DMEA Form 9
Rev. 6/57

UNITED STATES
DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration

OFFICIAL DOCKET FILE Idm-E NO._____ DMEA NO. 4867

Application
- [x] Denied
- [ ] Withdrawn

Contract
- [ ] Terminated - Not Certified
- [ ] Terminated - Certified
- [ ] Cancelled
- [ ] Royalty Agreement

The records contained in this file are marked (x) and arranged in this order:

Folder No. 1:

50 %

Left Side

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

Right Side

- [x] Project summary (final)
- [ ] Work Comoleted analysis (final)

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

- [ ] Field Team Semi-Annual Report for Certified Project
- [ ] Final Field Team Report (Tab)
- [ ] Operator's Final Report (Tab)
- [ ] Interim Field Team Reports
- [ ] Operator's monthly reports and all attachments
- [ ] On-site Exam Report (Tab)
- [ ] Settlement Sheets
- [ ] Drill Logs

Additional Folders:

Left Side

Folders No._____: Reports

- [ ] Analysis of Semi-Annual Inspection Reports
- [ ] Project Summary (Interim) by DMEA Engineers

Right Side

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

Folders No._____: Maps (Use pocket folder or envelope)

Folders No._____: Settlement Sheets

Folders No._____: Drill Logs

Folders No._____: Royalty material

17963

MF-205
(Combines and supercedes MF-[illegible] and MF-203)
June 1956

For Government's Use Only
EXPLORATION PROJECT CONTRACT
Operator
Docket No. DMEA-
Contract No. Idm-E
Contract Date

DMEA RECEIVED NOV 4 1957 D.M.E.A.

CONSENT TO LIEN
and
SUBORDINATION AGREEMENT 1/

To the United States of America:

Referring to that certain land in the County of Lemhi, State of Idaho, described ~~as follows~~ 2/ In a lease, Dated June 1, 1957 and Recorded October 17, 1957, at 12 minutes past 8 o'clock A.M. in Book D of Leases, Pages 300-1-2 Records of Lemhi County, Idaho, official records of said County.

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

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

2. Grants to the Government a lien upon all of the undersigned's right, title, and interest in the land and upon any production of minerals therefrom, to secure the payment to the Government of a percentage royalty on production as may be provided for by the Contract;

3. Subordinates the undersigned's right, title, claim, or interest in or against the land and in any production therefrom to the rights of the Government under the contract with respect to royalty on production and liens to secure same;

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

NONE

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

2/ Either (a) insert the legal description of the land, or (b) strike out the words "as follows" and insert "in a lease [or contract, deed, or other document] dated June 1, 1957, and recorded in Book D, Pages 300-1-2, 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.

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

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

7. Added provision: _____ (State "None" or "See Annex No.____")

Dated this 16th day of October, 1957.

Ralph W Dean Ralph W. Dean	[Seal]	Gibbonsville Ida	[Address]
	[Seal]		[Address]
Charley C. mathis Charley C. Mathis	[Seal]	Gibbonsville Idaho	[Address]
	[Seal]		[Address]
	[Seal]		[Address]
	[Seal]		[Address]

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

_____

[Corporate Seal]

Subscribed and sworn to before me this 16th day of October A.D. 1957

Lena Heidt Notary Public for Idaho. Residing in Gibbonsville Idaho.

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

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DATE	INITIALS	CODE
11/6	ZZK	700

November 1, 1957

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

Re: Transmittal of Application (Uranium)
United Pacific Mining Corporation
Mathis-Dean Property
(The Surprise Mine)
Lemhi County, Idaho

Dear Mr. Selfridge:

Enclosed are three copies of an application for aid to explore for uranium at the Surprise mine in Lemhi County, Idaho.

The applicant proposes to explore the Surprise vein by diamond drilling 5 holes totaling 2,400 feet at an estimated total cost of $23,445.50, of which the Government's share would be 50 percent, or $11,722.75.

This is the same property explored under Contract Idm-E716, Docket No. DMEA-3460. The applicant believes (on the basis of one diamond drill hole and the advice of Mr. A. L. Anderson, Geologist) that the poor showings of uranium found in the Surprise drift will increase in depth. This belief is based on a radioactivity anomaly found near the bottom of a vertical diamond drill hole. No ore was recovered from the drill hole and no sludge sample was taken to indicate the importance of the anomaly. It appears that Mr. Anderson did not take into consideration a fault which the DMEA drift shows to cut off the crushed silicified zone in which the uranium occurs. A second diamond drill hole put down by the applicant at an angle cuts across the uranium-bearing zone, but again, no ore was recovered and no sludge samples were taken.

