MF-200
(Revised June 1954)

Docket No. DMEA 3610

Commodity Uranium Lead zinc

Contract No. Idm–E

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

EXPLORATION PROJECT CONTRACT[1]

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] Jack Stanley Hampton

whose mailing address is Rimini Route
Helena, Montana

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 .....

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 Montana, County of Lewis and Clark, and is described in Annex I.[3]

(b) The Operator represents and undertakes that:

(1) The Operator is the [4] Lessee of [5] Entire interest 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, [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: .....

(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: .....

.....

.....

(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 ..... The work to be performed is described in Exhibit "A." The Operator on or before ..... shall commence the work, and on or before ..... (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 $..... The Government shall contribute 62.5 percent of the allowable costs as they are incurred in a total sum not in excess of $.....: *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.

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.*—

Executed in sextuplicate the day and year first above written.

THE UNITED STATES OF AMERICA

By .....

.....
(Operator)

By .....

.....

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

.....

[CORPORATE SEAL]

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

Exploration Prospect Contract
Jack Stanley Hampton
Docket No. DMEA 3610

ANNEX I

The land described in Article 2 of the contract form consists of the following described property situated in the TEN Mile mining district County of Lewis and Clark, Montana

The Daniel Stanton Lode, U.S. Survey No. 398 Section Five (5) situated in Township Eight (8) North Range Five (5) West, Montana Principal Base and Meridian, Also described as Lot 38 by Surveyors General Mineral entry 201 in Book 1, Pages 61 and 62, Lewis and Clark County Court House Helena, Montana.

As is shown on the attached map "Daniel Stanton Claim Map Lewis and Clark County, Montana."

Depreciation	Value
IR 160 Ctm Compressor	2000.00
Ensco - Fowler Wrecker	1250.00
F.W.D. Truck	800.00
Air Hose	40.00
Mine Car	60.00
Misc Tools	25.00
IR Tugger Hoist	350.00
IR Stoper	375.00
Air Hose and Oiler	60.00
Water Tank	30.00

Exploration Project Contract
Jack Stanley Hampton
Docket No. AMER 3610

Exhibit "A"

The purpose of the work is to explore for uranium ~~lead~~ and zinc bearing ore by means of reopening and rehabilitating an adit and drifting along the Stanton Lode and drifting and raising on the vein.

The work shall be performed in two stages. Stage I shall be completed first, and if, in the opinion of the Government expressed in writing in advance, the results of Stage I warrant, a part or all of Stage II shall be commenced and prosecuted as indicated by the Government.

Stage I

Stage I consists of reopening and rehabilitating the lower adit level from the portal to the east adit face (approximately 550 feet) as is shown on the attached map "MAP OF THE LOWER and INTERMEDIATE LEVELS DANIEL STANTON MINE LEWIS and Clark County, Montana".

Cost / ft. Estimate

Drifting Board 3.5 ft / shift 18 hrs. 6 days/wk.	Total	Per ft
2 - Miners @ $15.00 / 8 hrs + Ave. $16.25 / shift)	$32.50	9.29
1 - Supervising Miner @ $17.00 / 8 hrs. 18.42 / shift.	18.42	5.26
Ins + Taf @ 10% of $50.92	5.09	1.45
Explosives @ $20 / 100# + fuse + cap + 50# / ft.		
100' fuse @ .75 / 100' ; caps 25 @ .035	11.30	3.23
Vent Tube @ $1.00 / ft	3.50	1.00
Pipe water + air + fittings 2" @ $.50 / ft		
1" @ $.28 fittings @ $.50 / ft	4.48	1.28
Misc. Tools @ $.25 / ft	.88	.25
Rail Ties and spikes	4.35	1.45
Bits + steel		1.40
Oil + fuel		1.30
misc supplies		1.35
Equipment depreciation		4.50 ?
Repair to equipment price unknown		.70
		$32.46

4/29/55 gla

DEPARTMENT OF THE INTERIOR
Minerals Administration
RECEIVED
APR 29 1955

So. 157 Howard Street
Spokane 4, Washington

April 26, 1955

Air Mail

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

Re: Docket DMEA-3610 (uranium-lead-zinc)
Jack Stanley Hampton
Daniel Stanton Lode
Lewis & Clark County, Montana

Dear Mr. Selfridge:

Attached are copies of a letter dated April 22, 1955, from E. E. Thurlow, Chief, Salt Lake Exploration Branch, Division of Raw Materials, U. S. Atomic Energy Commission, commenting on the project against which they had previously recommended. Mr. Thurlow, although not exactly enthusiastic about the uranium possibilities, sees no objection to setting up the project in the manner proposed inasmuch as it is not solely for uranium.

He points out that although the exploration of base-metal veins for uranium in Montana has not been too successful, there can always be a first time. It is the feeling of the Field Team that the property does warrant the relatively modest proposal that has been suggested. We do not consider the project important enough to recommend it over the AEC's objections, but since they have now withdrawn these objections, we recommend that the proposal previously presented by Bacraft and Bardill be accepted.

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

Enclosure 1 (in quad.)
cc: AEC, SLC
AEC, Butte
USBM (2)
Bacraft

Wussmann

Reference Field Team report DMEA 3610 Jack Stanley Hampton. Unable to justify recommended unit cost from memo May 12, kindly furnish detailed breakdown all costs justifying unit cost for dredging, raising, piling, and rehabilitation including supervision and labor rates, supplies, equipment depreciation with value returned, and all other items. SEE especially Operating Committee minutes No. 296 Dated November 23 1953.

Oper Com.

REFER TO	ACTION	NOTED	DATE
Jack Geo.			

UNITED STATES
ATOMIC ENERGY COMMISSION
DIVISION OF RAW MATERIALS
Salt Lake Exploration Branch

ADDRESS REPLY TO

U. S. Atomic Energy Commission
P. O. Box 2196
Salt Lake City, Utah

AND REFER TO

SLEB:EET:af

April 22, 1955

DEPARTMENT OF THE INTERIOR
Bureau of Mines Administration
RECEIVED
APR 29 1955

Mr. A. E. Weissenborn
Administrative Geologist
U. S. Geological Survey
South 157 Howard Street
Spokane 4, Washington

Dear Al:

Thanks for your letter of April 19 concerning the application for DMEA assistance from Jack Hampton (Docket No. DMEA-3610). The addition of lead and zinc as a joint project with uranium changes the picture somewhat. We see no particular objection to setting up the project in this manner inasmuch as it is not solely for uranium. There can always be a first time on these base-metal deposits for a good show of uranium, but experience to date in Montana and elsewhere indicates that the odds are high.

I hope to see you in the near future.

Sincerely,

Ernest E. Thurlow, Chief
Salt Lake Exploration Branch
Division of Raw Materials

cc: L. D. Jarrard

RECEIVED
APR 25 1955
U. S. G. S.
SPOKANE WASH.

4/25/55 gla

xxxxxxxxxxxxxxxxxxxx
So. 157 Howard Street
Spokane 4, Washington

April 19, 1955

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

Re: Docket No. DMEA-3610 (uranium-lead-zinc)
Jack Stanley Hampton
Daniel Stanton Lode
Lewis & Clark County, Montana

Dear Mr. Selfridge:

In reply to your inquiry of February 8, 1955, concerning the status of the above-cited docket, we are enclosing a report by George E. Becraft, Geological Survey, recommending approval of the application, together with a memorandum from Mr. John D. Bardill of the Bureau of Mines discussing the costs.

The Atomic Energy Commission does not favor the project as you will note from the attached memorandum dated January 18, 1955, from Leonard D. Jarrard, Chief of the Butte Sub-Office of the Salt Lake Exploration Branch, and concurred in by E. E. Thurlow, Chief of the Salt Lake Exploration Branch, Division of Raw Materials of the AEC. We wish to point out, however, that much more information is available since the Atomic Energy Commission geologists visited the property. We are sending the AEC a copy of Becraft's report and are asking them to reconsider their opinion in the light of the data therein presented. The Field Team is inclined to believe that the small project proposed by Becraft and Bardill, involving $9,812.50 participation on the part of the Government, is justified, but we prefer to defer making a specific recommendation until the AEC has considered Becraft's memo and has replied to our letter (copies enclosed).

Not AEC

By Field Team, Region I, NW District

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

Enclosures
cc: AEC, SLC
AEC, Butte
USBM (2)
Becraft

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

xxxxxxxxxxxxxxxxx
So. 157 Howard Street
Spokane 4, Washington

April 19, 1955

Air Mail

Mr. Ernest E. Thurlow
U. S. Atomic Energy Commission
P. O. Box 2196
Salt Lake City, Utah

Re: Docket No. DMEA-3610 (uranium-lead-zinc)
Jack Stanley Hampton
Daniel Stanton Lode
Lewis and Clark County, Montana

Dear Ernie:

Reference is made to your letter of January 28, 1955, and a memorandum to you from L. D. Jarrard dated January 18, 1955, concerning the above-referenced application. I am enclosing a copy of a memorandum, with two attached maps from our files, by George E. Becraft. George lists five samples that assayed from 0.24% to 0.58% U_3O_8 and states that many more samples were collected that have about the same radioactivity. I understand from George that these samples were collected last fall from several pits about one foot deep in the dump of the lower adit. With the exception of one sample, these were collected after the release of TEI-469.

The total cost of a project at this property would be approximately $15,700.00. This cost would include 550 feet of drift rehabilitation, 250 feet of drifting, and if warranted 100 feet of raising. Since this would be a uranium-lead-zinc contract the Government participation would be 62½%, or about $9,800.

I am inclined to believe that the relatively small cost of this project would be warranted. I would appreciate what comments you might have after reading Becraft's report and recommendations.

Sincerely,

cc: DMEA (2)
USBM (2)
Becraft

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

Enclosures:

cc: L. D. Jarrard, AEC, Butte
w/encls.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
APR 25 1955

UNITED STATES
Department of the Interior
Defense Minerals Exploration Administration
So. 157 Howard Street
Spokane 4, Washington

April 18, 1955

Memorandum

To: DMEA Field Team, Region I, Northwest District

From: George E. Becraft, Geologist, U. S. Geological Survey

Subject: DMEA application examination report, Docket No. DMEA-3610 (uranium, lead, zinc), Daniel Stanton mine, Lewis and Clark County, Montana

Applicant

J. S. HAMPTON
Rimini Route
Helena, Montana

Recommendations

It is recommended that the application for an exploration contract on the Daniel Stanton mine, submitted by J. S. Hampton, Rimini Route, Helena, Montana, be favorably considered. It is also recommended that the contract be granted for exploration for lead-zinc as well as uranium because of the lead and zinc content of the ore previously shipped from the property.

Introduction

During the 1953 field season, the writer and D. M. Pinckney, Geological Survey, mapped the area around the Daniel Stanton mine in conjunction with the detailed mapping of the Boulder batholith. Pinckney detected radioactivity on the dump of the mine and one sample was collected for uranium analysis. Additional investigations of the mines in the area were made in 1954. On October 14, 1954, the writer visited the Daniel Stanton mine accompanied by Pinckney and J. S. Hampton, and a careful examination was made of the dump and many selected moderately to highly radioactive samples were collected from the dump of the lower adit.

Property and location

The Daniel Stanton mine is located on the patented Daniel Stanton Lode claim, Mineral Survey No. 398, Mineral Entry 201. It is in sec. 5, T. 8 N., R. 5 W., M.P.M., in Lewis and Clark County, Montana, about 1½ miles south of Rimini, Montana. A county road crosses the property and is passable most of the year except for a short time during the winter. The applicant has leased the property from the owner, A. T. Cooper, Helena, Montana. Copies of the lease are attached to the application, and A. T. Cooper signed an Owner's Consent to Lien agreement which was sent to Washington.

Geology

The rock underlying most of the area is quartz monzonite, the common rock type of the Boulder batholith. The geology and several of the mines in the district are described by Knopf (Ore deposits of the Helena mining region, Montana, U. S. Geol. Survey Bull. 527, pp. 80-85) and Pardee and Schrader (Metalliferous deposits of the greater Helena mining region, Montana, U. S. Geol. Survey Bull. 842, pp. 246-262).

The Daniel Stanton vein is similar to the many other veins in the Rimini mining district. It strikes about E-W, dips 75° to 80° S. and extends a considerable distance on each side of Ten Mile Creek. The exact nature of the vein cannot be determined at the present time because of the caved condition of the old workings. Old mine maps (see attached map) indicate the vein consists of several veinlets of quartz and sulfide minerals in intensely altered and sheared quartz monzonite. The individual veinlets range from less than 6 inches to as much as 4 feet in width. Ore and gangue minerals recognized on the dumps along the vein are light- to dark-gray quartz, tourmaline, chalcedony, arsenopyrite, pyrite, galena, and sphalerite. The radioactive material collected from the dump of the lower adit is probably finely disseminated pitchblende although this has not yet been definitely identified.

Several selected samples of vein material from the lower adit have been analyzed for uranium. Results of these samples are given below:

Sample No.	% eU	% U_3O_8
3PR 40	0.26	0.26
4DS 1	0.24	0.24
604A	0.37	0.33
605A	0.62	0.58
606A	0.39	0.36

These samples all contained varying amounts of chalcedony and sulfide minerals. In addition to these samples, many others with about the same amount of radioactivity as determined with a geiger counter have

been collected. Weak radioactivity has been detected on three dumps east of the lower adit of the Daniel Stanton mine.

Several shipments of ore have been made from the mine, but records of these shipments are not available to the writer. The attached maps show several stopes in the mine from which the shipments were apparently made. The applicant has submitted with his application a statement of the production from the mine, but the tonnage is not given. These records show a relatively high silver-lead content with minor amounts of zinc and gold.

Discussion of the applicant's proposal

The applicant proposes to reopen approximately 550 feet of drift, drift 250 feet on the vein to explore for the downward extension of an ore shoot indicated on old maps, and drive 100 feet of raise (see attached map).

The writer is in agreement with the proposed program and recommends that the project be set up in two stages. Stage I would include the rehabilitation of the adit and the 250 feet of drifting and Stage II would include the raising and be contingent upon Stage I. The location of the raising should be determined by the Field Team representative.

Field examination of the property indicates that the lower adit is probably caved for a distance of about 100 feet. The applicant states that he was in the adit before it caved, and he believes that beyond the first 100 feet the adit may be essentially open with only small caved areas. It seems advisable to reopen the old adit rather than drive a new adit off the vein because the mode of occurrence of the uranium-bearing material is not definitely known--although there is a close spatial relationship in dump specimens between the sulfide minerals and the uranium. It will be necessary to follow the vein as closely as possible in the old workings as well as in the drifting done during the exploration program in order to determine the mode of occurrence of the uranium and to determine whether or not any uranium ore bodies exist in the old workings.

Applicant's ability

Mr. Hampton has been mining for many years in the Boulder batholith area. He has been conducting his own mining operations for the past 10 years, principally in the Rimini district. He has worked in several mines near the Daniel Stanton, usually as a lessee, and has produced ore from several properties. The writer believes he is thoroughly competent to undertake the proposed work.

Conclusions

Many selected samples containing uranium of higher than ore grade have been collected from the dump of the lower adit of the Daniel Stanton mine, and three weak radioactivity anomalies have been detected east of this adit, probably on the same vein. The property has a record of production of lead, silver, zinc, and gold ore, and several stopes are indicated on old mine maps. The downward extension of one ore shoot on the upper adit level has apparently not been explored. Because of these reasons, the expenditure of the relatively small amount to rehabilitate the lower adit, drift 250 feet, and possibly raise 100 feet to explore for uranium, lead, and zinc seems warranted to the writer.

Attachments - 2

Distribution:
- DMEA (4)
- USBM (2)
- USGS (SRO)
- AEC (2)
- Docket
- Eacraft
- Pinckney

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
~~WASHINGTON 25, D.C.~~
1201 N. Division St.
Spokane 2, Washington
February 18, 1955

MEMORANDUM

To: DMEA Field Team, Region I

From: John D. Bardill, Bureau of Mines, Region I

Subject: Cost analysis, Docket No. DMEA 3610 (lead-zinc-uranium), J. S. Hampton, Daniel Stanton mine, Lewis and Clark County, Montana

This application was discussed with Mr. Hampton at Helena, Montana, on January 10, 1955, including cost estimates.

The proposed work will consist of reopening and rehabilitating 550 feet of the lower adit and drifting 250 feet on the vein as Stage I. About 50 feet at the portal is believed to be caved and will require spiling. If the results of this work are favorable, and if the Government approves, Stage II will be undertaken and will consist of 100 feet of raise or raises. The estimated cost of this lead-zinc-uranium project is $15,700.00 of which the Government participation at 62½ percent will be $9,812.50.

The work will be performed on an agreed unit cost basis.

The following unit costs were agreed upon and seem reasonable and are recommended.

Estimated costs

	Drifting	Spiling
Labor	$10.00/ft.	$12.50/ft.
Supervision	2.00	2.00
Insurance and taxes - 10%	1.20	1.45
Explosives	3.15	--
Ventube	1.00	1.00
Pipe and accessories	1.50	1.50
Misc. tools	0.25	0.25
Repairs	0.70	0.70
Equipment rental	4.50	4.50
Oil and fuel	1.30	1.10
Misc. supplies	1.35	1.30
Bits and steel	1.40	--
Rails, ties, spikes, etc.	1.45	1.45
Timber	--	2.50
Total	$29.80	$30.25

Rehabilitation: (no timbering)

Pipe and fittings	$1.50/ft.
Rail, ties, spikes, etc.	1.45
Ventube	1.00
Labor	1.05
	$5.00

Sample assays

Gold, silver, lead and zinc	3.50
Uranium	3.50
Cost per sample	$7.00

The cost of standard 5'x7' timbering has been well established at approximately $5.00 per foot.

The applicant, though not technically trained, is an experienced miner and has been making a living as a leaser for years. He is well equipped with compressor, mucking machine, truck, drills, etc. Applicant contracted the drifting and crosscutting at the Radon Research Corporation, Red Rock uranium project, last summer.

The following is suggested as an outline for a contract if this proposed program is favorably considered:

Description of the Work

The purpose of this work is to explore for lead, zinc and uranium at the Daniel Stanton mine.

The work shall be in two stages and consist of the following:

Stage I

1. Reopen and rehabilitate approximately 550 feet of the lower adit level. This work includes 50 feet of spiling and timbering an estimated 100 feet of caved ground near the portal, cleaning the entire adit, installing track, air and water lines, and vent pipe. The adit shall be not less than 5 feet by 7 feet in cross section in the clear of timber.

2. Drift not more than 250 feet on the vein to explore for the downward extension of an ore shoot indicated on old maps. The cross section shall be not less than 5 feet by 7 feet in the clear of timber. The drift shall be timbered as necessary.

Stage II

This work shall be undertaken only upon the approval of the Government and will be dependent upon the results of Stage I.

1. Raise not more than 100 feet at a site or sites mutually agreeable to the Operator and Government. The raise to be not less than 5 feet by 9 feet in rock section and timbered as necessary.

Agreed Unit Costs

Stage I

Not more than 550 feet of drift rehabilitation except where spiled - @ $5.00/ft. including air, water and ventilation pipe	$ 2,750.00
Not more than 100 feet of timbering @ $5.00/ft. except where spiled	500.00
Not more than 50 feet of spiling @ $30.00/ft. including timbering, air and water lines, track and vent pipe	1,500.00
50 sample assays for gold, silver, lead, zinc and uranium @ $7.00/sample	350.00
Professional engineering or geological consultant 2 days @ $50	100.00
Not more than 250 feet of drift @ $30.00/ft.	7,500.00
	$12,700.00

Stage II

100 feet of raise or raises @ $30.00/ft., not less than 5 feet by 9 feet in rock section and timbered where necessary	$ 3,000.00
Estimated total cost of the project	$15,700.00
Government participation @ 62½ percent	$ 9,812.50

Orig. & 3 cys - Wash.
USGS (2)
DMEA
Engr.

John D. Bardill

UNITED STATES
ATOMIC ENERGY COMMISSION
DIVISION OF RAW MATERIALS
Salt Lake Exploration Branch

usbm cc

ADDRESS REPLY TO:
U. S. Atomic Energy Commission
P. O. Box 2195
Salt Lake City, Utah
AND REFER TO:

SLEB:EET:af

January 28, 1955

Mr. A. E. Weissenborn
Administrative Geologist
U. S. Geological Survey
South 157 Howard Street
Spokane 4, Washington

Dear Al:

As you will note from the attached memorandum from Jerry Jarrard, he does not consider the proposed exploration for uranium at the Danial Stanton property a worthwhile project for government participation.

I concur in this conclusion and cannot recommend government assistance based on our present knowledge of this type of uranium occurrence in the Boulder batholith.

We will be glad to discuss this proposal further if you feel that it is a project worthy of DMEA participation.

