Inc.
(Applicant)

By V. D. Warner
V. D. Warner, Secy.

W. T. Harmon
W. T. Harmon, Pres.

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

U. S. GOVERNMENT PRINTING OFFICE 16—66551-1

SEAGRAVES MINING CO., INCORPORATED
ACCOUNTING OFFICES - 3439 N.E. SANDY BLVD
PORTLAND, OREGON

RECEIVED
OCT 6 - 1955

TO BE ATTACHED TO AND BECOME A PART OF FORM MF - 103.

4. (a) (1) Exploratory adit and sloping winze on upper workings- adit on vein 80 ft.- winze to depth of 25 ft.

(2) Exploratory adit 220 ft.

(3) Exploratory cross cut adit 400 ft. and 40 ft. additional drill hole - Numerous exploratory holes and short adits on Northwesterly slope of Seafoam Creek. There are no Production facilities on the property. The 400 ft. adit and 40 ft. drill hole were excavated by us, the Seagraves Mining Co., Inc. The mine operations are accessible by road and trail.

(b) No production and no ore reserves.

(c) Geologic Fixtures - (also see maps & sketches) Fissure in limestone in area of granitic and dioritic intrusivious vein contains principally lead, silver and zinc minerals with a trace of copper & small value in gold. At the point of discovery, as indicated on map, a 6 inch vein was found. In drifing south easterly along its course the fissure widened as did the vein. A sloaping winze to a depth of 25 ft. disclosed a vein width in excess of 5 ft. carrying lead, silver, zinc & gold values (as indicated in the attached data) totalling $133.54 T. We wish to further explore this deposit in depth to prove its commercial possibilities.

(d) From Stanley, Idaho to the mine is 41 miles of which 20 miles are over U.S. Forest Roads via Seafoam Ranger Station. Supply points are Stanley or Hailey Idaho 127 miles distant. Residence point must of necessity be at the base of operations. The railroad is at Ketchum, Idaho, a distance of 113 miles.

(e) Manpower and materials and supplies are available locally or in Hailey Idaho. Timber is available on the property. Equipment is available in any large center such as Boise or Twin Falls. Water is available on the property from Harlan & Float Creeks and power must be developed locally.

5. (c) The work will start as soon as contractors are available and will be continuous until weather conditions are unfavorable. Actual mining operations should be completed in about 30 working days.

(d) The mining operations will be under the supervision of James Seagraves, Hailey, Idaho who is a practical miner of many years experience. Technical advisor will be Wm. M. Arendt, Geologist and Mining Engineer, a practicing

SEAGRAVES MINING CO., INCORPORATED
ACCOUNTING OFFICES - 3439 N.E. SANDY BLVD.
PORTLAND, OREGON

TO BE ATTACHED TO AND BECOME A PART OF FORM MF-103.

geologist and engineer for 40 years of international experience. Mr. Arendt is a graduate of the University of California in 1916.

6. (a) Independent contracts -

| | | | |
|---|---|---|---|
| (1) | 1200 ft. diamond drilling @ 5.75 per ft. (Contractor to furnish drills etc. & 1 man) (Compressor, tanks, pipe furnished by us) | 6900.00 | |
| (2) | Road grading (40 Hrs. @ 15.00 per Hr.) | 600.00 | |
| (3) | Mobilization & Moving equipment to location. | 350.00 | 7850.00 |
| (b) (1) | One miner- 30 days @ 16.00 per day. (We furnish a helper for contractor) | 480.00 | |
| (2) | Supervision foreman | 500.00 | |
| (3) | Engineering & Geological consultant. | 600.00 | 1580.00 |
| (c) (1) | Fuel & Lubricants | 250.00 | |
| (2) | 1" & 2" pipe (150' of each @ 33¢ and 60¢. | 139.50 | 389.50 |
| (d) (1) | Operating Equipment owned by us- | | |
| | 1 - 445 cu. ft. compressor value $10,000.00 | | |
| | 1 - Air receiver tank " 600.00 | | |
| | 500' - 2" pipe @ 60¢ " 300.00 | | |
| | 500' - 1" pipe @ 33¢ " 165.00 | | |
| | - fittings for pipe " 110.00 | | |
| | Suggested use allowance on Company Equipment | 550.00 | 550.00 |
| (2) | Operating Equipment to be purchased- | | |
| | Core & Sludge Boxes | 150.00 | |
| | Water tank & fittings. | 50. 00 | 200.00 |
| (3) | Operating Equipment to be rented- | | |
| | Pickup truck for roustabout (30 days) | 300.00 | 300.00 |
| (e) | Repair and overhaul of Air Compressor before starting operations. | 100.00 | 100.00 |
| (f) | Shed over Compressor | 250.00 | 250.00 |
| (g) | Maintenence of equipment | 250.00 | |
| | Analytical work | 400.00 | |
| | Payroll taxes | 31.60 | |
| | Accounting & Telephone | 100.00 | |
| | Workmen's Compensation & Liability Insur. | 200.00 | 981.60 |

SEAGRAVES MINING CO., INCORPORATED
ACCOUNTING OFFICES - 3439 N.E. SANDY BLVD.
PORTLAND, OREGON

TO BE ATTACHED TO AND BECOME A PART OF FORM MF-103

| | | | |
|---|---|---|---|
| (h) | Reaming & Cementing 100 ft @ 2.65. | 265.00 | |
| | Lost & broken tools, drills etc. | 100.00 | 365.00 |
| | TOTAL ESTIMATED COST OF PROJECT. | | $ 12566.10 |

7. (a) We are prepared to furnish our share of the cost of the proposed project.

(b) We will furnish our share of costs in cash. However, with your approval, we would apply the use allowance on Company equipment towards our share and deposit the balance in cash.

SEAGRAVES MINING CO., INCORPORATED
ACCOUNTING OFFICES - 3439 N.E.SANDY BLVD.
PORTLAND, OREGON

LONE STAR - SILVER KING, SILVER LEAD PROSPECT, SEAFOAM DISTRICT, IDAHO.

CONCLUSION

REMARKS

LOCATION AND ACCESSIBILITY MAPS

PURPOSE AND METHOD OF INVESTIGATION

HISTORY

TOPOGRAPHY

Drainage
Climate
Vegetation

GENERAL GEOLOGY

INVESTIGATION BY:

W. M. ARENDT, GEOLOGIST AND MINING ENGINEER,

1979 DOWLING COURT, SANTA ROSA, CALIFORNIA

SEAGRAVES MINING CO., INCORPORATED
ACCOUNTING OFFICES - 3439 N.E. SANDY BLVD.
PORTLAND, OREGON

LONE STAR - SILVER KING SILVER LEAD PROSPECT, SEAFOAM DISTRICT, IDAHO.

CONCLUSIONS.

This prospect should develop into a profitable commercial venture if properly explored by running a new crosscut to the vein as sketched on map and drifting on the vein as far as showing justifies; the vein runs completely through the ridge diagonally and would have about 1000 feet of backs at its highest exposure on the surface.

REMARKS.

Arrangements with Mr. William Seibert, Bay Horse Mine, Challis, Idaho could be made for use of buildings at the Seafoam mine; he would also permit the use of Steel rails from the Seafoam workings. Ore on the dump 15 or 20 tons, could be shipped to the smelter in Salt Lake at a profit. The season for comfortable operation is about 8 months. Supplies can be obtained in Stanley, 41 miles; Challis, 120 miles; Ketchum, 113 miles/ Boise is the main mining equipment center. The usual mining machinery and tools are required for this type of development. Drifting can be contracted for $8.00 per foot for labor by experienced miners, provided the company furnished all equipment and supplies. Timber is available on the ground. A small amount of roadwork is necessary to clear about 3/4 of a mile into the Seafoam buildings.

As for recreation, there is no finer hunting and fishing to be had in the west. Deer, elk, bear, martin, mink, beaver are plentiful; grouse, quail, "fool hens" are also in fair supply. Fishing in the hundreds of lakes will always assure more fish than can be consumed, and the stream fishing challenges all your skill in any type of stream you prefer. Stanley Basin and the Salmon River and tributaries offer some of the finest trout and salmon fishing to be found anywhere.

SEAGRAVES MINING CO., INCORPORATED
ACCOUNTING OFFICES - 3439 N.E. SANDY BLVD.
PORTLAND, OREGON

LONE STAR - SILVER KING SILVER LEAD PROSPECT, SEAFOAM DISTRICT, IDAHO.

LOCATION AND ACCESSIBILITY.

The Seafoam Mining District is located in the northwestern portion of Custer County, Idaho, centered in Township 14 North, Range 11 East, Boise Meridian.

Topographically the district is situated in the Salmon Mountains and the property under examination extends across the ridge separating Harlan Creek and Seafoam Creek, both tributaries of Rapid River. This silver-lead prospect is reached by gravel surfaced road from Stanley, Idaho, to the turnoff to Seafoam Ranger Station, a U.S. Forestry maintained dirt road over Vanity Summit, a total distance of about 42 miles.

PURPOSE AND METHOD OF INVESTIGATION.

The examination was conducted to determine what possibilities existed for the development of this prospect into profitable commercial venture. The underground drifts, crosscuts and workings were mapped, surface excavations along the vein checked and general geology observed. The location of the claims was determined from the Forest Service Map of the Challis National Forest; the claims are in Township 14 North, Range 11 East, Sections 15, 16, 22, as nearly as could be determined since this is in unsurveyed areas.

HISTORY.

The claims, six in number, have been held by location for the last 10 years by Paul Sugasa, Elko, Nevada, and associates. The immediate vicinity is distinguished by the unsuccessful operation of a gold mine, the Seafoam Gold Mine, a stock promotion of reported $ 1 million proportions. The ore was an auriferous arsenical pyrite not amenable to the cyanide process. Josephus Lake Mine is in a faulted zone and produced boulders weighing up to one ton of pure silver-lead ore. Greyhound Silver-Lead Mine is located on the slope of the ridge to the northwest; to the south east is a producing silver-lead property presumably on the Gray Eagle-Silver King fissure.

Original discouvery was made by prospectors looking for gold; its potentialities for other metals was not recognized due to its poor showing in gold it was passed up to develop another vein about 500 feet north containing some free gold. Later Mr. Jack Seagraves of Stanley, who is a silver prospector recognized the markings of a lead vein and dug through the debris at the intersection of the vein and the fault and opened the present workings.

The whole district is spotted with prospectors resulting in discoveries in the Sheep Mt. and Rapid River sections.

TOPOGRAPHY.

The area is rugged, mountainous with deeply eroded canyons, swift funning streams and high peaks. Please refer to map.

SEAGRAVES MINING CO., INCORPORATED
ACCOUNTING OFFICES- 3439 N.E. SANDY BLVD.
PORTLAND, OREGON

LONE STAR - SILVER KING SILVER LEAD PROSPECT, SEAFOAM DISTRICT, IDAHO.

DRAINAGE

The local drainage is into Rapid River which in turn empties into the Middle Fork of the Salmon River.

CLIMATE.

As this is an essentially mountainous region the climate is rather marked in distinct seasons. There is heavy snow in winter which may start as early as October, sometimes as late as December before closing the road. Spring usually arrives in July with some rainfall during the summer months. The Forest Service usually has the roads opened in May.

VEGETATION.

There is timber in abundance consisting of pine, fir and aspen and the usual undergrowth.

GENERAL GEOLOGY.

The area is one of massive granitic intrusions, granodiorite dykes, porphyritic dykes cutting sedimentary rocks of limestone and shale with consequent development of quartzites, marble and schists. The ore is found in a fissure bearing NW-SE 30 degrees traced across a long ridge bearing NE-SW about 45 degrees; this fissure was traced for a distance of a mile horizontally. Along the westerly slope and cutting the fissure at the point indicated on the map is a N-S fault with a drag south and a vertical displacement undetermined. This is a prominent rift in Idaho and has locally developed a wide crushed shear zone along its western wall and a clean cut shear face or scarp on the east. The ore bearing fissure has been completely Disintegrated along with the country rocks west of the rift. The ore fissure is about 6 feet wide, the hanging wall is a cream colored porphry, the footwall limestone and granite with a gouge streak. The ore as exposed is 5 feet wide and contains the following minerals:

Galena--Silver lead ore lead sulfide
Iron pyrite, gold bearing iron sulfide
Sphalerite, zinc sulfide
Covellite, a rare copper sulfide.

Assay value of three 5 foot cut samples in winze 25 feet below surface across south east face.

Au. .58 oz. Ag. 31 ozs. Pb. 28%. Zn. .03% . Cu. Trace. Value $133.54 T.

W.M. Arendt

July, 1952

W.M. Arendt,
Geologist and Mining Engineer,
1979 Dowling Court,
Santa Rosa, California

SEAGRAVES MINING CO., INCORPORATED
ACCOUNTING OFFICES - 3439 N.E. SANDY BLVD.
PORTLAND, OREGON

REVISION: SEPTEMBER 25, 1955

During July, August and September 1955, a crosscut tunnel 5'x 7' was run as shown on accompanying maps a distance of 400 feet and a drill hole 40 feet in length was completed to intersect the vein at its calculated position. No limestone beds in place were encountered until the 333 foot mark was reached at which point the course of the tunnel was changed to intersect the strike of the beds at right angles. Numerous displacements occured. They were caused by green mica schist bulges and vertical faults in the narrow blue limestone beds. The dip in this area is about 70 degrees easterly and seemed to be constant. If this is the true dip the crosscut should be continued easterly at least 100 feet additional.

It now appears that diamond drilling is the solution at this period of exploration. I would propose drilling downward in the vein from the upper original workings. The first hole should be in the vein to determine at what depth the dip changes, but not to exceed 360 feet. If the dip changes, a second hole should be drilled to intersect the vein along its changed dip. After establishing the angles of dip, a third hole should be drilled to determine the distance to advance the present cross cut or raise to intersect the vein. These holes should definitely establish the location of the vein.

W. M. Arendt

September 25, 1955

W. M. Arendt
Geologist & Mining Engineer
1979 Dowling Court
Santa Rosa, California

EXCLUSIVE MINING LEASE AND OPTION TO PURCHASE

WHEREAS, WE, PAUL SUGASA OF ELKO, NEVADA, ISRAEL SEAGRAVES OF STANLEY, IDAHO, AND JAMES SEAGRAVES OF BAILEY, IDAHO, OWN AND CONTROL VALUABLE MINING CLAIMS IN CUSTER COUNTY, IDAHO, AND BEING DESIROUS OF HAVING THESE CLAIMS DEVELOPED, WE THEREFORE EXECUTE THIS LEASE AND SALES DOCUMENT, GRANTING TO MY GOOD FRIEND, W. M. ARENDT, MINING ENGINEER, THE SOLE AND EXCLUSIVE RIGHT, WITH FULL LEGAL AUTHORITY, TO PROCEED WITH SUCH DEVELOPMENT WORK, UPON THE FOLLOWING TERMS:

1. THAT WE SHALL BE PAID A ROYALTY OF TEN PER CENT, ON ALL ORE MINED AND MILLED, AND SHIPPED TO THE SMELTER, OR MILL, SAID 10% BEING BASED, ON NET SMELTER RETURNS.

2. THIS LEASE RUNS FOR A PERIOD OF FIVE YEARS, AND IS RENEWABLE FOR AN ADDITIONAL FIVE YEARS, IF DESIRED, OR,

3. IT IS AGREED AND UNDERSTOOD, THAT IN LIEU OF THE ROYALTY PAYMENTS, MR. ARENDT AND HIS ASSOCIATES HAVE THIS PRIVILEGE AND RIGHT, TO TENDER THE SUM OF FIFTY THOUSAND ($50,000.00) DOLLARS, AT ANY TIME DURING THE LEASE PERIOD, IN FULL PAYMENT FOR THE PROPERTY.

3-A. IT IS UNDERSTOOD THAT THE LESSORS HAVE THE RIGHT AND PRIVILEGE OF TAKING STOCK IN THE COMPANY TO BE FORMED IN LIEU OF ROYALTY OR IN PAYMENT FOR THE PROPERTY IN FULL, TO THE AMOUNT OF FIFTY THOUSAND DOLLARS ($50,000.00).

4. WE HEREBY ATTEST THAT THE PROPERTY, AS HERE AND BELOW DESCRIBED, EMBRACING CONTIGUOUS CLAIMS, IS FREE AND CLEAR OF ALL ENCUMBERANCES, OF EVERY NATURE AND KIND, THE RECORDED LEGAL DESCRIPTION, OF THE CLAIMS ARE: STAR, STAR #1 AND SILVER KING #1, #2, #3, and #4 SITUATED IN SEAFOAM MINING DISTRICT, COUNTY OF CUSTER, STATE OF IDAHO.

5. IN CONSIDERATION OF THIS LEASE AND OPTION TO PURCHASE, I DO HEREBY ACKNOWLEDGE RECEIPT OF THE SUM OF ONE DOLLAR, AND OTHER GOOD AND VALUABLE CONSIDERATION, AS FOLLOWS:

6. THAT THE ENGINEERING PLANS AS OUTLINED BY MR. ARENDT, ENGINEER, SHALL BE PUT IN FORCE AND EFFECT, NAMELY: "TO DEVELOP THE PROPERTY VIA CROSS-CUT TO THE VEIN, APPROXIMATELY 220 FEET, THEN TO DRIFT ON THE VEIN TO OPEN THE ORE BODY, THEN TO SHIP ORE AS EXTRACTED, IN THE BEST INTERESTS AND TO THE ADVANTAGE OF ALL PARTIES CONCERNED, SUCH WORK TO PROCEED AS CLIMATIC AND TRANSPORTATION CONDITIONS PERMIT, SUCH WORK TO PROCEED WITH ALL POSSIBLE DISPATCH, TIME BEING THE ESSENCE.

7. IT IS UNDERSTOOD AND AGREED THAT W. M. ARENDT, TO WHOM THIS LEASE AND OPTION OF PURCHASE IS MADE, HAS THE RIGHT AND PRIVILEGE TO SUBDIVIDE IT, WITH HIS BUSINESS ASSOCIATES, W. T. WERSCHKULL, AND/OR L. F. STANLEY, OR TO THEIR ORDER.

8. THIS DOCUMENT IS SIGNED IN TRIPLICATE, THE ORIGINAL GOING TO W. M. ARENDT, ONE RETAINED BY PAUL SUGASA, AND ONE MAILED TO W. T. WERSCHKULL, C/O THE OAKLAND BRANCH OF THE SAN FRANCISCO BANK, 417 14TH STREET, OAKLAND, CALIFORNIA.

SIGNED AND SEALED THIS 24TH DAY OF JULY, 1954.

WITNESSES: SIGNED: Paul Sugasa

W. M. Arendt

Edna C. Arendt

James Seagraves

Morgan Seagraves

RECEIVED
OCT 6 - 1955

# A S S I G N M E N T

For and in consideration of the issuance to me of Stock Certificate Numbered 1 of SEAGRAVES MINING COMPANY, INC., an Idaho corporation, for 250,000 shares with par value of ten (10¢) cents per each, the receipt of which certificate for such shares is hereby acknowledged, the undersigned, WILLIAM M. ARENDT and EDNA R. ARENDT do hereby sell, transfer, convey, set over and assign to the said SEAGRAVES ~~MINING COMPANY, INC., an Idaho corporation, all of the right, title~~ and interest of the undersigned in and to that certain instrument entitled "EXCLUSIVE MINING LEASE AND OPTION TO PURCHASE" and dated July 24, 1954, entered into by and between PAUL SUGASA, of Elko, Nevada, ISREL SEAGRAVES, of Stanley, Idaho, and JAMES SEAGRAVES, of Hailey, Idaho, and W. M. ARENDT, and by which agreement the said W. M. ARENDT was given the sole and exclusive right to proceed with the developing of certain mining claims owned by the other parties to said agreement as aforenamed, and which claims are described as STAR, STAR #1, and SILVER KING #1, #2, #3, and #4, all situated in SEAFOAM MINING DISTRICT, County of Custer, State of Idaho, and of which interest the said W. M. ARENDT subsequently transferred seventy-five (75%) per cent thereof to L. F. STANLEY and W. T. WERSCHKULL, and who subsequently transferred sixty-six and two-thirds (66-2/3%) per cent of their said 75% interest in said claims to L. L. MATLOCK and O. G. HAGUEWOOD, who subsequently, by an instrument dated October 21, 1954, conveyed all of their 66-2/3% interest in the said 75% of said claims, all as derived under and by virtue of the aforedescribed "EXCLUSIVE MINING LEASE AND OPTION TO PURCHASE" to DIT WARNER and his associates.

8½%

DATED at _____, _____, this _____ day of January, 1955.

_____
William M. Arendt

_____
Edna R. Arendt

STATE OF _____ )
)ss.
County of _____ )

On this _____ day of _____, 1955, before me, the undersigned, a notary public in and for said county and state, personally appeared the within named _____ known to me to be the identical individual described in and who executed the within instrument and acknowledged to me that he executed the same freely and voluntarily.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my official seal the day and year last above written.

_____
Notary Public for

My Commission Expires: _____

# A S S I G N M E N T

For and in consideration of the issuance by SEAGRAVES MINING COMPANY, INC., an Idaho corporation, of those certain Stock Certificates which are numbered and issued to the persons and for the quantity of shares of its Capital Stock with par value of ten (10¢) cents each, as follows:

| Number | Issued To | Number Of Shares |
|---|---|---|
| 5 | W. T. Werschkull | 25,000 |
| 6 | W. T. Werschkull | 25,000 |
| 7 | L. F. Stanley | 35,500 |
| 8 | David B. Bichan | 70,500 |
| 9 | L. L. Matlock | 9,325 |
| 10 | J. G. Cowins | 8,500 |
| 11 | C. E. Lynch | 10,000 |
| 12 | O. G. Haguewood | 7,080 |
| 13 | A. W. Hutcheon | 5,000 |
| 14 | B. J. Stanley | 54,095 |

the undersigned, L. F. Stanley and W. T. Werschkull, do hereby sell, transfer, convey, set over and assign to the said SEAGRAVES MINING COMPANY, INC., an Idaho corporation, all of their right, title and interest of whatsoever kind and nature, in and to that certain instrument entitled "EXCLUSIVE MINING LEASE AND OPTION TO PURCHASE" and dated July 24, 1954, entered into by and between PAUL SUGASA, of Elko, Nevada, ISREL SEAGRAVES, of Stanley, Idaho, and JAMES SEAGRAVES, of Hailey, Idaho, and W. M. ARENDT, and by which agreement the said W. M. ARENDT was given the sole and exclusive right to proceed with the developing of certain mining claims owned by the other parties to said agreement as aforenamed, and which claims are described as STAR, STAR #1, and SILVER KING #1, #2, #3, and #4, all situated in SEAFOAM MINING DISTRICT, County of Custer, State of Idaho, and of which interest the said W. M. ARENDT subsequently transferred seventy-five (75%) per cent thereof to L. F. STANLEY and W. T. WERSCHKULL, and who subsequently transferred sixty-six and two-thirds (66-2/3%) per cent of their said 75% interest in said claims to L. L. MATLOCK and O. G. HAGUEWOOD, who subsequently, by an instrument dated October 21, 1954, conveyed all of their 66-2/3%

interest in the said 75% of said claims, all as derived under and by virtue of the aforedescribed "EXCLUSIVE MINING LEASE AND OPTION TO PURCHASE", to DIT WARNER and his associates.

DATED at Portland, Oregon, this 26th day of January, 1955.

STATE OF OREGON )
)ss.
County of Multnomah)

On this 26 day of January, 1955, before me, the undersigned, a Notary Public in and for said County and State, personally appeared the within named L. F. STANLEY, known to me to be the identical individual described in and who executed the within instrument and acknowledged to me that he executed the same freely and voluntarily.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my official seal the day and year last above written.

Notary Public for Oregon
My Commission Expires: _____

STATE OF CALIFORNIA )
)ss.
County of San Diego

On this 1st day of February, 1955, before me, the undersigned, a Notary Public in and for said County and State, personally appeared the within named W. T. WERSCHKULL, known to me to be the identical individual described in and who executed the within instrument and acknowledged to me that he executed the same freely and voluntarily.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my official seal the day and year last above written.