We wish we could agree with the applicant that the low anomaly in his vertical drill hole indicates an increase in uranium content of the vein in depth; however, in the face of the evidence found in the DMEA drift, which seemed to show that the uranium content decreased as the drift advanced deeper ~~cuts~~ into the hill, one would have to be very optimistic to believe that the uranium values will increase with depth.

As no core was recovered from the two holes drilled by the applicant and the Surprise tunnel has already been mapped and sampled as shown in the Field Team final report under Docket No. DMEA-3460, a field examination would not give us any additional data; therefore, we cannot recommend further consideration of this application unless the applicant can furnish more positive indication that the uranium content of the vein does increase with depth. If he cares to do this drilling on his own and is successful, we could then reconsider his application, but we cannot, in good conscience, recommend his present proposal.

By Field Team, Region I

A. E. Weissenborn

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

Thomas E Howard

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

Enclosures
cc: USBM(2)
Alvord

(Former Contract No. Idm-E716, Docket No. DMEA-3460 (Uranium), Bitterroot Uranium Corporation (Assignee of Wilhite & Seay)

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UNITED PACIFIC MINING CORPORATION
2675 WILLAMETTE STREET
EUGENE, OREGON
TELEPHONE DIAMOND 3-6634

October 28, 1957

Defense Minerals Exploration Administration
Department of Interior
Washington 25, D.C.

Gentlemen:

Herewith is an original application and 4 copies for aid in an exploration project, pursuant to DMEA Order #1 under the defense production act of 1950, as amended.

Each application comprises: (1) Completed, dated and signed application Form MF-103, revised February, 1957 with eight (8) attached sheets. (2) Seven maps or cross-sections of the mining claims which show location of previous work and proposed work to be completed. (3) One exact copy of our lease agreement. (4) Consent to Lien Form MF-205.

At your request we will furnish any additional information needed in compliance or otherwise with reference to this application. The company will provide personnel at any time should the Governmental Agencies desire our aid in the discussion of this application or the examination of the proposed project.

Very truly yours,

United Pacific Mining Corporation

Roy C. Barr

Roy C. Barr, President

RCB:ae

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OCT 31 1957
U. S. G. S.
SPOKANE, WASH

Form MF–103
Revised Feb. 1957

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Budget Bureau No. 42–R1035.3
Approval expires June 30, 1958

APPLICATION FOR AID IN AN EXPLORATION PROJECT

PURSUANT TO DMEA ORDER I, UNDER THE DEFENSE PRODUCTION ACT OF 1950, AS AMENDED

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

UNITED PACIFIC MINING CORPORATION
2675 Willamette Street
Eugene, Oregon

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SPOKANE, WASH.

APPLICANT NOT TO USE THIS BLOCK

Docket Number: DMEA-4867
Date Received: 11/4/57
Government Participation %:
Region: I
Division Code: 700

BUSINESS ORGANIZATION (Check one)

- Individual [ ]
- Corporation [X]
- Partnership [ ]
- Other (Specify) [ ]

State in which firm is organized: Oregon

LIST CORPORATE OFFICERS OR PARTNERS HERE, IF APPLICABLE

Name	Address	Title
Roy C. Barr	1815 Jackson St., Eugene	President
M. L. Gans	104 So. Pacific Hiway, Cottage Grove,	Vice-Pres.
Dr. Warren C. Glaede,	340 - 22nd St., Springfield	Treasurer
A. N. Einman	351 West 10th, Eugene	Ass't. Secretary

Mineral(s) for which you wish to explore: Primary & Secondary Uranium Minerals

Estimated Cost of Project: $ 23,445.50

LOCATION OF PROPERTY

Name	County	State
Mathis-Dean "The Surprise Mine	Lemhi,	Idaho

GENERAL INSTRUCTIONS

Before filling out this application, please read DMEA Order–I, Amended, "Government Aid in Defense Exploration Projects." To assure prompt action, your application must provide all applicable material and information specified on the back of this application form. Avoid unnecessary correspondence and delays by submitting complete and accurate information. *Please submit four copies of this application and all accompanying papers* except as otherwise noted. Place your name and address on each sheet. Each item of information, maps, and reports required as a part of this application is described on the back of this form. Identify each attached statement by the item number to which it applies. If an item does not apply to your application, show the item number on your statement and after it write "not applicable." Maps or sketches should be used to supplement narrative descriptions of the property location and boundaries in item 1, existing mine workings and geology in item 2, and the proposed exploration project in item 4. When this information is not too complex, all of it may be shown on one map or sketch. All documents and other attachments submitted as a part of this application, except those in item 2(g) which you mark to be returned, become the property of the Government and will not be returned to the applicant. Send true copies, *not originals*, of leases, contracts, and other documents which are an essential part of your business records. *File this application with the Defense Minerals Exploration Administration, Department of the Interior, Washington 25, D. C., or with the nearest DMEA Field Office.*