Sincerely yours,

Ernest E. Thurlow, Chief
Salt Lake Exploration Branch
Division of Raw Materials

Encl.
As above

cc: L. D. Jarrard, Butte

RECEIVED
JAN 31 1955
U.S.G.S.
SPO... WASH

Ernest E. Thurlow, Chief, Salt Lake
Exploration Branch, Salt Lake City

January 18, 1955

Leonard D. Jarrard, Chief, Butte Sub-Office,
Salt Lake Exploration Branch, Butte

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
APR 25 1955

DMEA APPLICATION (URANIUM), JACK STANLEY HAMPTON,
DANIAL STANTON PROPERTY, LEWIS & CLARK COUNTY, MONTANA

SYMBOL: SLEB:LDJ:mf

DMEA

Reference is made to your memorandum of January 4, 1955 concerning Mr. Hampton's request for DMEA participation in opening up and exploration in the Danial Stanton mine.

Review of Preliminary Reconnaissance Report B-SEB-91 by K. C. Coryell and the recent U.S.G.S. publication TEI-469, indicates that both examinations agree in principle that the dumps and selected samples from these dumps exhibit radioactivity averaging about twice background, with the assumption that this material probably came from the ore shoot previously mined. Chemical assays did not indicate more than 0.03% U_3O_8. One isolated hand sample contained black veinlets of microcrystalline quartz assaying .26% U.

While I have no doubt that Mr. Hampton is sincere in his desire to explore the property and is therefore willing to spend the 25 percent required of his own resources, I do not think that the Danial Stanton would offer any greater possibilities for uranium production than have the several other properties of similar geologic nature, i.e., base metal type veins. There are several properties occurring in the Boulder batholith where it would be possible to obtain samples as good or better than those exhibited at the Danial Stanton and which have not been mined as extensively as has this property.

I cannot see where additional geologic knowledge would be gained by opening this mine and therefore fail to see why a DMEA loan should be granted for opening and exploration activities at the Danial Stanton.

Subject application is returned herewith, as requested.

Enclosure:
As above (1)

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Form Approved.
Budget Bureau No. 42-R1035.8.

Crawford

RECEIVED
OCT 28 1954
U. S. G. S.
SPOKANE, WASH.

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

Not to be filled in by applicant

Docket No. 3610
Metal or Mineral URANIUM
Date Received
Estimated Cost $17,156
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: JACK STANLEY HAMPTON
J. S. Hampton operator
Rimini Route
Helena Montana,

(*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 Designated by the Surveyor General as Lot - 38 - mineral entry 201 Recorded Book one page 61-62 Lewis & Clark County Court House Helena Montana Survey no. 130 or 398
2200 feet X 100 feet contains 5-51 Hundredth acres

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

☐ Money ☑ Use of equipment owned by you ☑ Other supplies

Explain in detail on acompanying paper.

CERTIFICATION

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

Dated October 27, 1954

J. S. Hampton
(Applicant)

By .....

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

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

page 1

October 23 1974 ..Minin Montana....The Daniel Stanton mine.

Designated by the Surveyer General as Lot ..38..mineral entry 201..recorded in book I page 61 and 62..Lewis and Clark county court house Helena Montana..
Township 8...Range 5 ..west....lies in the Tenmile mining destrict ..Lewis and Clark County...18 miles Ne..west of Helena Montana....10 miles from shipping point
There is very little timber on this claim ...having been burnt off about 30 years ago.....The veins of this destrict are mostly granite..banded with quarts and tal e Tourmaline.....the vein will often split...with out any apparent reason..going into the wall...as a rule they do not go far.....but I have seen places where they went a s much as 50 feet....I have operated here several years and the ores that I have mined have been deposited where numerous faulting has occured....they are normal faults and do not displace the ore or the walls.....but the Ore that I have found has been through open faults that have displaced the ore (vein) from a few inches to several feet ....the splits that run into the walls...give the appearance o somewhat of a strike fault...but this is not true...as the main structure continues on undisturbed.....The ores form in lenzes that vary in size...but the values remain consistant...in the order of Silver ...lead and Gold....at times lead will lead the Silver values...not often..but they do remain consistant in thier values
I have operated within a Few hundred feet of the Stanton for several years so what I say here will apply to the Stanton.....I have found several places here that a volume of it will react on the Gieger counter....but to isolate it the count is very weak.....What I have found on the Stanton dump...is definately U3O8 ore
There is no way that I can get an accuret record of the production of the Stanton ——
The American Smelting and Refining records are incomplete.....there was other shipments that was shipped elsewhere....some to the Old Timber Butte Mill at Butte Montana ...and possibly others to England in the early days...I am enclosing some of the A.S.and R records.....other information is nearly heresay...and of no value to any one.....I have been in the tunnel which I want to open (Stanton) but I have never been into the old workings....I ask several of the old timers who have been in them....they dont remember to much about it....they do say that the vein is 4 to 6 feet wide and stands about 75 degrees...I run the vein out and it runs about the same as the side lines...which is ~~25~~ N.75 degrees E.
I have examined the Uranium ore from this mine very closely...it is in quartz it has a dull smokey appearance..as if blackened by a carbide light...
I belive it is Pitchblende.....this is not the ore that was mined for lead and Silver....there is not enough lead or Silver to mine for
I belive that it is close to the place where the lead Silver was deposited And I am Purty sure that it is still there ...I had one sample run a few days ago and I have another one in now...I will enclose them...also I am enclosing a trace map of the original plate of the Stanton mine....also a U S G S map showing some of the cross cut tunnels and also two of the major faults are shown
All the workings near the surface of the Stanton seemed to be badly caved.
The tunnel that I want to open seems to be down for a hundred foot and maba 25 or 30 feet beyond that... however the vein will sluff and slab off..but it is granite and does not swell or take weight..the monzonite will run for a ways but it is not dangerous...this is not heavy ground ..and I know that I can open it
I probably wont make much time on the first 150 feet...but over the whole job I think that I have figgered it purty close and could have it open in a little over three month...I want to stay on the vein...because I belive it will pay off.
There would not be much chance of finding lead and Silver as I belive that we would be under it.I operated the Bunker Hill mine the next claim south and while there w was some ore that deep it was heavy in arsnic and iron .
I have been mining since 1924.mucker miner .shift boss mine foreman and doing contract mining..leasing.and operating my own out fit since 1944..I am qualified to fill any mining job or supervise..Prospecting has been the bigest part of my life.

October 22....1954..Estimatem cost of reopening 550 feet of drift
The Danial Stanten mine.....

This mine has two tunnels and they are both caved the tunnel that I want to open is 550 feet long it has a raise dreve into the upper workings...where the Lead and Silver ore was mined.....I do not know enough about the upper workings to make a map of it I have been in the lower tunnel years age the raise is about half way in I estimatedn the elevation of the lower tunnel 5650 feet this drift goes into a hill 700 feet above the lower tunnel it inclines approxmately 52 degree this mine lies in the Continental Devide of the Rockies. deep snows thru the late winter and spring However I have always managed to work most of the time.
I made atrip to the Colorado Utah Wyoming country and I saw hiw the ores layed, mostly on flat bedding planes, I enley saw one that was in a vein such as I have here that was at Maryvale Utah and it was a good one ...So I can truthfully say I belive that this mine will produce Uramium ore...Pitchblende.
Miners wages are....$15.00 a shift...payroll contrubtions ...per $1. as follows
S.S..2 cent.....unempheyment compansation...2.4 cent....State Compansation..8 cent
I own my equipment and there is no leins or mortgage...I owe no debts...
I am not a prometer...what I do is entirely on my own..we own our home at Rimini.

.....

	Value...use	..allowance..pre ment h
I.R. compresser...160..cu ft.....	$2000.00.....	$125.00..n.
Emico...Finley mucking machine.....	$1250.00.....	$100.00...
F.W.D. truck.....	$800.00.....	$25.00
Air hose.....	$40.00	no no
mine car.....	$60.00	none

Gaseline...20 cent gal...500.gal per month.....$100.00
Oil for mucker and compresser....10 gal month.....,,$10.00
Picks shevels hammer wrenches..and all moscelleaneous tools. $25.00 for job.
Air line..30 cent per ft..600 ft .....,....$180.00.....$10.00
mine track inclideing spikes ..belts and fish plates $280.....$10.00 ..600 ft
Bookiping.....per month.....$10.00
Compresser house.....$150.00
track ties.....10.cent ea.....500.....$50.00
safty stulls $1.00 ea 25.....$25.00
pole laggin..15cent ea...15 per set.....$1.95
Girts 75 cent ea ...2...per set.....$1.50
Caps ...$2.00 ea .....1...per set.....$2.00
Posts ....$2.25...ea .....2...per set.....$4.50
100...pounds of blasting powder..bulldozing.....$24.50
I estimate 43 sets of timber at least 8 sets will be used under the raises the rest will be used in the drift...timber prices are based on delivery at the mine
Total cost of timber...45 sets..25..stulls.....$452.85
cost to me for reopening 550 ft of drift...$5.and a few cent per ft..
Cost to the Goverment...reopening 550 ft of drift...per ft...$9.
My approxmate cost.....$1658.00
Approxmate cost to the Goverment.....$4950.00

page 3

October 25...1954...Danial Stanten mine.... seccond stage....

If after opening the tunnel...our findings of U308 ore justify any more work I would like to drive a drift ahead 250 feet that would put us under another possiable ore shoot...then picking out the most likely place I would like to drive two prospect raises...50 feet each.the place that I found on the surfave has quartz and monzonite in it with a little Lead.....But it does not count enough to sample.....but I think that with depth that it would prove out alright it is a good strong vein....and has a lot of possiablitics.
I will furnish all the equipment and the supplies...in addition to the equipment that I have already listed I will be useing the following....

	Value....use allowance..per mont h
I .R tagger.....	$550.00.....$15.00
I.R. 58...steper.....	$375.00.....$50.00
6 sets of steper steel.....	$126.00..total for the job
9 carbley..bits .....$12.50 ea.....	" " " "
Swede bar and machine.....	$500.00.....$50.00
6 peices of swede stell.....$20.00 ea	.....total for the job
250.feet of air hose and oiler.....	$60.00.....$5.00
water hose.....	$30.00.....$5.00
250 feet of air line.....	$75.00
250 feet of mine track.....	$125.00
water tank	$50.00
powder and fuse ....and blasting caps $5.00 ft...	$750.00
Raise timber per set..$12..will use 4 18 sets.	$196.00

I will furnish the above list but I do not have any ventilation it will cost $800.00...for 800 feet....I would like for the Goverment to pay 75%..me25%

Cost to the Goverment for ventilation...800 feet.....$600.00
Cost to me for ventilation.....800.feet.....$200.00
Cost to the Goverment ..250 feet of drift$18.75..per feet....$4687.50
Cost to me 250 feet of drift.....$6.25 per feet.....$1562.50
Cost of raise to the Goverment.100 feet..$26.25 per feet..$2625.00
Cost to me raise 100 feet..$8.75 per feet.....$875.00

Total cost to the Goverment for ventilation..raising and drifting....$7910.00
Total cost to me for ventilation...raising and drifting.....$2657.50

also 25 samples

October

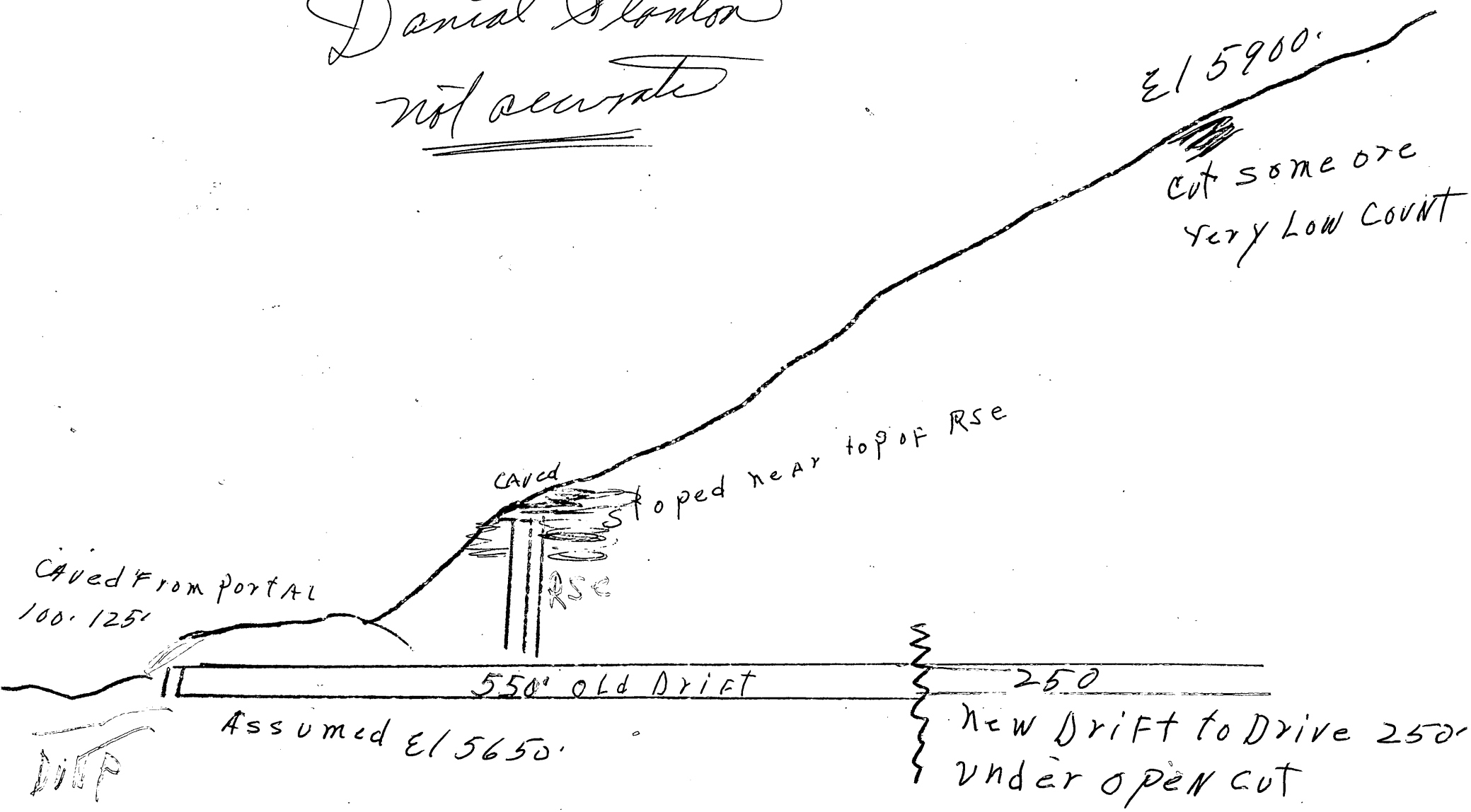
October 24...1954...Production from the Daniel Stanton Mine.
copied from the files of the American Smelting and Refining Co
East Helena Montana.

year	Sx	Ag	Au	Pb	Zn	Silica	Fe	insol
1901		55.5	0.15	30.4	7.3	21.4	15	
Sx		29	0.28	21.1	3	39.6	11.8	
		34	0.28	16.9	5.2	41.4	12.7	
1902		28.2	0.34	28.7				
		30.4	0.44	30.5	15.8	16.4	7.9	
		26.3	0.16	11.9				
1903		21.6	0.13	30.5				
1904		25.4	0.36	24.5				
1905		19.8	0.24	18.3	8.3			
1917		41.5	0.5	55.6	11.5			
		10.9	0.14	10.1	25.2			
		50.6	012	59.2	11.5			
		12.3	0.6	15	19	38.9	7.	
		10.3	0.8	11	13	39.5	8.5	
1926		29.1	0.10	34.1	20.9		7.	

I do not know enough about the underground working to map them

Danial Stanton

not accurate



A. V. TRENT,
Owner-Manager

GOODALL BROTHERS

ASSAYERS AND METALLURGICAL CHEMISTS

46 SO. MAIN ST., HELENA, MONTANA

TEL. 628
P. O. BOX 537

Date Oct 23-1954

UMPIRE ASSAY..... CONTROL ASSAY..... HAND SAMPLE ✓

ASSAYED FOR: Jack Hampton

MARKS: Bimini Road

Sample No.	DESCRIPTION	GOLD Ozs. Per Ton	SILVER Ozs. Per Ton	WET LEAD Per Cent	COPPER Per Cent	ZINC Per Cent	IRON Per Cent	INSOL. Per Cent	WO3 Per Cent	Total Value Per Ton
1	10/19								0.24	
2	10/23								0.42	

Gold not deducted:.....

Charges $ 12.00

GOODALL BROS.

By A. V. Trent

NPCo. C-1871

Surname Copy

700

F L Knouse
Elis
Guhon
Külsgaard
Selfridge

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

Mr. Jack S. Hampton
Rimini Route
Helena, Montana

NOV - 4 1955

Re: Docket No. DMEA-3610 (Uranium-Lead-Zinc)
Daniel Stanton Mine
Lewis and Clark County, Montana

Dear Mr. Hampton:

Your application for aid in an exploration project and other information available to us in Washington concerning your above-named property have been reviewed.

Projects approved by the Defense Minerals Exploration Administration must, in its judgment, show definite promise of yielding materials of acceptable grade in quantities that will significantly improve the mineral supply position for the National Defense Program.

Careful study of all our information, although noting a small amount of uranium, copper, and lead-zinc mineralization on your lease, indicates to us that the probability of disclosing minable ore reserves by your proposed program is not sufficiently promising to justify Government participation. We regret to advise you that, under these circumstances, your application for exploration assistance is denied without prejudice to the property. If future work at your property reveals evidence which could materially alter this opinion, be assured we will be pleased to consider a new application.

We wish to thank you for your interest in the Defense Minerals Program and for bringing your property to our attention.

Sincerely yours,

Frank E. Johnson

ACTING Administrator

FLKnouse/izm
11/3/55
cc to: Admr. Reading File
Operating Committee
Docket
Code 700
Mr. Knouse
Messrs. JECrawford, Rm. 3641
THKiilsgaard, Rm. 5224
JOHosted, Rm. 3210, GSA
DMEA Field Team, Region I (2)

A.C.S.

Docket Copy

F. L. Krause
Ellis

November 3, 1955

Summary of Proposed Project

Object: Denial of application for an exploration project.

Docket No.: DMEA-3610

Commodities: Uranium, lead, zinc

Applicant: Jack Stanley Hampton
Rimini Route
Helena, Montana

Property: Daniel Stanton Mine, located on the patented Daniel Stanton lode claims, Mineral Survey No. 398, Mineral Entry 201, in secs. 4 & 5, T. 8 N., R. 5 W., M.P.B.M., Lewis and Clark County, Montana. Claim size 100' x 2,200'.

Date of Application: October 27, 1954.

Amount of Application: $17,156

Work Proposed:

Stage I

Rehabilitate 550 feet of adit on vein	$6,608.00	
Stage II		
Drift 250 feet on vein) Raise 100 feet on vein)	10,547.50	
Total Estimated Cost (Rounded to)		$17,156.00

Field Team Report: Dated April 21 and 26, 1955.

Recommended an exploration program as follows:

Stage I

Reopening and rehabilitating 550 feet of caved adit	5,200.00	
250 feet drifting on vein @ $30.00/ft.	7,500.00	
Total Stage I		$12,700.00

Stage II

100 feet of raising on vein @ $30.00/ft.	$3,000.00
Total Estimated Cost of Project	$15,700.00
Government participation @ 62½ percent (because of the base metal content in ore)	9,812.50

Comments: The above recommended program was based on uranium content of samples collected from the adit dump, and earlier investigation and reports by the USGS, May 6, 1955, USBM Commodity Specialist concurred with Field Team's recommendations.

May 11, 1955, Field Team was requested to furnish more information.

May 31, 1955: Since the project was based primarily on samples obtained from the dump, Field Team was requested to contact Operator and determine if he would make lower adit accessible for sampling by Field Team.

A communication from the Field Team dated June 2, 1955 reported that the Operator, instead of waiting for a DMEA Contract, opened the lower adit sufficiently for an examination of the workings. The Operator reported some good uranium ore near the adit portal, but the maps in the old reports were in error, and subsequent work had advanced the adit about 300 feet to the projection of the ore shoot found in upper workings.

Supplemental Field Team Report - October 10, 1955:

Conclusions (Examining Geologist)

"Uranium of ore grade has been found in the Daniel Stanton mine in a quartz sulfide vein and in altered wall rock near the vein. Samples containing the most uranium were from the wall rock adjacent to the widest part of the vein. This seems to indicate that uranium-bearing hydrothermal solutions followed the same channel as the quartz-sulfide-bearing solutions, but that uranium was deposited in the wall rocks, rather than in the vein; or that uranium has been leached from the vein, but not in all places from the wall rocks."