Notary Public for California
My Commission Expires: [illegible]

# A S S I G N M E N T

For and in consideration of the issuance to me of Stock Certificate Numbered 9 of SEAGRAVES MINING COMPANY, INC., an Idaho corporation, for 9,325 shares with par value of ten (10¢) cents per each, the receipt of which certificate for such shares is hereby acknowledged, and which shares were purchased by the undersigned from L. F. Stanley, the undersigned, L. L. MATLOCK, does hereby sell, transfer, convey, set over and assign to the said SEAGRAVES MINING COMPANY, INC., an Idaho corporation, all of the right, title and interest of the undersigned in and to that certain instrument entitled "EXCLUSIVE MINING LEASE AND OPTION TO PURCHASE" and dated July 24, 1954, entered into by and between PAUL SUGASA, of Elko, Nevada, ISREL SEAGRAVES, of Stanley, Idaho, and JAMES SEAGRAVES, of Hailey, Idaho, and W. M. ARENDT, and by which agreement the said W. M. ARENDT was given the sole and exclusive right to proceed with the developing of certain mining claims owned by the other parties to said agreement as aforenamed, and which claims are described as STAR, STAR #1, and SILVER KING #1, #2, #3, and #4, all situated in SEAFOAM MINING DISTRICT, County of Custer, State of Idaho, and of which interest the said W. M. ARENDT subsequently transferred seventy-five (75%) per cent thereof to L. F. STANLEY and W. T. WERSCHKULL, and who subsequently transferred sixty-six and two-thirds (66-2/3%) per cent of their said 75% interest in said claims to L. L. MATLOCK and O. G. HAGUEWOOD, who subsequently, by an instrument dated October 21, 1954, conveyed all of their 66-2/3% interest in the said 75% of said claims, all as derived under and by virtue of the aforedescribed "EXCLUSIVE MINING LEASE AND OPTION TO PURCHASE" to DIT WARNER and his associates.

DATED at Heppner, Oregon, this 7th day of February, 1955.

L. L. Matlock

L. L. Matlock

STATE OF OREGON )
) ss.
County of Morrow )

On this 7th day of Febru ry, 1955, before me, the undersigned, a Notary Public in and for said County and State, personally appeared the within named L. L. MATLOCK, known to me to be the identical individual described in and who executed the within instrument and acknowledged to me that he executed the same freely and voluntarily.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my official seal the day and year last above written.

Geo. J. Nye

Notary Public for
My Commission Expires: April 17, 1955

# A S S I G N M E N T

For and in consideration of the issuance to me of Stock Certificate Numbered 12 of SEAGRAVES MINING COMPANY, INC., an Idaho corporation, for 7,080 shares with par value of ten (10¢) cents per each, the receipt of which certificate for such shares is hereby acknowledged, and which shares were purchased by the undersigned from L. F. Stanley, the undersigned, O. G. HAGUEWOOD, does hereby sell, transfer, convey, set over and assign to the said SEAGRAVES MINING COMPANY, INC., an Idaho corporation, all of the right, title and interest of the undersigned in and to that certain instrument entitled "EXCLUSIVE MINING LEASE AND OPTION TO PURCHASE" and dated July 24, 1954, entered into by and between PAUL SUGASA, of Elko, Nevada, ISREL SEAGRAVES, of Stanley, Idaho, and JAMES SEAGRAVES, of Hailey, Idaho, and W. M. ARENDT, and by which agreement the said W. M. ARENDT was given the sole and exclusive right to proceed with the developing of certain mining claims owned by the other parties to said agreement as aforenamed, and which claims are described as STAR, STAR #1, and SILVER KING #1, #2, #3, and #4, all situated in SEAFOAM MINING DISTRICT, County of Custer, State of Idaho, and of which interest the said W. M. ARENDT subsequently transferred seventy-five (75%) per cent therof to L. F. STANLEY and W. T. WERSCHKULL, and was subsequently transferred sixty-six and two-thirds (66-2/3%) per cent of their said 75% interest in said claims to L. L. MATLOCK and O. G. HAGUEWOOD, who subsequently, by an instrument dated October 21, 1954, conveyed all of their 66-2/3% interest in the said 75% of said claims, all as derived under and by virtue of the aforedescribed "EXCLUSIVE MINING LEASE AND OPTION TO PURCHASE" to DIT WARNER and his associates.

DATED at Heppner, Oregon, this 7th day of February, 1955.

O. G. Hagnewood

STATE OF Oregon )
)ss.
County of Morrow )

On this 7th day of February, 1955, before me, the undersigned, a Notary Public in and for said County and State, personally appeared the within named O. G. HAGUEWOOD, known to me to be the identical individual described in and who executed the within instrument and acknowledged to me that he executed the same freely and voluntarily.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my Official seal the day and year last above written.

Notary Public for
My Commission Expires: Oct. 21, 1958

# A S S I G N M E N T

For and in consideration of the issuance to me of Stock Certificate Numbered 2 of SEAGRAVES MINING COMPANY, INC., an Idaho corporation, for 175,000 shares with par value of ten (10¢) cents per each, the receipt of which certificate for such shares is hereby acknowledged, the undersigned, VERNON D. WARNER and FRANCES G. WARNER, do hereby sell, transfer, convey, set over and assign to the said SEAGRAVES MINING COMPANY, INC., an Idaho corporation, all of the right, title and interest of the undersigned in and to that certain instrument entitled "EXCLUSIVE MINING LEASE AND OPTION TO PURCHASE" and dated July 24, 1954, entered into by and between PAUL SUGASA, of Elko, Nevada, ISREL SEAGRAVES, of Stanley, Idaho, and JAMES SEAGRAVES, of Hailey, Idaho, and W. M. ARENDT, and by which agreement the said W. M. ARENDT was given the sole and exclusive right to proceed with the developing of certain mining claims owned by the other parties to said agreement as aforenamed, and which claims are described as STAR, STAR #1, and SILVER KING #1, #2, #3, and #4, all situated in SEAFOAM MINING DISTRICT, County of Custer, State of Idaho, and of which interest the said W. M. ARENDT subsequently transferred seventy-five (75%) per cent thereof to L. F. STANLEY and W. T. WERSCHKULL, and who subsequently transferred sixty-six and two-thirds (66-2/3%) per cent of their said 75% interest in said claims to L. L. MATLOCK and O. G. HAGUEWOOD, who subsequently, by an instrument dated October 21, 1954, conveyed all of their 66-2/3% interest in the said 75% of said claims, all as derived under and by virtue of the aforedescribed "EXCLUSIVE MINING LEASE AND OPTION TO PURCHASE" to DIT WARNER and his associates.

DATED at Portland, Oregon, this 26th day of January, 1955.

Vernon D. Warner

Vernon D. Warner

Frances G. Warner

Frances G. Warner

STATE OF OREGON )
)ss.
County of Multnomah)

On this 26th day of January, 1955, before me, the undersigned, a Notary Public in and for said County and State, personally appeared the within named VERNON D. WARNER and FRANCES G. WARNER, known to me to be the identical individuals described in and who executed the within instrument and acknowledged to me that they executed the same freely and voluntarily.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my official seal the day and year last above written.

Notary Public for Oregon
My Commission Expires: MY COMMISSION EXPIRES APRIL 14, 1958
MY COMMISSION EXPIRES APRIL 14, 1958

# A S S I G N M E N T

For and in consideration of the issuance to me of Stock Certificate Numbered 3 of SEAGRAVES MINING COMPANY, INC., an Idaho corporation, for 175,000 shares with par value of ten (10¢) cents per each, the receipt of which certificate for such shares is hereby acknowledged, the undersigned, WARREN T. HARMON and EDNA HARMON, do hereby sell, transfer, convey, set over and assign to the said SEAGRAVES MINING COMPANY, INC., an Idaho corporation, all of the right, title and interest of the undersigned in and to that certain instrument entitled "EXCLUSIVE MINING LEASE AND OPTION TO PURCHASE" and dated July 24, 1954, entered into by and between PAUL SUGASA, of Elko, Nevada, ISREL SEAGRAVES, of Stanley, Idaho, and JAMES SEAGRAVES, of Hailey, Idaho, and W. M. ARENDT, and by which agreement the said W. M. ARENDT was given the sole and exclusive right to proceed with the developing of certain mining claims owned by the other parties to said agreement as aforenamed, and which claims are described as STAR, STAR #1, and SILVER KING #1, #2, #3, and #4, all situated in SEAFOAM MINING DISTRICT, County of Custer, State of Idaho, and of which interest the said W. M. ARENDT subsequently transferred seventy-five (75%) per cent thereof to L. F. STANLEY and W. T. WERSCHKULL, and who subsequently transferred sixty-six and two-thirds (66-2/3%) per cent of their said 75% interest in said claims to L. L. MATLOCK and C. G. HAGUEWOOD, who subsequently, by an instrument dated October 21, 1954, conveyed all of their 66-2/3% interest in the said 75% of said claims, all as derived under and by virtue of the aforedescribed "EXCLUSIVE MINING LEASE AND OPTION TO PURCHASE", to DIT WARNER and his associates.

DATED at Portland, Oregon, this _____ day of January, 1955.

Warren T. Harmon

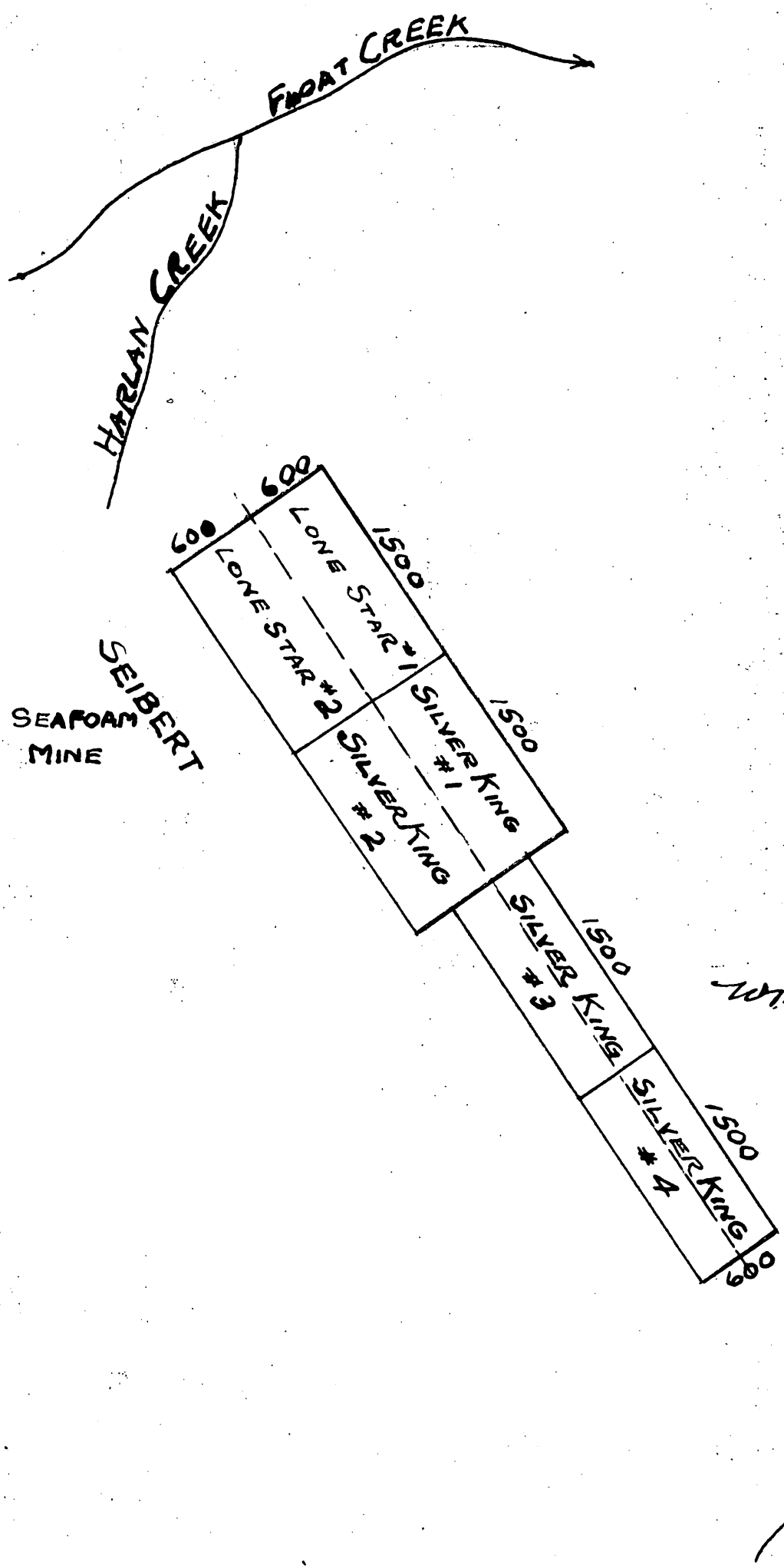
Edna Harmon

STATE OF OREGON )
)ss.
County of Multnomah)

On this _____ day of January, 1955, before me, the undersigned, a Notary Public in and for said County and State, personally appeared the within named WARREN T. HARMON and EDNA HARMON, known to me to be the identical individuals described in and who executed the within instrument and acknowledged to me that they executed the same freely and voluntarily.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my official seal the day and year last above written.

Notary Public for Oregon
My Commission Expires: _____




SEAGRAVES MINING CO.

T.14N., R.11E.,

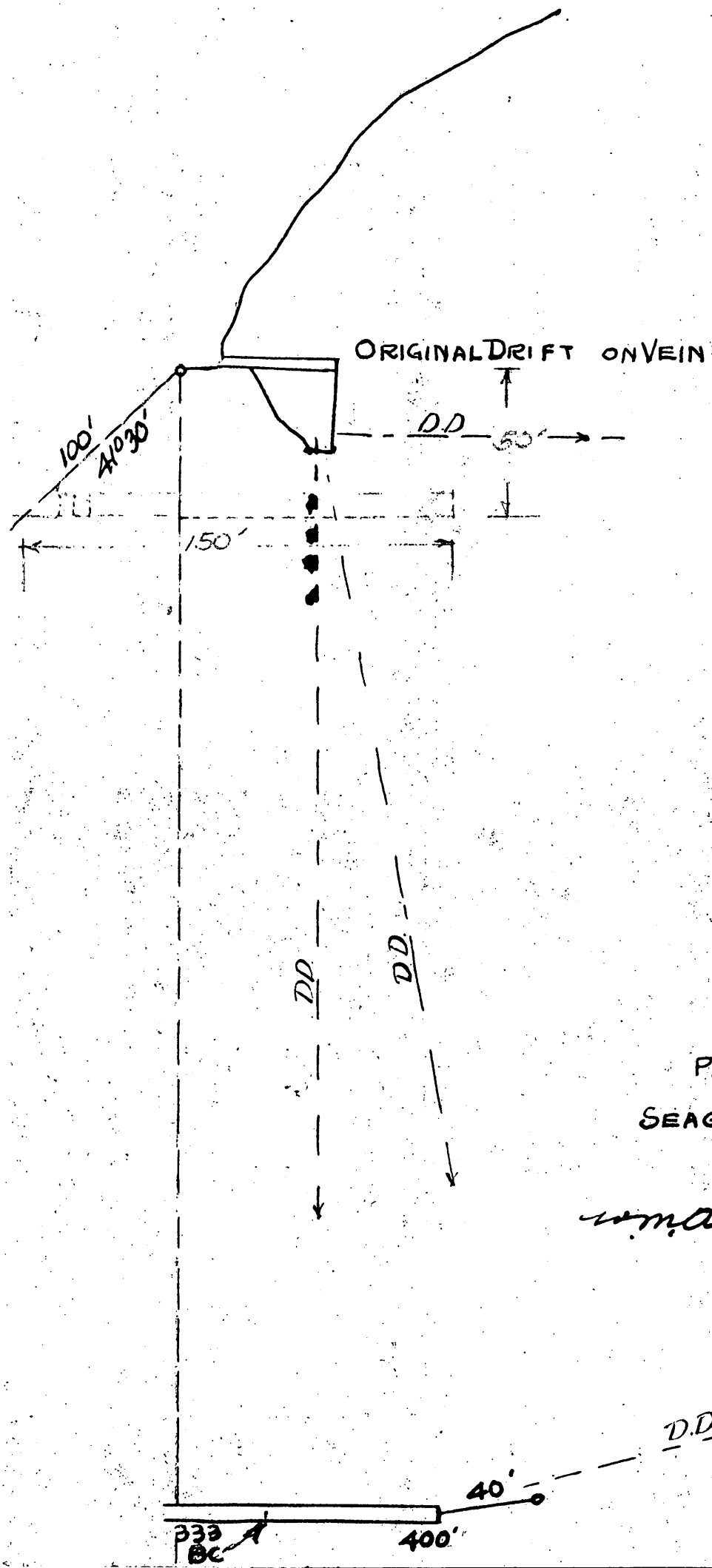
SECS. 16, 21, 22

BOISE MERIDIAN

UNSURVEYED

Wm. Arendt

Geologist and Mining Engr.



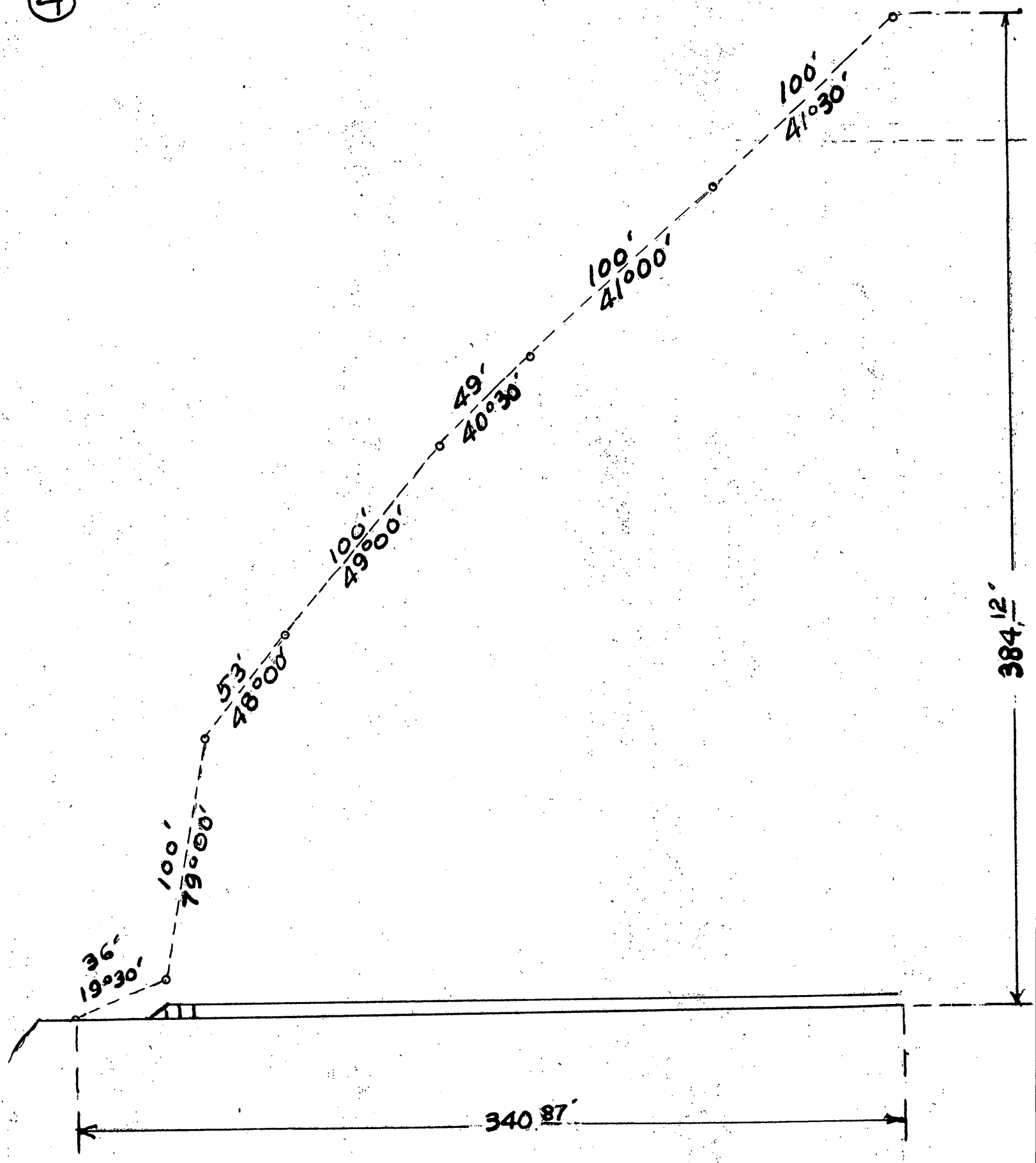

PROFILE AND SECTION

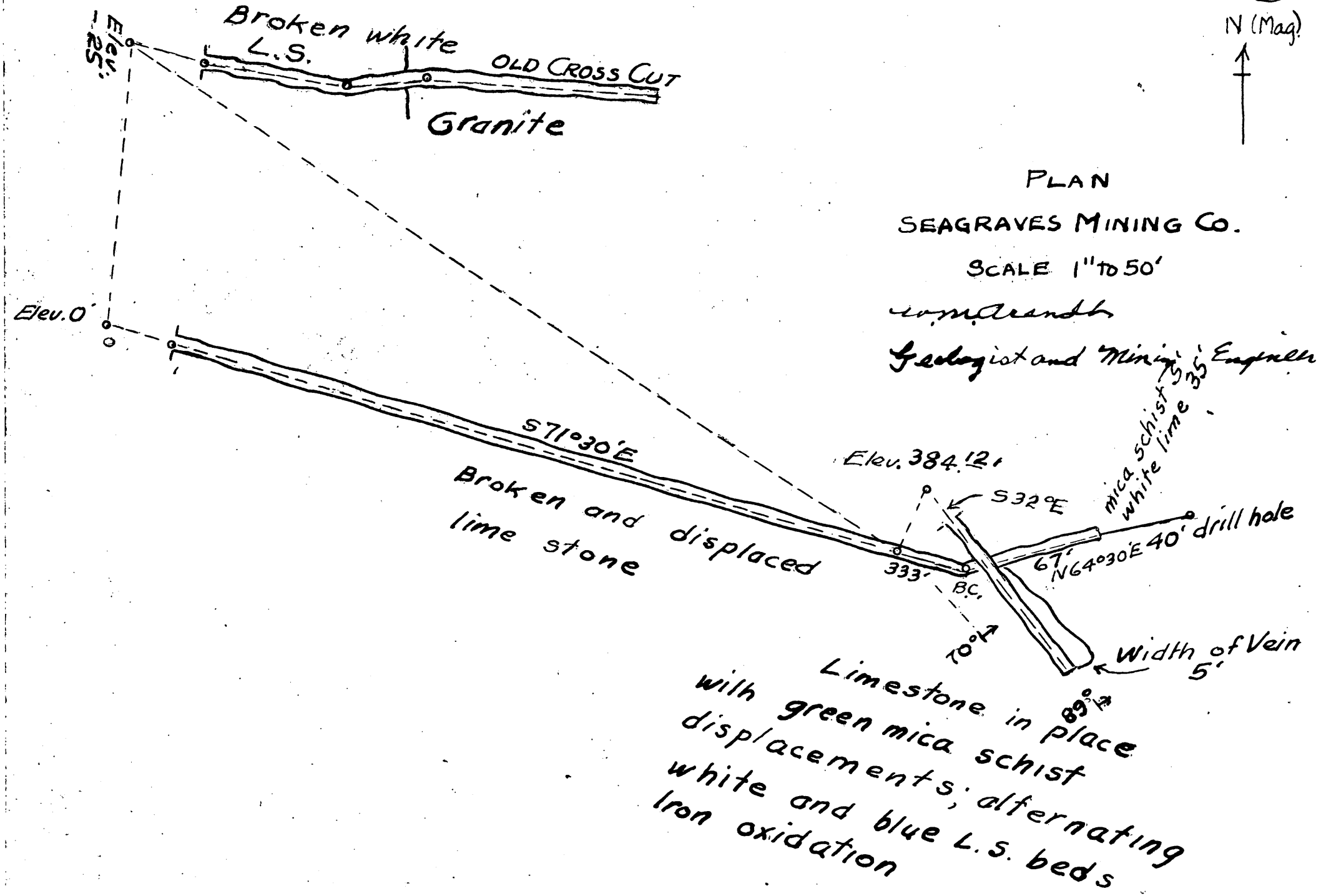
SEAGRAVES MINING CO.