CERTIFICATION

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

October 28, 1957
Dated

Roy C. Barr
Roy C. Barr

BY (*Signature*) C.A. Everett
C.A. Everett

President *Title* Geologist

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

INFORMATION REQUIRED WITH THIS APPLICATION

1. *Applicant's Property Rights:*

(a) State the legal description (section, township, and range; metes and bounds; patent number of claims) of the land upon which you wish to explore and all land adjacent to the proposed project area which you own or control. Describe any part of the project land or workings which should not be subject to Government lien for royalty payments. If the land consists of unpatented claims, state the book and page number for each recorded location notice, including amended locations, and the place where recorded (courthouse, recorder's office, county, and state).

(b) State all the names by which you know the property.

(c) State your interest in the land, whether owner, lessee, purchaser under contract, or otherwise. If you are not the owner, submit with this application one exact copy of the lease, contract, or other document (with address of owner) under which you control the property.

(d) Describe all liens, mortgages, or other encumbrances on the property.

2. *Physical Description:*

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

(b) State your interest, if any, in operations stated in 2*(a)*.

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

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

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

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

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

3. *Accessibility of Project:*

(a) To aid DMEA representatives who may be required to examine the property, state the name and address of the person who will meet the DMEA representative; give directions for reaching the property; and describe accessibility of the property including the mine workings.

(b) Name the shipping and supply points and places where employees reside and state the distances between them and the property.

4. *The Exploration Project:*

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

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

(c) In the event that an exploration contract with DMEA is executed, how soon will the work start and how many months will be required to complete it? State your anticipated average daily or monthly rate of progress for each type of work.

5. *Experience:*

State your operating experience and background with relation to your ability to carry out this exploration project, and also that of the person or persons who will supervise the operations.

6. *Estimate of Costs:*

Furnish detailed estimates of the costs *for each item of the work proposed in 4(a)* under the headings listed below with a total for each heading and the estimated total cost of the project. Costs for any work to be performed by an independent contractor should be shown separately under category *(a)* below. Costs for any work that is not to be performed by an independent contractor should be given in detail under categories *(b)* through *(g)*.

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

(b) Personal services. For necessary supervision, engineering and geological services, and labor, include an itemized schedule of numbers, classes, rates of wages, salaries or fees, and periods of employment. State whether these technicians and employees are available.

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

(d) Operating equipment. List items of operating equipment to be used giving specifications and indicating how each item is to be acquired – i.e., rented, purchased, or provided by the applicant. If it is rented or purchased, state the estimated rental or purchase price. If it is to be furnished by the applicant, give its present fair market value.

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

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

(g) Miscellaneous. For the operating equipment listed in 6*(d)*, describe the type and estimate the cost of repairs and maintenance expected during project operations. Do not repeat initial repairs listed in 6*(e)*. Show also the costs of analytical work, accounting, workmen's compensation and employees' liability insurance, payroll taxes, and other required costs that do not fall within the previous categories.

Note – 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)* State whether you are prepared to furnish your share of the cost of the proposed project in accordance with the regulations on Government participation stated in Sec. 7 of DMEA Order–I, Amended.

(b) Explain to what extent you propose to furnish your share of the costs by providing money, by use of equipment owned by you, or otherwise.

* * * * *

INT.-DUP. SEC., WASH., D.C. 15539

United Pacific Mining Corporation
2675 Willamette Street
Eugene, Oregon

SUMMARY:

Presented in this submittal is a program for further investigating some of the uranium mineral occurrences adjacent to Granite Mountain in northern Lemhi County, Idaho.

Previous work includes many old and new prospect pits, one adit six hundred feet in brecciated quartz and secondary uranium minerals and several test holes. In one test hole significant radioactivity is found 300 feet from the surface and below adit level.

The drilling of five new and the deepening of one other holes are recommended. These are planned to intersect the mineralized dike at different depths from three locations. It is anticipated that the deeper holes may reach below the oxidation level and that mineralization will be more confined and sufficiently concentrated. Planned footage is 2400', and the total cost of the completed exploration program is estimated at $23,445.50.