Recommendations:

"I recommend that the Government not enter into a contract to explore the Daniel Stanton mine for uranium, lead, or zinc because the uranium-bearing rock (while of ore grade) is only a few inches wide in the accessible parts of the mine, and the applicant reports the extension of the lead-

zinc ore shoot has been mined. However, the applicant intends to drive a short raise on the ore band. If he should find uranium-bearing rock of greater extent and similar grade in the mine, such a place should be explored."

Commodity Members:

USGS and USBM, on October 21 and 25, 1955, concur in the Field Team's denial of the application.

Rare and Miscellaneous Metals Division - F. L. Knouse, November 3, 1955:

Concur in the denial of the application, and a letter was written to the Applicant advising of the decision to deny the application without prejudice to the property.

Ernest Wm. Ellis

Ernest Wm. Ellis, Chief
Rare and Miscellaneous
Metals Division

10/27/55 gh

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

RECEIVED
OCT 27 1955

October 25, 1955

Memorandum

To: Ernest William Ellis, DMEA Member
Uranium Commodity Committee, Room 4443

From: John E. Crawford, Bureau of Mines Member
Uranium Commodity Committee

Subject: Supplementary Examination Report, Docket No. DMEA 3610, Jack Stanley Hampton, Daniel Stanton Mine, Lewis and Clark County, Montana

I have reviewed the supplementary report dated October 6, Docket No. DMEA 3610, and I have discussed it with Joseph O. Hosted, Washington representative of the Atomic Energy Commission. The supplementary report was received in this office on October 24.

The original exploration program consisted of rehabilitation of the lower adit followed by drifting to a position below an area stoped on the upper adit level. A second stage was to consist of raising.

The drift was caved for about 80 feet and filled with water for about 350 feet, thereby preventing a thorough examination of the mine by the DMEA team. Using his own funds, the applicant restored the drift, thus making an appraisal examination feasible.

A DMEA field examination conducted on August 23, 1955, revealed that the target of the proposed exploration project had been previously mined out. Consequently, the field team recommends denial of the application.

Based on the supplemental report by Darrell M. Pinckney, we concur in the recommendation of denial of the application.

The report is being forwarded to the Chief, Division of Minerals, in accordance with the attached routing slip.

John E. Crawford

John E. Crawford

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

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OCT 27 1955

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Based on the supplemental report by Darrell M. Pinckney, we concur in the recommendation of denial of the application.

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

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Based on the supplemental report by Burrell M. Pinchney, we concur in the recommendation of denial of the application.

The report is being forwarded to the Chief, Division of Minerals, in accordance with the attached routing slip.

John E. Crawford

10/26/55 gla

IN REPLY REFER TO:

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

RECEIVED
OCT 2 5 1955

October 21, 1955

Re: DMEA 3610
Jack Hampton
Daniel Stanton Lode
Lewis and Clark Co., Mont.
Uranium-Lead-Zinc

Memorandum

To: E. W. Ellis, Defense Minerals Exploration Administration

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

Subject: Review of Supplemental Examination Report.

The application concerned possible work in an old silver-lead mine on the dump of which were found specimens of radioactive mineral-bearing rock.

Work was to consist of reopening a caved adit and drifting and raising on the vein. While awaiting action on the application, the applicant opened the adit and found the drift extension had been made and ore mined.

The examiner mapped and sampled the adit. Radioactive material of ore grade was found in the vein and wall rock near the vein, but the amount is probably small. In view of the findings of the examiner, the Field Team decided its tentative acceptance recommendation should be changed to one of denial of the application.

I concur with the recommendation of denial.

N. E. Nelson

N. E. Nelson

IN REPLY REFER TO:

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

RECEIVED
OCT 25 1955

October 21, 1955

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Jack Hampton
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Lewis and Clark Co., Mont.
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I concur with the recommendation of denial.

N. E. Nelson

N. E. Nelson

NENelson:iml
G-10/21/55

cc: Director's reading, 4212
Branch reading, 4212
DMEA (3)
Docket file
J. E. Crawford, 3641
J. O. Hosted, 3210

IN REPLY REFER TO:

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

RECEIVED
OCT 25 1955

October 21, 1955

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Jack Hampton
Daniel Stanton Lode
Lewis and Clark Co., Mont.
Uranium-Lead-Zinc

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DMEA (3)
Docket file
J. E. Crawford, 3641
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IN REPLY REFER TO:

RECEIVED
OCT 25 1955

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

October 21, 1955

Re: DMEA 3610
Jack Hampton
Daniel Stanton Lode
Lewis and Clark Co., Mont.
Uranium-Lead-Zinc

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NENelson:iml
G-10/21/55

cc: Director's reading, 4212
Branch reading, 4212
DMEA (3)
Docket file
J. E. Crawford, 3641
J. O. Hosted, 3210

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
~~WASHINGTON 25, D. C.~~
No. 157 Howard Street
Spokane 4, Washington

RECEIVED
OCT 14 1955

October 10, 1955

Reviewed by
DMEA OPERATING COMMITTEE
10/19/55
(date)

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

Re: Project No. DMEA-3610 (uranium-lead-zinc)
Jack Stanley Hampton
Daniel Stanton Lode
Lewis and Clark County, Montana

Dear Mr. Selfridge:

Enclosed is a memorandum from Harrell M. Pinsbury, Geological Survey, supplementing the April 18, 1955, report of George I. Bassett, Geological Survey, on the Daniel Stanton lode.

The exploration program recommended by Bassett was to consist of rehabilitation of the lower adit followed by drifting to a position below an area stoped on the upper adit level. A second stage was to consist of raising.

It was believed that the chief value of any discovery would be lead ore; it was also believed that small, but significant, amounts of uranium ore might also be discovered.

Mr. Hampton, using his own funds, reopened the lower adit and in so doing discovered that the lower adit had been extended to the ore shoot and that the target of the proposed exploration project had been mined out.

A remaining possibility was that the uranium-bearing material was alone worth exploring. The uranium-bearing material, as exposed in the rehabilitated lower adit, was sampled by Pinsbury and though some assays were of ore grade the zones are not wide enough, or are too low grade, to be exploration targets.

We feel we must change our tentative recommendation of April 14, 1975, and recommend that the application be denied.

By Field Team, Region 2, NW Dist.

[redacted]
[redacted]
U. S. Geological Survey

[redacted]
[redacted]
U. S. Bureau of Mines

Enclosure

cc: ✓ [redacted] (2)
[redacted] (2)
[redacted] (2)
[redacted] (2)
[redacted]

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

RECEIVED
OCT 14 1955

October 6, 1955

Reviewed by
DMEA OPERATING COMMITTEE
10/19/55
(date)

MEMORANDUM

To: Field Team, Region I, Northwest District

From: Darrell M. Pinckney, Geologist, U. S. Geological Survey

Subject: Supplementary Examination Report, Docket No. DMEA-3610 (uranium-lead-zinc), Jack Stanley Hampton, Daniel Stanton Mine, Lewis and Clark County, Montana.

Reference: Report and maps on Daniel Stanton Mine by G. E. Becraft, April 18, 1955.

RECOMMENDATIONS

I recommend that the Government not enter into a contract to explore the Daniel Stanton mine for uranium, lead, or zinc because the uranium-bearing rock (while of ore grade) is only a few inches wide in the accessible parts of the mine, and the applicant reports the extension of the lead-zinc ore shoot has been mined. However, the applicant intends to drive a short raise on the ore band. If he should find uranium-bearing rock of greater extent and similar grade in the mine, such a place should be explored.

GEOLOGY

During the winter of 1954-1955 the applicant opened the portal of the mine which was caved for about 80 feet. Beyond that the drift was essentially open for about 350 feet but was filled with limonite and water. From spring to midsummer the applicant slowly drained the water (to prevent contamination of the Helena water supply) and cleaned a narrow "path" through the thick limonite deposit.

At a point about 20 feet east of the second raise the drift is slightly caved. Beyond this point it is filled with water to a depth of three or four feet. The area beyond the second raise was shown on an old map (see Becraft report) to be virgin ground below an ore shoot on the level above. Mr. Hampton reports that he entered this area after opening the portal and that the ore body apparently did

extend to the lower adit level but that the area has been stoped.

Mr. Hampton states that he made a radiometric survey of the mine and found very little radioactivity east of the second raise or in the second raise. The first raise has been inaccessible because of a large quantity of water and a few rocks falling down it.

On August 23, Mr. Hampton and I made a radiometric survey of the drift west of the second raise and sampled the best spots. The radioactivity and sample results are shown on the attached geologic map.

The highest radioactivity is restricted to a zone of intense sericitic alteration near the vein. The vein is dominately white to gray quartz that contains pyrite, arsenopyrite, chalcopyrite, a little galena, and sphalerite. Bordering the vein is a zone of intense sericitic alteration from a few inches to a few feet in width, which is in turn bordered by a zone in which the plagioclase of the quartz monzonite is entirely altered to clay. As shown on the geologic map the quartz part of the vein zone is not always present but the intense sericitic altered zone persists. Disseminated pyrite, galena and sphalerite occur several places near the center of the sericite zone where no quartz vein is present and in a zone a few inches wide bordering the quartz vein. The best radioactivity was found in a band of the sericite alteration zone five to ten inches wide that contains only sparse disseminated sulfides and which is adjacent to the zone of clay alterations. This seems to indicate that any uranium in the mine probably was not removed with the sulfide ore bodies.

In general, Geiger counter readings bear very little relation to the uranium content of the rocks. Assay results for uranium and equivalent uranium show that in places the uranium is far out of equilibrium with its daughter products.

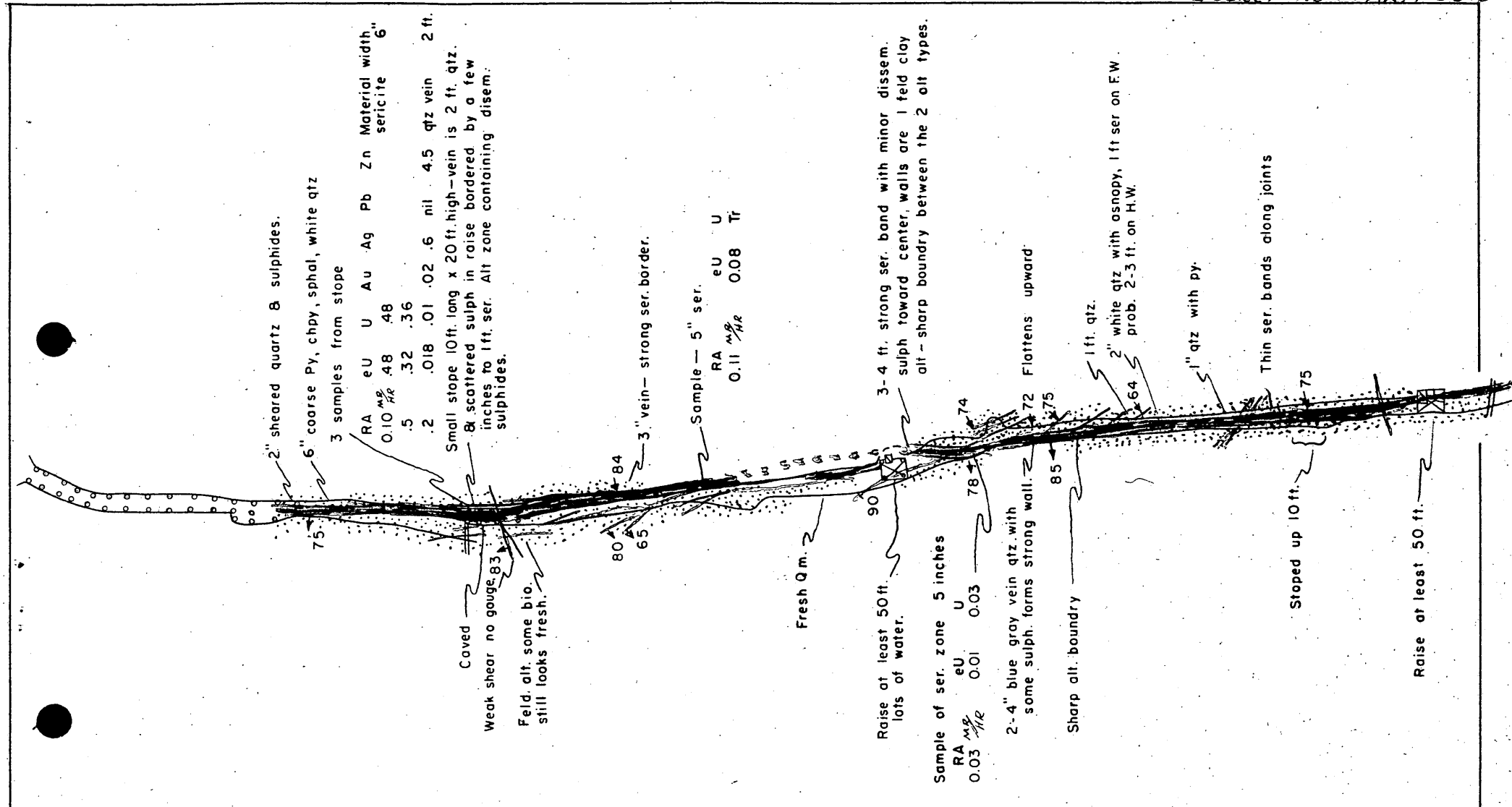
CONCLUSIONS

Uranium of ore grade has been found in the Daniel Stanton mine in a quartz sulfide vein and in altered wall rock near the vein. Samples containing the most uranium were from wall rock adjacent to the widest part of the vein. This seems to indicate that the uranium-bearing hydrothermal solutions followed the same channel as the quartz-sulfide-bearing solutions, but that uranium was deposited in the wall rocks rather than in the vein; or that uranium has been leached from the vein, but not in all places from the wall rocks.

Attachment 1

Distribution:
- DMM (4)
- USBM (2)
- USGS (SRO)
- AEC (2)
- Docket
- Pinckney

Docket No DMEA 3610



EXPLANATION

- Fresh quartz monzonite
- Feldspar altered to white clay
- Complete alteration to sericite
- Vein-quartz & sulphides
- Foot of Raise with ore chute

N

DANIEL STANTON-LOWER ADIT

Rimini Montana

1" = 40'

D.M.P. 10-1-55

10/25/55 gla

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

RECEIVED
OCT 14 1955

October 10, 1955

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

Re: Docket No. DMEA-3610 (uranium-lead-zinc)
Jack Stanley Hampton
Daniel Stanton Lode
Lewis and Clark County, Montana

Dear Mr. Selfridge:

Enclosed is a memorandum from Darrell M. Pinckney, Geological Survey, supplementing the April 18, 1955, report of George E. Becraft, Geological Survey, on the Daniel Stanton lode.

The exploration program recommended by Becraft was to consist of rehabilitation of the lower adit followed by drifting to a position below an area stoped on the upper adit level. A second stage was to consist of raising.

It was believed that the chief value of any discovery would be lead ore; it was also believed that small, but significant, amounts of uranium ore might also be discovered.

Mr. Hampton, using his own funds, reopened the lower adit and in so doing discovered that the lower adit had been extended to the ore shoot and that the target of the proposed exploration project had been mined out.

A remaining possibility was that the uranium-bearing material was alone worth exploring. The uranium-bearing material, as exposed in the rehabilitated lower adit, was sampled by Pinckney and though some assays were of ore grade the zones are not wide enough, or are too low grade, to be exploration targets.

Reviewed by
DMEA OPERATING COMMITTEE
10-19-55
(date)

We feel we must change our tentative recommendation of April 19, 1955, and recommend that the application be denied.

By Field Team, Region I, NW Dist.

for Verne C. Fryklund
A. E. Weissenborn, Exec. Officer
U. S. Geological Survey

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

Enclosure

cc: DMEA (4)
USBM (2)
USGS (SRO)
AEC (2)
Pinckney

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

RECEIVED
OCT 14 1955

October 6, 1955

MEMORANDUM

To: Field Team, Region I, Northwest District

From: Darrell M. Pinckney, Geologist, U. S. Geological Survey

Subject: Supplementary Examination Report, Docket No. DMEA-3610 (uranium-lead-zinc), Jack Stanley Hampton, Daniel Stanton Mine, Lewis and Clark County, Montana.

Reference: Report and maps on Daniel Stanton Mine by G. E. Becraft, April 18, 1955.

RECOMMENDATIONS

I recommend that the Government not enter into a contract to explore the Daniel Stanton mine for uranium, lead, or zinc because the uranium-bearing rock (while of ore grade) is only a few inches wide in the accessible parts of the mine, and the applicant reports the extension of the lead-zinc ore shoot has been mined. However, the applicant intends to drive a short raise on the ore band. If he should find uranium-bearing rock of greater extent and similar grade in the mine, such a place should be explored.

GEOLOGY

During the winter of 1954-1955 the applicant opened the portal of the mine which was caved for about 80 feet. Beyond that the drift was essentially open for about 350 feet but was filled with limonite and water. From spring to midsummer the applicant slowly drained the water (to prevent contamination of the Helena water supply) and cleaned a narrow "path" through the thick limonite deposit.

At a point about 20 feet east of the second raise the drift is slightly caved. Beyond this point it is filled with water to a depth of three or four feet. The area beyond the second raise was shown on an old map (see Becraft report) to be virgin ground below an ore shoot on the level above. Mr. Hampton reports that he entered this area after opening the portal and that the ore body apparently did

Reviewed by
DMEA OPERATING COMMITTEE
10-19-55
(date)

extend to the lower adit level but that the area has been stoped.

Mr. Hampton states that he made a radiometric survey of the mine and found very little radioactivity east of the second raise or in the second raise. The first raise has been inaccessible because of a large quantity of water and a few rocks falling down it.

On August 23, Mr. Hampton and I made a radiometric survey of the drift west of the second raise and sampled the best spots. The radioactivity and sample results are shown on the attached geologic map.

The highest radioactivity is restricted to a zone of intense sericitic alteration near the vein. The vein is dominately white to gray quartz that contains pyrite, arsenopyrite, chalcopyrite, a little galena, and sphalerite. Bordering the vein is a zone of intense sericitic alteration from a few inches to a few feet in width, which is in turn bordered by a zone in which the plagioclase of the quartz monzonite is entirely altered to clay. As shown on the geologic map the quartz part of the vein zone is not always present but the intense sericitic altered zone persists. Disseminated pyrite, galena and sphalerite occur several places near the center of the sericite zone where no quartz vein is present and in a zone a few inches wide bordering the quartz vein. The best radioactivity was found in a band of the sericite alteration zone five to ten inches wide that contains only sparse disseminated sulfides and which is adjacent to the zone of clay alterations. This seems to indicate that any uranium in the mine probably was not removed with the sulfide ore bodies.

In general, Geiger counter readings bear very little relation to the uranium content of the rocks. Assay results for uranium and equivalent uranium show that in places the uranium is far out of equilibrium with its daughter products.