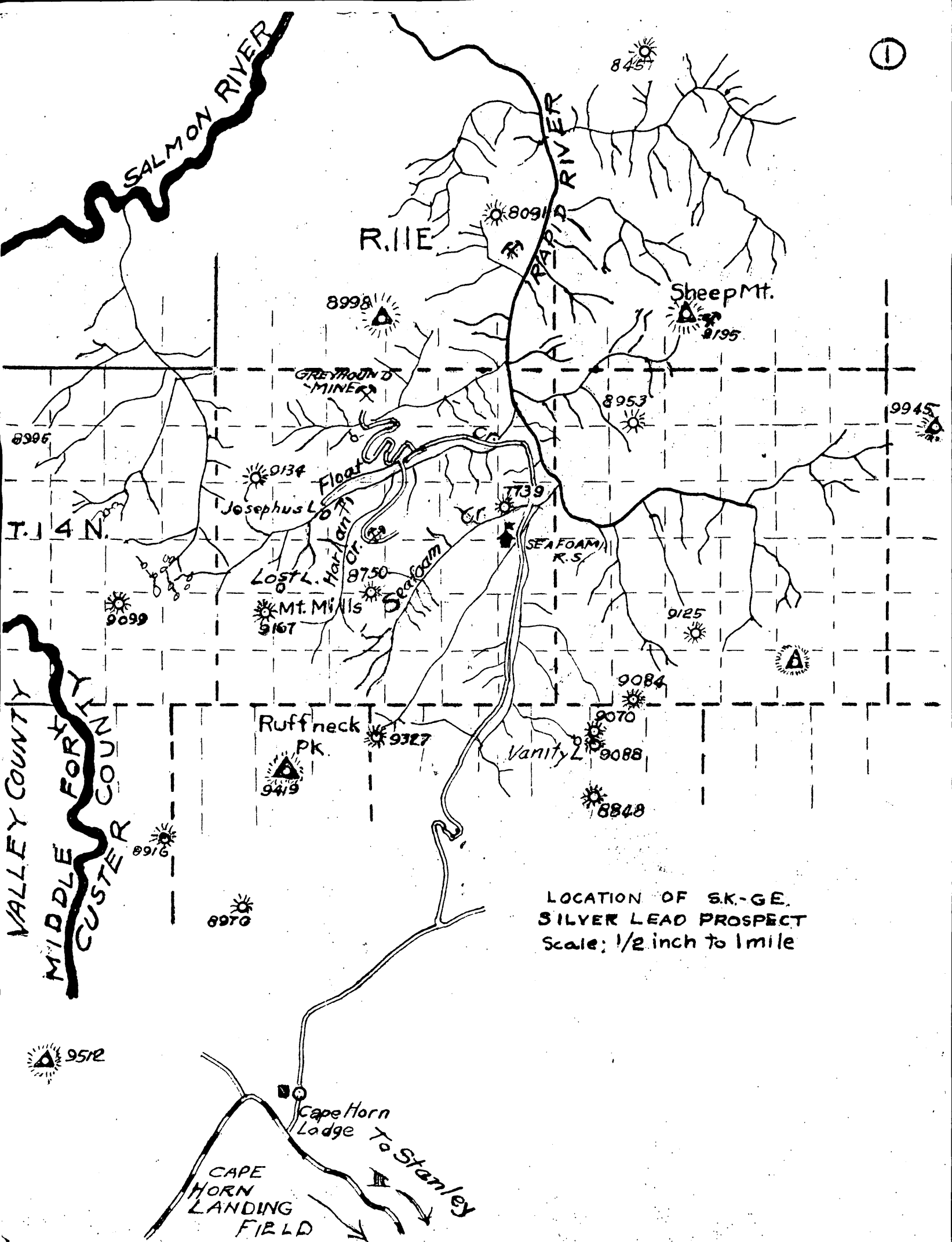
SCALE 1" TO 50'

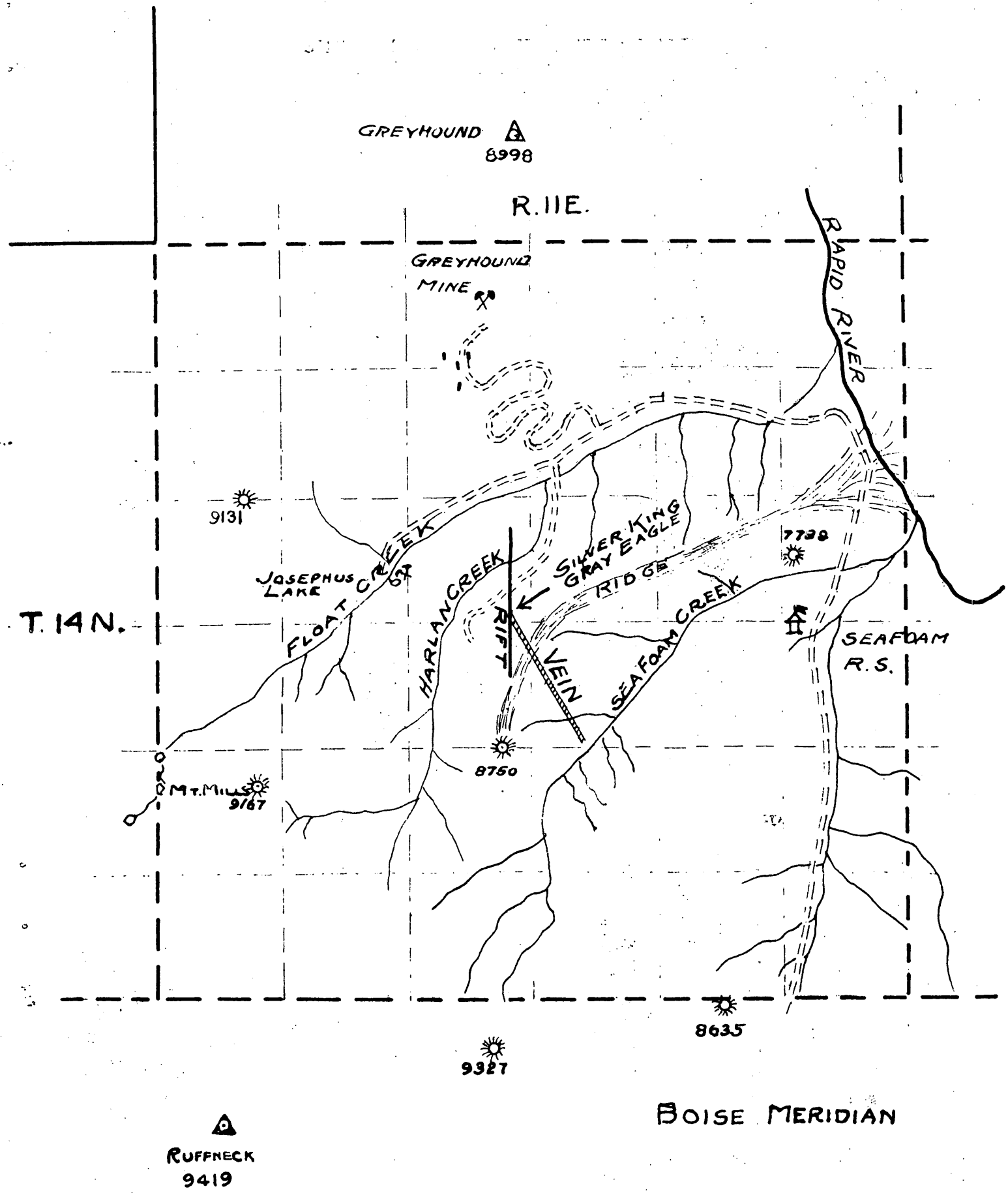
W. Arendt, Geologist & Mining Engr

④


100'
41°30'
100'
41°00'
49'
40°30'
100'
49°00'
53'
48°00'
100'
19°00'
36'
19°30'
384.12'
340.87'


N (Mag)
PLAN
SEAGRAVES MINING CO.
SCALE 1" TO 50'
Geologist and Mining Engineer
Elev. 25'
Broken white L.S.
OLD CROSS CUT
Granite
Elev. 0'
S71°30'E
Broken and displaced lime stone
Elev. 384.12'
S32°E
333'
B.C.
10°
mica schist 5'
white lime 35'
67'
N64°30'E
40' drill hole
Width of Vein 5'
89°
Limestone in place with green mica schist displacements; alternating white and blue L.S. beds
iron oxidation


1
SALMON RIVER
RAPID RIVER
8457
8091
R.11E.
8998
Sheep Mt.
9195
GREYHOUND MINE
8953
9945
8996
9134
Float Cr.
Josephus L.
7739
T.14N.
Harlan Cr.
Seafoam Cr.
SEAFOAM R.S.
Lost L.
8750
Mt. Mills
9167
9099
9125
9084
9070
Ruffneck Pk.
9327
Vanity L.
9088
9419
8848
8916
8970
VALLEY COUNTY
MIDDLE FORK
CUSTER COUNTY
LOCATION OF S.K.-G.E.
SILVER LEAD PROSPECT
Scale: 1/2 inch to 1 mile
9512
Cape Horn Lodge
To Stanley
CAPE HORN LANDING FIELD


GREYHOUND
8998
R. 11E.
GREYHOUND MINE
RAPID RIVER
9131
FLOAT CREEK
JOSEPHUS LAKE
HARLAN CREEK
SILVER KING
GRAY EAGLE
RIDGE
RIFT
VEIN
SEAFOAM CREEK
7738
SEAFOAM R.S.
T. 14 N.
8750
MT. MILLS
9167
8635
9327
BOISE MERIDIAN
RUFFNECK
9419

# U. S. Government Messenger Envelope

Standard Form No. 65 (Rev. 1/46)

1. Use blocks consecutively, one at a tir
2. Void previous block.
3. Write clearly.

| NAME OR TITLE OF PERSON, DEPARTMENT, ADDRESS, AND ROOM | | NAME OR TITLE OF PERSON, DEPARTMENT, ADDRESS, AND ROOM | |
|---|---|---|---|
| Mrs Johnson (2) | RUN / STOP | | RUN / STOP |
| [illegible] | RUN / STOP | | RUN / STOP |
| Miss [illegible] | RUN / STOP | | RUN / STOP |
| [illegible] | RUN / STOP | | RUN / STOP |
| | RUN / STOP | | RUN / STOP |
| | RUN / STOP | | RUN / STOP |
| | RUN / STOP | | RUN / STOP |
| | RUN / STOP | | RUN / STOP |
| | RUN / STOP | | RUN / STOP |
| | RUN / STOP | | RUN / STOP |

*Send surplus envelopes to supply room for reissue.*

Use other side

Use RUN and STOP only when messenger service between Government buildings in Washington is required.
Your mail room has RUN and STOP information.

NAME OR TITL

D ROOM

RUN
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Use other side first

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

| Date | Surname | Code |
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| | | |

November 6, 1957

Memorandum

To: Allen S. Dakan, Director
Division of Operations Control & Statistics

From: Director, Division of Base Metals

Subject: Rescission of Docket No. DMEA-4007, Seagraves Mining Company, Inc., Seagraves Mine, Custer County, Idaho, Contract No. Idm-E1017 (Lead-Zinc)

The cited contract has been rescinded (Rescission of Exploration Project Contract, October 11, 1957.).

No work done, no money spent, contract cancelled.

The docket therefore should be removed from our files.

W. R. Griswold

W. R. Griswold

WRG/er

Copy to: Admr R File
Chron.

8623

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
So. 157 Howard Street
Spokane 4, Washington

October 22, 1957

| | | |
|---|---|---|
| 10/25 | C | 220 |
| 10/28 | B | 215 |
| 10/28 | ~~acct~~ | 500 |

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

Re: Docket No. DMEA-4007 (Lead-Zinc)
Seagraves Mining Company, Inc.
Seagraves Mine
Custer County, Idaho
Contract No. Idm-E1017

Dear Mr. Selfridge:

Enclosed are the signed Government and Audit copies of an agreement between the Government and Seagraves Mining Company, Inc. mutually rescinding Exploration Project Contract No. Idm-E1017.

Other copies of the rescission have already been distributed.

Sincerely yours,

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

Enclosures

cc: USBM (2)
USBM (AD)
Alvord

| | | |
|---|---|---|
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So. 157 Howard Street
Spokane 4, Washington

October 16, 1957

Mr. V. D. Warner, Secretary
Seagraves Mining Company, Inc.
3439 N. E. Sandy Boulevard
Portland 13, Oregon

Re: Docket No. DMEA-4007 (Lead-Zinc)
Seagraves Mining Company, Inc.
Seagraves Mine
Custer County, Idaho
Contract No. Idm-E1017

Dear Mr. Warner:

Enclosed are the original and four copies of "Rescission of Exploration Project Contract" which you requested in your letter of September 3, 1957. Please sign all copies, keep the one marked "Operator's Copy" and return the other three copies, with the original, to this office.

We hope that the results of the work you are doing will be most successful. Should you wish to apply for a new project we will be glad to consider your proposal.

Sincerely yours,

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

Enclosures

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

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

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OCT 11 1957

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

Re: Docket No. DMEA-4007 (Lead-Zinc)
Seagraves Mining Company, Inc.
Seagraves Mine
Custer County, Idaho
Contract No. Idm-E1017

Dear Mr. Weissenborn:

We are enclosing the original and four copies of "Rescission of Exploration Project Contract", to the cited contract which have been signed by the Administrator for the Government. This is in accordance with the request of the Operator, dated September 3, 1957, and your letter, dated September 5, 1957. We are also enclosing two extra copies of the rescission for the use of the Field Team.

Please present the rescission agreement to the Operator for approval and signature and, when completed, distribute the copies in the usual manner.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee

WPKlugescheid/er 10/9/57
Copy to: Docket
Admr R File
Op. Committee
Mr. Bishop, USBM
Mr. Kiilsgaard, USGS
Chron.

Enclosures

APPROVED:

P. F. Yopes

Member, Bureau of Mines

W. P. Williams

Member, Geological Survey

8623

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

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October 3, 1957

Memorandum

To: Associate Solicitor, Division of Mineral Resources

From: Director, Division of Base Metals

Subject: Rescission of Exploration Project Contract No. Idm-E1017, Seagraves Mining Company, Inc., Seagraves Mine, Custer County, Idaho (Lead-Zinc).

Will you please kindly prepare a Rescission of Project Contract for the cited project, in accordance with the request of the Operator, dated September 3, 1957. No work has been done.

W. R. Griswold

W. P. Klingenbeard
~~JWA~~t/er

Copy to: Docket
Chron.

8623

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
So. 157 Howard Street
Spokane 4, Washington

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September 5, 1957

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

Re: Docket No. DMEA-4007 (Lead-Zinc)
Seagraves Mining Co., Inc.
Seagraves Mine
Custer County, Idaho
Contract No. Idm-E1017

Dear Mr. Selfridge:

Enclosed are two copies of a letter dated September 3, 1957, from V. D. Warner, Secretary of the referenced contracting company, requesting that the contract be rescinded.

As none of the contract work has been started, we recommend that Mr. Warner's request be approved.

By Field Team, Region I

A. E. Weissenborn

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

Wing G. Agnew

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

Enclosures

cc: USBM (2)
USBM (AD)
Alvord

Dmea (2)

# Seagraves Mining Co., Inc.

[illegible]

[illegible]

RESIDENT AGENT
JAMES SEAGRAVES
[illegible]
TEL [illegible]

September 3, 1957

U.S. Dept of the Interior
Defense Minerals Exploration Adm.
So. 157 Howard Street
Spokane 4, Washington

Attention to:
A.E. Weissenborn
Wing G. Agnew

Re: Docket No. DMEA-4007(Lead-Zinc)
Seagraves Mine
Custer County, Idaho
Contract No. Idm-E1017

Gentlemen:

Please rescind present DMEA Contract No. Idm-E1017.

We are at present building additional [illegible] to Ore Vein has opened up at the 7200 ft level. [illegible] after drifting on the vein, we feel that the claim [illegible] additional exploration we will in all probability [illegible] for new project.

Very [illegible] yours,

SEAGRAVES MINING CO., INC.

by _____
W.H. Warner, Secy

OFFICIAL FILE COPY
DMEA
RECEIVED SEP 9 1957

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UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
So. 157 Howard Street
Spokane 4, Washington

August 23, 1957

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

Re: Docket No. DMEA-4007 (Lead-Zinc)
Seagraves Mining Co., Inc.
Seagraves Mine
Custer County, Idaho
Contract No. Idm-E1017

Dear Mr. Selfridge:

Enclosed are two copies each of a self-explanatory letter dated August 16, 1957 from Mr. V. D. Warner, Secretary of the company, and our reply.

Sincerely yours,

D R MacLaren

D. R. MacLaren
for: A. E. Weissenborn
Executive Officer, DMEA
Field Team, Region I

Enclosures

cc: USBM (2)
USBM (AD)
Prinz

ORIGINAL FILE COPY
DMEA
RECEIVED AUG 26 1957

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RECEIVED AUG 26 1957
DATE | INITIALS | CODE

So. 157 Howard Street
Spokane 4, Washington

August 23, 1957

Mr. V. D. Warner, Secretary
Seagraves Mining Co., Inc.
3439 N. E. Sandy Boulevard
Portland 13, Oregon

Re: Docket No. DMEA-4007 (Lead-Zinc)
Seagraves Mine
Custer County, Idaho
Contract No. Idm-E1017

Dear Mr. Warner:

This is in reply to your letter of August 16, 1957 regarding the present DMEA contract and the possibility of changes in the program.

The costs set up in the contract became firmly established upon your signing the contract and cannot be changed. If you do not feel you can start the work, you should request that the contract be rescinded.

Should the work you are now doing justify additional exploration, you can apply for a new project. Should you submit another application and wish to include diamond drilling, you should secure firm bids, not indefinite estimates, from three independent contractors and include them with your application.

By Field Team, Region I

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

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

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

# Seagraves Mining Co., Inc.

3439 N. E. SANDY BOULEVARD
PORTLAND 13, OREGON
BELMONT 4-9317

RECEIVED
DATE

RESIDENT AGENT
JAMES SEAGRAVES
HAILEY, IDAHO
TEL. HAILEY 1-5 3J

August 14, 1957

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

In re: Docket No. DMEA-4007 (Lead-Zinc)
Seagraves Mine
Custer County, Idaho
Contract No. Idm-E1017

Gentlemen:

In reply to your letter of August 9, 1957 in re the above numbered contract, please be advised that Seagraves Mining Co., Inc. did not undertake the drilling contemplated by the contract for the reason that it could not be performed without construction of a road to the spot where the drilling operation was to be set up. Furthermore the only company that we were able to find willing to perform, wanted a contract for not less than three times the amount per hour allowed under our contract with the government, plus charges for setting up, etc. In view of these costs, our company elected not to undertake the drilling, but instead is now in the process of building a road to a point approximately fifty feet below the vein and from where it is intended to commence the actual mining of ore.

Our foreman just recently advised us of the visit by your fieldmen to the Seagraves mine, and also stated that one of them indicated that your department might consider amending the contract to conform with the change in the operation. If such is the fact, we would most sincerely appreciate your advising us as to what must be done in order to effect the amendment of the original contract or the making of a new one. We are still extremely interested in attempting to prove the location of the ore, but unless it can be performed on a realistic cost basis we feel it is too impractical; thus it would be appreciated if you would advise us as to what your department can do, and if you can assist us in view of our changed operation would you please advise whether or not it should be done by extension and amendment of the existing contract or by a new one. One of the corporate officers and myself will be at the mine from August 20th through August 30th and if any of your fieldmen are planning a return visit to the mine we sincerely hope that they will be able to do so during that period. In the meantime we will be most pleased to hear from you with respect to the questions asked hereinabove.

Very sincerely yours,

SEAGRAVES MINING COMPANY, Inc.

V. D. Warner, Secretary

VDW/lh

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
So. 157 Howard Street
Spokane 4, Washington

August 23, 1957

MEMORANDUM

To: DMEA Field Team, Region I

From: Donald C. Alvord, Geologist, U. S. Geological Survey

Subject: Interim Inspection Report, Docket No. DMEA-4007 (lead-Zinc), Seagraves Mining Co., Inc., Seagraves Mine, Custer County, Idaho, Contract No. Idm-E1017

The property was examined on July 21, 1957 in company with Sui Ju Kung, Mining Engineer, Taiwan, Nationalist China. Mr. Jim Seagraves, foreman and part owner, Jack Seagraves, cook and part owner, a dozer operator, and a miner were at the property during the inspection.

No work had been done under the DMEA contract which provides for the drilling of three diamond drill holes from one surface drill site to test the southward and downward extension of a nearly vertical vein at distances of 120 to 250 feet from known showings. Instead the company had drilled one diamond drill hole from the east face of the 6825 crosscut (pl. 1, Examination Memorandum Report, Alvord and Parsons, 8/20/56) to a depth of 188 feet on a bearing of S. 75° E. and a dip from the horizontal of a plus 18°. The following is the log of this hole:

CENTRAL FILE COPY
DMEA
RECEIVED 1957
9-17 C 220
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SEAGRAVES DIAMOND DRILL HOLE (no number)

Logged by D. C. Alvord, 7/21/57

| | | | |
|---|---|---|---|
| Location: | East face of 6825 crosscut | Date collared: | 6/?/57 |
| Collar elevation: | 6,829 feet | Date bottomed: | 7/10/57 |
| Bearing: | S. 75° E. | | |
| Dip: | Plus 18° from horizontal | Core recovery: | 73% (EX) |

| From (ft.) | To (ft.) | Core recovery (ft.) | Lithology |
|---|---|---|---|
| 0.0 | 70.0 | -- | Plug bit, no core. No ore reported in cuttings. |
| 70.0 | 80.0 | 9.5 | Fine to very fine-grained leuco-adamellite; trace of biotite; faint green cast and trace of epidote indicates saussuritization; trace unknown opaques. |
| 80.0 | 90.0 | 5.8 | Chiefly as above but with whisps of biotite quartz schist; opaques locally are surrounded by haloes of goethite. |
| 90.0 | 100.0 | 4.5 | Leuco-adamellite as above. |
| 100.0 | 105.0 | 5.0 | Leuco-adamellite as above; sparse $MnO_2$ dendrites on fracture surfaces; mineral grains sheared and crushed locally; quartz grains in feldspar matrix (mortar structure); some kaolinization. |
| 105.0 | 112.0 | 5.3 | Leuco-adamellite as above. |
| 112.0 | 113.0 | 1.0 | Pale gray aphanitic to very fine-grained dike (Felsite). |
| 113.0 | 126.0 | *16.0 | Fine-grained leuco-adamellite; sparse marcasite and pyrite xls; *core pick up from previous run (?). |
| 126.0 | 127.0 | 1.0 | Gray felsite; trace of biotite xls. |
| 127.0 | 145.0 | 11.0 | Light-gray fine-grained biotite-quartz schist with whisps of adamellite; probably some felsite dike material; locally convoluted and dragged with apparent mortar structure; samples by Operator taken from 138.0-139.0, 140.0-140.5, and 142.0-143.5; trace of sericite near zone of samples. |

| From (ft.) | To (ft.) | Core recovery (ft.) | Lithology |
|---|---|---|---|
| 145.0 | 170.0 | 15.0 | Leuco-adamellite and whisps of schist. |
| 170.0 | 185.0 (Bottom) | 10.0 | Light-green felsite dike; trace of marcasite; pyrite; sparse sericite; possible tremolite in fine xls. |

According to Jim Seagraves, the core samples noted in the log above contained some visible pyrite but were barren of lead, zinc, and silver and contained only 0.01 ounce of gold per ton. It appears possible that the downward projection of the vein was cut by the hole (see attached figure), but the interpretation shown on that figure is only one of several possibilities and the results are completely inconclusive.