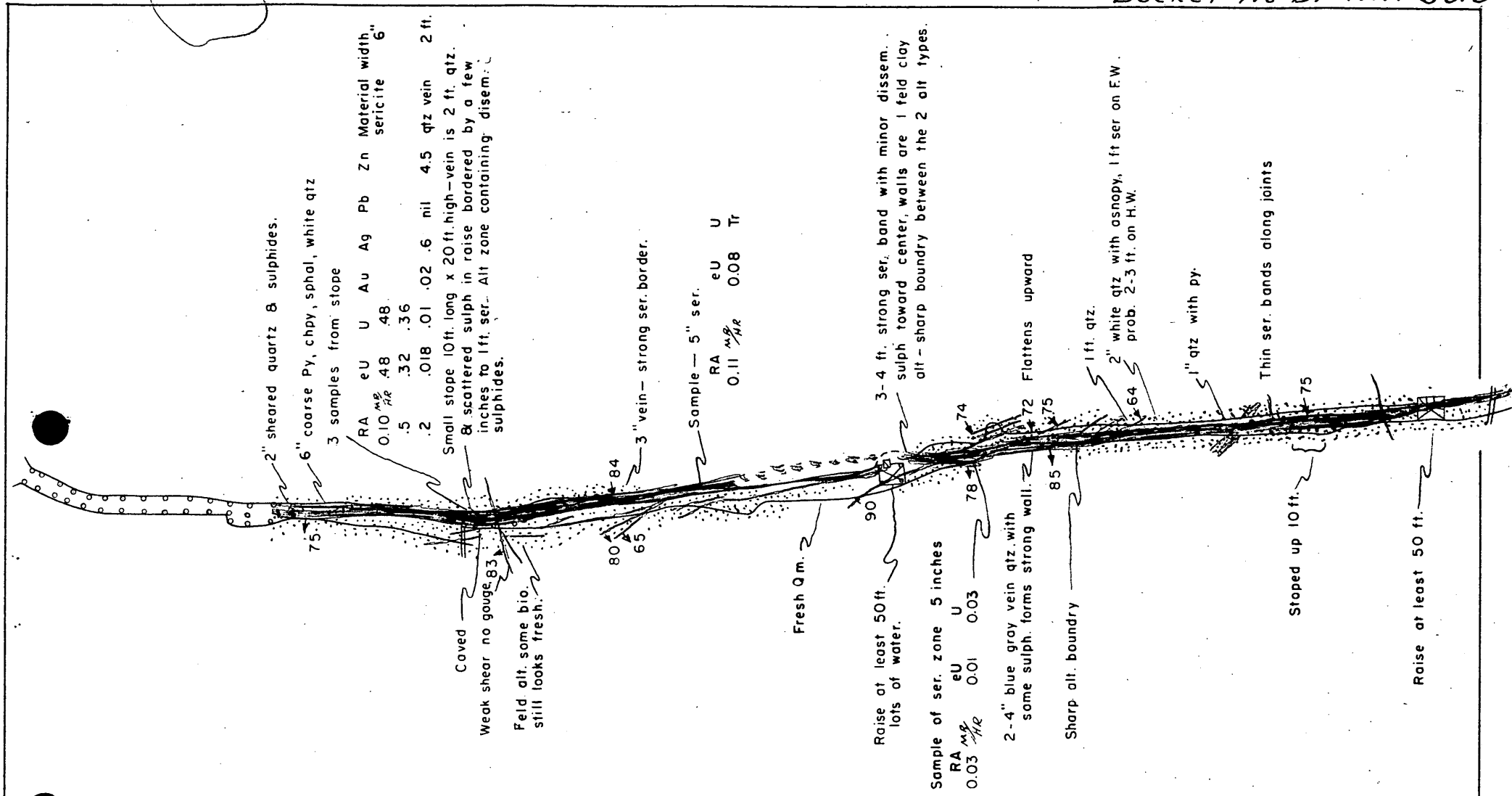
CONCLUSIONS

Uranium of ore grade has been found in the Daniel Stanton mine in a quartz sulfide vein and in altered wall rock near the vein. Samples containing the most uranium were from wall rock adjacent to the widest part of the vein. This seems to indicate that the uranium-bearing hydrothermal solutions followed the same channel as the quartz-sulfide-bearing solutions, but that uranium was deposited in the wall rocks rather than in the vein; or that uranium has been leached from the vein, but not in all places from the wall rocks.

Attachment 1

Distribution:
DMEA (4)
USBM (2)
USGS (SRO)
AEC (2)
Docket
Pinckney

Docket No DMEA 3610



EXPLANATION

- Fresh quartz monzonite
- Feldspar altered to white clay
- Complete alteration to sericite
- Vein-quartz & sulphides
- Foot of Raise with ore chute

N

DANIEL STANTON-LOWER ADIT

Rimini Montana

1" = 40'

D.M.P. 10-1-55

9/6/55 gla

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

RECEIVED
SEP - 2 1955

August 30, 1955

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

Re: Docket No. DMEA-3610 (uranium-lead-zinc)
Jack Stanley Hampton
Daniel Stanton Lode
Lewis and Clark County, Montana

Dear Mr. Selfridge:

On August 15, 1955, Darrell M. Pinckney, Geologist, Geological Survey, wrote to Jack Stanley Hampton asking if the adit were accessible for sampling and mapping. Mr. Hampton had apparently not received this letter when he sent his telegram of August 19.

We have written to Mr. Pinckney, asking him to expedite his examination. A copy of this letter is enclosed.

Sincerely yours,

Verne C. Fryklund Jr.

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

Enclosure
cc: USBM (2)
Pinckney

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

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Executive Officer, DMEA
Field Team, Region I, NW Dist.

Enclosure
cc: USBM (2)
Pinckney

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

RECEIVED
SEP - 2 1955

August 30, 1955

Mr. Darrell M. Pinckney
93½ Granite Street
Butte, Montana

Re: Docket No. DMEA-3610 (uranium-lead-zinc)
Jack Stanley Hampton
Daniel Stanton Lode
Lewis and Clark County, Montana

Dear Darrell:

Enclosed are copies of correspondence from the Operating Committee and the referenced applicant. If you have not already examined the adit, perhaps you should go ahead, even if he has not done all the clean-up work he had promised.

Sincerely yours,

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

Enclosures
cc: DMEA (2)
USBM (2)

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

RECEIVED
SEP - 2 1955

August 30, 1955

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Operating Committee, DMEA
Department of the Interior
Washington 25, D. C.

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Daniel Stanton Lode
Lewis and Clark County, Montana

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We have written to Mr. Pinckney, asking him to expedite his examination. A copy of this letter is enclosed.

Sincerely yours,

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

Enclosure
cc: USBM (2)
Pinckney

COPY

943½ W. Granite
Butte, Montana

RECEIVED
SEP - 2 1955

August 15, 1955

Mr. Jack S. Hampton
Rimini Rt.
Helena, Montana

Re: Docket DMEA-3610
(uranium, lead, zinc)
Jack Stanley Hampton
Daniel Stanton Lode
Lewis & Clark County, Mont.

Dear Jack:

As you probably recall during our conversation at the mine June 7, 1955, you stated that you intended to clean out the Stanton adit to make it accessible for mapping and sampling. I believe you thought the adit would be accessable in three or four weeks.

Is the adit cleaned out so that I can map and sample it? If it is, when would be a convenient time for this?

Sincerely yours,

Darrell M. Pinckney
Geologist

CC: A. E. Weissenborn

COPY

RECEIVED
SEP - 2 1955

943½ W. Granite
Butte, Montana

August 15, 1955

Mr. Jack S. Hampton
Rimini Rt.
Helena, Montana

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(uranium, lead, zinc)
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Daniel Stanton Lode
Lewis & Clark County, Mont.

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Is the adit cleaned out so that I can map and sample it? If it is, when would be a convenient time for this?

Sincerely yours,

Darrell M. Pinckney
Geologist

CC: A. E. Weissenborn

surname 700

Ellis
Selfridge
Mathewson

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

AUG 24 1955

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

Re: Docket No. DMEA-3610 (Uranium-lead-zinc)
Jack Stanley Hampton
Daniel Stanton Lode
Lewis and Clark County, Montana

Dear Mr. Weissenborn:

There are enclosed copies of a letter dated August 19, 1955, from Jack Hampton, the subject Applicant.

With Applicant's letter was a copy of a letter, also dated August 19, addressed to Darrell Pinckney, who, according to John S. Vhay's letter dated June 24, to the Operating Committee, is now handling the application. It is not clear from all the correspondence whether the workings are accessible for examination or not. However, it does appear that Applicant wants some assistance in rehabilitation and also plans a change in the proposed work.

Kindly advise if an examination is scheduled and when we may expect to receive the supplemental report and recommendation.

Sincerely yours,

George C. Selfridge
Chairman, Operating Committee (JHB)

Enclosures:

APPROVED:

/s/ Robert W. Geehan (JHB)
Member, Bureau of Mines

Thor H. Kiilsgaard (JHB)
Member, Geological Survey

EWEllis:am
8-23-55
cc to: Admr. Reading File
Operating Committee
Docket
Messrs. J. E. Crawford, Rm. 3641
T. H. Kiilsgaard, Rm. 5222
J. O. Hosted, Rm. 3210, GSA
Code 700

8/22/55 gh

RIMINI ROUTE ,HELENA MONTANA ,AUGUST 19....55

THE DEFENCE MINERALS EXPLORATION ADMINISTRATION.
DEPARTMENT OF THE INTERIOR
WASHINGTON 25 D.C.

RECEIVED
AUG 22 1955

DOCKET DMEA_ 3610
URANIUM.
JACK STANLEY HAMPTON.

GENTLEMEN.....

QUITE A WHILE BACK I APPLIED FOR AN EXPLORATION LOAN FOR THE DANIAL STANTON MINE AT RIMINI MONTANA.
THE SUGGESTION WAS MADE TO ME THIS SPRING THAT I START THE WORK THERE.
I HAD ALREADY OPENED UP ABOUT ONE HUNDRED FEET OF THE DRIFT....I WENT THRU THE WORST PART.....I ALSO BUILT A ROAD INTO THE MINE.
THE DRIFT STILL HAS QUITE A BIT OF SLIME AND MUD IN IT,I HAD TO STOP THIS WORK BECAUSE THE CITY OF HELENA HAS ITS WATER SHED ABOVE AND I COULDENT TAKE THE CHANCE OF MAYBE POISENING THE PEOPLE IN THE CITY.
THIS YEAR HAS BEEN EXCEPTIONALLY WET AND THIS MINE CANT BE SAFTLY STARTED AGAIN TILL THIS FALL.
BUT THIS MINE CAN BE SAMPLED AND THERE IS SOME URANIUM ORE THAT IS GOOD ENOUGH TO SHIP. I DONT KNOW HOW MUCH THERE IS.....BUT IT IS A VERY GOOD PROSPECT. I AM A PROSPECTOR AND MINER,I DO NOT HAVE ANY INCOME EXCEPT THAT WHICH I GAIN BY MY OWN EFFORTS,AND NOT BEING A PROMOTER I SPEND ONLY MY OWN MONEY.....WELL I HAVE SPENT A LITTLE OVER TWO THOUSAND D DOLLARS,WHICH WAS AS MUCH AS I INTENDED TO SPEND AT THAT TIME. I DID THIS WORK IN THE WINTER,THE ONLY TIME THAT THE SLIMES FROM THE MINE DID NO T CONTAMINATE THE CITY WATER. I WUOLD LIKE TO CONTINUE THIS WORK THIS WINTE R HOW ABOUT GIVING ME A LITTLE HELP ON CLEANING UP THE REST OF THE DRIFT AND I WOULD ALSO WANT TO CHANGE THE WORK PROGRAM THAT I HAD LINED OUT.

VERY SINCERELY YOURS

Jack Hampton

Copy

RIMINI ROUTE,HELENA MONTANA. AUGUST 19.....55

DOCKET D M E A 56ID.
URANIUM.

J S Hampton
Lewis & Clark Co montana.

MR DARRELL PINCKNEY.....

YOUR LETTER RECEIVED, I BELIVE THAT YOU MISUNDER-
ERSTOOD MY MEANING,I SAID THAT I WOULD HAVE THE TUNNEL SO THAT YOU COULD GET IN THE MINE. I COULDENT TAKE A CHANCE ON TRYING TO MUCK ANY MORE AT THAT TIME ON ACCOUNT OF THE CITY WATER.
I LET OUT THE SLIME AND MUD AS MUCH AS I DARED TO,BUT THERE IS STILL PLENTY IN THERE YET. I MUCKED OUT ALONG THE FOOT AND PUT IN A PIPE TO KEEP THE WATER FROM BACKING UP AGAIN, AND BY GOING OVER THE TOP OF THAT CAVE AND KEEPING ALONG THE FOOT THE MUD IS ONLY ABOUT SIX INCHES DEEP.
BUT AS I TOLD YOU THEN,AND IT STILL GOES....DONT TRY TO CLIM THAT RAISE.
THE WATER HAS SLOWED DOWN A LITTLE BIT BUT THERE IS STILL ROCKS AND MUCK COMING DOWN.
BY THE WAY I NOTICE THAT YOU MENTION LEAD AND ZINC ON MY APPLICATION.
AS YOU KNOW ,I CANT SELL A COMPLEX ORE AND GET PAID FOR ALL THE VALUES IF I SELL TO THE EAST HELENA SMELTER....I NOT ONLY LOOSE THE ZINC BUT I GET PENELIXED ON IT.....AND WHEN THE A C M IS BUYING ORE THEY WONT PAY FOR THE LEAD....SO THAT DONT MAKE MUCH SENCE.....I SAID IN MY APPLICATION THAT WE WOULD BE TO DEEP FOR LEAD,AND THE ZINC IS VALUESS.
THAT MUST BE BARDELLS IDEA,HE IS THE MAN THAT SET DOWN IN HELENA IN A HOTEL AND SAID TO ME AND I QUOTE.....I DONT BELIVE THAT THERE IS ANY URANIUM ORE IN RIMINI.....END OF QUOTE. THOSE KIND OF REMARKS ARE THE TROUBLE WITH RIMINI TODAY MADE BY PEOPLE THAT I DOUBT EVER PRODUCED A SINGLE POUND OF ORE ON THIER OWN.
MYSELF,I AM ONLY A PROSPECTOR,I CANT SEE INTO THE GROUND,I CAN ONLY FORM AN OPINION,SOME TIMES I AM WRONG ,BUT I HAVE SHIPPED A LOT OF ORE FROM THIS DISTRICT AND WHILE I DONT EVER EXPECT TO BE RICH....I GET BY.
NOW AS TO THE STANTON,I HAVE SPENT A LITTLE OVER TWO THOUSAND DOLLARS OF MY OWN....TO GET IT WHERE I COULD GET IN AND SEE WHERE THE URANIUM ORE WAS COMING FROM AND TO SEE IF THERE WAS ANY THING LEFT....THE URANIUM ORE DID NOT LAY WITH THE LEAD....SO IT IS STILL THERE,HOW MUCH I DONT KNOW, BUT THE ORE IS NOT CONTINUES,IT SEEMS TO LAY IN SMALL LENZES IT IS ONLY A PROSPECT ANY WAY DARRELL.....BUT IT IS GOOD ENOUGH FOR ME TO GO ON WITH,IT MAY GET BETTER OR IT MAY GO OUT ALTOGATHER....I WONT KNOW TILL I CAN DO THE WORK.....I AM SURE OF THIS ...THERE IS URANIUM ORE HERE, I HAVE FOUND TO MANY PLACES THAT WILL SAMPLE,NOT TO BE HERE.
YOU CAN COME OVER ANY TIME THAT YOU WANT, I WILL BE AT THE EVERGREEN MOST LIKELY. YOU CAN SEND THIS LETTER TO MR WEISSENBORN IF YOU CARE TO....I THINK THAT I WILL ASSO SEND A COPY TO THE D M E A IN WASHINGTON IF I CAN FIND THE ADDRESS.....DO WHAT EVER YOU THINK IS RIGHT ABOUT THE STANTON,AND I GUESS THAT NO ONE WILL BE HURT TOO MUCH ANYWAY.

VERY SINCERELY

Jack Hampton

6/28/55-gla

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

June 24, 1955

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

Re: Docket No. DMEA-3610 (uranium-lead-zinc)
Jack Stanley Hampton
Daniel Stanton Lode
Lewis and Clark County, Montana

Dear Mr. Selfridge:

Reference is made to previous correspondence on this docket and, particularly, to our letter of June 2, 1955.

We have contacted Mr. Darrell Pinckney, who is now handling this application, and he reports that although the portal of the lower adit on the property was opened up, the whole level is not yet accessible for mapping, and it will be three or four weeks before a report and plan can be submitted. He reports, however, that there is some good radioactivity in the workings.

Sincerely yours,

John S. Vhay

John S. Vhay
For: A. E. Weissenborn
Executive Officer, DMEA
Field Team, Region I
Northwest District

cc: USBM(2)
Pinckney

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

RECEIVED
JUN 27 1955

June 24, 1955

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

Re: Docket No. [illegible] A-3810 (uranium-lead-zinc)
Jack Stanley Hampton
Daniel Stanton Cole
Lewis and Clark County, Montana

Dear Mr. Selfridge:

Reference is made to previous correspondence on this docket and, particularly, to our letter of June 2, 1955.

We have contacted Mr. Darrell Pinckney, who is now handling this application, and he reports that although the portal of the lower adit on the property was opened up, the whole level is not yet accessible for mapping, and it will be three or four weeks before a report and plan can be submitted. He reports, however, that there is some good radioactivity in the workings.

Sincerely yours,

John S. Thay
For: A. L. Weissenborn
Executive Officer, DMEA
Field Team, Region 1
Northwest District

cc: GSDM(2)
Pinckney

700

6-3-55

MAY 3 1 1955

DEPARTMENT OF THE INTERIOR

OSA

[illegible](01) Revolving Fund,
[illegible] Promotion Act (Interior)
(Allocation covering Fund to the Office
of the Secretary)

File: [illegible]

A. [illegible]
EXECUTIVE OFFICER
[illegible] PLAN, REGION I, [illegible]
SUITE 157 [illegible] STREET
[illegible]

Reference Fund from [illegible] 3610 [illegible]

[illegible] OFFERED AT THE [illegible] AND [illegible] FOR [illegible]

[illegible]

George C. Selfridge

George C. Selfridge, Chairman
Operating Committee

FLKnouse:am
5-31-55
cc to: Operating Committee
Admin. Reading File
Docket
Messrs. J. L. Crawford, Rm. 3641
T. H. Killingsord, Rm. 5224
J. O. Howted, Rm. 3210, OSA
Code 700
Mr. Knouse
Confirmation to Region I, MW Dist(1)

6/7/55 gla

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

RECEIVED
JUN - 7 1955

June 2, 1955

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

Re: Docket No. DMEA-3610 (uranium-lead-zinc)
Jack Stanley Hampton
Daniel Stanton Lode
Lewis and Clark County, Montana

Dear Mr. Selfridge:

On receipt of your teletype of May 31, 1955, requesting us to find out whether Hampton would be willing to open the lower adit of the Daniel Stanton property at his own expense, we contacted George Becraft of the Geological Survey. None of our DMEA personnel are in the area, but Mr. Becraft had gone to Helena only a few days ago on Survey project business. Mr. Becraft was requested to contact Hampton, which he did.

He reports that Hampton, instead of waiting for a DMEA contract to be processed, had gone ahead on his own initiative and has just completed opening the lower adit sufficiently so that entrance can be gained. Hampton reports that there is good uranium mineralization near the portal of the tunnel. He also reports that the old maps are in error--somebody, subsequent to the time these maps were made, has advanced the lower adit about 300 feet to a point under the ore shoot, which the maps showed at the end of the upper adit (see longitudinal section of the Daniel Stanton mine accompanying the Field Team report). As we understand it, this ore, which was the objective of the DMEA exploration, has been stoped out to the upper adit.

We are arranging for an immediate examination and mapping of the property in order to see what should be done. It is obvious, of course, that the original plan cannot be followed. However, if the showing of uranium in the lower adit is sufficiently good, this

might indicate that some other exploration might be done. An examination will be scheduled within the next few days, depending on when we can contact our field men who are not far from the area.

By Field Team, Region I, NW District

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

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

cc: USBM(2)
Becraft

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

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Department of the Interior
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A. E. Weissenborn, Exec. Officer
(U. S, Geological Survey)

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

cc: USBM(2)
Becraft

6/1/55 glr

RECEIVED
JUN 1 0 12 PM '55
FEDERAL COMMUNICATIONS COMMISSION

RECEIVED
JUN - 1 1955

DNXXXXX-045K

YWA086 WAF SP S I- GC-G

POKANE WN 6-1-55 935A

GEORGE C SELFRIDGE CHAIR. OPR. COMM DNEA DEPT OF INTERIOR

WA

RE EXCHANGE OF TELETYPE'S MAY 31, DNEA 3610 JACK STANLEY HAMPTON. LOWER ADIT HAS BEEN OPENED SUFFICIENT FOR EXAMINATION. HOLD ACTION ON APPLICATION UNTIL WE ARRANGE EXAMINATION. LETTER FOLLOWS.

A E WEISSENBORN

31 3610

MAN 938A

5/31/55-gh

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUN-1 1955

RECEIVED
MAY 32 6 51 AM '55

AMMMMMMM-145K

AMMMMMMM-146K

AMMMMMMM-147K

AMMMMMMM-148K

XDMMMMXX-149K

YUA217 WAF 3P 36 I-GS-G

SPOKANE WASH 5-31-55 445P

GEORGE C. SELFRIDGE, CHAIRMAN OPERATING COMMITTEE, DMEA, DEPT OF THE INTERIOR

WA

REURTEL MAY 31, DMEA3610, JACK STANLEY HAMPTON. ~~FEILDMAN~~ FIELDMAN ATTEMPTING TO CONTACT HAMPTON. WILL INFORM YOU AS SOON AS POSSIBLE.

A E WEISSENBORN, REGION I, SP

31 DMEA3610

EKC 447P

Surname 700

F.L. Knouse
Ellis
Selfridge

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

MAY 3 1 1955

DEPARTMENT OF THE INTERIOR

DMEA

14X1401(01) Revolving Fund,
Defense Production Act (Interior)
(Allocated Working Fund to the Office
of the Secretary)

TELETYPE

A. L. WEISSENBORN
EXECUTIVE OFFICER
DMEA FIELD TEAM, REGION I, NORTHWEST DISTRICT
SOUTH 157 HOWARD STREET
SPOKANE 4, WASHINGTON

REFERENCE FIELD TEAM REPORT DMEA 3610 JACK STANLEY HAMPTON. WOULD OPERATOR AT HIS EXPENSE MAKE LOWER ADIT ACCESSIBLE FOR SAMPLING BY FIELD TEAM ENGINEERS. ADVISE BY TELETYPE.

George C. Selfridge (HB)

George C. Selfridge, Chairman
Operating Committee

FLKnouse:am
5-31-55
cc to: Operating Committee
Admin. Reading File
Docket
Messrs. J. E. Crawford, Rm. 3641
T. H. Kiilsgaard, Rm. 5224
J. O. Hosted, Rm. 3210, GSA
Code 700
Mr. Knouse
Confirmation to Region I, NW Dist(1)

R.C.L.

5/18/55 gla

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

Air Mail

May 12, 1955

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

Re: Docket No. DMEA-3610 (uranium-lead-zinc)
Jack Stanley Hampton
Daniel Stanton Lode
Lewis and Clark County, Montana

Dear Mr. Selfridge:

With reference to your teletype of May 11, 1955, we are enclosing herewith 9 copies of a claim map on which has been plotted the upper and lower adits on the Daniel Stanton vein with reference to the boundaries of the claim. To the northeast the vein disappears under overburden and we do not know how far it persists. Therefore we do not know where it passes out of the end if indeed it goes this far. To the southwest the vein also is obscured by overburden but according to company maps in our possession there is a vein which passes out of the claim boundaries near the northwest corner of the claim. As this is on the opposite side of a dike we do not know whether or not this is the Daniel Stanton vein. The location of this vein, another vein known as the Election vein and of the dike are shown on the attached map. These data are taken from a map which has been made by the Anaconda Copper Mining Company. Because the map that we are submitting evidently will be made part of the contract we have not placed the Anaconda Copper Mining Company's name on the map. The Company is willing for us to use the information but would prefer not to have us publicly reveal the source.

The answer to your other questions regarding supervisor's salary, wage and equipment rental rates is supplied in the attached memorandum from John D. Bardill, Engineer, U. S. Bureau of Mines.

By Field Team, Region I, NW District

A. E. Weissenborn

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

Wing G. Agnew

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

Enclosures
cc: USBM (2)
Pinckney

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Mines Church Administration
RECEIVED
MAY 18 1955

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

Air Mail

May 12, 1955

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

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The answer to your other questions regarding supervisor's salary, wage and equipment rental rates is supplied in the attached memorandum from John D. Bardill, Engineer, U. S. Bureau of Mines.

By Field Team, Region I, NW District

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

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

Enclosures
cc: USBM (2)
Pinckney

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

Air Mail

May 12, 1955

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

Re: Docket No. DMEA-3610 (uranium-lead-zinc)
Jack Stanley Rampton
Daniel Stanton Lode
Lewis and Clark County, Montana

Dear Mr. Selfridge:

With reference to your teletype of May 11, 1955, we are enclosing herewith 9 copies of a claim map on which has been plotted the upper and lower adits on the Daniel Stanton vein with reference to the boundaries of the claim. To the northeast the vein disappears under overburden and we do not know how far it persists. Therefore we do not know where it passes out of the end if indeed it goes this far. To the southwest the vein also is obscured by overburden but according to company maps in our possession there is a vein which passes out of the claim boundaries near the northwest corner of the claim. As this is on the opposite side of a dike we do not know whether or not this is the Daniel Stanton vein. The location of this vein, another vein known as the Election vein and of the dike are shown on the attached map. These data are taken from a map which has been made by the Anaconda Copper Mining Company. Because the map that we are submitting evidently will be made part of the contract we have not placed the Anaconda Copper Mining Company's name on the map. The Company is willing for us to use the information but would prefer not to have us publicly reveal the source.

The answer to your other questions regarding supervisor's salary, wage and equipment rental rates is supplied in the attached memorandum from John D. Bardill, Engineer, U. S. Bureau of Mines.

By Field Team, Region I, NW District

A. L. Meissenborn, Executive Officer
U. S. Geological Survey

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

Enclosures
cc: USBM (2)
Pinckney

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

~~WASHINGTON 25, D.C.~~
c/o 157 Howard Street
Spokane 4, Washington

Air Mail

May 12, 1953

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

Re: Docket No. DMEA-3610 (Uranium-lead-zinc)
Jack Stanley Hampton
Daniel Stanton Lode
Lewis and Clark County, Montana

Dear Mr. Selfridge:

With reference to your teletype of May 11, 1953, we are enclosing herewith 5 copies of a claim map on which has been plotted the upper and lower adits on the Daniel Stanton vein with reference to the boundaries of the claim. To the northeast the vein disappears under overburden and we do not know how far it persists. Therefore we do not know where it passes out of the end if indeed it goes this far. To the southwest the vein also is obscured by overburden but according to company maps in our possession there is a vein which passes out of the claim boundaries near the northwest corner of the claim. As this is on the opposite side of a dike we do not know whether or not this is the Daniel Stanton vein. The location of this vein, another vein known as the Election vein and of the dike are shown on the attached map. These data are taken from a map which has been made by the Anaconda Copper Mining Company. Because the map that we are submitting evidently will be made part of the contract we have not placed the Anaconda Copper Mining Company's name on the map. The Company is willing for us to use the information but would prefer not to have us publicly reveal the source.

The answer to your other questions regarding supervisor's salary, wage and equipment rental rates is supplied in the attached memorandum from John D. Burdill, Engineer, U. S. Bureau of Mines.

By Field Team, Region 2, Mt District

[illegible] L. Weissenborn, Executive Officer
U. S. Geological Survey

King G. [illegible], Member
U. S. Bureau of Mines

Enclosures
cc: USBM (2)
Pinckney

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

~~WASHINGTON 25, D.C.~~
1201 N. Division St.
Spokane 2, Washington
May 12, 1955

MEMORANDUM

To: DMEA Field Team, Region I, NW District

From: John D. Bardill, Bureau of Mines

Subject: Docket No. DMEA 3610 (uranium-lead-zinc), Jack Stanley Hampton, Daniel Stanton Lode, Lewis and Clark County, Montana

The following information is submitted in reply to the teletype message dated May 11, 1955, to A. E. Weissenborn, requesting supervisor's salary, wage scale, and equipment rental rates relative to the captioned DMEA application.

The prevailing wage rate is $15.00 per day for miners on a 5 day per week basis and $15.00 x 1.083 per day for a 6 day week. Applicant intends to work as a supervising miner, so that a daily wage of $17.00 should be a reasonable compensation.

The 1950 edition of Compilation of Rental Rates for Construction Equipment prepared by Associated Equipment Distributors suggests $290.00 per month rental for portable air compressors of 160 c.f.m. capacity and $73.50 for drifters. Mucking machines are not quoted.

The following rental rates are suggested as being fair for several major equipment items which the applicant owns and intends to use on the job.

I-R portable air compressor, 160 c.f.m.	$150.00/mo.
Eimco mucking machine	150.00 "
Drifter	50.00 "
FWD truck	25.00 "
	$375.00 "

Assuming three months are required to drive the 250 feet of drift, the rental rate per foot of drift would approximate $4.50.

John D. Bardill

John D. Bardill

Orig. & 3 cys - Wash.
USGS (2)
DMEA
AD
JDB/he

xxxxxxxxxxxxxxxxxx

1201 N. Division St.
Spokane 2, Washington
May 12, 1955

MEMORANDUM

To: DMEA Field Team, Region I, NW District

From: John D. Bardill, Bureau of Mines

Subject: Docket No. DMEA 3610 (uranium-lead-zinc), Jack Stanley Hampton, Daniel Stanton Lode, Lewis and Clark County, Montana

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Orig. & 3 cys - Wash.
USGS (2)
DMEA
AD
JDB/he

John D. Bardill

xxxxxxxxxxxxxxxxxx

1201 N. Division St.
Spokane 2, Washington
May 12, 1955

MEMORANDUM

To: DMEA Field Team, Region I, NW District

From: John D. Bardill, Bureau of Mines

Subject: Docket No. DMEA 3610 (uranium-lead-mine), Jack Stanley Hampton, Daniel Stanton Lode, Lewis and Clark County, Montana

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Sinco mucking machine	150.00 "
Drifter	50.00 "
FWD truck	25.00 "
	$375.00 "

Assuming three months are required to drive the 250 feet of drift, the rental rate per foot of drift would approximate $4.50.

Orig. & 3 cys - Wash.
USGS (2)
DMEA
AD
JDB/he

John D. Bardill

xxxxxxxxxxxxxxxxx

1201 N. Division St.
Spokane 2, Washington
May 12, 1955

MEMORANDUM

To: DMEA Field Team, Region I, NW District

From: John D. Bardill, Bureau of Mines

Subject: Docket No. DMEA 3610 (uranium-lead-zinc), Jack Stanley Hampton, Daniel Stanton Lode, Lewis and Clark County, Montana

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John D. Bardill

Orig. & 3 cys - Wash.
USGS (2)
DMEA
AD
JDB/he

700

Surname copy

F. L. Knouse
Ellis
Selfridge
Fjelman

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

MAY 11 1955

Department of the Interior

DMEA
14X4401(01) Revolving Fund, Defense Production Act, Interior
(Allocated Working Fund to the Office of the Secy.)

T E L E T Y P E

A. E. WEISSENBORN, EXECUTIVE OFFICER
DMEA FIELD TEAM, REGION I, NORTHWEST DISTRICT
SOUTH 157 HOWARD STREET
SPOKANE 4, WASHINGTON

REDOCKET DMEA-3610 JACK STANLEY HAMPTON KINDLY FURNISH

NINE COPIES CLAIM MAP SHOWING LOCATION OF ADIT PORTALS AND SURFACE

EXPOSURES OF VEIN WHERE IT CROSSES SIDE OR END LINES. BECAUSE

SPILING COSTS UNCERTAIN PROPOSED WORK WILL BE ON MAXIMUM ALLOWABLE
SUPERVISOR'S SALARY, WAGE SCALE,
BASIS THEREFORE FURNISH/~~SUPERVISION, XXXXXX~~, AND EQUIPMENT RENTAL RATES.

George C. Selfridge by F. E. J. (JB)
CHAIRMAN, OPERATING COMMITTEE

FLKnouse/gla
5-10-55
cc to: Admr.'s Reading File
Operating Committee
Docket
Messrs. J. E. Crawford, Rm. 3641
T. H. Kiilsgaard, Rm. 5224
J. O. Hosted, Rm. 3210, GSA
Code 700
Mr. Knouse
Confirmation to Region I, NW District

R.C.B.

5/9/55 gla

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

May 6, 1955

Memorandum

To: Ernest William Ellis, DMEA Member
Uranium Commodity Committee

From: Bureau of Mines Member
Uranium Commodity Committee

Subject: Report of Examination, DMEA Docket 3610, Jack Stanley Hampton, Daniel Stanton Lode, Lewis and Clark County, Montana

I have reviewed the Field Team report of examination of Jack Stanley Hampton, DMEA Docket 3610, Daniel Stanton Lode, Lewis and Clark County, Montana; and I have discussed it with Joseph O. Hosted, Washington representative of the Atomic Energy Commission.

We concur with the Field Team that the application for exploration assistance be approved. The cost of the exploration program described in the Field Team report of examination would be approximately $15,700.00, with Government participation at 75% of the total cost.

The report is being forwarded to the Chief, Division of Minerals, in accordance with the routing slip attached thereto.

John E. Crawford
John E. Crawford

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

May 6, 1955

Memorandum

To: Ernest William Ellis, DMEA Member
Uranium Commodity Committee

From: Bureau of Mines Member
Uranium Commodity Committee

Subject: Report of Examination, DMEA Docket 3610, Jack Stanley Hampton, Daniel Stanton Lode, Lewis and Clark County, Montana

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John E. Crawford

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

May 6, 1955

Memorandum

To: Ernest William Ellis, DMEA Member
Uranium Commodity Committee

From: Bureau of Mines Member
Uranium Commodity Committee

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The report is being forwarded to the Chief, Division of Minerals, in accordance with the routing slip attached thereto.

John E. Crawford

5/4/5-4gla

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

RECEIVED
APR 29 1955

April 26, 1955

Air Mail

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

Re: Docket DMEA-3610 (uranium-lead-zinc)
Jack Stanley Hampton
Daniel Stanton Lode
Lewis & Clark County, Montana

Dear Mr. Selfridge:

Attached are copies of a letter dated April 22, 1955, from E. E. Thurlow, Chief, Salt Lake Exploration Branch, Division of Raw Materials, U. S. Atomic Energy Commission, commenting on the project against which they had previously recommended. Mr. Thurlow, although not exactly enthusiastic about the uranium possibilities, sees no objection to setting up the project in the manner proposed inasmuch as it is not solely for uranium.

He points out that although the exploration of base-metal veins for uranium in Montana has not been too successful, there can always be a first time. It is the feeling of the Field Team that the property does warrant the relatively modest proposal that has been suggested. We do not consider the project important enough to recommend it over the AEC's objections, but since they have now withdrawn these objections, we recommend that the proposal previously presented by Becraft and Bardill be accepted.

By Field Team, Region I, NW District

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

Thomas E Howard
for Wing G. Agnew, Member
U. S. Bureau of Mines

Enclosure 1 (in quad.)
cc: AEC, SLC
AEC, Butte
USBM (2)
Becraft

UNITED STATES
ATOMIC ENERGY COMMISSION
DIVISION OF RAW MATERIALS
Salt Lake Exploration Branch

ADDRESS REPLY TO

U. S. Atomic Energy Commission
P. O. Box 2196
Salt Lake City, Utah

AND REFER TO

REFER TO	ACTION	NOTED	DATE
Jack Geo.			

SLEB:EET:af

April 22, 1955

Mr. A. E. Weissenborn
Administrative Geologist
U. S. Geological Survey
South 157 Howard Street
Spokane 4, Washington

Dear Al:

Thanks for your letter of April 19 concerning the application for DMEA assistance from Jack Hampton (Docket No. DMEA-3610). The addition of lead and zinc as a joint project with uranium changes the picture somewhat. We see no particular objection to setting up the project in this manner inasmuch as it is not solely for uranium. There can always be a first time on these base-metal deposits for a good show of uranium, but experience to date in Montana and elsewhere indicates that the odds are high.

I hope to see you in the near future.

Sincerely,

Ernie

Ernest E. Thurlow, Chief
Salt Lake Exploration Branch
Division of Raw Materials

cc: L. D. Jarrard

DMEA

RECEIVED
APR 25 1955
U. S. G. S.
SPOKANE, WASH.

5/2/55 gla

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

April 19, 1955

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

Re: Docket No. DMEA-3610 (uranium-lead-zinc)
Jack Stanley Hampton
Daniel Stanton Lode
Lewis & Clark County, Montana

Dear Mr. Selfridge:

In reply to your inquiry of February 8, 1955, concerning the status of the above-cited docket, we are enclosing a report by George E. Becraft, Geological Survey, recommending approval of the application, together with a memorandum from Mr. John D. Bardill of the Bureau of Mines discussing the costs.

The Atomic Energy Commission does not favor the project as you will note from the attached memorandum dated January 18, 1955, from Leonard D. Jarrard, Chief of the Butte Sub-Office of the Salt Lake Exploration Branch, and concurred in by E. E. Thurlow, Chief of the Salt Lake Exploration Branch, Division of Raw Materials of the AEC. We wish to point out, however, that much more information is available since the Atomic Energy Commission geologists visited the property. We are sending the AEC a copy of Becraft's report and are asking them to reconsider their opinion in the light of the data therein presented. The Field Team is inclined to believe that the small project proposed by Becraft and Bardill, involving $9,812.50 participation on the part of the Government, is justified, but we prefer to defer making a specific recommendation until the AEC has considered Becraft's memo and has replied to our letter (copies enclosed).

Reviewed by
DMEA OPERATING COMMITTEE
4/29/55
(date)

By Field Team, Region I, NW District

A. E. Weissenborn

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

Wing G. Agnew

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

Enclosures
cc: AEC, SLC
AEC, Butte
USBM (2)
Becraft

DMEA

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
APR 25 1955

UNITED STATES
Department of the Interior
Defense Minerals Exploration Administration
So. 157 Howard Street
Spokane 4, Washington

April 18, 1955

Memorandum

To: DMEA Field Team, Region I, Northwest District

From: George E. Becraft, Geologist, U. S. Geological Survey

Subject: DMEA application examination report, Docket No. DMEA-3610 (uranium, lead, zinc), Daniel Stanton mine, Lewis and Clark County, Montana

Applicant

J. S. HAMPTON
Rimini Route
Helena, Montana

Recommendations

It is recommended that the application for an exploration contract on the Daniel Stanton mine, submitted by J. S. Hampton, Rimini Route, Helena, Montana, be favorably considered. It is also recommended that the contract be granted for exploration for lead-zinc as well as uranium because of the lead and zinc content of the ore previously shipped from the property.

Introduction

During the 1953 field season, the writer and D. M. Pinckney, Geological Survey, mapped the area around the Daniel Stanton mine in conjunction with the detailed mapping of the Boulder batholith. Pinckney detected radioactivity on the dump of the mine and one sample was collected for uranium analysis. Additional investigations of the mines in the area were made in 1954. On October 14, 1954, the writer visited the Daniel Stanton mine accompanied by Pinckney and J. S. Hampton, and a careful examination was made of the dump and many selected moderately to highly radioactive samples were collected from the dump of the lower adit.

Reviewed by
DMEA OPERATING COMMITTEE
4/29/55
(date)

Property and location

The Daniel Stanton mine is located on the patented Daniel Stanton Lode claim, Mineral Survey No. 398, Mineral Entry 201. It is in sec. 5, T. 8 N., R. 5 W., M.P.M., in Lewis and Clark County, Montana, about 1½ miles south of Rimini, Montana. A county road crosses the property and is passable most of the year except for a short time during the winter. The applicant has leased the property from the owner, A. T. Cooper, Helena, Montana. Copies of the lease are attached to the application, and A. T. Cooper signed an Owner's Consent to Lien agreement which was sent to Washington.

Geology

The rock underlying most of the area is quartz monzonite, the common rock type of the Boulder batholith. The geology and several of the mines in the district are described by Knopf (Ore deposits of the Helena mining region, Montana, U. S. Geol. Survey Bull. 527, pp. 80-85) and Pardee and Schrader (Metalliferous deposits of the greater Helena mining region, Montana, U. S. Geol. Survey Bull. 842, pp. 246-262).

The Daniel Stanton vein is similar to the many other veins in the Rimini mining district. It strikes about E-W, dips 75° to 80° S. and extends a considerable distance on each side of Ten Mile Creek. The exact nature of the vein cannot be determined at the present time because of the caved condition of the old workings. Old mine maps (see attached map) indicate the vein consists of several veinlets of quartz and sulfide minerals in intensely altered and sheared quartz monzonite. The individual veinlets range from less than 6 inches to as much as 4 feet in width. Ore and gangue minerals recognized on the dumps along the vein are light- to dark-gray quartz, tourmaline, chalcedony, arsenopyrite, pyrite, galena, and sphalerite. The radioactive material collected from the dump of the lower adit is probably finely disseminated pitchblende although this has not yet been definitely identified.

Several selected samples of vein material from the lower adit have been analyzed for uranium. Results of these samples are given below:

Sample No.	% eU	% U_3O_8
3PR 40	0.26	0.26
4DS 1	0.24	0.24
604A	0.37	0.33
605A	0.62	0.58
606A	0.39	0.36

These samples all contained varying amounts of chalcedony and sulfide minerals. In addition to these samples, many others with about the same amount of radioactivity as determined with a geiger counter have

been collected. Weak radioactivity has been detected on three dumps east of the lower adit of the Daniel Stanton mine.

Several shipments of ore have been made from the mine, but records of these shipments are not available to the writer. The attached maps show several stopes in the mine from which the shipments were apparently made. The applicant has submitted with his application a statement of the production from the mine, but the tonnage is not given. These records show a relatively high silver-lead content with minor amounts of zinc and gold.

Discussion of the applicant's proposal

The applicant proposes to reopen approximately 550 feet of drift, drift 250 feet on the vein to explore for the downward extension of an ore shoot indicated on old maps, and drive 100 feet of raise (see attached map).

The writer is in agreement with the proposed program and recommends that the project be set up in two stages. Stage I would include the rehabilitation of the adit and the 250 feet of drifting and Stage II would include the raising and be contingent upon Stage I. The location of the raising should be determined by the Field Team representative.

Field examination of the property indicates that the lower adit is probably caved for a distance of about 100 feet. The applicant states that he was in the adit before it caved, and he believes that beyond the first 100 feet the adit may be essentially open with only small caved areas. It seems advisable to reopen the old adit rather than drive a new adit off the vein because the mode of occurrence of the uranium-bearing material is not definitely known--although there is a close spatial relationship in dump specimens between the sulfide minerals and the uranium. It will be necessary to follow the vein as closely as possible in the old workings as well as in the drifting done during the exploration program in order to determine the mode of occurrence of the uranium and to determine whether or not any uranium ore bodies exist in the old workings.