I asked Jim Seagraves why the company had not started the work under the contract and tested the structure at intersections closer to the known exposures. Mr. Seagraves stated that the company had tried to get a drilling company to do the work but that "they" would only come in for a flat $16.25 per hour including time to and from the property (Boise to property and back) and actual time on the property (8-hour day). In addition they (the company) didn't feel that a rig large enough for BX coring could be carried up the hill to the proposed site. The slope up to the proposed drill site is indeed steep (about 40° and locally steeper), but it is possible to get drilling companies at reasonable rates to come into even more inaccessible areas and drag skid mounted rigs up equally steep and steeper slopes. The Smothers property drill sites are on slopes equally as steep and irregular as those at the Seagraves property and accessibility is even poorer. Further discussion with Mr. Seagraves led me to conclude that the company was not really very interested in doing the work offered in the contract.

Subsequent to drilling the hole from the 6825 crosscut, the company has purchased an excellent (nearly new) D-4 dozer and a new Gardner-Denver 210 compressor. Their intention is to build a road to within about 30 or 40 feet below the portal of the 7200 adit and to adit-drift on the structure from there. Road construction was started on July 20 and by the time of the inspection had been advanced a good 250 yards. This element of the work was over talus, however, and the remaining construction will entail considerable drilling and blasting. Mr. Seagraves estimated that the road would be completed by the end of August.

The company appears to be sincere in their desire to develop the property in the manner they believe will most quickly bring about returns. Even though they have reneged on the contract, the structure

remains promising and exploration by an adit as portaled from their proposed road would be sound exploration. I told Mr. Seagraves that I had no way of knowing how DMEA would react to the fact that the contract had not been started as scheduled but also that I could see no reason why the company should not apply for DMEA aid to drive the adit drift if they so desired.

Enclosure

Donald C. Alvord

Distribution:
DMEA (Orig. & 3)
USBM (2)
USBM (AD)
Docket
Alvord

| EXTRA COPY DMEA RECEIVED AUG 15 1957 | | |
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So. 157 Howard Street
Spokane 4, Washington

August 9, 1957

Mr. V. D. Warner, Secretary
Seagraves Mining Company, Inc.
3439 N. E. Sandy Boulevard
Portland 13, Oregon

Re: Docket No. DMEA-4007 (Lead-Zinc)
Seagraves Mine
Custer County, Idaho
Contract No. Idm-E1017

Dear Mr. Warner:

Our field men visited the Seagraves Mine the last week in July, and report that the drilling specified in your DMEA contract had not been started and that they understand that you do not intend to do the contract drilling. As this drilling was to start on or before July 15, 1957, the contract is in default.

If you do not wish to start the contract drilling, will you please write us a letter requesting that the contract be rescinded. However, if you wish to start the contract work, please request an extension of the starting date and let us know by what date the work will start.

By Field Team, Region I

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

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

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

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UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
1201 N. Division St.
Spokane 2, Washington

July 31, 1957

MEMORANDUM

To: DMEA Field Team, Region I

From: William M. Romischer, Mining Engineer, Bureau of Mines

Subject: Routine inspection report, Docket No. DMEA-4007 (lead-zinc), Seagraves Mine, Custer County, Idaho
Contract No. Idm-E1017

The property was visited July 15. Mr. Isrel Seagraves, one of the owners, was present.

Mr. Seagraves said the 4-man crew was away. They took the diamond drill with them to be repaired or to get a larger machine.

No diamond drilling was done on the three proposed holes in the DMEA contract.

A diamond drill hole is collared in the center of the face of the 6825 adit; bearing S. 75° E. and inclining + 16 degrees. This hole was designated as hole B in the Seagraves Mining Company, Inc. proposal to drill two additional holes prior to the three holes in the DMEA contract.

Core recovered from the drilling of the above hole between 65 feet from the collar of the hole and ± 180 feet was inspected. An EX bit was used. No core representing the first 65 feet drilled was in the core box. Mr. Seagraves mentioned that some mineralization had been penetrated by the drill hole. He could give no information in regard to it, and it was hard to tell from the manner the core was placed in the core box where the mineralization occurred and the mineralized core had been taken away by the drill crew to be assayed.

Mr. Seagraves was informed by the writer that no work had been completed on the DMEA contract.

William M. Romischer

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

1201 N. Division St.
Spokane 2, Washington

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July 31, 1957

MEMORANDUM

To: DMEA Field Team, Region I

From: William M. Romischer, Mining Engineer, Bureau of Mines

Subject: Interim inspection report, Docket No. DMEA-4007 (lead-zinc), Seagraves Mining Company, Custer County, Idaho, Contract No. Idm-E1017

The property was visited August 9. Mr. James Seagraves, foreman, was present.

No DMEA contract work had been started at the property at the time of the inspection. The project was to begin on or before July 15, 1957.

The diamond drill hole collared in the center of the face of the 6825 adit was drilled 185 feet. No mineralization was encountered by this hole.

A three-man crew is busy bulldozing a road along the mountain side from the mill road to a little below the 7200 drift where mineralization containing gold, silver, lead, zinc, and copper occurs in the adit and a shallow shaft.

The access road upon completion will be 2300 ± feet long; about 900 feet remains to be bulldozed; considerable blasting in rock is required.

William M. Romischer

William M. Romischer

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

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

RECEIVED DEC 18 1956 D.M.E.A.

December 14, 1956

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

Re: Docket No. DMEA-4007 (Lead-Zinc)
Seagraves Mining Co., Inc.
Seagraves Mine
Custer County, Idaho
Contract No. Idm-E1017

Dear Mr. Selfridge:

Enclosed are the Government, Docket, and Division copies of the above-referenced contract.

By copy of this letter other copies of the contract are being distributed.

Sincerely yours,

A. E. Weissenborn

A. E. Weissenborn
Executive Officer, DMEA
Field Team, Region I, NW District

Enclosures

cc: Finance Office w/encl.
USBM (2)
Alvord

Granville

Betty

[illegible]
So. 157 Howard Street
Spokane 4, Washington

December 5, 1956

Mr. V. D. Warner, Secretary
Seagraves Mining Co., Inc.
3439 N.E. Sandy Blvd.
Portland 13, Oregon

Docket

Re: Docket No. [illegible]-4007 (lead-zinc)
Seagraves Mine
Custer County, Idaho

Dear Mr. Warner:

We have carefully considered your request that two holes be drilled prior to the three holes proposed in the contract. Most of the veins in the Seafoam district have proven to be of short dip length. For that reason it seems more advisable to drill first the holes proposed in the contract which should cut the vein from 100 to 140 feet below the level of the 7,200 adit, or about half way between the 7200 level and the level of the lower adit. If the results of drilling these three holes are sufficiently encouraging, we would be glad to consider a request for additional exploration.

As you stated in the first paragraph of your letter that Seagraves Mining Company, Inc. is prepared to accept the contract as it stands, we are returning the original and five copies for your further consideration.

By Field Team, Region I, NW Dist.

Wing G. Renew, Acting Exec. Officer
U. S. Bureau of Mines

Donald M. Maclaren, Acting Director
U. S. Geological Survey

Enclosures
cc: DMEA(2) w/cy incoming ✓
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Alfred w/cy incoming

RECEIVED
DEC 10 1956
DMEA

DMEA (2)

Portland, Oregon
November 30, 1956

United States Department of the Interior
Defense Minerals Exploration Administration
No. 157 Howard Street
Spokane 4, Washington

In re: Docket No. DMEA-4007 (Lead-Zinc)
Seagraves Mining Company, Inc.
Seagraves Mine
Custer County, Idaho

Gentlemen:

Enclosed herewith please find all copies of your contract No. IDm-E1017 furnished to us relative to your above-numbered docket. Seagraves Mining Company, Inc. has carefully reviewed the contract with its engineer, and is prepared to accept it in the event your Department rejects its counter proposal.

The corporation proposes that the contract be amended to include two additional drill holes, to be drilled prior to the three drill holes proposed by your submitted contract. Both of the holes which we propose be added would originate in the existing cross-cut, one for the purpose of intersecting the lower segment of the vein below the fault line, which start at the end of the existing cross-cut and proceed 135 feet at the same angle of the cross-cut, the other would start at a point in the cross-cut ahead of that where the fault line would proceed upward at an angle equal to or less than that of the fault line for 130 feet for the purpose of intersecting the upper segment of the vein. Enclosed are sketches numbered 1 and 2 detailing the proposed drill holes from two different views.

Since the total expense of the project would be increased but very slightly through the addition of the two drill holes as proposed, it is difficult to believe that your Department would decline the proposal for economic reasons. More important, however, is the fact that this additional exploration would, without question, give your Department additional and most valuable information as to the location of or lack of location of ore deposits in the mountain in question. Certainly it would be of great advantage to have some factual information as to the location of the upper and lower segments of the vein with relation to the existing cross-cut. Since this information might be secured at a cost to your Department of less than $1,000.00, our company is of the opinion that it would be false economy not to make the two drill holes from the cross-cut as herein

proposed, and that they should be made prior to the three drill holes proposed by your above-numbered contract. Therefore I ask that you give this counter proposal your serious consideration, and that you amend your contract to conform therewith. However, if your Department is unwilling to make the amendment, then we request that you return the contract in the form as heretofore submitted to us and we will immediately sign the required number of copies and return them to you, assuming, of course, you do not wish to make some other recommendations as to possible drilling from the cross-cut in line with but in variance to the proposal of our company.

Your courtesy in giving this matter your prompt and considered attention will be most sincerely appreciated.

Yours very truly,

SEAGRAVES MINING COMPANY, INC.

BY_____
Secretary

SEAGRAVES MINING CO.

Attached hereto are plans showing proposed additional drilling.

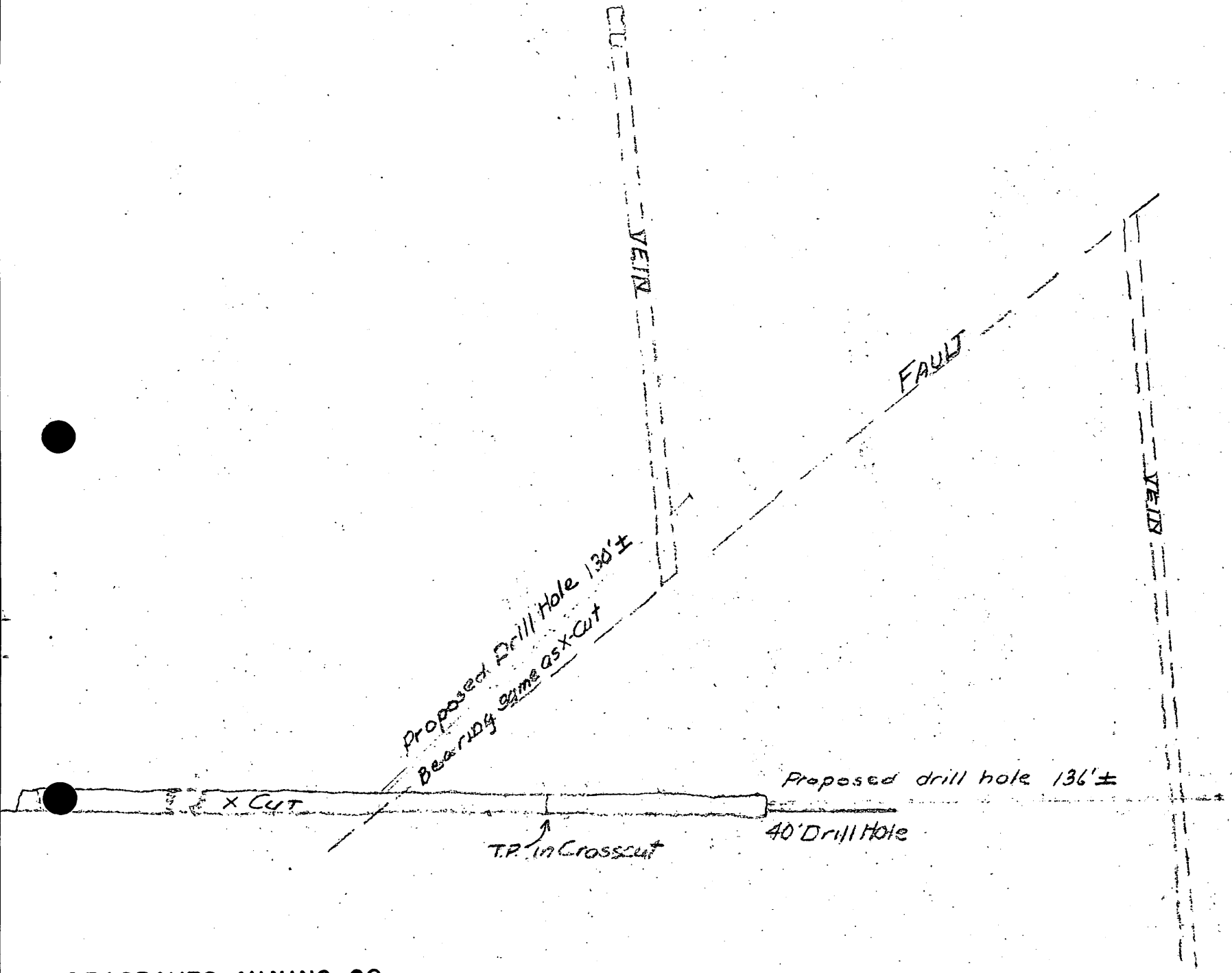
Purpose: to locate downward portion of vein above fault; to locate vein at level of lower X-cut.

Hole A 130 ±

Hole B 136 ±

Locations subject to results of transit survey for accuracy of location and bearing of holes.

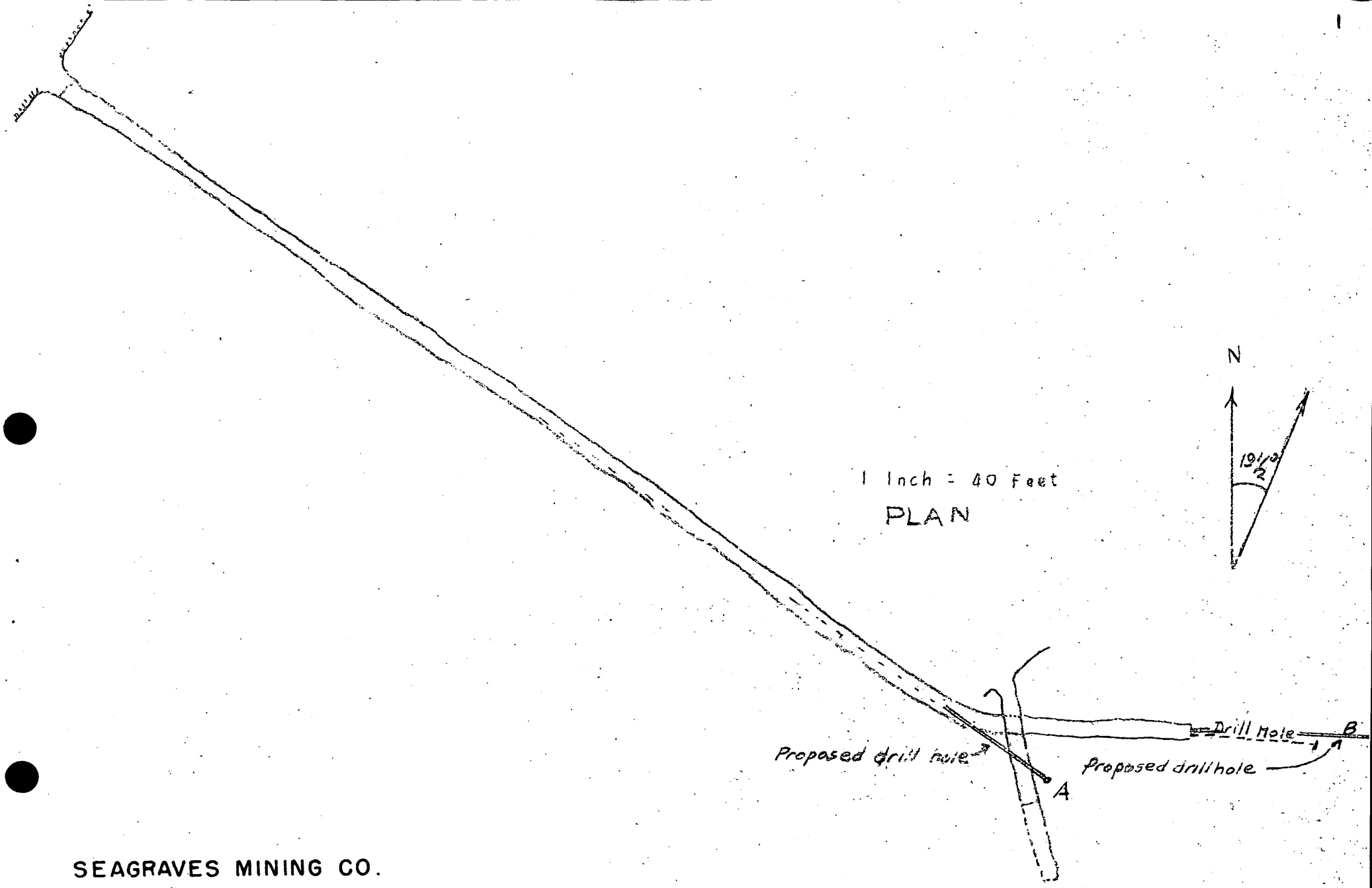
If results of drilling these two holes are as anticipated, it will be possible to raise to the vein at some point in the vicinity of the twin in the X-cut and to X-cut to intersect the segment of the vein lying below the fault.




SEAGRAVES MINING CO.

X-SECTION

RECEIVED
DEC 10 1956
D.M.E.A.




SEAGRAVES MINING CO.

RECEIVED
DEC 10 1956
D.M.E.A.

xxxxxxxxxxxxxxxxx
So. 157 Howard Street
Spokane 4, Washington

November 28, 1956

Docket Granted
Betty

Seagraves Mining Company, Inc.
3439 NE Sandy Boulevard
Portland 13, Oregon

Re: Docket No. DMEA-4007 (Lead-Zinc)
Seagraves Mining Company, Inc.
Seagraves Mine
Custer County, Idaho

Gentlemen:

On October 19, 1956, we forwarded to you the original and five copies of proposed Contract No. Idm-E1017, signed for the Government by the Administrator, Defense Minerals Exploration Administration, requesting you, if the contract met with your approval, to sign all copies, retain the one marked for the Operator, and return the others to this office.

As yet we have not heard from you. If the contract does not meet with your approval, will you please return all copies with your comments.

An early reply will be appreciated.

By Field Team, Region I, NW District

Wing G. Agnew, Acting Exec. Officer
U. S. Bureau of Mines

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

Donald R. MacLaren, Acting Member
U. S. Geological Survey

Defense Minerals Exploration Administration
Interior Building
Washington 25, D. C.

RECEIVED
OCT 26 1956

1605 Evans Avenue
Reno, Nevada

October 24, 1956

Mr. Paul Gemmill, Gen. Mgr.
Combined Metals Reduction Co.
218 Felt Bldg.
Salt Lake City, Utah

Docket

Re: Docket No. DMEA-4096 (lead-zinc)
Pan American Mine
Lincoln County, Nevada

Dear Mr. Gemmill:

Pursuant to our telphone conversation October 22, 1956 relative to your application for Government assistance, the following points will be discussed with Mr. Reginald Lee by Mr. Gentry during his visit in Pioche October 27, 1956:

1. The possibility of subjecting to royalty payments to the Government all ore presently exposed from the collar of the shaft to the bottom of the shaft.

   The above area would probably include the following additional mining claims: Ramona 4734, Ronnow 4734, Ramona No. 1, Dorothy 4734, Ramona No. 2.

2. This would require "Owner's Consent to Lien" be obtained on the additional claims; and an extension of royalty to a 15 year period instead of the customary 10 year period.

3. Additional diamond drilling depending upon results from the following proposed work:

| | |
|---|---|
| Extension of shaft: | |
| 400 feet @ $121.00/ft. | $48,400.00 |
| Diamond drilling: | |
| 2,000 feet @ $7.00/ft. | 14,000.00 |
| | $62,400.00 |

Very truly yours,

S. Ricker
Executive Officer
DMEA Field Team, Region II

SRicker:gh
cc: Opr. Com., DMEA, Wash., D.C.
R. M. Smith
File

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

RECEIVED
OCT 23 1956

No. 157 Howard Street
Spokane 4, Washington

October 19, 1956

Seagraves Mining Company, Inc.
3439 NE Sandy Boulevard
Portland 13, Oregon

Re: Docket No. DMEA-4097 (Lead-Zinc)
Seagraves Mining Company, Inc.
Seagraves Mine
Custer County, Idaho

Gentlemen:

Enclosed are the original and five copies of proposed contract No. Idm-E1017, signed for the Government by the Administrator, Defense Minerals Exploration Administration. If the contract meets with your approval please sign all copies, retain the one marked for the Operator, and return the others to this office. If it does not meet with your approval, please return all copies of the contract with your comments.

Please note that under Article 3 of the contract the date for starting the contract is "on or before July 15, 1957" and that work is to be completed "by September 15, 1957." You can start before July 15 if you wish; however, if weather conditions preclude your starting by July 15, 1957, an amendment will be required to permit a later start. Please contact us shortly before you commence work.

In order that possible future misunderstanding may be avoided concerning royalty payment provisions, we wish to point out that Article 8 of the contract applies to any production from the land described in the contract whether or not the ore was known to exist prior to the date of the contract or whether it is discovered or developed by the work under the contract.

By Field Team, Region I, NW District

Wing C. Agnew, Acting Exec. Officer
U. S. Bureau of Mines

Donald R. Maclaren, Acting Member
U. S. Geological Survey

Enclosures

cc: DMEA (2)
USBM (2)
USBM (AM)
Alvord

COPY

RECEIVED
OCT 25 1956

COPY

ST. JOSEPH LEAD COMPANY

Bonne Terre, Missouri
October 18, 1956

Mr. Clinton C. Knox
Executive Officer
DMEA Field Team, Region IV
P. O. Box 431
Joplin, Missouri

Re: DMEA-4443 (lead-zinc-copper)
St. Joseph Lead Co.
Texas and Shannon Counties, Mo.

Dear Mr. Knox:

Enclosed are photoprints of drill hole logs requested by Mr. Dewey Amos during your recent visit. I believe these will give him all the information that he desires.

You mentioned that we should include in our application a figure for assay costs. We believe that a fair charge for these assays made in our own laboratory would be $1.00 per determination, either Pb, Zn or Cu.

Our meeting with you and Mr. Amos has assisted us very much in understanding the purpose of the DMEA program and the procedures involved and we wish to express our appreciation to you.

Very truly yours,

John S. Brown,
Chief Geologist

JSB/jcp

Made and sent copies to:
DMEA Op.Com.(2) w/6 encl.ea.
Amos,USGS,Champaign w/6 encl.
10-19-56

C.C.K.

FORM 1176-2-54

Crater driller.

DATE BOTTOMED 2-23-56 ST. NO. R.D. 12 ST. ELEV. _____ CLASS BLANK HOLE NO. 56W30

DESCRIBED BY L.H.H. AREA Reynolds County ELEVATION COLLAR 916.00

DATE ESTIMATED 2-24-56 OPTION NO. R-14 COORDINATES: N SE¼-SE¼-Sec. 35

BY L.H.H. TRACT MISSOURI CONSERVATION COMMISSION 200 FT. MAP NO. _____ 50 FT. MAP NO. T30N-R2W

650N - 130W

GENERAL HOLE DATA

HT. SLEEVE ABOVE GR 1.00 FT.

FORM BOTT. SL. POTOSI

DRILLED WITH:

| | DEPTH | ELEV. |
|---|---|---|
| CHURN DRILL TO | 811 | 105 |
| SLEEVE BIT TO | | |
| BEGAN CORING AT | 811 | 105 |

SAVED CORES FROM FORMATIONS:

| | TO | | |
|---|---|---|---|
| SOIL | " | | |
| EMINENCE | " | | |
| POTOSI | " | 867 | 49 |
| POTOSI-DERBY | " | | |
| DERBY DOE RUN | " | 981 | -65 |
| DAVIS (C.B.-[illegible]) | " | 1153 | -237 |
| BONNE TERRE | " | 1499 | -583 |
| B. T. TRANS. | " | 1510 | -594 |
| CONGLOMERATE | " | | |
| LAMOTTE ~~20~~? | | 1536 | -620 |
| LA MOTTE | " | 1546 | -630 |
| GRAN. OR POR. | " | | |

PICTURES: FROM 811 105 TO 1546 -630

CHAR. SAMPLES: FROM 811 105 TO 1546 -630

INSOL. RES.: FROM TO

OPENINGS AT

MINERALIZATION RECORD

| ROCK TYPE | DEPTH FROM | DEPTH TO | ELEV. BOTT. | THICKNESS | % LEAD ASSAY | % LEAD EST. | FT. % | % ASSAY | % EST. | FT. % |
|---|---|---|---|---|---|---|---|---|---|---|

REMARKS

BLANK.