Applicant's ability

Mr. Hampton has been mining for many years in the Boulder batholith area. He has been conducting his own mining operations for the past 10 years, principally in the Rimini district. He has worked in several mines near the Daniel Stanton, usually as a lessee, and has produced ore from several properties. The writer believes he is thoroughly competent to undertake the proposed work.

Conclusions

Many selected samples containing uranium of higher than ore grade have been collected from the dump of the lower adit of the Daniel Stanton mine, and three weak radioactivity anomalies have been detected east of this adit, probably on the same vein. The property has a record of production of lead, silver, zinc, and gold ore, and several stopes are indicated on old mine maps. The downward extension of one ore shoot on the upper adit level has apparently not been explored. Because of these reasons, the expenditure of the relatively small amount to rehabilitate the lower adit, drift 250 feet, and possibly raise 100 feet to explore for uranium, lead, and zinc seems warranted to the writer.

Attachments - 2

Distribution:
DMEA (4)
USBM (2)
USGS (SRO)
AEC (2)
Docket
Becraft
Pinckney

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

1201 N. Division St.
Spokane 2, Washington
February 18, 1955

MEMORANDUM

To: DMEA Field Team, Region I

From: John D. Bardill, Bureau of Mines, Region I

Subject: Cost analysis, Docket No. DMEA 3610 (lead-zinc-uranium), J. S. Hampton, Daniel Stanton mine, Lewis and Clark County, Montana

This application was discussed with Mr. Hampton at Helena, Montana, on January 10, 1955, including cost estimates.

The proposed work will consist of reopening and rehabilitating 550 feet of the lower adit and drifting 250 feet on the vein as Stage I. About 50 feet at the portal is believed to be caved and will require spiling. If the results of this work are favorable, and if the Government approves, Stage II will be undertaken and will consist of 100 feet of raise or raises. The estimated cost of this lead-zinc-uranium project is $15,700.00 of which the Government participation at 62½ percent will be $9,812.50.

The work will be performed on an agreed unit cost basis.

The following unit costs were agreed upon and seem reasonable and are recommended.

Estimated costs

	Drifting	Spiling
Labor	$10.00/ft.	$12.50/ft.
Supervision	2.00	2.00
Insurance and taxes - 10%	1.20	1.45
Explosives	3.15	--
Ventube	1.00	1.00
Pipe and accessories	1.50	1.50
Misc. tools	0.25	0.25
Repairs	0.70	0.70
Equipment rental	4.50	4.50
Oil and fuel	1.30	1.10
Misc. supplies	1.35	1.30
Bits and steel	1.40	--
Rails, ties, spikes, etc.	1.45	1.45
Timber	--	2.50
Total	$29.80	$30.25

Reviewed by
DMEA [illegible] COMMITTEE
4/29/55

Rehabilitation: (no timbering)

Pipe and fittings	$1.50/ft.
Rail, ties, spikes, etc.	1.45
Ventube	1.00
Labor	1.05
	$5.00

Sample assays

Gold, silver, lead and zinc	3.50
Uranium	3.50
Cost per sample	$7.00

The cost of standard 5'x7' timbering has been well established at approximately $5.00 per foot.

The applicant, though not technically trained, is an experienced miner and has been making a living as a leaser for years. He is well equipped with compressor, mucking machine, truck, drills, etc. Applicant contracted the drifting and crosscutting at the Radon Research Corporation, Red Rock uranium project, last summer.

The following is suggested as an outline for a contract if this proposed program is favorably considered:

Description of the Work

The purpose of this work is to explore for lead, zinc and uranium at the Daniel Stanton mine.

The work shall be in two stages and consist of the following:

Stage I

1. Reopen and rehabilitate approximately 550 feet of the lower adit level. This work includes 50 feet of spiling and timbering an estimated 100 feet of caved ground near the portal, cleaning the entire adit, installing track, air and water lines, and vent pipe. The adit shall be not less than 5 feet by 7 feet in cross section in the clear of timber.

2. Drift not more than 250 feet on the vein to explore for the downward extension of an ore shoot indicated on old maps. The cross section shall be not less than 5 feet by 7 feet in the clear of timber. The drift shall be timbered as necessary.

4/29/5-5

Stage II

This work shall be undertaken only upon the approval of the Government and will be dependent upon the results of Stage I.

1. Raise not more than 100 feet at a site or sites mutually agreeable to the Operator and Government. The raise to be not less than 5 feet by 9 feet in rock section and timbered as necessary.

Agreed Unit Costs

Stage I

Not more than 550 feet of drift rehabilitation except where spiled - @ $5.00/ft. including air, water and ventilation pipe	$ 2,750.00
Not more than 100 feet of timbering @ $5.00/ft. except where spiled	500.00
Not more than 50 feet of spiling @ $30.00/ft. including timbering, air and water lines, track and vent pipe	1,500.00
50 sample assays for gold, silver, lead, zinc and uranium @ $7.00/sample	350.00
Professional engineering or geological consultant 2 days @ $50	100.00
Not more than 250 feet of drift @ $30.00/ft.	7,500.00
	$12,700.00

Stage II

100 feet of raise or raises @ $30.00/ft., not less than 5 feet by 9 feet in rock section and timbered where necessary	$ 3,000.00
Estimated total cost of the project	$15,700.00
Government participation @ 62½ percent	$ 9,812.50

Orig. & 3 cys - Wash.
USGS (2)
DMEA
Engr.

John D. Bardill

UNITED STATES
ATOMIC ENERGY COMMISSION
DIVISION OF RAW MATERIALS
Salt Lake Exploration Branch

USBm c.c

ADDRESS REPLY TO:

U. S. Atomic Energy Commission
P. O. Box 2196
Salt Lake City, Utah

AND REFER TO

SLEB:EET:af

January 28, 1955

DEPARTMENT OF
Defense Minerals
RECEIVED
APR 25 1955

Mr. A. E. Weissenborn
Administrative Geologist
U. S. Geological Survey
South 157 Howard Street
Spokane 4, Washington

DMEA

Dear Al:

As you will note from the attached memorandum from Jerry Jarrard, he does not consider the proposed exploration for uranium at the Danial Stanton property a worthwhile project for government participation.

I concur in this conclusion and cannot recommend government assistance based on our present knowledge of this type of uranium occurrence in the Boulder batholith.

We will be glad to discuss this proposal further if you feel that it is a project worthy of DMEA participation.

Sincerely yours,

Ernest E. Thurlow, Chief
Salt Lake Exploration Branch
Division of Raw Materials

Encl.
As above

cc: L. D. Jarrard, Butte

RECEIVED
JAN 31 1955
U.S.G.S.
SPOKANE, WASH.

Reviewed by
DMEA OPERATING COMMITTEE
4/29/55
(date)

Ernest E. Thurlow, Chief, Salt Lake
Exploration Branch, Salt Lake City

January 18, 1955

Leonard D. Jarrard, Chief, Butte Sub-Office,
Salt Lake Exploration Branch, Butte

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
APR 25 1955

DMEA APPLICATION (URANIUM), JACK STANLEY HAMPTON,
DANIAL STANTON PROPERTY, LEWIS & CLARK COUNTY, MONTANA

SYMBOL: SLEB:LDJ:mf

Reference is made to your memorandum of January 4, 1955 concerning Mr. Hampton's request for DMEA participation in opening up and exploration in the Danial Stanton mine.

Review of Preliminary Reconnaissance Report B-SEB-91 by K. C. Coryell and the recent U.S.G.S. publication TEI-469, indicates that both examinations agree in principle that the dumps and selected samples from these dumps exhibit radioactivity averaging about twice background, with the assumption that this material probably came from the ore shoot previously mined. Chemical assays did not indicate more than 0.03% U_3O_8. One isolated hand sample contained black veinlets of microcrystalline quartz assaying .26% U.

While I have no doubt that Mr. Hampton is sincere in his desire to explore the property and is therefore willing to spend the 25 percent required of his own resources, I do not think that the Danial Stanton would offer any greater possibilities for uranium production than have the several other properties of similar geologic nature, i.e., base metal type veins. There are several properties occurring in the Boulder batholith where it would be possible to obtain samples as good or better than those exhibited at the Danial Stanton and which have not been mined as extensively as has this property.

I cannot see where additional geologic knowledge would be gained by opening this mine and therefore fail to see why a DMEA loan should be granted for opening and exploration activities at the Danial Stanton.

Subject application is returned herewith, as requested.

Enclosure:
As above (1)

Surname 700
Murphy
Ellis
Selfridge
Fohmann
Mittenbergs

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

FEB 8 1955

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

Re: Docket No. [illegible]A-3610 (Uranium)
Jack Stanley Hampton
Daniel Stanton Lode
Lewis & Clark County, Montana

Dear Mr. Weissenborn:

We refer to your letter, dated December 15, 1954, in which you state that a Field Team report on the above-docketed application was being prepared.

Will you kindly advise this office regarding the progress of the subject report.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee (JHB)

APPROVED:

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

Thor H. Kiilsgaard
Member, Geological Survey (JHB)

FMurphy:am
2-7-55

cc to: Admr. Reading File
Operating Committee
Docket

Messrs. J. H. Crawford, Rm. 3641
T. H. Kiilsgaard, Rm. 5224
J. O. Hosted, Rm. 3210, GSA
Code 700
Mr. Murphy

R.C.S.

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

2-21-55
BN.

February 18, 1955

DEPARTMENT OF THE INTERIOR
Bureau of Mines Administration
RECEIVED
FEB 18 1955

Memorandum

To: Ernest William Ellis, DMEA Member
Uranium Commodity Committee, Room 4445

From: Bureau of Mines Member
Uranium Commodity Committee

Subject: DMEA Docket 3610, Jack Stanley Hampton,
Rimini Route, Helena, Montana

I have reviewed the application included in the subject docket and have discussed it with Joseph O. Hosted, representative of the Atomic Energy Commission.

It is recommended that the application be referred to the Field Team for investigation and report, and that the Field Team be requested to discuss the application with Ernest Thurlow, Atomic Energy Commission, Salt Lake City, Utah.

J. E. Crawford
J. E. Crawford

Attachment

Copy to: Branch of Rare and Precious Metals
Division of Minerals
J. O. Hosted (2)
J. E. Crawford

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

February 18, 1955

Memorandum

To: Ernest William Ellis, DMEA Member
Uranium Commodity Committee, Room 4445

From: Bureau of Mines Member
Uranium Commodity Committee

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Division of Minerals
J. O. Hosted (2)
J. E. Crawford

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

February 18, 1955

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Subject: DMEA Docket 3610, Hack Stanley Hampton,
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//

J. E. Crawford

Attachment

Copy to: Branch of Rare and Precious Metals
Division of Minerals
J. O. Hosted (2)
J. E. Crawford

12/28/54

Mr. Ellis:

You will note that Region II transmittal letter states this property was examined in October '54 and that they are preparing a report.

Mr. Crawford and Mr. Newcomb have both advised by telephone that they will hold their copies of the application until the FT report comes to them. They won't comment on the application alone.

If you want to get this file off your desk, please return it and I'll put it in the file pending receipt of the FT report.

gla

December 22, 1954

Memorandum

To: Executive Officer, DMEA Field Team, Region II

From: Chief, Operation's Control and Statistics Division

Subject: Assignment of Docket Number

There is listed below the assigned docket number to an application recently received from Region II.

DMEA-3610 Jack S. Hampton

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

December 22, 1954
Subject: DMEA-3610
Re: Exploration Assistance
Danial Stanton

Mr. Jack S. Hampton
Rimini Route
Helena, Montana

Dear Sir:

The receipt of your application dated October 27, 1954 for exploration assistance under the Defense Production Act of 1950, as amended, is hereby acknowledged.

Your application has been assigned Docket Number DMEA-3610 and referred to the Rare and Miscellaneous 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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

December 15, 1954

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

Re: DMEA application (uranium)
Jack Stanley Hampton
Danial Stanton
Lewis & Clark County, Montana

Dear Mr. Selfridge:

Enclosed are the following documents pertaining to the cited application:

1. Original and two copies of Form MF-103.

2. Four copies of Form MF-203.

3. One copy of a Lease dated October 9, 1954.

One copy of the application is being retained at this office.

The property was examined by George Becraft in October 1954 in connection with regular investigations being conducted by the Survey in the Boulder batholith area. Therefore, no further field examination will be necessary. A report is in preparation and it is probable that a favorable recommendation will be made.

Sincerely yours,

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

Enclosures
cc: USBM (2)
AEC (2)
Becraft

No. 157 Howard Street
Spokane 4, Washington

December 15, 1954

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

Re: DMEA application (uranium)
Jack Stanley Hampton
Daniel Stanton
Lewis & Clark County, Montana

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Sincerely yours,

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

Enclosures
cc: USBM (2)
AEC (2)
Becraft

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 28 1954
U. S. G. S.
SPOKANE, WASH.

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

Not to be filled in by applicant

Docket No. 3610
Metal or Mineral Uranium
Date Received
Estimated Cost $17,156
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: JACK STANLEY HAMPTON
J. S. Hampton, operator
Rimini Route
Helena Montana

(*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 Designated as Lot 38 by Survey General mineral entry 201 - Book 11 - page 61 & 62 Lewis & Clark County Court House Helena Montana - Survey no 130 - also 398. 2200 feet x 100 feet - Contains 5-5-1 Hundredth acres

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

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

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

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

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

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

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

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

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

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

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

.....

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

☐ Money ☑ Use of equipment owned by you ☑ Other supplies

Explain in detail on acompanying paper.

CERTIFICATION

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

Dated October 27, 1954

J. S. Hampton
(Applicant)

By .....

.....

.....

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

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

page 1

October 23 1954 ..Rimin Montana....The Danial Stanton mine.

Designated by the Sarvayer General as Lot ..38..mineral entry 20I..recorded in book I page 6I and 62..Lewis and Clark county court house Helena Montana..
Township 8...Range 5 ..west....Lies in the Tenmile mining destrict ..Lewis and Clark County...I8 miles No..west of Helena Montana....I6 milns from shipping point
There is very little timber on this claim ...having been burnt off about 30 years ago.....The veins of this destrict are mostly granite..banded with quartz and tal e Tourmaline.....the vein will often split...with out any apparent reason..going into the wall...as a rule they do not go far.....but I have seen places where they went a s much as 50 feet....I have operated here several yeard and the ores that I have mined have been deposited where numerous faulting has occured....they are normal faults and do not displace the ore or the walls.....but the Ore that I have found has been through open faults that have displaced the ore (vein) from a few inches to several feet ....the splits that run into the walls...give the appearance o somewhat of a strike fault...but this is not true...as the main structure continues on undisturbed.....The ores form in lenzes that vary in size...but the values remain consistant...in the order of Silver ...Lead and Gold....at times Lead will lead the Silver values...not often..but they do remain consistant in thier values
I have operated within a Few hundred feet of the Stanton for several years so what I say here will apply to the Stanton.....I have found several places here that a volum of it will react on the Gieger counter....but to isolate it the count is very weak.....What I have found on the Stanton dump...is definately U308 ore
There is no way that I can get an accuret record of the production of the Stanton, the American Smelting and Refining records are incomplete.....there was other shipments that was shipped eleswhere....some to the Old Timber Butte Mill at Butte Montana ooo ...and possibly others to England in the early days...I am enclosing some of the A.S.and R records.....other information is mearly heresay...and of no value to any one.....I have been in the tunnel which I want to open (Stanton) but I have never been into the old workings....I ask several of the old timers who have been in them....they dont remember to much about it....they do say that the vein is 4 to 6 feet wide and stands about 75 degrees...I run the vein out and it runs about the same as the side lines...which is ~~25~~ N.75 degrees E.
I have examined the Uranium ore from this mine very closely...it is in quartz it has a dull smokey appearance..as if blackened by a carbide light...
I belive it is Pitchblende.....this is not the ore that was mined for Lead and Silver....there is not enough Lead or Silver to mine for
I belive that it is close to the place where the Lead Silver was deposited
And I am Purty sure that it is stilll there ...I had one sample run a few days ago and I have another one in now...I will enclose them...also I am enclosing a trace map of the orggional plate of the Stanton mine....also a U S G S map showing some of the cross cut tunnels and also two of the major faults are shown
All the workings near the surface of the Stanton seemed to be badly caved.
The tunnel that I want to open seems to be down for a hundred feet and mabe 25 or 30 feet beyond that... however the vein will sluff and slab off..but it is granite and does not swell or take weight..the monzonite will run for a ways but it is not dangerous...this is not heavy ground ..and I know that I can open it
I probably wont make much time on the first I50 feet...but over the whole job I think that I have figgered it purty close and could have it open in a little over three month...I want to stay on the vein...because I belive it will pay off.
There would not be much chance of finding Lead and Silver as I belive that we would be under it.I operated the Bunker Hill mine the next claim south and while there w was some ore that deep it was heavy in arsnic and iron .
I have been mining since I924.mucker miner .shift boss mine foreman and doing contra c t mining..leasing.and operating my own out fit since I944..I am qualified to fillany mining job or supervise..Prospecting has been the bigest part of my life.

October 22....1954..Estimaten cost of reopening 550 feet of drift
The Danial Stanton mine.....

This mine has two tunnels and they are both caved the tunnel that I want to open is 550 feet long it has a raise, drove into the upper workings...where the Lead and Silver ore was mined.....I do not know enough about the upper workings to make a map of it I have been in the lower tunnel years ago the raise is about half way in I estimatedn the elevation of the lower tunnel 5650 feet this drift goes into a hill 700 feet above the lower tunnel it inclines approxmately 32 degree this mine lies in the Continental Devide of the Rockies. deep snows thru the late winter and spring However I have always managed to work most of the time.
I made atrip to the Colerado-Utah-Wyoming country and I saw how the ores layed, mostly on flat bedding planes . I enley saw one that was in a vein such as I have here that was at Maryvale Utah and it was a good one ...So I can truthfully say I belive that this mine will produce Uramium ore...Pitchblende.
Miners wages are....$15.00 a shift...payroll contrubtions ...per $1. as follows
S.S..2 cent.....unempheyment compansation...2.4 cent....State Compansation..3 cent
I own my equipment and there is no leins or mortgage...I owe no debts...
I am not a promoter...what I do is entirely on my own..we own our home at Rimini.

.....

	Value	use	allowance per month
I.R. compressor...160..cu ft	$2000.00		$125.00
Emico...Finley mucking machine	$1250.00		$100.00
F.W.D. truck	$800.00		$25.00
Air hose	$40.00	no ne	
mine car	$60.00	none	

Gaseline...20 cent gal...500.gal per month.....$100.00
Oil for mucker and compresser....10 gal month.....$10.00
Picks shovels hammer wrenches..and all mescelleaneous tools. $25.00 for job.
Air line..30 cent per ft..600 ft .....$180.00.....$10.00
mine track includeing spikes ..bolts and fish plates $280.....$10.00 ..600 ft
Bookiping.....per month.....$10.00
Compressor house.....$150.00
track ties.....10.cent ea.....500.....$50.00
safty stulls $1.00 ea 25.....$25.00
pole laggin..15cent ea...13 per set.....$1.95
Girts 75 cent ea ...2...per set.....$1.50
Caps ...$2.00 ea .....1...per set.....$2.00
Posts ....$2.25...ea .....2...per set.....$4.50
100...pounds of blasting powder..bulldozing.....$24.50
I estimate 43 sets of timber at least 8 sets will be used under the raises the rest will be used im the drift...timber prices are based on delivery at the mine
Total cost of timber...43 sets..25..stulls.....$452.85
cost to me for reopening 550 ft of drift...$3.and a few cent per ft..
Cost to the Goverment...reopening 550 ft of drift...per ft...$9.
My approxmate cost.....$1658.00
Approxmate cost to the Goverment.....$4950.00

$6608.00

October 23...1954...Danial Stanton mine.... seccond stage....

If after opening the tunnel...our findings of U308 ore justify any more work I would like to drive a drift ahead 250 feet that would put us under another possiable ore shoot...then picking out the most likely place I would like to drive two prospect raises...50 feet each.the place that I found on the surfave has quartz and monzonite in it with a little Lead.....But it does not count enough to sample.....but I think that with depth that it would prove out alright it is a good strong vein....and has a lot of possiablities.
I will furnish all the equipment and the supplies...in addition to the equipment that I have already listed I will be useing the following....