CORE REC.

| TO | CORES LOST |
|---|---|
| 811 | |
| 826 | 7.4 |
| 836 | [illegible] |
| 842 | [illegible] |
| 856 | 3.7 |
| 866 | 6.0 |
| 876 | 5.6 |
| 893 | [illegible] |
| 9.3 | [illegible] |
| 1237 | |
| 1257 | 2.8 |
| 1266 | [illegible] |
| 1276 | [illegible] |
| 1286 | [illegible] |
| 1303 | [illegible] |
| 1316 | 4.0 |
| 1326 | 4.0 |
| 1336 | [illegible] |
| 1346 | [illegible] |
| 1356 | 5.0 |
| 1366 | 3.[illegible] |
| 137[illegible] | |
| 1386 | 2.3 |
| 1393 | 2.0 |
| 1401 | 2.5 |
| 1416 | 0.8 |
| 1428 | 1.0 |
| 1522 | — |
| 1534 | 0.5 |
| 1546 | 2.1 |

88.5% Core Recovery
1138-1546

RECEIVED MINERALS TECHNOLOGY DIVISION OCT 19 1956 BUREAU OF MINES JOPLIN, MO.

RECEIVED OCT 25 1956

FORM 1173-2-84

Crosler.

DATE BOTTOMED 1-27-56 ST. NO. RD-11 ST. ELEV. _____ CLASS TRACE HOLE NO. 56W18

DESCRIBED BY L. H. H. AREA REYNOLDS COUNTY ELEVATION COLLAR 830 TOPOG

DATE ESTIMATED 1-30-56 OPTION NO. R-6 COORDINATES: N SE¼-SW¼-SEC 30

BY L. H. H. TRACT RAY BECK. 200 FT. MAP NO. _____ 50 FT. MAP NO. T30N-R1W

GENERAL HOLE DATA

HT. SLEEVE ABOVE GR 1.00 FT.

FORM BOTT. SL. POTOSI

| | DEPTH | ELEV. |
|---|---|---|
| DRILLED WITH: | | |
| CHURN DRILL TO | 658 | 172 |
| SLEEVE BIT TO | | |
| BEGAN CORING AT | 658 | 172 |
| SAVED CORES FROM | | |
| FORMATIONS: | | |
| SOIL TO | | |
| " | | |
| EMINENCE " | | |
| POTOSI " | 723 | 107 |
| POTOSI-DERBY " | | |
| DERBY DOE RUN " | 827 | 8 |
| DAVIS (C B [illegible]) " | 1006 | -176 |
| BONNE TERRE " | 1343 | -513 |
| Savoy B.T. | 1379 | -549 |
| B. T TRANS. " | | |
| CONGLOMERATE " | | |
| LaMotte ? | 1396 | -566 |
| LA MOTTE " | 1406 | -576 |
| GRAN OR POR. " | | |
| PICTURES: FROM | 658 | 172 |
| TO | 1406 | -576 |
| CHAR. SAMPLES: FROM | 658 | 172 |
| TO | 1406 | -576 |
| INSOL. RES.: FROM | | |
| TO | | |
| OPENINGS AT | | |

MINERALIZATION RECORD

| ROCK TYPE | DEPTH FROM | DEPTH TO | ELEV. BOTT. | THICKNESS | % LEAD ASSAY | % LEAD EST. | FT. % | Cu. % ASSAY | Cu. % EST. | FT. % | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1259.2 | 1259.5 | -439.5 | 0.3 | 0.0 | | | TR | | | TR. SIEGENITE |
| | 1285.6 | 1285.8 | -455.8 | 0.2 | 0.0 | | | TR | | | Vug |
| | 1337.4 | 1343.0 | -513.0 | 5.6 | 0.0 | | | 0.0 | | | TR Zn. Specks |
| | 1350.3 | 1350.6 | -520.6 | 0.3 | TR | | | | | | Seam TR. |
| | 1351.6 | 1351.9 | -521.9 | 0.3 | 0.0 | | | TR | | | Vug |
| | 1354.0 | 1354.2 | -524.2 | 0.2 | 0.0 | | | TR. | | | Fe limonite & Siegenite |
| | 1356.7 | 1356.9 | -526.9 | 0.2 | 0.0 | | | TR | | | in Vug. |

CORE REC.

| TO | CORES LOST |
|---|---|
| 658 | |
| 716 | 15.2 |
| 728 | 1.2 |
| 738 | — |
| 752 | 0.6 |
| 1046 | — |
| 1066 | 0.8 |
| 1086 | — |
| 1105 | 0.9 |
| 1125 | 3.1 |
| 1144 | 7.1 |
| 1166 | 4.7 |
| 1187 | 4.9 |
| 1205 | 4.6 |
| 1216 | 0.5 |
| 1236 | 1.0 |
| 1250 | 1.8 |
| 1269 | 3.0 |
| 1289 | 1.2 |
| 1303 | 0.8 |
| 1363 | — |
| 1376 | 3.6 |
| 1386 | 3.6 |
| 1406 | 4.0 |

RECEIVED
MINERALS TECHNOLOGY
DIVISION
OCT 19 1956
BUREAU OF MINES
JOPLIN, MO.

88.9% Core Recovery

FORM 1173-2-54

Crater.

DATE BOTTOMED 1-10-56 ST. NO. R.D. 10 ST. ELEV. _____ CLASS BLANK HOLE NO. 56W7

DESCRIBED BY L.H.H. AREA Reynolds County ELEVATION COLLAR 845 (Grade)

DATE ESTIMATED 1-11-56 OPTION NO. R-3 COORDINATES: N NW¼-SW¼-Sec 21 E _____

BY L.H.H. TRACT LESLIE C. BAKER. 200 FT. MAP NO. _____ 50 FT. MAP NO. T30S-R4W

GENERAL HOLE DATA

HT. SLEEVE ABOVE GR 2.00 FT.

FORM BOTT. SL. Potosi

| | DEPTH | ELEV. |
|---|---|---|
| DRILLED WITH: | | |
| CHURN DRILL TO | 630 | 215 |
| SLEEVE BIT TO | 631 | 214 |
| BEGAN CORING AT | 631 | 214 |
| SAVED CORES FROM | | |
| FORMATIONS: | | |
| SOIL TO | | |
| " | | |
| EMINENCE " | | |
| POTOSI " | 677 | 168 |
| POTOSI-DERBY " | | |
| DERBY DOE RUN " | 776 | 69 |
| DAVIS (C.B.-S.B.) " | 953 | -108 |
| BONNE TERRE " | 1277 | -432 |
| Savoy B.T. | 1302 | -457 |
| B. T. TRANS. " | | |
| CONGLOMERATE " | | |
| LA MOTTE W.S. " | 1336 | -491 |
| GRAN. OR POR. " | | |

PICTURES: FROM 631 214 TO 1336 -491

CHAR. SAMPLES: FROM 631 214 TO 1336 -491

INSOL. RES.: FROM _____ TO _____

OPENINGS AT

MINERALIZATION RECORD

| ROCK TYPE | DEPTH FROM | DEPTH TO | ELEV. BOTT. | THICKNESS | % LEAD ASSAY | % LEAD EST. | FT. % | % Zn. ASSAY | % Zn. EST. | FT. % | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1225.0 | 1226.0 | -381.0 | 1.0 | | 0.0 | | | TR. | | quartz on vugs |
| | 1279.0 | 1280.0 | -435.0 | 1.0 | | 0.0 | | | TR. | | barite |
| | 1286.0 | 1286.4 | -441.4 | 0.4 | | 0.0 | | | TR | | heavy vug filling |

CORE DES.

| TO | CORE LOST |
|---|---|
| 631 | |
| 676 | 10.1 |
| 689 | — |
| 719 | 6.6 |
| 740 | — |
| 761 | 0.6 |
| 962 | — |
| 1011 | 6.5 |
| 1031 | — |
| 1064 | 8.7 |
| 1100 | 9.6 |
| 1140 | 8.7 |
| 1198 | 11.6 |
| 1276 | 7.7 |
| 1296 | — |
| 1314 | 3.0 |
| 1326 | 0.1 |
| 1336 | 0.3 |

RECEIVED
MINERALS TECHNOLOGY
DIVISION
OCT 19 1956
BUREAU OF MINES
JOPLIN, MO.

86.1% Core Recovery.

RGW

FORM 1179-B-01

Cuder.

DATE BOTTOMED 12-23-55 DT. NO. RA-9 DT. ELEV. _____ CLASS BLANK MOLE NO. 55W214

DESCRIBED BY L.N.H. AREA REYNOLDS COUNTY ELEVATION COLLAR 1050 TOPOG

DATE ESTIMATED 12-28-55 OPTION NO. R-5 COORDINATES: N NE¼-SW¼-SW¼ E

BY L.N.H. TRACT FRANK BAKER 200 FT MAP NO. _____ 50 FT. MAP NO. T30N-R1W

CORE REC.

GENERAL HOLE DATA

HT. SLEEVE ABOVE GR. 2.00 FT.

FORM BOTT. OL. POTOSI

| | DEPTH | ELEV. |
|---|---|---|
| DRILLED WITH: | | |
| CHURN DRILL TO | 727 | 323 |
| SLEEVE SIT TO | 728 | 322 |
| BEGAN CORING AT | 728 | 322 |
| SAVED CORES FROM | | |

FORMATIONS:

| | | | |
|---|---|---|---|
| SOIL | TO | | |
| | " | | |
| EMINENCE | " | | |
| POTOSI | " | 856 | 194 |
| POTOSI-DERBY | " | | |
| DERBY DOG RUN | " | 952 | 98 |
| DAVIS (C.D.-O.D.) | | 1124 | -74 |
| DONNE TERRE | " | 1423 | -373 |
| Savoy B.T. | | 1467 | -417 |
| D. T. TRANS. | " | | |
| CONGLOMERATE | " | | |
| LA MOTTE W.S. | " | 1491 | -441 |
| GRAN. OR POR. | " | | |

PICTURES: FROM 728 322
TO 1491 -441

CHAR. SAMPLES: FROM 728 322
TO 1491 -441

INSOL. RES.: FROM
TO

OPENINGS AT

MINERALIZATION RECORD

| ROCK TYPE | DEPTH FROM | DEPTH TO | ELEV. BOTT. | THICK. NESS | % LEAD ASSAY | % LEAD EST. | FT. % | % ASSAY | % EST. | FT. % | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| BLANK. | | | | | | | | | | | |

| CORED TO | CORED LOST |
|---|---|
| 728 | |
| 956 | 8.0 |
| 791 | 14.1 |
| 826 | 20.3 |
| 859 | 16.4 |
| 909 | 18.8 |
| 937 | 1 |
| 1176 | – |
| 1206 | 3.2 |
| 1236 | 0.0 |
| 1246 | – |
| 1276 | 3.3 |
| 1316 | 0 |
| 1343 | |
| 1376 | 10. |
| 1386 | – |
| 1400 | |
| 1410 | |
| 1426 | |
| 1446 | 2. |
| 1466 | 1. |
| 1481 | 4.7 |
| 1491 | 2.5 |

RECEIVED OCT 25 1956

RECEIVED MINERALS TECHNOLOGY DIVISION OCT 19 1956 BUREAU OF MINES JOPLIN, MO.

98.0 % Core Recovery

Ram

FORM 1175-9-61

Crosby.

DATE BOTTOMED 11-9-55 DT. NO. RD-14 ST. ELEV. _____ CLASS BLANK. HOLE NO. 55W191

DESCRIBED BY L.N.H. AREA Reynolds County ELEVATION COLLAR 670.0 Topo

DATE ESTIMATED 11-10-55 OPTION NO. R-15 COORDINATES: N SE¼-SE¼ Sec 14

BY L.N.H. TRACT Missouri Conservation Comm. 200 FT MAP NO. _____ 50 FT. MAP NO. T34N-R3W

GENERAL HOLE DATA

HT. SLEEVE ABOVE GR 2.00 FT.

FORM BOTT. OL. Potosi

| | DEPTH | ELEV. |
|---|---|---|
| DRILLED WITH: | | |
| CHURN DRILL TO | 462 | 208 |
| 2" SLEEVE DIT TO | 463 | 207 |
| BEGAN CORING AT | 463 | 207 |
| SAVED CORES FROM | | |

FORMATIONS:

| | | | |
|---|---|---|---|
| BOIL | TO | | |
| | " | | |
| EMINENCE | " | | |
| POTOSI | " | 558 | 112 |
| POTOSI-DERBY | " | 596 | 74 |
| DERBY DOE RUN | " | 682 | -12 |
| DAVIS (C.D.-D.D.) | | 877 | -207 |
| DONNE TERRE | " | 1210 | -540 |
| G. T. TRANS. | " | | |
| CONGLOMERATE | " | | |
| LA MOTTE | " | | |
| Porphyry ~~GR~~ POR. | " | 1230 | -560 |

PICTURES: FROM 463 207 TO 1230 -560

CHAN. SAMPLES: FROM 463 207 TO 1230 -560

INCOL. RES.: FROM _____ TO _____

OPENINGS AT _____

MINERALIZATION RECORD

| ROCK TYPE | DEPTH FROM | DEPTH TO | ELEV. BOTT. | THICK. NESS | % LEAD ASSAY | EST. | FT. % | % ASSAY | EST. | FT. % | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| BLANK. | | | | | | | | | | | |

RECEIVED
MINERALS TECHNOLOGY
DIVISION
OCT 19 1956
BUREAU OF MINES
JOPLIN, MO.

CORE REC.

| TO | CORES LOST |
|---|---|
| 463 | |
| 516 | 28.7 |
| 556 | 16.1 |
| 576 | — |
| 626 | 10.5 |
| 656 | — |
| 666 | [illegible] |
| 766 | — |
| 798 | 2.5 |
| 806 | — |
| 838 | 15.5 |
| 906 | — |
| 916 | 1.7 |
| 936 | — |
| 951 | 1.6 |
| 963 | [illegible] |
| 976 | 4.6 |
| 984 | 2.[illegible] |
| 1024 | |
| 1036 | 3.5 |
| 1056 | — |
| 1069 | 2.[illegible] |
| 1086 | 3.[illegible] |
| 1206 | — |
| 1223 | 1.5 |
| 1230 | 3.[illegible] |

86.6 % Core Rec.

FORM 1173-3-91

CRADER

DATE BOTTOMED 10-21-55 ST. NO. RD-15 ST. ELEV. _____ CLASS BLANK HOLE NO. 55CW183

DESCRIBED BY L.H.H. AREA ~~Reynolds~~ SHANNON County ELEVATION COLLAR 590.00 Topo

DATE ESTIMATED 10-24-55 OPTION NO. R-15 COORDINATED: N NW¼-SW¼ Sec 8 W

BY L.H.H. TRACT Mo. Conservation Comm. 200 FT MAP NO. _____ ~~SQ.~~ MAP NO. T29N-R2

RECEIVED OCT 25 1956

GENERAL HOLE DATA

HT SLEEVE ABOVE GR 2.00 FT.

FORM BOTT. SL. Potosi

| | DEPTH | ELEV. |
|---|---|---|
| DRILLED WITH: | | |
| CHURN DRILL TO | 467 | 123 |
| SLEEVE BIT TO | 468 | 122 |
| BEGAN CORING AT | 468 | 122 |
| SAVED CORES FROM | | |
| FORMATIONS: | | |
| SOIL TO | | |
| " | | |
| EMINENCE " | | |
| POTOSI " | 587 | 83 |
| POTOSI-DERBY " | | |
| DERBY DOE RUN " | 607 | -17 |
| DAVIS (C.B.-G.B.) | 766 | -176 |
| DONNE TERRE " | 1161 | -571 |
| D. T. TRANS. " | | |
| GRIT: SHALES | 1176 | -586 |
| Porphyry- CONGLOMERATE " | 1267 | -677 |
| LA MOTTE " | | |
| Porphyry ~~CONGLOMERATE~~ FOR. " | 1294 | -704 |
| PICTURES: FROM | 468 | 122 |
| TO | 1294 | 704 |
| CHAR. SAMPLES: FROM | 468 | 122 |
| TO | 1294 | -704 |
| INDOL. RED.: FROM | | |
| TO | | |
| OPENINGS AT | | |

MINERALIZATION RECORD

| ROCK TYPE | DEPTH FROM | DEPTH TO | ELEV. BOTT. | THICK. NESS | % LEAD ASSAY | % LEAD EST. | FT. % | % ASSAY | % EST. | FT. % | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| BLANK. | | | | | | | | | | | |

RECEIVED MINERALS TECHNOLOGY DIVISION OCT 19 1956 BUREAU OF MINES JOPLIN, MO.

94.0 % Core Recovery.

1286 - 0.5
1295 - 0.9
1297 - 0.6
1294 - —

CORE RU

| TO | CO LO |
|---|---|
| 468 | |
| 480 | 5. |
| 492 | 2. |
| 506 | 6 |
| 516 | — |
| 526 | 3. |
| 546 | 3. |
| 622 | — |
| 641 | 1. |
| 786 | — |
| 800 | 0. |
| 808 | 1. |
| 819 | 0. |
| 829 | 2. |
| 831 | 1. |
| 836 | 1. |
| 866 | — |
| 882 | 1 |
| 887 | 0. |
| 906 | 6. |
| 926 | — |
| 946 | 1. |
| 1026 | — |
| 1036 | 0. |
| 1133 | — |
| 1149 | 1. |
| 1169 | — |
| 1178 | 1. |
| 1186 | 2. |
| 1186 | 5. |
| 1206 | 3. |
| 1216 | |

File Copy
Surname

Griswold
Chairman
Selfridge
Mitchenoff

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

OCT 1 1956

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

Re: Docket No. DMEA-4007 (Lead-Zinc)
Seagraves Mining Company, Inc.
Seagraves Mine
Custer County, Idaho

Dear Mr. Weissenborn:

As recommended in your letter of August 24, we are enclosing the original and five copies of a contract covering the cited project. The contract consists of Form NF-200, Annex I (one page), Exhibit "A" (three pages), and a map. The Consent to Lien is also attached to all contract copies. Two extra copies of Annex I, Exhibit "A" and the map are enclosed for use of the Field Team.

Please note that under Article 3 of the contract the dates for starting and completion of the work have not been inserted. Since climatic conditions may effect the work program you should insert dates which seem feasible.

If the contract meets with your approval, please present it to the Operator for signature and, when completed, distribute all copies in the usual manner. If you do not approve, and a proposed change should not be within your delegated authority, kindly return all copies to us, with your recommendations.

Sincerely yours,

George C. Selfridge
Chairman, Operating Committee (GCS)

Enclosures

WRGriswold/er 10/5/56

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

APPROVED: O. M. Bishop
Bureau of Mines (GCS)
Kiilsgaard
Geological Survey (GCS)

R.C.S.

File Copy

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

September 25, 1956

Memorandum

To: Associate Solicitor, Division of Mineral Resources

From: Chief, Base Metals Division

Subject: Preparation of Contract for Docket No. DMEA-4007, Seagraves Mining Company, Inc., Seagrave Mine, Custer County, Idaho

Will you kindly prepare a long form contract covering the cited application, along the lines of the attached rough draft.

Three copies of Owners' Consent to Lien are in the docket, which I presume are adequate.

Please leave starting and completion dates blank, to be filled in by the Field.

W. R. Griswold

W.R. Griswold

WRG/wr

Copy to: Docket
Base Metals
Chron.

Griswold

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

RECEIVED
SEP 17 1956

September 14, 1956

Re: DMEA 4007; Lead-zinc;
$12,566.10
Seagraves Mining Co.,
Seagraves Mine,
Seafoam Min. Dist.
Custer County, Idaho

Memorandum

To: W. R. Griswold, DMEA

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

Subject: Review of Field Team report, dated August 24, received August 27, 1956.

The applicant requests assistance to bore 1,200 feet of diamond drill hole to explore a silicified shear zone (Lone Star Vein) in quartz monzonite, and to bulldoze a road at a total cost of $12,566.10.

The field examiners observed that sulfide ore shoots of undetermined extent exist in the silicified shear zone, and that at two points the ore averaged 4 feet wide and contained 0.2 ounces gold and 18 ounces of silver per ton with 7 percent lead and 1.5 percent zinc. Other samples indicated excellent lead-silver values. The examiners recommend three diamond drill holes totaling about 1,000 feet to be drilled from the surface to intersect the Lone Star structure 70 feet south and 100 feet below the 7,200 adit-face, 200 feet south and at the same elevation as 7,200 adit-face, and 200 feet south and 150 feet below the 7,200 adit-face. Although mineralization in the shear zone appears quite variable, the examiner and the field team concur that ore showings warrant the recommended program with all holes drilled from one surface drill station.

I concur with the field team in this recommendation and believe the program proposed by the examiners is superior to that outlined by the applicant.

O. M. Bishop

O. M. Bishop

IN REPLY REFER TO:

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

RECEIVED
AUG 31 1956

Griswold

August 31, 1956

Re: DMEA 4007
Seagraves Mining Co.
Seagraves Mine
Custer County, Idaho
Appl. Est. $12,566.10
Rec'd. Est. $10,081.61
Lead-zinc-silver

Memorandum

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

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

Subject: Review of Field Team report

The applicant requested assistance in drilling to find the down dip extension of a short lead-zinc-gold-silver oreshoot. A long crosscut, 380 feet below the principal exposure in a short adit and shallow winze failed to find the projected vein and the drilling, as proposed, was designed to trace the vein by holes in the vein.

The examiners conclude work is warranted and propose to trace the vein downward and laterally by diamond drill holes from the surface. Three holes totalling not to exceed 1,200 feet are proposed.

I agree as to the work warranty but in view of T. H. Kiilsgaard's comment on the lack of persistence on dip and strike of the Seagraves type of vein, I suspect too much 'lead' is being given the holes recommended.

However, I concur with the recommendation of the examiners and the Field Team.

N. E. Nelson

N. E. Nelson

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

RECEIVED
AUG 27 1956
Grunwald

August 24, 1956

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

Re: Docket No. DMEA-4007 (Lead-Zinc)
Seagraves Mining Company, Inc.
Seagraves Mine
Custer County, Idaho

Dear Mr. Selfridge:

Enclosed are four copies of a field examination report on the claims of the Seagraves Mining Company. The applicant proposes to explore a silicified shear zone in quartz monzonite by diamond drilling three holes totaling 1,200 feet at a total cost of $12,566.10.

A potential ore shoot of undetermined size is indicated in a short drift and in nearby surface pits. Two samples taken from the best looking vein material in the drift have a combined average lead-zinc content of 8.5 percent, and an average content of 0.2 ounce gold, and 18.0 ounces silver per ton.

The Field Team examiners conclude that a limited exploration program is warranted and recommend that a contract to provide for the drilling of three diamond drill holes, differing in location, direction, and depth, from the holes proposed by the applicant, at an estimated total cost of $10,081.61, be prepared.

The Field Team concurs with this recommendation.

By Field Team, Region I, NW Dist.

Reviewed by
DMEA OPERATING COMMITTEE
8-31-56
(date)

for Thomas E. Howard
Wing G. Agnew, Acting Exec. Officer
U. S. Bureau of Mines

D. R. MacLaren
D. R. MacLaren, Acting Member
U. S. Geological Survey

Enclosures

cc: USBM (2)
USGS(SRO)
Alvord

P.S. Also enclosed are two copies of an estimate on drilling costs by Nichols & Thompson Core Drilling Co., dated Aug. 18, and two copies of a letter from the Operator, dated Aug. 20, listing estimated costs as supplied by other drilling firms.