	Value	use allowance..per mont h
I .R tugger	$350.00	$15.00
I.R. 58...steper	$375.00	$30.00
6 sets of steper steel	$126.00..total for the job	
9 carbley..bits	$12.50 ea	" " " "
Swede bar and machine	$500.00	$30.00
6 peices of swede stell	$20.00 ea	total for the job
250.feet of air hose and oiler	$60.00	$5.00
water hose	$30.00	$5.00
250 feet of air line	$75.00	
250 feet of mine track	$125.00	
water tank	$30.00	
powder and fuse ....and blasting caps $3.00 ft...	$750.00	
Raise timber per set..$12..will use 16 sets.	$196.00	

I will furnish the above list but I do not have any ventilation it will cost $800.00...for 800 feet....I would like for the Goverment to pay 75%..me25%

Cost to the Goverment for ventilation...800 feet.....$600.00
Cost to me for ventilation.....800.feet.....$200.00
Cost to the Goverment ..250 feet of drift$18.75..per foot....$4687.50
Cost to me 250 feet of drift.....$6.25 per foot.....$1562.50
Cost of raise to the Goverment.100 feet..$26.25 per foot..$2625.00
Cost to me raise 100 feet..$8.75 per foot.....$875.00

Total cost to the Goverment for ventilation..raising and drifting....$7910.00
Total cost to me for ventilation...raising and drifting.....$2637.50

10547.50

also 25 samples—

October

October 24...1954...Production from the Danial Stanton Mine.
coppied from the files of the American Smelting and Refining Co
East Helena Montana.

year	Sx	Ag	Au	Pb	Zn	Silica	Fe	insol
1901	55.5		0.15	30.4	7.3	21.4	15	
Sx	29		0.28	21.1	3	39.6	11.8	
	34		0.28	16.9	5.2	41.4	12.7	
1902	28.2		0.34	28.7				
	30.4		0.44	30.5	13.8	16.4	7.9	
	26.3		0.16	11.9				
1903	21.6		0.18	30.5				
1904	23.4		0.36	24.5				
1905	19.8		0.24	16.3	8.3			
1917	41.5		0.5	55.6	11.5			
	10.9		0.14	10.1	25.2			
	50.6		012	59.2	11.5			
	12.3		0.6	13	19	38.9	7.	
	10.3		0.8	11	18	39.5	8.5	
1926	29.1		0.10	34.1	20.9		7.	

A. V. TRENT,
Owner-Manager

GOODALL BROTHERS

ASSAYERS AND METALLURGICAL CHEMISTS

46 SO. MAIN ST., HELENA, MONTANA

TEL. 628
P. O. BOX 537

Date Oct 23-1954

UMPIRE ASSAY..... CONTROL ASSAY..... HAND SAMPLE ✓

ASSAYED FOR: Jack Hampton

MARKS: Lewis Rock

Sample No.	DESCRIPTION	GOLD Ozs. Per Ton	SILVER Ozs. Per Ton	WET LEAD Per Cent	COPPER Per Cent	ZINC Per Cent	IRON Per Cent	INSOL. Per Cent	MgO Per Cent	Total Value Per Ton
1	10/19								0.24	
2	10/23								0.42	

Gold not deducted.....

Charges $ 1.00

GOODALL BROS.

By A. V. Trent

NPCo. C-1871

L E A S E

THIS LEASE, Made and entered into this 9th day of October, 1954, by and between A. T. COOPER, of Helena, Montana, hereinafter called the LESSOR, and J. S. HAMPTON of Rimini, Montana, hereinafter called the LESSEE:

W I T N E S S E T H :

I.

DESCRIPTION OF PROPERTY

The Lessor for and in consideration of the sum of One Dollars ($1.00) to him in hand paid by the Lessee, the receipt whereof is hereby acknowledged, and for and in consideration of the covenants and agreements of the Lessee hereinafter set forth, DOES HEREBY LEASE, LET AND DEMISE unto the Lessee, his heirs and assigns, all of the following described patented lode mining claim:

> The Daniel Stanton Lode, U.S. Survey No. 398, situated in Township Eight (8) North, Range Five (5) West, Lewis and Clark County, Montana, TOGETHER WITH all water rights, rights-of-way and easements appurtenant to said mining claim, if any, and the right to mine the ores therein and thereunder in accordance with the terms of this Lease.

II.

TERM OF LEASE

TO HAVE AND TO HOLD, unto the said Lessee, for the term of ten (10) years from the date hereof, SUBJECT, HOWEVER, to termination by forfeiture, cancellation or surrender within said term.

III.

POSSESSION AND CONTROL OF PROPERTY

The Lessor hereby gives and grants to the Lessee the right immediately to enter upon and take over the sole and exclusive possession and control of the property and the whole and every part thereof, and during the effective term of this lease the Lessee shall remain in the sole and exclusive possession and control thereof. The Lessee is also granted the right to investigate, measure, sample, examine, test, develop, work, mine, operate, use, manage and control said property;

to erect, construct, [illegible] and maintain such buildi[illegible]s, structures, machinery and equipment as may be required by the Lessee for the conduct of his mining and milling operations; and to mine, extract and remove from said property the ores and minerals contained therein and to treat, mill, ship, sell or otherwise dispose of the same and receive the full proceeds therefrom, subject to the terms and conditions hereinafter set forth.

IV. ENTRY--MANNER OF WORK, AND CONFORMITY WITH LAWS: The Lessee agrees to take immediate possession of the property and to proceed promptly with preparations necessary for the systematic exploration and development thereof. The Lessee further agrees to cause all explorations, development and mining work hereunder to be done in a careful and miner-like manner, and to conform in all respects to the general Mining Laws and regulations of (a) the State of Montana, and, also, (b) of the United States of America, as the same may be applicable to the mining, development and operation of patented lodes.

V. CONFORMITY TO GOVERNMENT REGULATIONS SPECIALLY APPLICABLE TO MINING AND SHIPPING OF ORES AND CONCENTRATES UNDER DEFENSE MINERALS EXPLORATION ADMINISTRATION PROGRAM: In particular, as respects the mining and shipping of ores and concentrates for recovery of minerals, metals, and substances now or hereafter defined as "eligible" under the Defense Minerals Exploration Administration Program (hereafter abbreviated DMEA), including, but not limited to, the following: (a) Chromium, copper and molybdenum, and, (b) Asbestos (chrysotile only), beryl, cobalt, columbium, manganese, mica (muscovite block and film only), nickel, platinum, tantalum, tungsten and uranium. LESSEE COVENANTS to comply with all lawful rules and regulations of the "Government", including under the "Government", the Atomic Energy Commission and the Defense Minerals Exploration Administration, of the United States of America. LESSOR and LESSEE BOTH AGREE, each with the other, to cooperate each with the other in such compliance, to the end that each shall promptly observe and comply with such requirements as are addressed to each in order for the Lessee to qualify under the DMEA Program.

VI. ROYALTIES: The Lessee shall pay to Lessor royalties on all ores, and on all concentrates of minerals and metals produced and sold from the leased premises as follows:

(A) ON NON-ELIGIBLE MINERALS AND METALS: On all minerals and metals not defined as "eligible" under said DMEA Program, i.e., on gold, silver, galena, lead and zinc, Ten Percentum (10%) of the "net mill returns" or "net smelter returns" as in this Article defined;

(B) ON "ELIGIBLE" MINERALS AND METALS: The Lessee shall pay to the Lessor royalties on all ores and concentrates of minerals and metals "eligible" under the DMEA Program, i.e., on (a) Chromium, copper and molybdenum; and, (b) Asbestos (chrysotile only), beryl, cobalt, columbium, manganese, mica (muscovite block and film only), nickel, platinum, tantalum, tungsten and uranium, AND, ALSO, on (c) all substances that may hereafter be classified as "eligible" under said DMEA Program, whether in the form of ores or concentrates, or otherwise, produced from the leased property and sold to or through the "Government" (i.e., the United States of America through the Atomic Energy Commission, or the Purchasing Division thereof, or such other agency of the United States as shall purchase the same, all of which, i.e., (a), (b) and (c) above, are herein referred to as "Defense Minerals Exploration Administration Program (DMEA) minerals and metals or substances), and all royalties under (B)(a), (b) and (c) shall be paid by ~~Lessor to Lessee~~ Lessee to Lessor upon a sliding scale of royalties as follows:

A.T.G. J.S.H.

(1) On all minerals and metals and substances eligible under DMEA of a value up to and including $100.00 per ton, Ten Percentum (10%) of the net mill, smelter or other refinery returns therefrom;

(2) On all minerals, metals and substances eligible under DMEA of a value in excess of $100.00 per ton and up to and including $150.00 per ton, Fifteen Percentum (15%) of the net mill, smelter or other refinery returns therefrom;

(3) On all minerals, metals and substances eligible under DMEA of a value in excess of $150.00 per ton, up to and including $200.00 per ton, Twenty Percentum (20%) of the net mill, smelter or other refinery returns therefrom, and subject to the proviso hereinafter set forth; and,

(4) On all minerals, metals and substances eligible under DMEA of a value in excess of $200.00 per ton, and upwards, Thirty Percentum of the

net mill, smelter or other refinery returns therefrom, and subject to the proviso hereinafter set forth.

DEFINITION OF "NET MILL RETURNS": The term "Net Mill Returns" shall be interpreted to mean the net amount received from the mill in payment for ores milled, less cost of transportation from the mine to the mill, and mill charges, and subject to the proviso hereinafter set forth;

DEFINITION OF "NET SMELTER RETURNS": The term "Net Smelter Returns" shall be interpreted to mean the net amount received from the smelter or other refinery in payment for direct smelting of ores and concentrates, less cost of transportation from the mine to the smelter, and smelter charges, and subject to the proviso hereinafter set forth;

PROVISO: PROVIDED, HOWEVER, that (a) net mill, smelter or other refinery returns from DMEA minerals, metals and substances, shall apply to the net amounts received by Lessee from the "Government" (the "Government" being the United States of America, its agencies or instrumentalities) in payment for DMEA minerals and metals and substances, and in payment for all metallic or chemical substances, whether ores or concentrates, in the category of Defense Metals Exploration Administration Program minerals, metals and substances, by it purchased or caused to be purchased after deduction of royalty payable by Lessee to the "Government" and by the "Government" withheld in settlements with the Lessee, under the Defense Metals Exploration Administration contract between Lessee and the "Government", and such royalties as the "Government" withholds shall be excluded from "the net amounts received by the Lessee" in the computation of royalties due Lessor from Lessee hereunder;

AND PROVIDED, FURTHER, that (b) moneys received by the Lessee from the "Government" by way of mine development allowances only (and not otherwise), shall not be subject to payment of royalties thereon by Lessee to Lessor, but royalties shall apply to all other moneys received by Lessee from the "Government", including the base price paid and all premiums paid by the "Government for minerals, metals and substances under the Defense Minerals Exploration Administration Program, except allowances for mine development.

LESSEE SHALL, as respects each and every shipment of ores and concentrates from the leased premises deliver by personal delivery to Lessor, or by U.S. mail, within one (1) day after receipt of the same by Lessee, a true and complete duplicate copy of all mill, smelter or refinery returns, and, also, in addition, a true and complete copy of all purchase and settlement statements received from every purchaser, including the "Government", showing and exhibiting, in detail the gross values of ores and/or concentrates, etc., in every shipment by whomsoever purchased, the base price paid, all premiums paid, and each deduction, by accurate description and specific amount from such gross values, all royalties paid the "Government" by Lessee, and all development allowances paid by the Government to Lessee; and Lessee shall also make like delivery to Lessor of all statements of results of assays, laboratory and any other analyses, and tests on any ores, concentrates and other substances produced from the property, and subjected to assay, analysis, or test of any character, and whether sold or unsold.

VII. PAYMENT OF TAXES: The Lessee shall pay, or the Lessee shall reimburse the Lessor if he has paid, for all taxes levied or assessed against any and all personal property, machinery or equipment placed upon the subject property, by the Lessee during the term of this Lease, promptly when said taxes are due and before they become delinquent. The Lessee shall be liable for and undertake to apy all license taxes, all production taxes, and all other taxes of every kind, character or description levied or imposed during the term of this Lease upon the ores, minerals, concentrates or products of ores produced, sold or otherwise disposed of by the Lessee, and all taxes levied against the Lessee as an employer of labor, all such taxes to be promptly paid when due and before delinquent; whether siad taxes be levied, imposed or assessed by (a) the United States of America, (b) the State of Montana, (c) the County of Lewis and Clark or (d) School Districts Number One and Number Seven of Lewis

and Clark County, or any other taxing jurisdiction.

VIII.

PROTECTION FROM LIENS AND DAMAGES

The Lessee shall keep said property and the whole and every part thereof free and clear of liens for labor done or work performed upon said property or materials furnished to him for the development or operation thereof under this Lease and while the same is in force and effect, and Lessee will save and keep harmless the Lessor from all costs, loss or damage which may arise by reason of injury to any persons employed by the Lessee in or upon said property or any part thereof, or which may arise by reason of injury to any persons, livestock or damage done to any other property as the result of any work or operations of the Lessee or of his possession and occupancy of the property.

IX.

POSTING NOTICES AND CONFORMITY WITH LAW

A. The Lessee shall post and keep posted written or printed notices in due form of law and in compliance with the requirements of the lien laws of the State of Montana, showing that the property is being worked by the Lessee under lease only and that the Lessor will not be subject to any lien whatever.

B. The Lessee shall observe and promptly comply with all local, county, state and federal laws, statutes, ordinances, rules, regulations, orders and requirements and those of any departments and bureaus of the federal, state and local governments with reference to said property, buildings thereon, and any labor performed thereon, or to any operations thereon; provided, however, that the Lessee shall have the right to contest the validity of any of the foregoing, taking all such steps as shall be reasonably required to protect the interests of the Lessor; and all expenses incurred or reserves set up in complying therewith shall be capital expenditures until the property is placed upon an operating basis and thereafter shall be charged to operations.

X.

FORCE MEJEURE

If the Lessee shall be delayed at any time during the period of this lease in keeping or performing any agreement on its part to be kept or performed according to the terms and provisions hereof, except the payment of royalties, profits and taxes, by any act or neglect of the Lessor or by strikes, lockouts, fire, unusual delay in transportation, orders of the Government, war, or a state of national emergency or by any duly constituted instrumentality of the Government, unavoidable casualties, or any causes beyond the control of the Lessee, such delay shall not be deemed a breach of this lease or a default on the part of the Lessee constituting a cause for forfeiture; and the Lessee agrees to use reasonable diligence to remove such causes of disability as may occur from time to time. The Lessee shall not be required to mine, mill or otherwise dispose of the products from said property during periods of financial crises when the metals produced are salable only at abnormally low prices.

It is expressly stipulated and agreed that the Lessee shall promptly notify the Lessor in writing of the commencment or termination of any such delays or suspensions of performance hereunder, and that the term of this lease shall be extended for a term equal to the period or periods thereof.

FORFEITURE CLAUSE

XI.

The failure of the Lessee to make or cause to be made any payment herein provided for, or to keep or perform any agreement on its part to be kept and performed according to the terms and provisions of this lease shall, at the election of the Lessor, and upon giving notice thereof to the Lessee, constitute a forfeiture of this lease; Provided, however, that in the event of a default on the part of the Lessee, and the election of the Lessor to terminate this Lease on account thereof, the Lessor shall give to the Lessee a written notice of its intention to declare a forfeiture of this lease and to terminate the same on account thereof, specifying the particular default or defaults relied upon by it. The Lessee shall have ninety (90) days after receipt of

such notice in which to cure such default or defaults, and if such default or defaults are fully cured, there shall be no forfeiture of this lease with respect to such default or defaults. No waiver of and no failure or neglect on the part of the Lessor to give notice of a default or defaults shall affect any subsequent default or impair the Lessor's rights resulting therefrom.

XII.

SURRENDER OF PROPERTY

Upon termination of this Lease either by (a) expiration of its term or (b) voluntary surrender on the part of the Lessee when permissible, or (c) by default as provided in Article XI foregoing, Lessee shall evidence such termination by recordable document, surrender possession of the property, pay all bills or other obligations incurred by him in connection therewith, and all royalties or profits due to the Lessor up to the date of such termination. In the event such termination shall occur, and provided the Lessee shall have discharged all obligations to the Lessor under this Lease at such time, the Lessee shall have the right to remove from the property, the equipment, materials and supplies placed thereon by him. Upon any termination of this Lease, voluntary or otherwise, the Lessee shall promptly deliver up the property to the Lessor in good order and condition, with all mine workings used by the Lessee during the period of ninety (90) days prior to the date of such termination (and not affected by Force Mejeure during that period) in condition suitable for continued operations, to the end that the Lessor may continue to operate the property if he so elects.

XIII.

NOTICES

Any notice provided for herein shall be sufficiently given if posted by registered mail addressed to the party entitled to receive the same as follows:

TO: A. T. COOPER,
P. O. Box 362,
Helena, Montana,

and,

TO: J. S. HAMPTON,
Rimini Route,
Helena, Montana.

XIV.

INUREMENT

This Lease and Agreement shall inure to the benefit of and be binding upon the successors and assigns of the parties hereto, and the Lessee may assign this lease only with the written consent of the Lessor first had and obtained, which consent, however, shall not be unreasonably withheld, provided, however, that the Lessee shall have the right to assign this Lease without the consent of the Lessor to a corporation, all or sixty-eight percentum (68%) of the outstanding capital stock of which shall at the time of assignment be owned by the Lessee, but notwithstanding said assignment, the Lessee shall remain primarily liable for performance hereof, by such corporation-assignee.

IN WITNESS WHEREOF the LESSOR and the LESSEE have hereunto subscribed their respective names, executing this Lease in three (3) counterparts, each of original and identical force and effect, as of the day and year first hereinabove written, which shall be the effective date of this lease, and each party hereto acknowledges receipt of a fully executed counterpart. This is Counterpart No._____.

A. T. Cooper
A. T. Cooper
LESSOR

J. S. Hampton
J. S. Hampton
LESSEE

MF-203
(Revised July 1, 1954)

OWNER'S CONSENT TO LIEN

WHEREAS, the undersigned, as owner, co-owner, lessor, or seller has an interest in certain property in the State of Montana, County of Lewis & Clarke, described as follows:1/

The Daniel Stanton Lode Survey 398, M.E. 201 Patent 2118 Lot 38 in Township Eight (8) North, Range Five (5) West

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

2/ J. S. Hampton

hereinafter called the "Operator"; and

WHEREAS, under the provisions of said contract the Government is entitled to a percentage royalty on production and to other rights and equities which do or may conflict with or be adverse to the rights of the undersigned:

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

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

2. To secure the payment to the Government of the percentage royalty on production3/ provided for under the terms of said exploration project contract or any amendment thereof there is hereby granted to the Government a lien upon the land above referred to and upon any production of minerals therefrom until said royalty is fully paid or ten years have elapsed from the date of the contract, whichever occurs first.

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

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

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

(OVER)

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

4. Changes and added provisions _____

_____

_____

_____

Dated this 19th day of October, 1954.

A. T. Cooper [Seal] (A bachelor)

_____ [Seal]

_____ [Seal]

MF-203
(Revised July 1, 1954)

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2/ J. S. Hampton

hereinafter called the "Operator"; and

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4. Changes and added provisions _____

_____

_____

_____

Dated this 19th day of October, 1954.

N. T. Cooper [Seal] (A bachelor)

_____ [Seal]

_____ [Seal]

MF-203
(Revised July 1, 1954)

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2/ J. S. Hampton

hereinafter called the "Operator"; and

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(OVER)

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4. Changes and added provisions _____

_____

_____

_____

Dated this 19th day of October, 1954.

W. T. Cooper [Seal] (A bachelor)

_____ [Seal]

_____ [Seal]

MF-203
(Revised July 1, 1954)

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2/ J. S. Hampton

hereinafter called the "Operator"; and

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

2. To secure the payment to the Government of the percentage royalty on production3/ provided for under the terms of said exploration project contract or any amendment thereof there is hereby granted to the Government a lien upon the land above referred to and upon any production of minerals therefrom until said royalty is fully paid or ten years have elapsed from the date of the contract, whichever occurs first.

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

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

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

(OVER)

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

4. Changes and added provisions _____

_____

_____

_____

Dated this 19th day of October, 1954.

A. T. Cooper [Seal] (A bachelor)

_____ [Seal]

_____ [Seal]

OFFICIAL BUSINESS

324 NEW CUSTOMHOUSE
DENVER 2, COLORADO

Registered Mail - Return Receipt Requested

Administrator (Attention Code 200)
Defense Minerals Exploration Administration
U.S. Dept. of the Interior
Interior Bldg.
Washington 25, D.C.