Diamond Drilling Contractor

[redacted]

505 SOUTH 16TH
PHONE 4-1464
BOISE, IDAHO
P. O. BOX 2087

August 18, 1956

Seagraves Mining Company, Inc.,
3439 N.E.Sandy Blvd
Portland, Oregon

Gentlemen:

We are sending you this estimate on drilling costs at the request of Mr. Hathaway, to expedite the development of the property in the Seafoam District. The following is a quotation only and will not be binding as actual contract costs. Due to the press of drilling activities, we have been unable to visit the site on the proposed drilling and therefore the following figures are estimates on our part only.

| | | |
|---|---|---|
| Total Mobilization | | $350.00 |
| Pipe driving for overburden drilling if any | | 10.00 per foot |
| AX Drilling in rock | $7.00 to | 9.00 per foot |
| EX Drilling in rock | 5.00 to | 7.00 per foot |

We are sorry we have been unable to give this more personal attention and will be glad to work with you and offer any assistance possible on our part in the future.

Yours truly,

NICHOLS & THOMPSON CORE DRILLING CO.INC.

By Dean J Mutch
Dean J Mutch, Business Manager

DJM:Pep

Portland, Oregon
August 20, 1956

United States Department of the Interior
Defense Minerals Exploration Administration
1201 N. Division Street
Spokane 2, Washington

In re: Docket No. DMEA-4007 (lead-zinc)
Seagraves Mining Co., Inc.
Seagraves Mine
Custer County, Idaho

Gentlemen:

Pursuant to the request contained in your letter of August 6, 1956, we have made a sincere effort to obtain three bids for the proposed diamond drilling covered by your above numbered docket. Although we contacted several diamond drilling companies, we were able to secure only one written estimate and it is enclosed herewith, being from Nichols & Thompson Core Drilling Co., Inc., 505 S. 16th Avenue, Boise, Idaho.

Although the estimate of Nichols & Thompson is made without an actual visitation to the mine, the fact is the executives of that firm are familiar with the area and recently were within ten miles of the mine on other business.

For your records, we wish to advise that telephone calls were made to the following firms, and with the possible exception of R. S. McClintock Diamond Drill Co. of Spokane, none of the firms contacted were seriously interested in accepting the employment if it were actually offered to them. However, in almost every instance, they did give us what in their opinion was an honest estimate as to cost.

JOY DRILLING SERVICE
1359 South 2nd West
Salt Lake City, Utah
Phone: HU. 4-8791
Person Contacted: Mr. K. A. Lehner
Estimate: $8 to $10 per foot for solid rock drilling

BOYLES BROS. DRILLING CO.
1321 South Main Street
Salt Lake City, Utah
Phone: HU. 4-4401
Person Contacted: Mr. R. T. Goldsworthy
Estimate: $8 minimum for solid rock drilling

MAJOR'S DRILLING CO.
343 South State Street
Salt Lake City, Utah
Phone: DA. 2-3437
(Unable to secure an answer to phone call from this firm)

COWE RUSSEL & CO.
1514 Longmont Avenue
Boise, Idaho
Phone: 3-1201
Person Contacted: John R. Cowe
Estimate: Declined to make an estimate and showed no interest

R. S. McCLINTOCK DIAMOND DRILL CO.
W. 418 2nd Avenue
Spokane, Washington
Phone: TE. 8-3588
Person Contacted: Peter Wanderer
Estimate: Underground 0 to 350 feet @ $5.90 per foot
Surface Drilling - overburden $13 " "
" " - rock 0 to 300 feet, $11.25 per foot
" " - " 300 to 500 feet, $12.00 per foot

Although we were unable to secure the three estimates desired by your aforementioned letter of August 6, 1956, it is sincerely hoped that the foregoing will be sufficient to serve your needs in the further processing of our application for government assistance.

Yours very truly,

SEAGRAVES MINING CO., INC.

By _____

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
So. 157 Howard Street
Spokane 4, Washington

RECEIVED
AUG 27 1956

ON-SITE REPORT

August 20, 1956

MEMORANDUM

To: DMEA Field Team, Region I, Northwest District

From: D. C. Alvord, Geologist, U. S. Geological Survey, and E. W. Parsons, Mining Engineer, U. S. Bureau of Mines

Subject: Field examination report, Docket No. DMEA-4007 (lead-zinc), Seagraves Mining Company, Inc., Seagraves Mine, Custer County, Idaho

## INTRODUCTION

The property was examined on June 22, 23, and 24, 1956, by D. C. Alvord, Geological Survey, and E. W. Parsons, Bureau of Mines, accompanied by Messrs. W. T. Harmon, President, V. D. Warner, Secretary and Treasurer, and Carl Wallier, Vice-President, Seagraves Mining Company. Messrs. W. H. Arendt, consulting geologist and mining engineer to the applicant, James Seagraves, foreman and part owner of the property, and Isrel Seagraves, part owner, also were present during the examination. Isrel Seagraves and W. H. Arendt were very helpful acting as field assistants. The greatest part of the first day of the examination was consumed reaching the general vicinity of the property from Stanley, Idaho, and thence following a dozer through mud and snow to the pertinent workings. Locally, abundant snow hindered attempts to make a thorough physical traverse during the examination and concealed most of the trace of the target vein or veins, making it necessary for D. C. Alvord to recheck a portion of the property on June 27.

## SUMMARY

At the Seagraves property the principal ore-bearing structure is in a steeply dipping silicified shear zone in quartz monzonite. The ore occurs as sulfide shoots of undetermined size that carry values in silver, lead, and gold. Two samples from the best showing indicate the presence of an ore shoot on a 4-foot vein which has an average content of 0.2 ounce gold per ton, 18 ounces silver per ton, 7 percent lead, and 1.5 percent zinc.

The applicant proposes diamond drilling three holes totaling 1,200 feet to explore the structure at its most promising locality. A program differing from the applicant's in the location, direction of, and footage of the holes is recommended.

Reviewed by
DMEA OPERATING COMMITTEE
8-31-56
(date)

## RECOMMENDATION

The examining team recommends that a contract, as modified herein, be granted which will provide for drilling three diamond drill holes totaling not more than 1,000 feet in depth. The holes are to be started from the surface 260 feet southwest along the trail from the 7200 adit and at a point about 30 feet below the trail, to intersect the vein 70 feet south and 100 feet below the 7200 adit-winze face, 200 feet south of and at the same elevation as the 7200 adit-winze face, and 200 feet south of and 150 feet below the 7200 adit-winze face (pl. 3).

## LOCATION AND ACCESSIBILITY

The Seagraves Mining Co. property in the Seafoam Mining District is 41 miles northwest of Stanley, Idaho, apparently in unsurveyed secs. 15, 16, 21, and 22, T. 14 N., R. 11 E., B.M., Custer County, Idaho. The property may be reached from Stanley by traveling northwest on a graveled county road for 20 miles to Cape Horn Lodge, thence north and east by a winding Forest Service road over Vanity Summit and past the Seafoam Ranger Station to the property, which adjoins the property of the old Seafoam mine. The applicant's property is inaccessible for about six months each year because of heavy snow on Vanity Summit and on the property.

## APPLICANT

The applicant is a company composed of a small number of stockholder associates. The associates, while not mining men, appear to be responsible financially. They stated that the company treasury contains funds to cover the company's share of the proposed contract.

## PROPERTY RIGHTS

The property consists of six unpatented lode mining claims held under a lease-purchase agreement from the owners. Claim data is listed below:

| Name of claim | How owned | Book No. | Page No. |
|---|---|---|---|
| Silver King No. 1 | Lease with option to purchase | 12 | 548 |
| " " No. 2 | " " " " | 12 | 549 |
| " " No. 3 | " " " " | 12 | 550 |
| " " No. 4 | " " " " | 12 | 551 |
| Lone Star No. 1 | " " " " | 12 | 366 |
| " " No. 2 | " " " " | 12 | 366 |

These claims are recorded at the Custer County Courthouse, Challis, Idaho.

## DESCRIPTION OF THE WORKINGS

Workings on the north side of the hill, 400 to 700 feet below the top of the ridge, consist of a 400-foot adit, a 250-foot adit, a 75-foot adit with winze, and surface cuts on the vein. On the south side of the hill 300 to 400 feet below the top of the ridge four or more adits with some interconnecting raises have been driven. Two of the adits are accessible but the others have caved.

## GEOLOGY

The Seagraves property is adjacent to and north of the patented Seafoam group of claims, within the Seafoam Mining District. The geology of the Seafoam district and of the Seafoam mine is reported by C. P. Ross, 1930, Geology and Ore Deposits of the Seafoam, Alder Creek, Little Smoky, and Willow Creek Mining Districts, Custer and Camas Counties, Idaho: Idaho Bureau of Mines and Geology Pamphlet No. 33.

The Seafoam district is underlain by granitic rocks that locally contain abundant aplite and lamprophyre dikes. Xenoliths of dolomite are common in the area and locally small blocks of quartzites and schists are abundant. Two basic types of lode deposits occur in the district: (1) quartz-galena-sphalerite replacement and fissure filling along shear zones in granite and (2) quartz-galena-sphalerite replacement bodies in dolomitic xenoliths. Pyrite and chalcopyrite are fairly common in both types of deposits. Silver, lead, and gold are the metals principally sought.

According to Ross (1930), the Seafoam mine, consisting of about 2,300 feet of underground workings, is in a shear in granite with an average trend of about N. 25° W. and dip of 60° or more northeast. The structure consists of sheared and altered country rock and quartz stringers. Pyrite with some galena and sphalerite are present as the chief sulfides, but gold and silver were the metals sought. The Seafoam structure lies about 2,000 feet southwest of the principal Seagraves structure which appears to have a similar strike and dip.

The Seagraves property is underlain by medium-grained biotite quartz monzonite that locally grades into a leucocratic facies and rarely into a hornblende-biotite facies (pl. 1). Lamprophyre dikes are fairly common in the area whereas pegmatite dikes are rare.

Inclusions of metasediments are abundant; these generally have diffuse contacts with the quartz monzonite and often are strongly migmatized. Assimilation and metamorphism have generally obscured the original character of the sediments which are now mostly quartzitic biotite schists, in places banded with quartz stringers.

Both the dikes and the inclusions of the area have a dominant northerly trend. Minor northward-trending faults, particularly along contacts, are common.

Prospecting on the Seagraves property has been directed towards a steep-dipping northwest-striking mineralized shear which, according to the applicant, can be traced from its strongest showing in the 7200 drift level, on the Lone Star No. 1 claim, southeastward over the ridge and down to tunnels and cuts on the Silver King claims Nos. 3 and 4 (pl. 1). To test this hypotheses a brunton and tape traverse was run from the Silver King No. 4 claim over to the Lone Star workings (pl. 2). This work disclosed a narrow but well-mineralized gold-silver-lead vein on the Silver King Nos. 3 and 4 which strikes and dips about the same as the vein on the Lone Star No. 1. Unfortunately, this structure could not be definitely traced to the Lone Star vein because snow and overburden covered the top of the ridge along more than 1,000 feet of the traverse. It is quite possible, however, that the vein on the Lone Star No. 1 claim is the same vein exposed on the Silver King group, although some offsetting of the structure through faulting may be involved. In any event, the proposed exploration is confined to the locality of the Lone Star No. 1 area and the probable total strike length of the structure is not very critical to this evaluation.

The vein is exposed on the Lone Star No. 1 claim in the 7200 adit and winze through a vertical range of 25 feet and over a length of 75 feet (pl. 1). South of the face, surface trenches trace the vein uphill at least an additional 150 feet, but as snow filled those trenches the vein was not mapped on the surface. North of the 7200 level portal, the first 100 feet downslope is covered by overburden. Continuing downslope from the overburden, evidence of the vein in the bedrock is lacking.

In the application W. M. Arendt, the applicant's geologist, describes a north-trending rift or fault which cuts off the Lone Star vein near the portal of the 7200 adit and winze. However, Mr. Arendt did not allow for a magnetic declination ($19\frac{1}{2}^{\circ}$) during his field studies, so that his fault, if present, would trend northeastward across the portal of the 7200 adit and winze. During our examination, no evidence for this fault was found.

During the summer of 1955, the applicant attempted to reach the Lone Star vein from the 6825 level by crosscutting (pl. 1). The 6825 crosscut was driven southeastward 415 feet, and a 40-foot drill hole extended the exploration 40 feet past the face. Although the crosscut extends about 50 feet beyond its intersection with the projected location of the Lone Star vein, no mineralized structure was found (pl. 3). However, a 4-foot wide shear zone striking parallel to the Lone Star vein and dipping $45^{\circ}$ W. was penetrated about 70 feet west of the projected location of the Lone Star vein. This structure could be a barren portion of the Lone Star vein itself, but it is more likely that normal movement along this shear has resulted in a westward displacement of its hanging wall block, thus leaving the extension of

the Lone Star structure at the 6825 level east of the 6825 crosscut (pl. 4). An additional possibility, of course, is that the Lone Star vein has a short plunge length and simply does not extend 375 feet below the 7200 level to the 6825 level.

The Lone Star vein, as exposed in the 7200 adit and winze, varies from 4 to 5 feet in width and is made up chiefly of sheared and bleached country rock sparsely laced with quartz stringers. The conspicuous sulfides are pyrite together with lesser amounts of arsenopyrite, chalcopyrite, galena, and sphalerite. Where the ore appears lean, the sulfides occur as small, disseminated grains and blebs within the quartz stringers and the sheared country rock, and also as discontinuous veinlets along irregular fractures in the rock. The richer appearing ore is made up of bands, a foot or more wide, and irregular-shaped pods of pure sulfide minerals which are for the most part medium-grained pyrite and arsenopyrite with stringers and lenses of chalcopyrite, galena, and sphalerite. Fragments of dark gray limestone within the vein and at a few places along the hanging wall indicate that replacement metamorphosed sediments, comprising roof pendants, may exert a partial control of the formation of ore shoots.

## SAMPLING

Samples were taken in both the Lone Star and Silver King areas. Sample 270-B, taken on the structure exposed in the Silver King area (pl. 2) assayed 70.6 ounces silver per ton, 6.12 percent lead, and no zinc, over a width of 1.3 feet. A grab sample (269-B) from a stockpile presumably representing the same vein averaged 47.0 ounces silver per ton, 2 percent lead, and 5.4 percent zinc. Although the other two samples (268-B and 271-B) taken on the Silver King claims were very low grade, the possibility of high-grade silver shoots being encountered on the Seagraves property is, nevertheless, enhanced by the relatively high assays of samples 269-B and 270-B.

Exposures in the 7200 adit winze are insufficient to allow reserve calculations but sampling, particularly in the winze (pl. 1, profile of 7200 level) gives some idea of the probable nature of the ore at this locality. Sample 254-B from the toe of the winze and Rankin's 4-foot sample at the heel of the winze indicate that a shoot, 4 feet in width but of unknown strike and plunge lengths, exists that will possibly average 0.2 ounce gold and 18 ounces silver per ton, and about 7 percent lead, 1.5 percent zinc, and 0.21 percent copper.

## CONCLUSION

It is concluded that this property warrants limited exploration and a modified program is recommended.

## PAST OPERATION

The original discovery of the vein or veins was made years ago by gold prospectors, but very little work was done because of the low gold content of the outcropping vein material. The 250-foot adit on the 6800 level and the 75-foot adit and winze on the 7200 level on the north side of the mountain, as well as the work done on the south side of the mountain, was probably done during the 1930's. The 400-foot adit on the 6825 level was driven in 1955. Mr. Isrel Seagraves, who did some of the work on the property, reports that ore has been shipped from the property, but the quantity and grade are not known.

## SOURCES OF SUPPLY

Materials, supplies, and equipment are available in Salmon, Ketchum, and Boise, Idaho. Manpower is available in mining camps in central Idaho. Harlan Creek flows across one point of the property and can furnish some water the year-round. Sufficient water for diamond drilling can be secured from the winze in the upper adit. There are no power lines in the vicinity.

## APPLICANT'S PROPOSAL

The applicant proposes to drill 1,200 feet of diamond drill hole on the Lone Star vein and to use a bulldozer for 40 hours to construct and repair the road. The proposed holes include two vertical down holes in the plane of the vein from the winze in the upper adit and a third hole from the face of the 400-foot adit. A summary of the applicant's proposed exploration is given below:

### Operator's Estimated Costs

| | | |
|---|---|---|
| 1,200 ft. diamond drilling @ $5.75/ft. (contractor to furnish machine, operator, etc.) (compressor, tanks, and pipe, and helper to be furnished by applicant) | | $ 6,900.00 |
| Road grading - 40 hours @ $15/hr. | | 600.00 |
| Mobilization and moving equipment to location | | 350.00 |
| 1 diamond drill helper - 30 days @ $16/day | | 480.00 |
| Supervisor foreman | | 500.00 |
| Engineering and geological consultant | | 600.00 |
| Fuel and lubricants | | 250.00 |
| Pipe - 150 ft. 1-in. @ $0.33/ft. and 150 ft. 2-in. @ 0.60/ft. | | 139.50 |
| Operating equipment owned by applicant: | Value | |
| Compressor - 445 cu. ft. | $10,000.00 | |
| Air receiver tank | 600.00 ? | |
| 500 ft. 2-in. pipe @ $0.60/ft. | 300.00 - ? | |
| 500 ft. 1-in. pipe @ 0.33/ft. | 165.00 - ? | |
| Fittings for pipe | 110.00 - ? | 550.00 |

Operator's Estimated Costs (continued)

| | | |
|---|---|---|
| Operating equipment to be purchased: | | |
| Core and sludge boxes | $150.00 | |
| Water tank and fittings | 50.00 | $ 200.00 |
| Operating equipment to be rented: | | |
| Pickup truck - 30 days @ $10/day | | 300.00 |
| Repair and overhaul of air compressor | | 100.00 |
| Compressor shed | | 250.00 |
| Maintenance of equipment | 250.00 | |
| Analytical work | 400.00 | |
| Payroll taxes | 31.60 | |
| Accounting and telephone | 100.00 | |
| Workmen's compensation and liability insurance | 200.00 | 981.60 |
| Reaming and cementing 100 ft. @ $2.65 | 265.00 | |
| Lost and broken tools, drill, etc. | 100.00 | 365.00 |
| Total estimated cost of project | | $12,566.10 |

EXPLORATION PROGRAM

The project recommended by the examining team is different from that in the applicant's proposal in that the holes are to be drilled from one point on the surface (pl. 3A). The compressor would be set on the road near the 400-foot adit at the 6825 level and an air line laid up the slope to the drill site near the 7200 adit. The holes to be drilled are to cut the plane of the vein in three places; one, 70 feet south of and 100 feet below the 7200 level adit-winze face; a second, 200 feet south of and at the same elevation as the 7200 level adit-winze face; and the third, 200 feet south of and 150 feet below the 7200 level adit-winze face. Although the holes will probably aggregate about 850 feet of bore, a total of 1,000 feet is requested in case of unexpected changes in strike or dip of the vein. The suggested drill site would be about 280 feet southwest along the foot trail from the 7200 level adit portal and about 30 feet below the trail.

The applicant's proposal to drill in the plane of the vein is not feasible. It is improbable that the work could be finished in 30 days as specified by the applicant; therefore, 2 months has been allowed for completion of the drilling phase of the program.

Work on the project shall be started within 30 days of the effective date of the contract and shall be completed within 2 months of the starting time, providing winter weather does not intervene.

## RECOMMENDED COSTS

Operating equipment to be furnished and to be rented:

| Equipment to be furnished | Value | Monthly use allowance |
|---|---|---|
| 1 Air compressor, 445 c.f.m. | $8,000.00 | $133.34 |
| 1 Air receiver, pipe and fittings | 570.00 | 9.50 |
| **Equipment to be rented** | | |
| 1 Pickup truck @ $10/day | | 300.00 |
| Monthly equipment allowance | | $442.84 |

### Breakdown of Diamond Drilling Costs

1,000 feet - 2 months

| | | | |
|---|---|---|---|
| (1) | Independent Contracts | | |
| | Diamond drill (with operator) 1,000 ft. @ $5.75/ft. | $5,750.00 | |
| | Reaming and cementing 100 ft. @ $2.65/ft. | 265.00 | |
| | Moving equipment | 200.00 | $6,215.00 |
| (2) | Labor, Supervision & Consultants | | |
| | 1 Diamond drill helper 50 days @ $16/day | 800.00 | |
| | 1 Supervisor-foreman-mechanic 2 months @ $500/mo. | 1,000.00 | |
| | 1 Engineering-geological consultant 8 days @ $50/day | 400.00 | 2,200.00 |
| (3) | Operating Materials & Supplies | | |
| | 250 feet 2" pipe @ $0.45/ft. | 56.25 1/ | |
| | 250 feet 1" pipe @ 0.21/ft. | 26.25 1/ | |
| | Water tank and fittings | 50.00 | |
| | Core and sludge boxes | 150.00 | |
| | Diesel fuel - 1,250 gal. @ $0.21/gal. | 262.50 | |
| | Lubricants | 40.00 | 585.00 |
| (4) | Operating Equipment | | |
| | Monthly use allowance (see above) 2 months @ $442.84/mo. | | 885.68 |
| (5) | Rehabilitation and Repairs | | none |
| (6) | New Buildings, Improvements, etc. | | none |

1/ Reduced 50% based on salvage value and/or probable use to Operator.

(7) Miscellaneous

| | | |
|---|---|---|
| Unemployment compensation, insurance, etc. - 7% of wages and salaries | $126.00 | |
| Sample transportation, sacks, etc. | 15.00 | |
| Sample analysis, 10 assays @ $5.50/ea. | 55.00 | 196.00 |
| Total estimated cost of project | | $10,081.68 |
| Government participation @ 50% | | $ 5,040.84 |

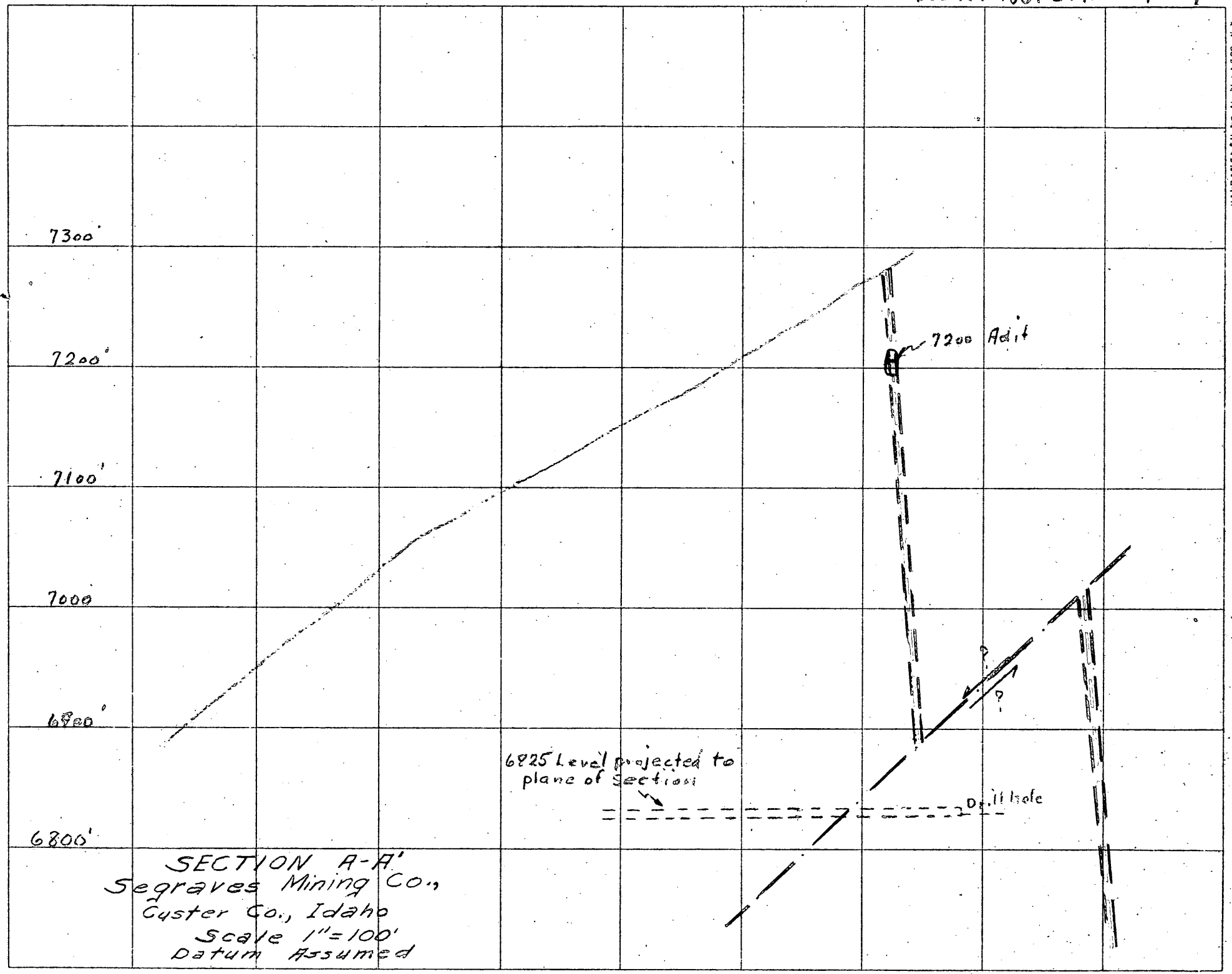
Note: Drill hole locations and direction are subject to Government approval.

Should the Government decide to participate in an exploration project, the above costs are recommended.

Enclosures

Distribution:
DMEA (4)
USBM (5)
USGS (SRO)
Docket
Alvord

Docket No. DMEA 4007




SECTION A-A'
Segraves Mining Co.,
Custer Co., Idaho
Scale 1"=100'
Datum Assumed

Plate 4

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

~~WASHINGTON 25, D.C.~~
1201 N. Division St.
Spokane 2, Washington
August 6, 1956

RECEIVED
AUG 13 1956

Docket

Goodwell
Beby

Mr. V. D. Warner, Secretary
Seagraves Mining Co., Inc.
3439 N.E. Sandy Blvd.
Portland 13, Oregon

Re: Docket No. DMEA-4007 (lead-zinc)
Seagraves Mining Co., Inc.
Seagraves Mine
Custer County, Idaho

Dear Mr. Warner:

In connection with your application for Government assistance in exploration, would you please try to obtain three bids for the proposed diamond drilling.

If you have already received one or more bids, please furnish us with copies.

By Field Team, Region I, NW District

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

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

cc: DMEA (2)
USGS (2)

Seagraves Mining Co.
3439 N.W. Sandy Blvd
Portland 16 Oregon
June 4, 1956

JUL 5-1956

The Defense Minerals Adm.
Department of the Interior
South 157, Howard St.
Spokane 4, Washington

Gentlemen:

Last Fall your Engineers were not able to reach our mine due to the early snow fall. We are still desirous of Government assistance and your Engineer's report on our claims.

We will have the roads opened to the mine by about June 18th and would like to start securing a tentative date to meet your engineers at the mine. On the date selected we will have the water drained from the face of the vein. It is very important that we agree on a definite time because if there is a lapse of only a few days between draining the water from the vein and your engineers arrival water will start filling in again.

Telephone:
Portland BE 4-9317

Very truly yours,
SEAGRAVES MINING CO.

by _____
V. D. Warner, Secretary

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

RECEIVED
NOV - 7 1955

November 4, 1955

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

Re: Docket No. DMEA-4007 (lead-silver-zinc)
Seagraves Mining Company
Seagraves Mine
Custer County, Idaho

Dear Mr. Selfridge:

Mr. Howard B. Nickelson attempted to reach the Seagraves property on October 26, 1955, but was unable to do so. Mr. James Seagraves was with Mr. Nickelson.

We will make no further attempt to examine this property until next spring; i.e., June or July.

Sincerely yours,

Verne C. Fryklund, Jr.

Verne C. Fryklund, Jr.
For: A. E. Weissenborn
Executive Officer, DMEA
Field Team, Region I, NW District

cc: USBM (2)
Nickelson

File Copy
Surname

Signed Selfridge
GPJ

500

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

OCT 20 1955

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

Re: Docket No. DMEA-4007 (Lead-Zinc)
Seagraves Mining Company, Inc.
Seagraves Mine
Custer County, Idaho

Dear Mr. Weissenborn:

Referring to the cited application, we are enclosing copies of memorandums dated October 12 and 14, by Mr. Thor H. Kiilsgaard, USGS, and Mr. O. M. Bishop, USBM, respectively.

While a field examination is recommended, we note in your letter of October 10 that it may be as late as next July before such an examination will be practical.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee (S/B)

WRGriswold/er 10/17/55
Copy to: Docket
Admr R File
Op. Committee
Base Metals
Mr. Bishop, USBM
Mr. Kiilsgaard, USGS
Chron.

Enclosures

APPROVED:

P. F. Yopes (S/B)
Member, Bureau of Mines

Thor H. Kiilsgaard (S/B)
Member, Geological Survey

R.C.L.

File Copy
Surname
Griswold
Kilsgaard
Joyce
Selfridge

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

OCT 20 1955

Mr. V. D. Warner, Secretary
Seagraves Mining Company, Inc.
3439 N.E. Sandy Boulevard
Portland 13, Oregon

Re: Docket No. DMEA-4007 (Lead-Zinc)
Seagraves Mining Company, Inc.
Seagraves Mine
Custer County, Idaho

Dear Mr. Warner:

The application of your company for Government assistance to explore its property has been reviewed by the Base Metals Division of the Defense Minerals Exploration Administration and has been referred for a field examination to:

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

The Regional Office will contact you as to when an examination is to be made. We noted in your letter of September 29 that an early examination was desired due to climatic conditions. However, a letter from our Regional Office dated October 10 stated that, due to a heavy snow, the general Sea Foam district is now inaccessible.

In any event, we are sure that the Field Team will schedule an examination as soon as it is practical to do so. Any assistance that you may give the members of the Field Team during the examination will be appreciated.

Sincerely yours,

Frank E. Johnson

ACTING Administrator

WRGriswold/er 10/17/55
Copy to: Docket
Admr R File
Op. Committee
Base Metals
Mr. Bishop, USBM
Mr. Kiilsgaard, USGS
Region I (2), NW Dist.
Chron.

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

RECEIVED
OCT 14 1955

October 14, 1955

Re: DMEA-4007
(Lead-Zinc-Silver, $12,566.10)
Seagraves Mining Co.
Seagraves Mine
Custer County, Idaho

Griswold

Memorandum

To: W. R. Griswold, DMEA

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

Subject: Application for exploration assistance dated September 29, 1955, and docketed October 6, 1955

The applicant, the Seagraves Mining Company, holds a mining lease and option to purchase the Star, Star No. 1 and Silver King Nos. 1, 2, 3 and 4 mining claims in the Seafoam mining district of northwestern Custer County, Idaho.

The applicant states ore is found in a fissure vein striking N. 30° W., and that development in the form of a 25-foot winze has exposed 5 feet of ore containing 0.58 ounces of gold, 31 ounces of silver, 28 percent lead per ton, as well as trace amounts of copper and zinc. During July, August and September 1955 the applicant drove a 400-foot crosscut and drilled a 40-foot drill hole to intersect the vein at its calculated position at some 380 feet below the exposure in the winze.

No ore was found, and the applicant now proposes to seek a downward extension of the vein by drilling from the known occurrence on the dip.

Inasmuch as ore of the grade quoted to have been found in the winze is high grade enough to bear much, if not all, the costs of additional winzing, I would suggest that a more logical exploration program would be sinking on the ore with drifts at appropriate intervals to establish the strike length of the oreshoot.

The map exhibits are not adequate to evaluate the geology or the exploration approach, however, and I believe we must await the scheduled field examination before reaching any final conclusions.

In passing it is noted that the contract cost of the drilling seems high considering that the driller will be furnished power, water and a helper. Certainly the field team will review the proposed costs.

O. M. Bishop

O. M. Bishop

Copy to - Division of Minerals
Mr. Kiilsgaard, Room 5222
O. M. Bishop
Files

IN REPLY REFER TO:

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

RECEIVED
OCT 13 1955

October 12, 1955 Griswold

Memorandum

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

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

Subject: Review of application, DMEA Docket 4007, Seagraves Mining Company, Seafoam district, Custer County, Idaho.

The applicant proposes to explore the Seagraves property with 1,200 feet of diamond drilling. Estimated costs of the program total $12,566.10.

The exploration project described in the application and shown on the attached maps is vague and indefinite. Apparently, the vein to be explored is best seen in the upper or original drift and in a short winze driven therefrom. In the winze the vein is reported to be 5 feet wide and to have a high assay value. On the strength of this showing a lower adit was driven to crosscut the vein 384 feet below the upper drift, but the lower adit failed to accomplish this purpose. To determine why the lower adit did not find the vein, the applicant proposes that two holes be core drilled from the upper drift, these holes to be in the plane of the vein, and one hole to be drilled from the face of the lower adit.

The two proposed holes from the upper drift are completely unreasonable. There is hardly a chance that such holes could stay in the vein. The holes would be better located if drilled from the surface, assuming the applicant's sketch No. 5 depicts a cross section showing the hillside, or if drilled as up holes from the lower adit toward the northeast. Actually, if the vein dips 70 degrees northeast, as implied, the lower adit would have to be continued about 100 feet in its present direction before the vein intersection could be expected. Such a crosscut might be the best type of exploration, although a downward projection of 384 feet is a big "bite" for lead-silver veins in or near roof pendants in the granite of that part of Idaho. Most veins of that type, in the Seafoam district of Idaho, have proven to be of short dip length and to be discontinuous on strike. A better way to have explored this vein would have been to have sunk on the vein from the upper drift, or to have crosscut it at a lesser vertical interval from the upper drift.

The contractor's drilling price of $5.75 per foot of drilling is high enough, but the various costs added by the applicant raise the over-all drilling costs to more than $10 per foot, which is unreasonable even for a mine as remotely located as is the one under discussion.

It is assumed the Field Team has already completed their field examination of the applicant's property, an examination that is certainly needed before any evaluation of the merits of the property may be made.

It is recommended that the commodity reviews be transmitted to the Field Team for their perusal during preparation of the Field Team report.

Thor H. Kiilsgaard

Thor H. Kiilsgaard

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

RECEIVED
OCT 13 1955

October 10, 1955

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

Re: New application (lead-silver-zinc)
Seagraves Mining Company
Seagraves Mine
Custer County, Idaho

Dear Mr. Selfridge:

In my letter of October 3, 1955, I said that an examination was scheduled for the Seagraves Mining Company property.

According to Mr. Quinlan, who has just returned from the Stanley Basin country, the first heavy snow has fallen; the Seagraves property and the general Sea Foam district is now inaccessible.

We do not believe that we can examine this property until late next spring, or perhaps even as late as July.

Very truly yours,

Verne C. Fryklund

Verne C. Fryklund, Jr.
For: A. E. Weissenborn
Executive Officer, DMEA
Field Team, Region I, NW Dist.

cc: USBM (2)
Quinlan

October 7, 1955

Subject: DMEA 4007
Re: Exploration Assistance
Seagraves Mine

Seagraves Mining Company
3439 N. E. Sandy Blvd.
Portland 13, Oregon

Gentlemen:

The receipt of your application dated September 29, 1955 for exploration assistance under the Defense Production Act of 1950, as amended, is hereby acknowledged.

Your application has been assigned Docket Number DMEA-4007 and referred to the Base Metals Division.

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

Sincerely yours,

Robert E. Adams, Chief
Operations Control and
Statistics Division

60932

October 7, 1955

Memorandum

To: Executive Officer, DMEA Field Team, Region I N. W.

From: Chief, Operation's Control and Statistics Division

Subject: Assignment of Docket Number

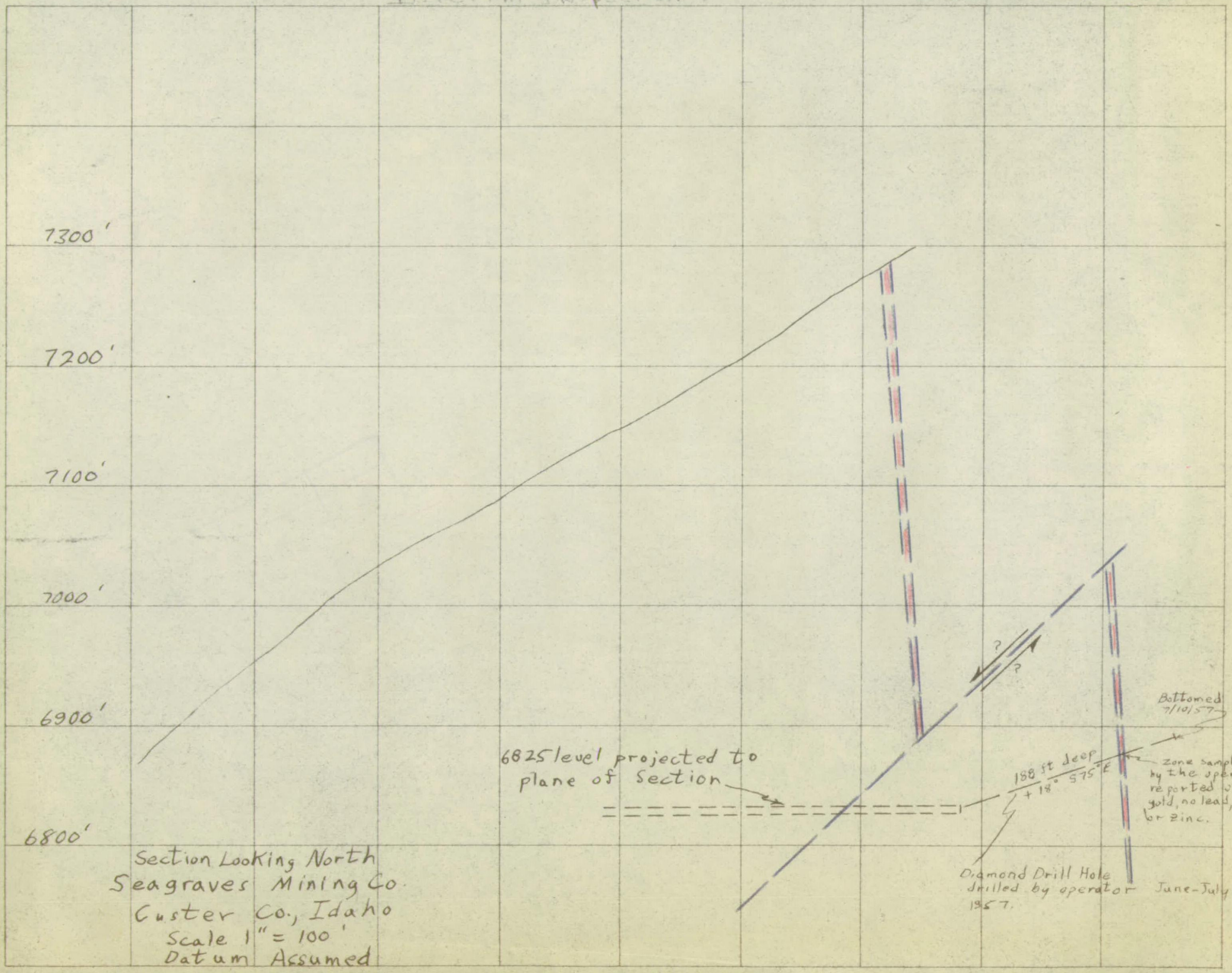
There is listed below the assigned docket number to an application recently received from Region I N. W. District.

DMEA - 4007 Seagraves Mining Company

Robert E. Adams
Chief, Operation's Control
and Statistics Division

Interim Inspection

Docket No. DMEA-4007




Section Looking North
Seagraves Mining Co.
Custer Co., Idaho
Scale 1" = 100'
Datum Assumed

J. A. Gendron Co., Spokane
"ALBANENE" NO. 1888 K&E CO., N.Y. REG. U.S. PAT. OFF.

OFFICIAL FILE COPY
D M E A
RECEIVED SEP 16 1957

| DATE | INITIALS | CODE |
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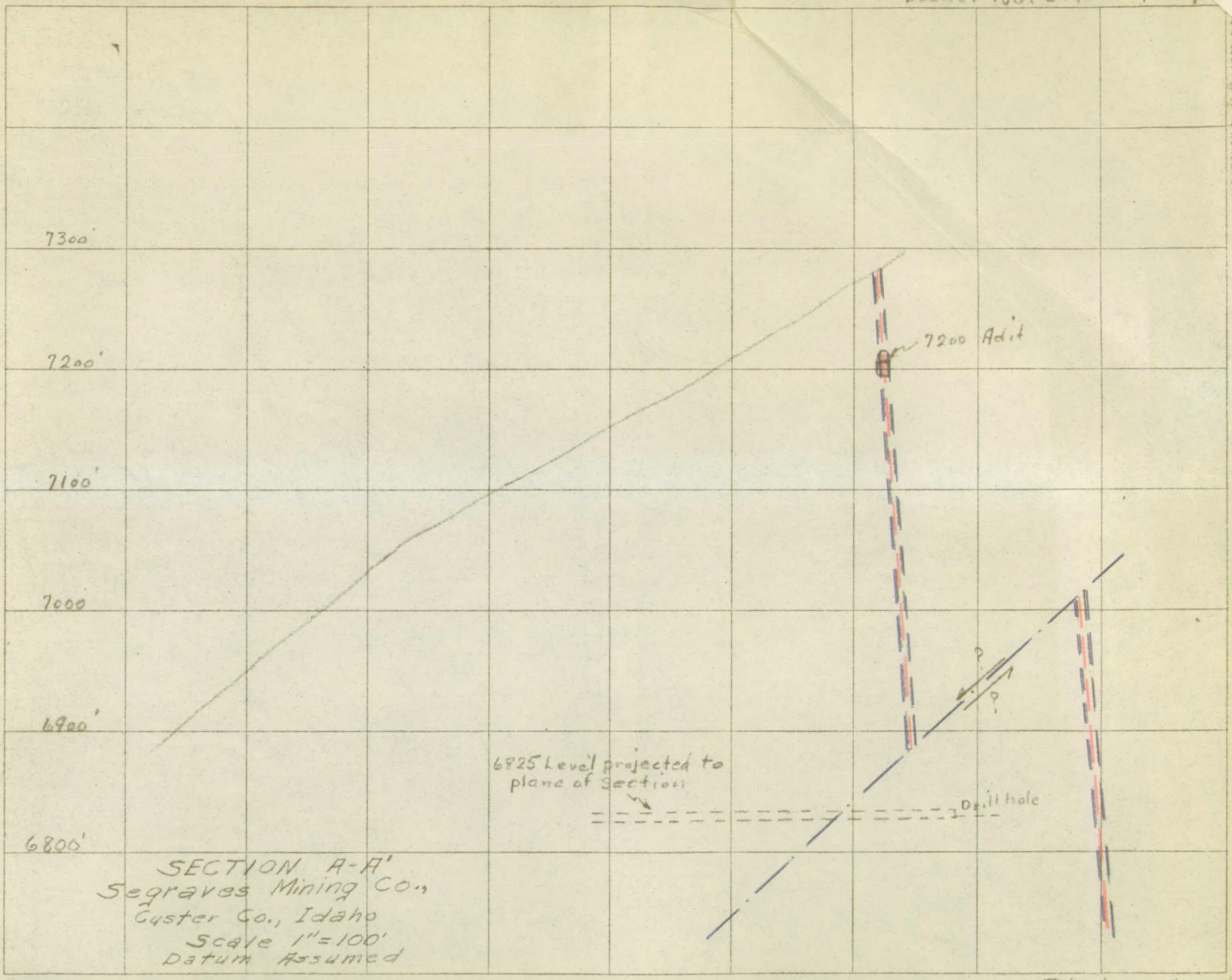
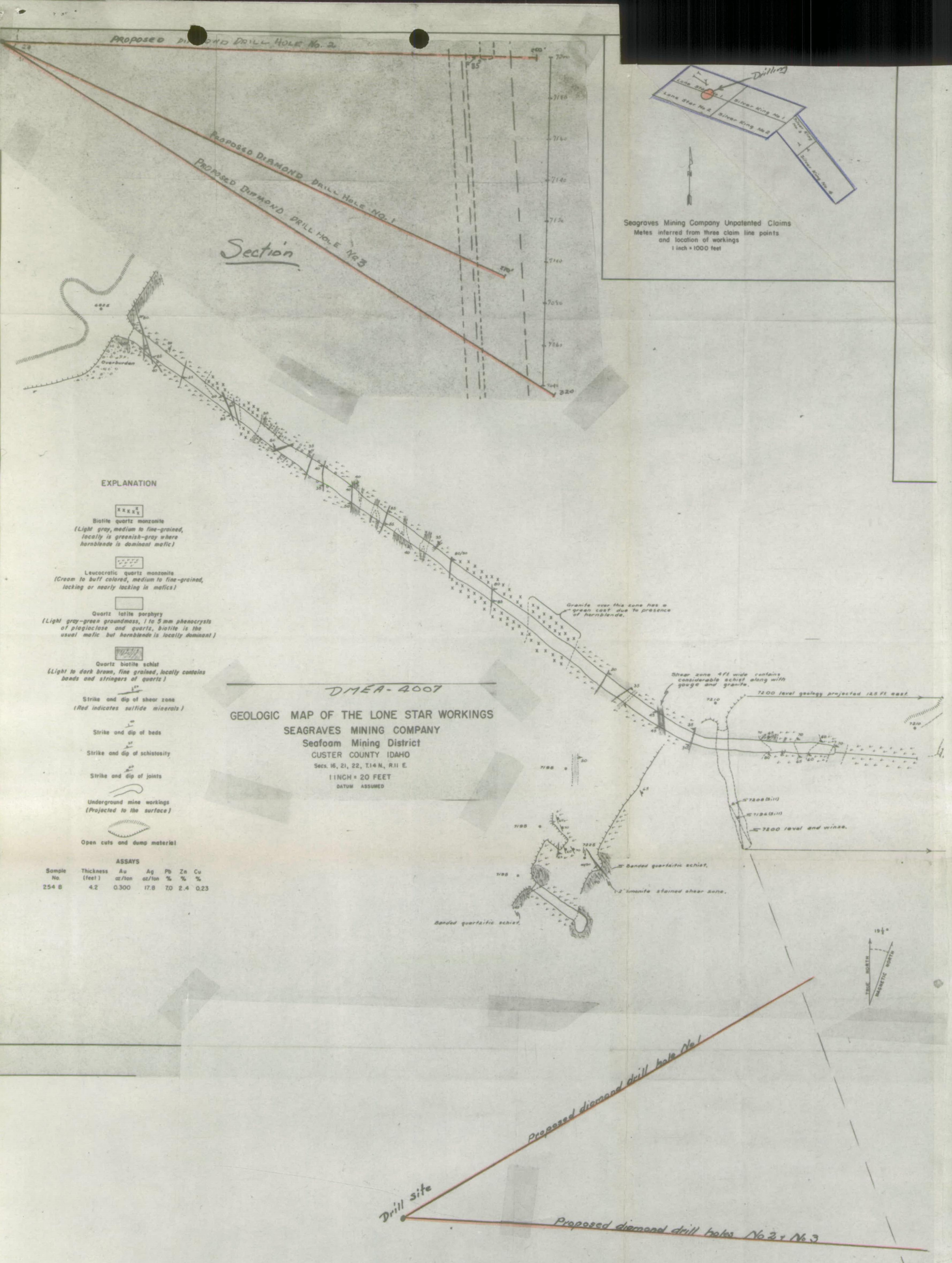
Docket No. DMEA 4007