REGISTERED
RETURN RECEIPT

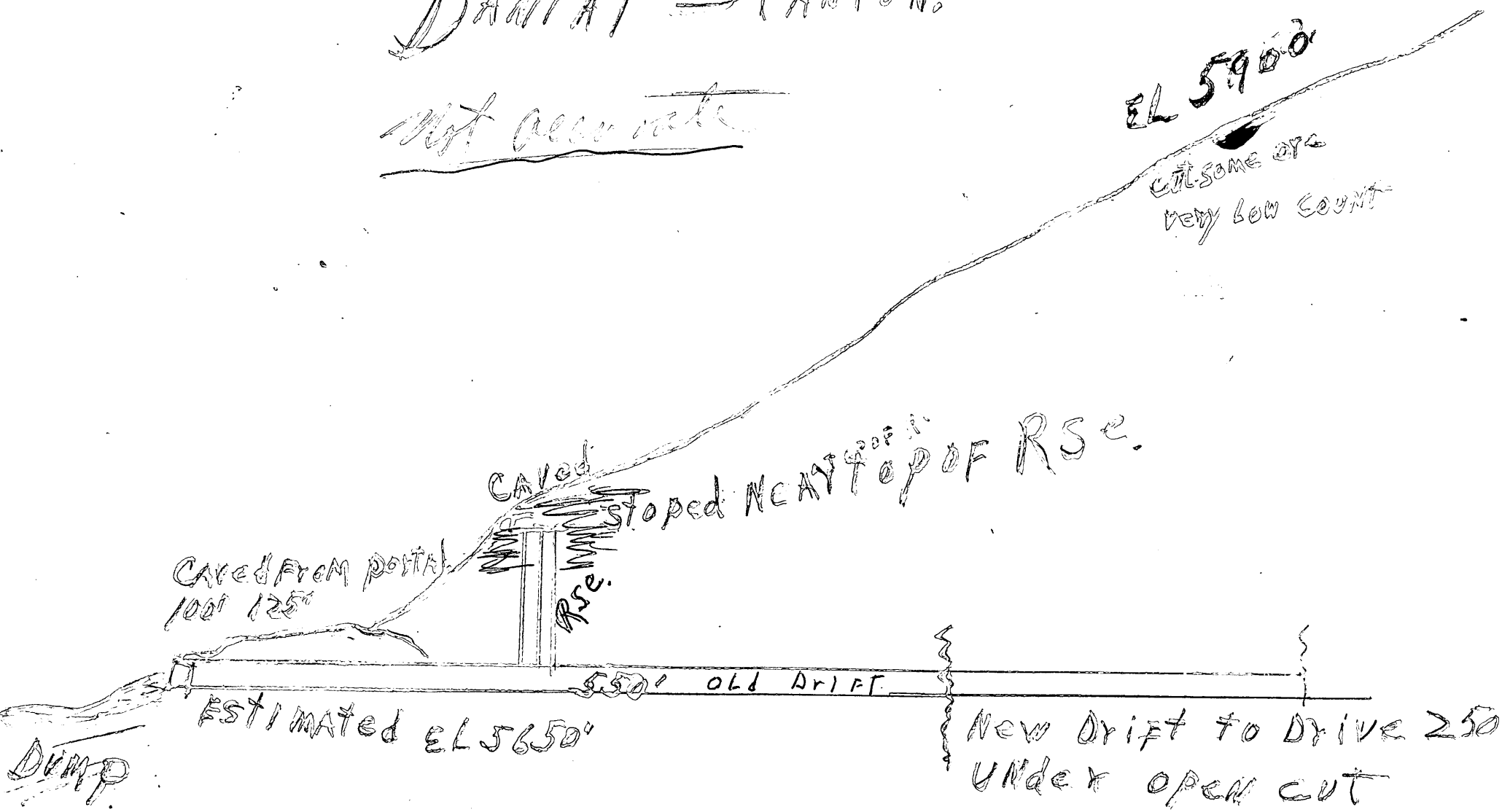
INTERIOR
DEC 16 1954
SECRETARY'S
MAIL CENTER

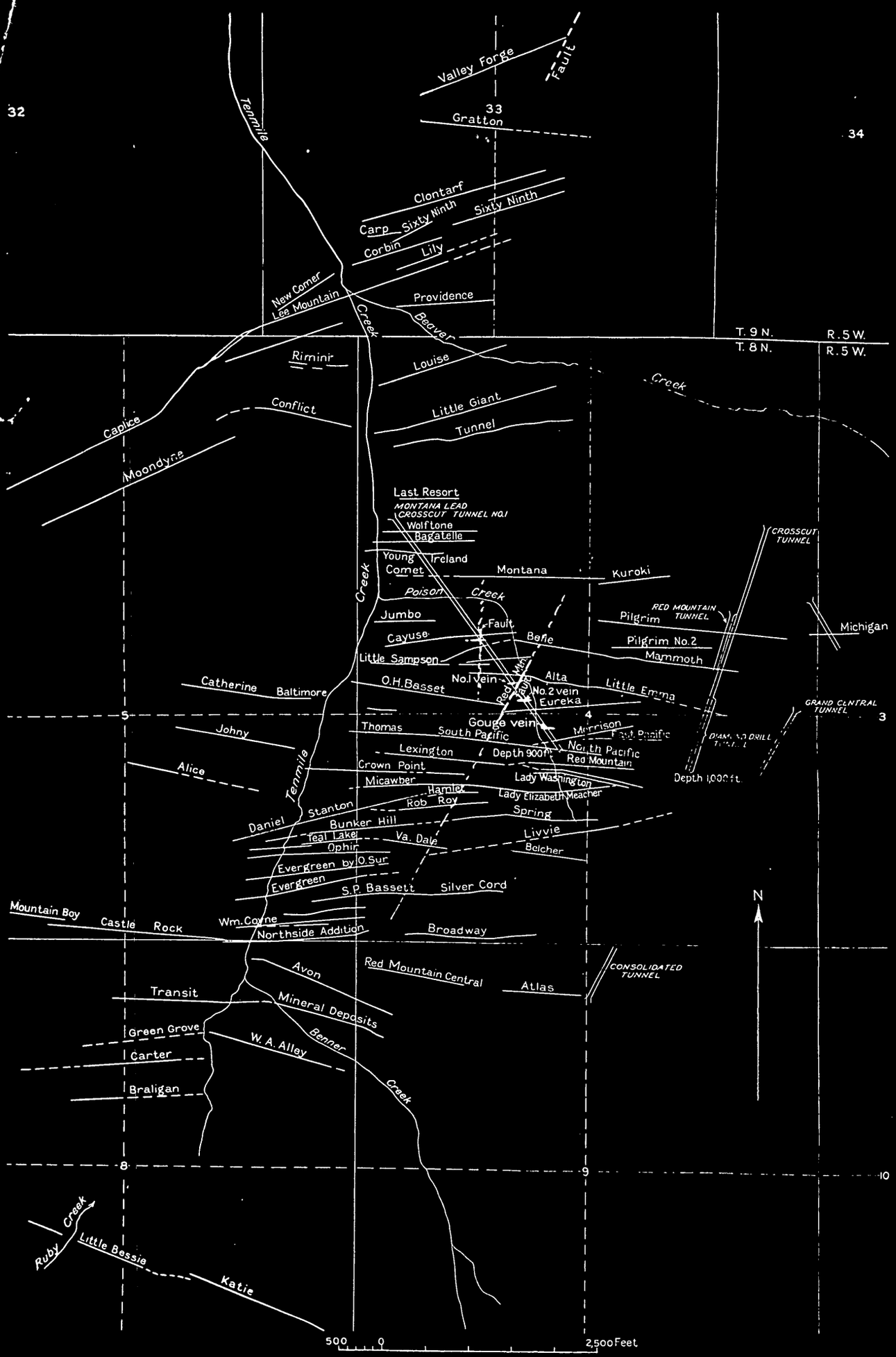
66386

I do not know enough about underground working to map them.

DANIAL STANTON.

not accurate





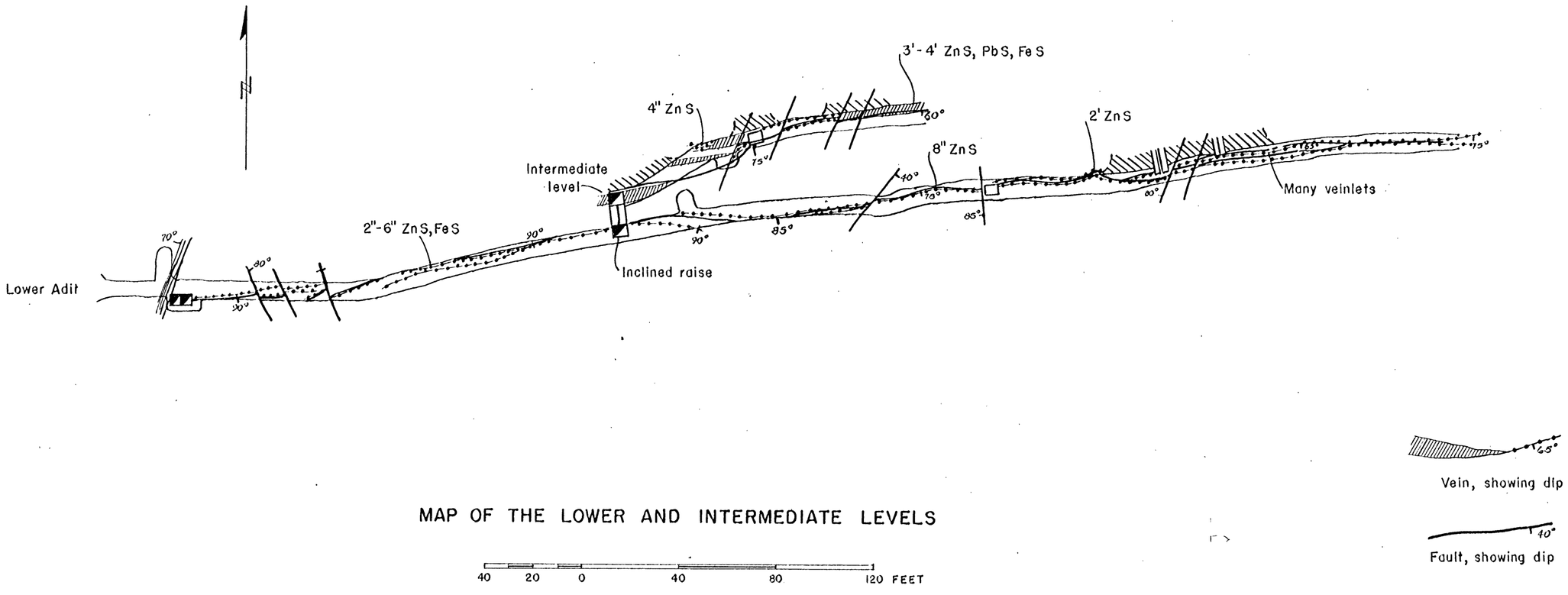
VEINS IN RIMINI DISTRICT

Adolph Knopf

U.S. G.S. Bull

527-

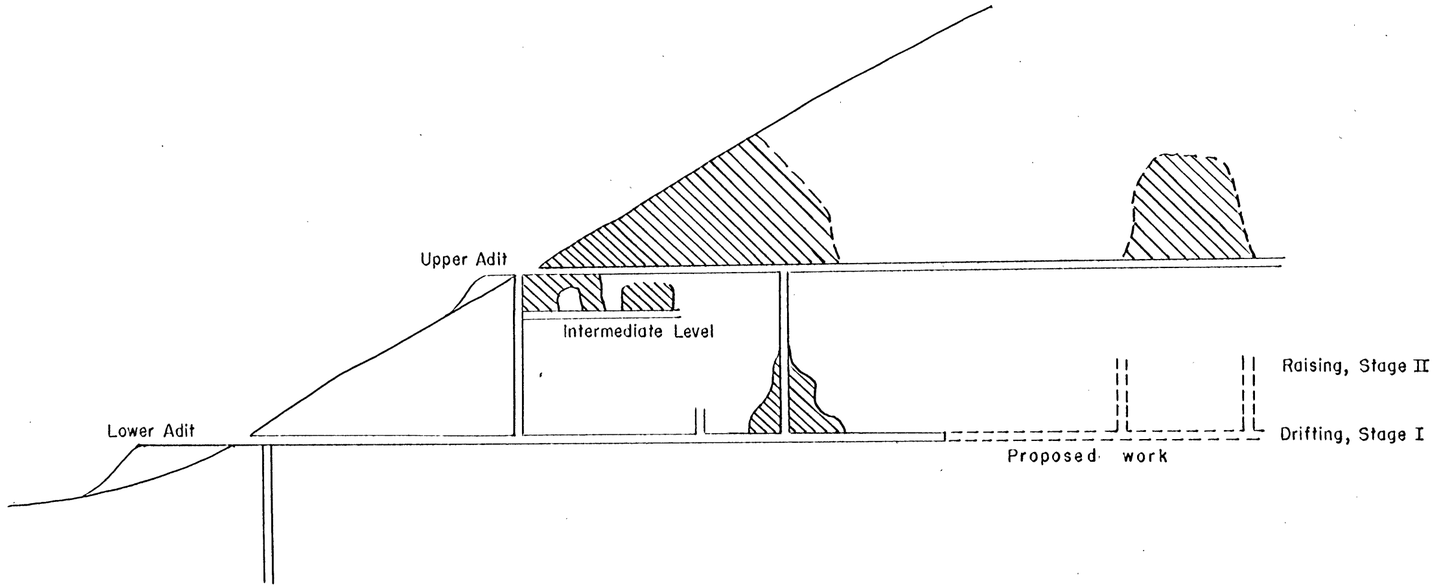
Date 1913



MAP OF THE LOWER AND INTERMEDIATE LEVELS

DANIEL STANTON MINE

Lewis and Clark County, Montana



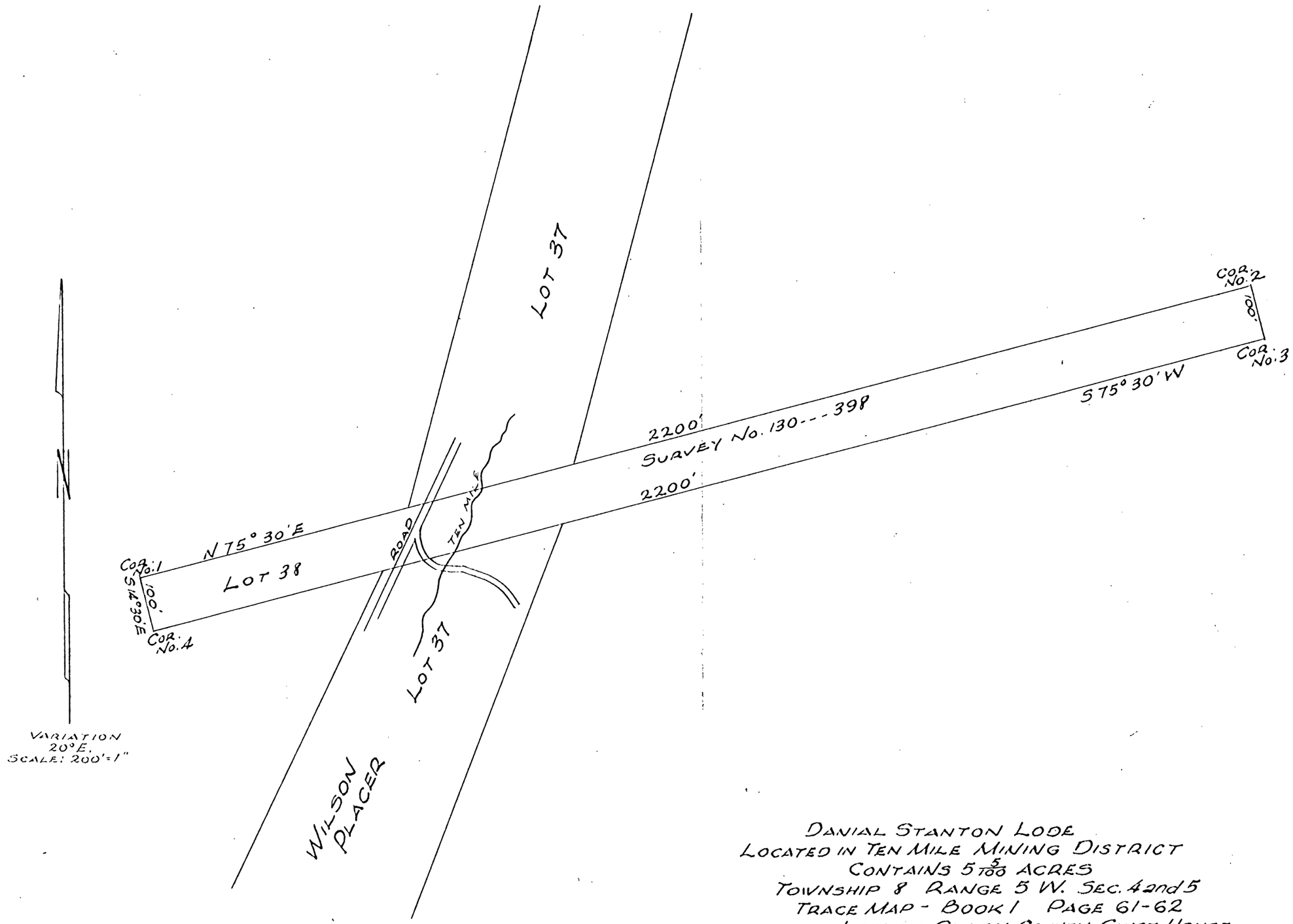
DANIEL STANTON MINE

Lewis and Clark County, Montana

LONGITUDINAL SECTION

(in the plane of the vein showing proposed work)

100 50 0 100 200 300 FEET

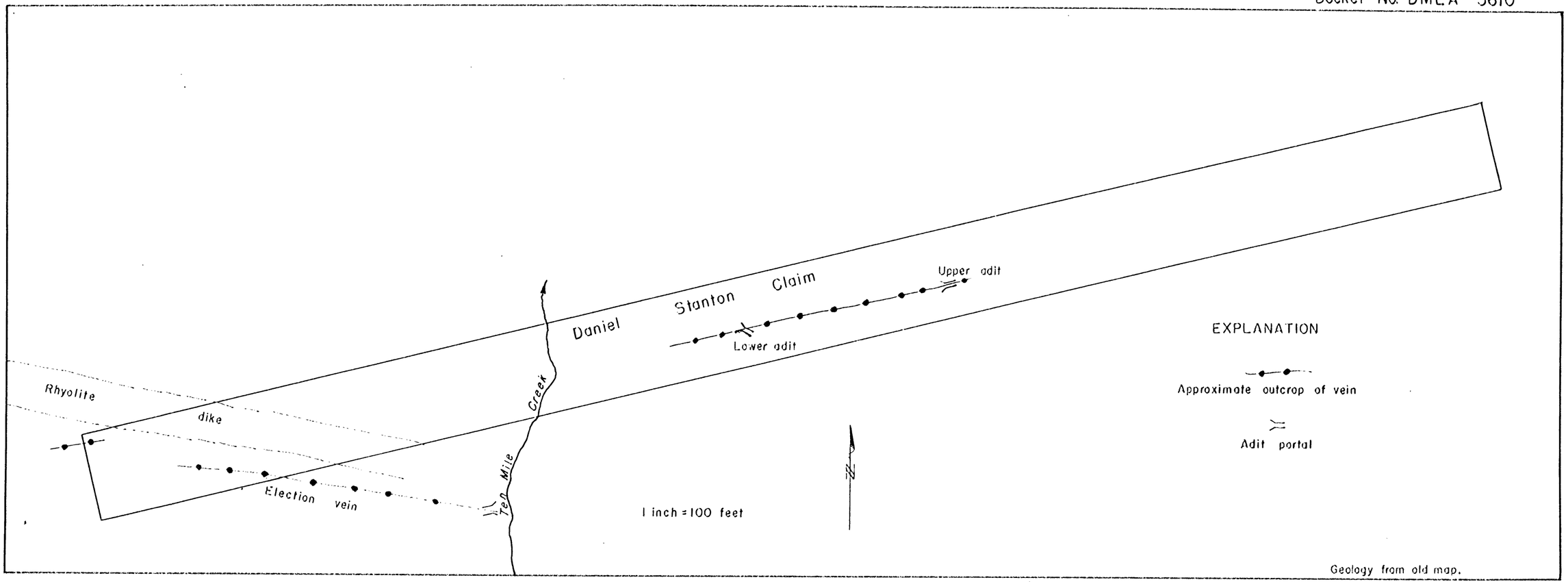


DANIAL STANTON LODE
LOCATED IN TEN MILE MINING DISTRICT
CONTAINS $5\frac{5}{100}$ ACRES
TOWNSHIP 8 RANGE 5 W. SEC. 4 and 5
TRACE MAP - BOOK 1 PAGE 61-62
LEWIS - CLARK COUNTY COURT HOUSE
HELENA, MONTANA

J. S. HAMPTON
OCT. 23, 1954

DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

Docket No. DMEA 3610



Daniel Stanton Claim Map

Lewis and Clark County, Montana