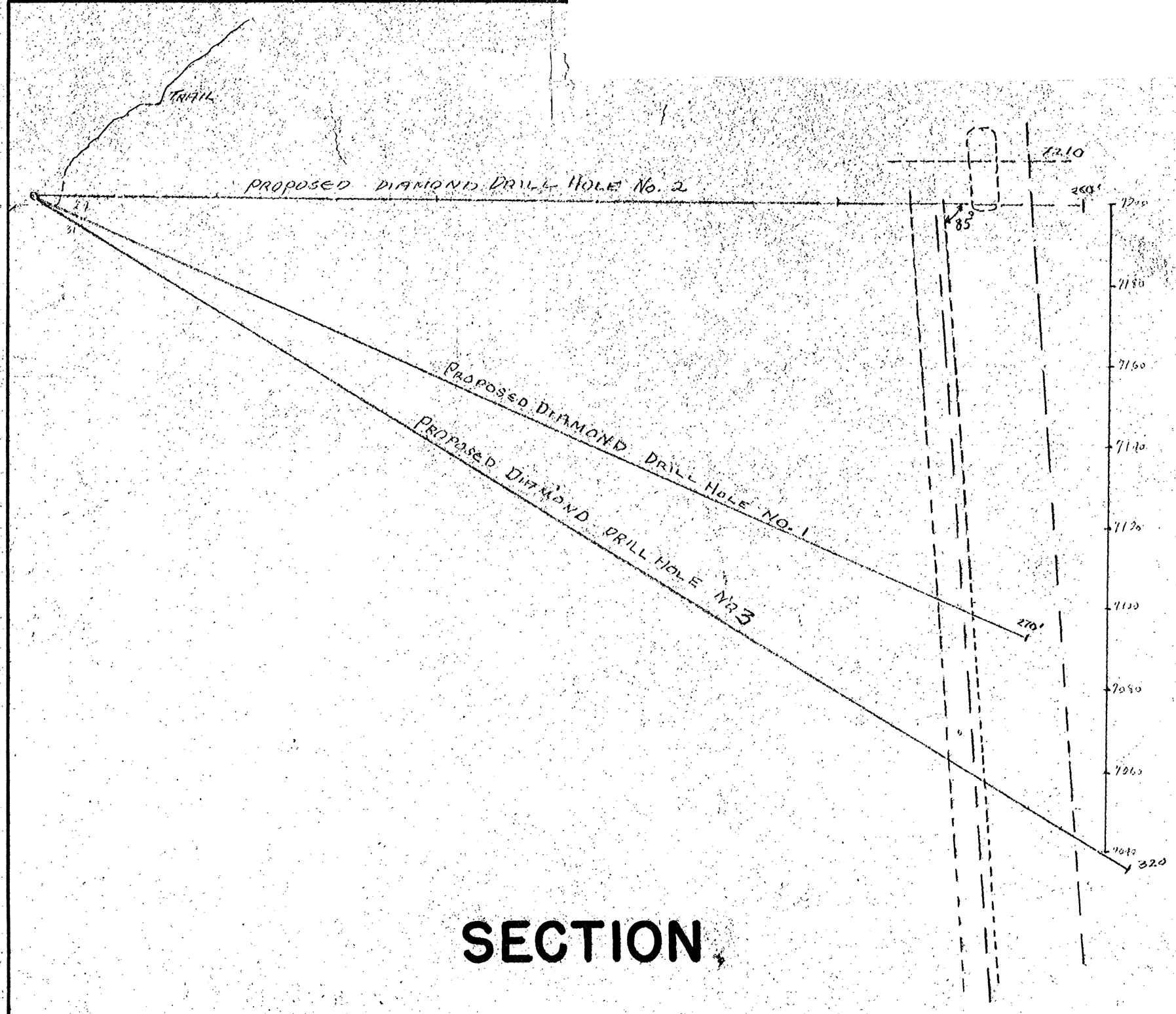

SECTION A-A'
Segraves Mining Co.,
Custer Co., Idaho
Scale 1" = 100'
Datum Assumed

Plate 4

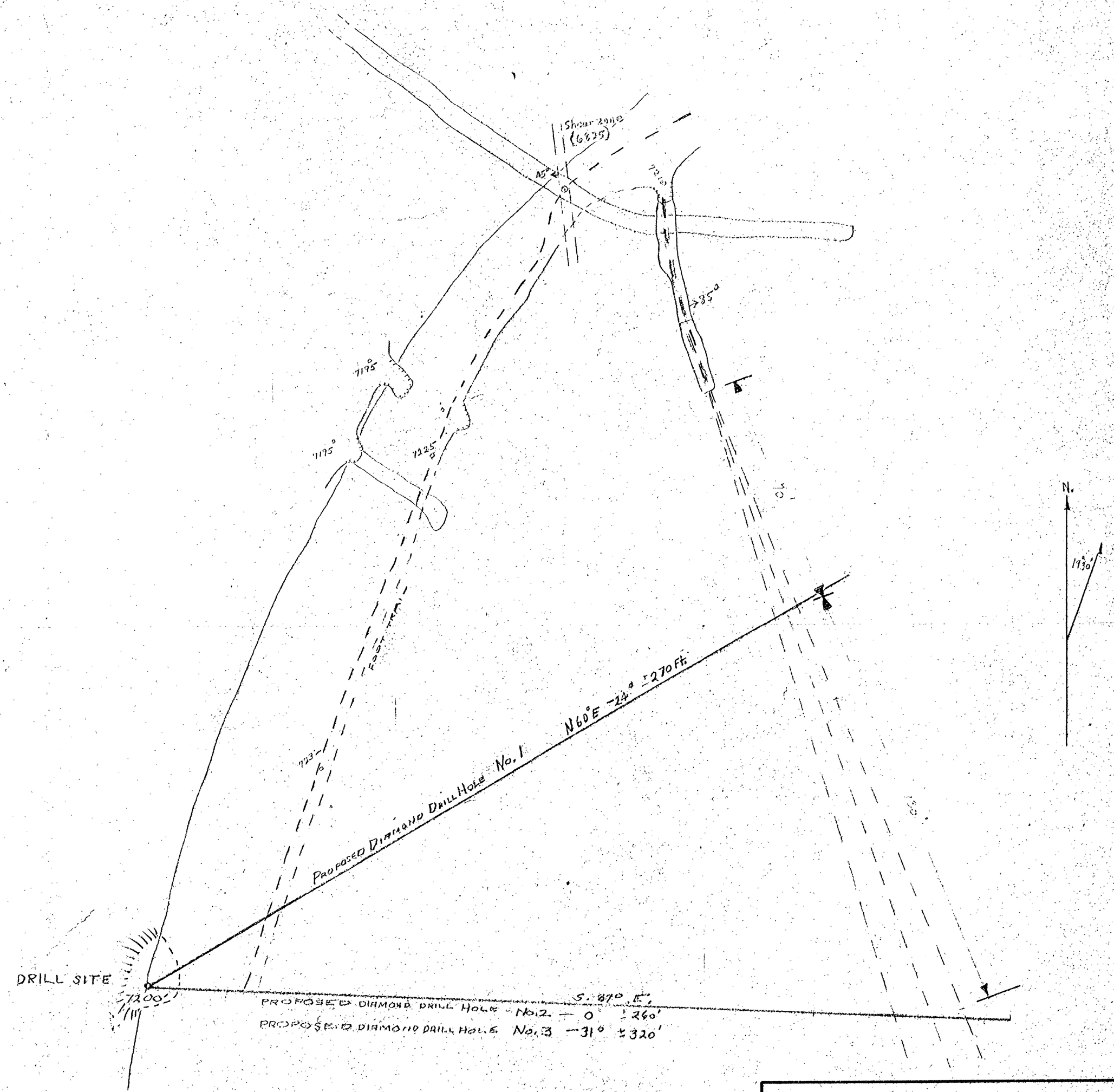
RECEIVED
AUG 27 1956


PROPOSED DIAMOND DRILL HOLE No. 2
PROPOSED DIAMOND DRILL HOLE NO. 1
PROPOSED DIAMOND DRILL HOLE No 3
Section
Overburden
Drilling
Lone Star No. 1
Lone Star No. 2
Silver King No. 1
Silver King No. 2
Silver King No. 3
Silver King No. 4
Seagraves Mining Company Unpatented Claims
Metes inferred from three claim line points
and location of workings
1 inch = 1000 feet
EXPLANATION
Biotite quartz monzonite
(Light gray, medium to fine-grained, locally is greenish-gray where hornblende is dominant mafic)
Leucocratic quartz monzonite
(Cream to buff colored, medium to fine-grained, lacking or nearly lacking in mafics)
Quartz latite porphyry
(Light gray-green groundmass, 1 to 5 mm phenocrysts of plagioclase and quartz, biotite is the usual mafic but hornblende is locally dominant)
Quartz biotite schist
(Light to dark brown, fine grained, locally contains bands and stringers of quartz)
Strike and dip of shear zone
(Red indicates sulfide minerals)
Strike and dip of beds
Strike and dip of schistosity
Strike and dip of joints
Underground mine workings
(Projected to the surface)
Open cuts and dump material
ASSAYS
Sample No. | Thickness (feet) | Au oz/ton | Ag oz/ton | Pb % | Zn % | Cu %
254 B | 4.2 | 0.300 | 17.8 | 7.0 | 2.4 | 0.23
DMEA-4007
GEOLOGIC MAP OF THE LONE STAR WORKINGS
SEAGRAVES MINING COMPANY
Seafoam Mining District
CUSTER COUNTY IDAHO
Secs. 16, 21, 22, T.14 N., R.11 E.
1 INCH = 20 FEET
DATUM ASSUMED
Granite over this zone has a green cast due to presence of hornblende.
Shear zone 4 ft wide contains considerable schist along with gouge and granite.
7200 level geology projected 125 ft east
7200 level and winze.
Banded quartzitic schist.
1-2" limonite stained shear zone.
Banded quartzitic schist.
TRUE NORTH
MAGNETIC NORTH
Drill site
Proposed diamond drill hole No 1
Proposed diamond drill holes No 2 + No 3

RECEIVED
DEC 18 1956
D.M.E.A.



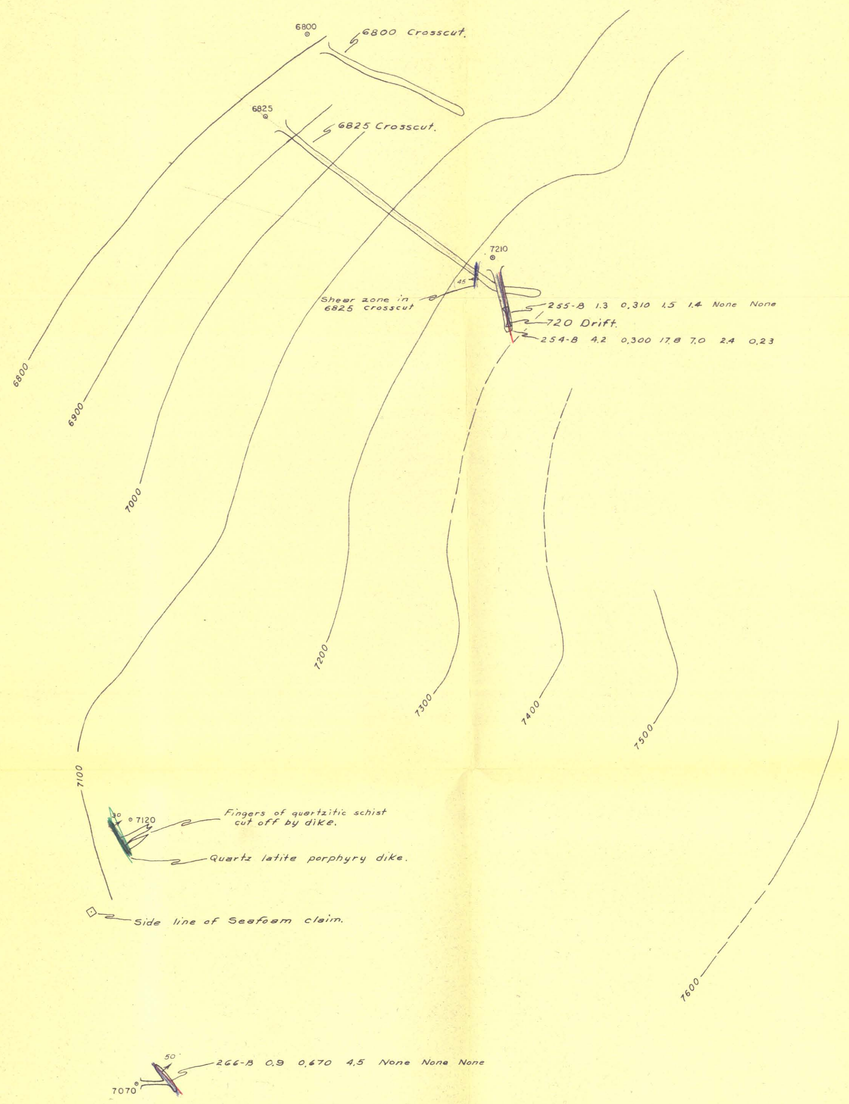

SECTION

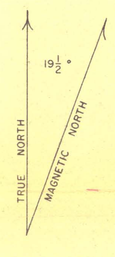



PLAN

MAP OF PROPOSED DIAMOND DRILL HOLES
SEAGRAVES MINING COMPANY
Seafoam Mining District
CUSTER COUNTY, IDAHO
0 20' 40' 60'
1 INCH = 20 FEET
8-10-56 DMEA-4007

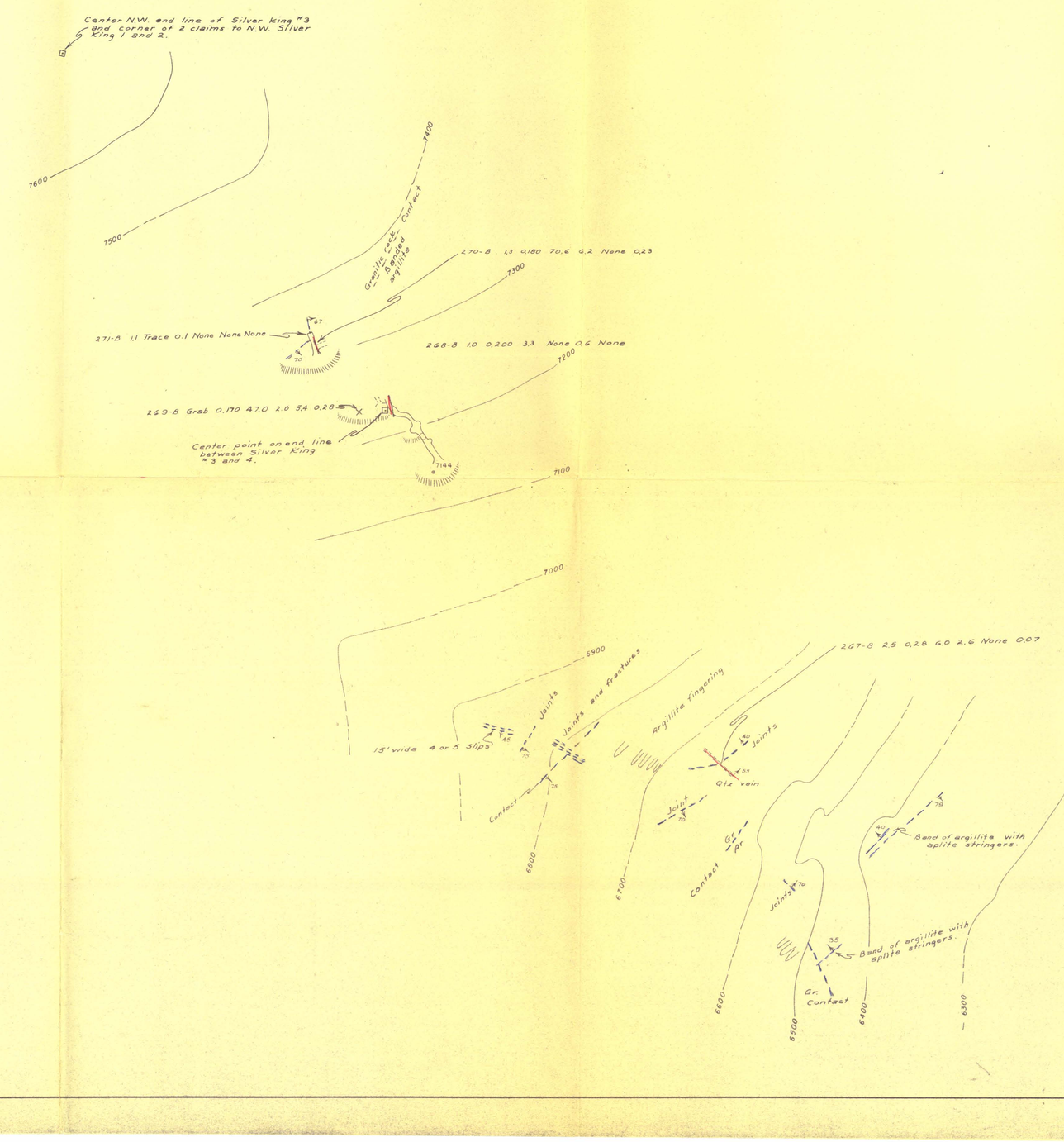
Plate 3

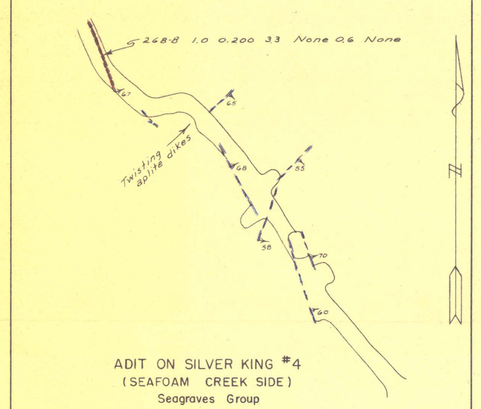



ASSAYS

| Sample No | Thickness (feet) | Au oz/ton | Ag oz/ton | Pb % | Zn % | Cu % |
|---|---|---|---|---|---|---|
| 266-8 | 0.9 | 0.670 | 4.5 | None | None | None |




ADIT ON SILVER KING #4
(SEAFOAM CREEK SIDE)
Seagraves Group
Scale 1" = 20'

7144

# SEAGRAVES PROPERTY
## SEAFOAM MINING DISTRICT
### Custer County, Idaho

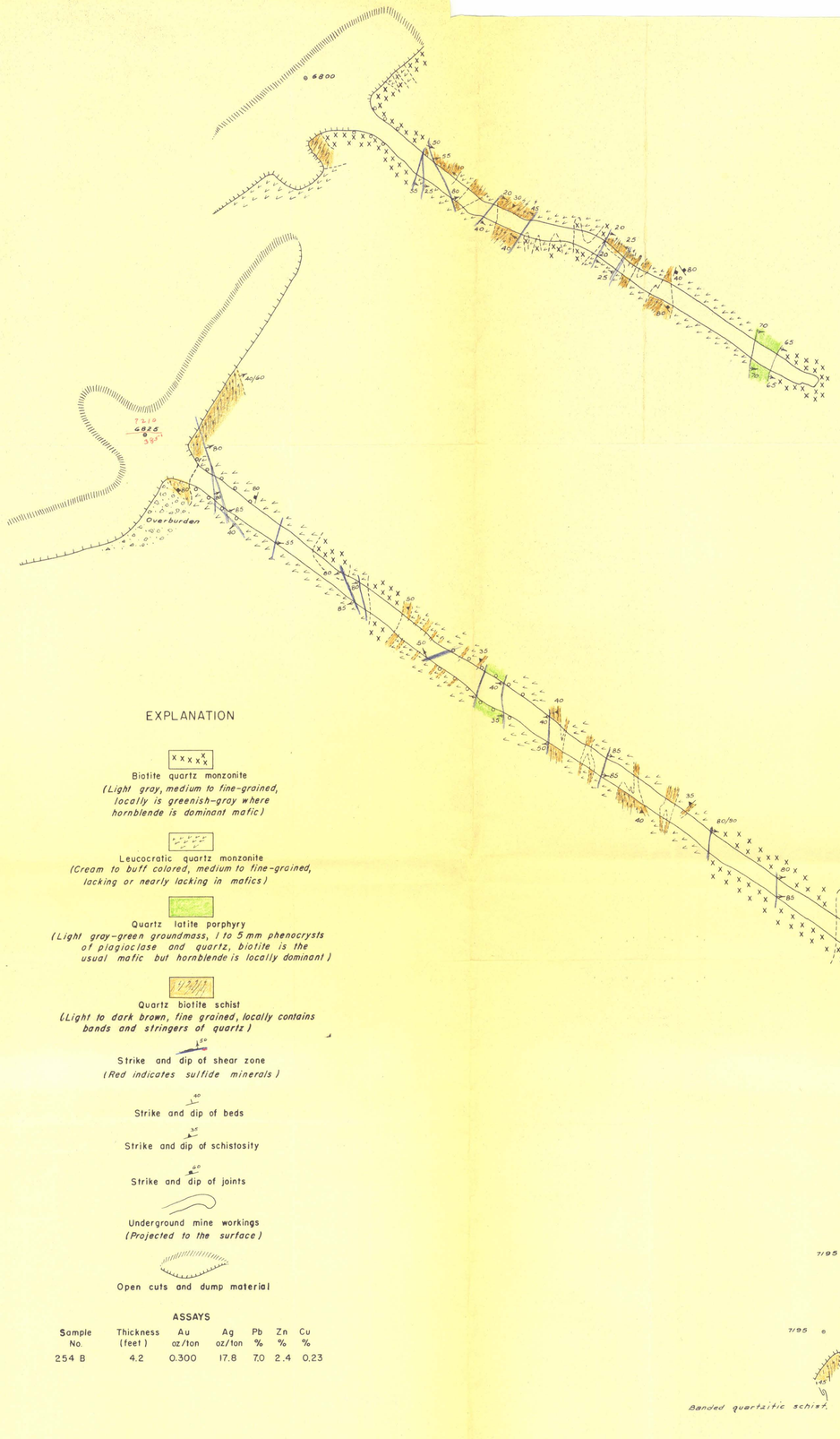
Tape-Brunton line across Seafoam Creek, Harland Creek Divide

Scale 1" = 100'

June 22, 1956

Jack Seagraves and E. W. Parsons

Plate 2




## EXPLANATION

Biotite quartz monzonite
*(Light gray, medium to fine-grained, locally is greenish-gray where hornblende is dominant mafic)*

Leucocratic quartz monzonite
*(Cream to buff colored, medium to fine-grained, lacking or nearly lacking in mafics)*

Quartz latite porphyry
*(Light gray-green groundmass, 1 to 5 mm phenocrysts of plagioclase and quartz, biotite is the usual mafic but hornblende is locally dominant)*

Quartz biotite schist
*(Light to dark brown, fine grained, locally contains bands and stringers of quartz)*

Strike and dip of shear zone
*(Red indicates sulfide minerals)*

Strike and dip of beds

Strike and dip of schistosity

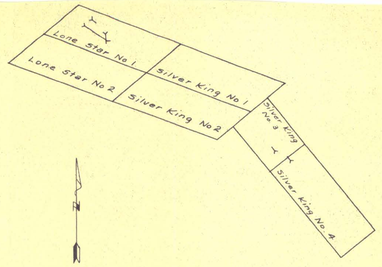
Strike and dip of joints

Underground mine workings
*(Projected to the surface)*

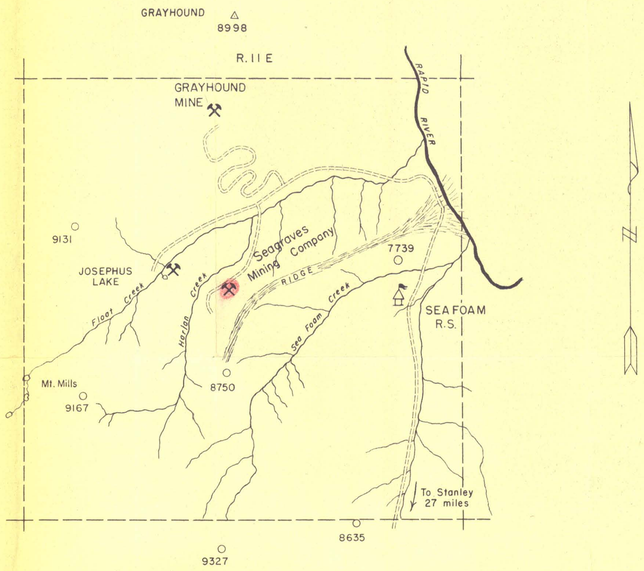
Open cuts and dump material

### ASSAYS

| Sample No. | Thickness (feet) | Au oz/ton | Ag oz/ton | Pb % | Zn % | Cu % |
|---|---|---|---|---|---|---|
| 254 B | 4.2 | 0.300 | 17.8 | 7.0 | 2.4 | 0.23 |




Seagraves Mining Company Unpatented Claims
Metes inferred from three claim line points and location of workings
1 inch = 1000 feet




INDEX MAP
1 inch = 1 mile
BOISE MERIDAN

# GEOLOGIC MAP OF THE LONE STAR WORKINGS

## SEAGRAVES MINING COMPANY

### Seafoam Mining District

CUSTER COUNTY IDAHO

Secs. 16, 21, 22, T.14 N., R.11 E.

1 INCH = 20 FEET

DATUM ASSUMED

DMEA-4007

Plate I