On completion of this program the property will be quite well tested. Until this or a similar program is executed the potentialities of this uraniferously mineralized structure shall remain conjectural.

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DATE

United Pacific Mining Corporation
2675 Willamette Street
Eugene, Oregon

FORM MF - 103

1. Applicant's Property Rights:

   (a) The subject property consisting of 16 unpatented claims is situated in the Dahlonega Mining District, Lemhi County, Idaho, in sections 27 & 28, T 26 N, R 21 E - Boise Meridian. The location notices of these lode mining claims are recorded in the office of the County Recorder, Lemhi County, Idaho in Mining Claims Books 2 & 3, Pages 386 & 509, respectively. A claim location map is enclosed as figure 2.

   (b) Other names for the property are: "The Mathis-Dean Property" and "The Surprise Mine".

   (c) Our interest is that of Lessee of the property. Enclosed is one exact copy of the Lease arrangement as recorded in Mining Leases, Book D, Pages 300-1-2, official records Lemhi County, Idaho.

   (d) None.

2. Physical Description:

   (a) The property is situated about 2-1/2 miles west of Gibbonsville on the south side of Friedorf Gulch. The several shallow prospect pits on the property presumably indicate that the early day gold seekers surficially examined the area. In recent years upon examination of the property with radiation detection instruments, rather high anomalies were discovered. Subsequent excavations by dozer and other methods were made and a rather extensive but weakly mineralized structure was uncovered. In 1954 and 1955, interest in the area was accentuated and an adit was driven into this mineralized structure. Adit length is slightly over 800 feet; approximately 500 feet of this is in the mineralized zone. In addition about 240 feet of crosscuts have been driven. The crosscuts indicate that the width of mineralization is about 40 feet.

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United Pacific Mining Corporation
2675 Willamette Street
Eugene, Oregon

FORM MF - 103

2. Physical description: (Continued)

Two surface holes have been drilled near the portal. One of these holes was drilled to establish the position of the mineralized structure at depth. After learning the attitude of the mineralized feature, another hole was positioned to test the structure at considerable depth. It was hoped that the hole would penetrate the structure below the zone of oxidation. Unfortunately, none of the core or cuttings from this hole is radioactive, however, upon probing an abrupt indication of increased radiation was observed at 288 feet. Readings in M/R per hour on a Long Ranger machine are: .01 at 284 feet, .35 at 288 ft., and .43 at 295 feet; because of physical difficulties the hole was not probed to the total depth of 336 feet. A geologic map of the mine and a cross section of the holes are illustrated as figures 4 and 5 respectively.

(b) Our interest in the foregoing has been to reconnoiter the property to map the existing workings and to drill the two test holes.

(c) None.

(d) None.

(e) Please refer to figures 3, 4, and 5. Figure 3 is a rough topographic location map of the immediate area; figure 4 is a geologic map of the mine workings; figure 5 is a cross section of the two test holes. The rock in the area is argillaceous sandstone - quartzitic in part and presumably Belt Series. Perhaps more properly much of the rock could be called arenaceous phyllite. Mineralization is found in a brecciated quartz or quartzite feature of an approximate N 50 W trend. Minimum horizontal dimensions are forty by one thousand feet. Gray, sometimes hematitic clay seams delimit mineralization to the south. Over the limit of the exposure the dips reverse from 60° north to 72° south. These dips are found near the southeast limit of mineralization

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United Pacific Mining Corporation
2675 Willamette Street
Eugene, Oregon

FORM MF - 103

2. Physical description: (e Continued)

and near the mine portal, respectively. The ore minerals are believed to be: "Autunite, Torbernite and Zippeite".

(f) Although mineralization is found over a rather considerable width, the tenor is sub-commercial. From our studies of uranium mineralization, it is believed the tenor will increase sharply below the zone of oxidation. Similarly the mineralization may be considerably more confined.

(g) Figures 6 & 7 illustrate the five (5) proposed holes. The collars of these holes are located in plan on figure 3. None of these illustrations need be returned.

3. Accessibility of Project:

(a) The area may be readily reached by automobile. The location and routes of access are shown on figure 1. Our home office at Eugene, Oregon should be contacted should the Government personnel desire a guide to the property. Some of our personnel will be pleased to be at a time and place of your choosing for the purpose of examining the property.

(b) The shipping and supply point is Salmon, Idaho. The situation at Salmon is frequently unsatisfactory and materials and supplies must occasionally be obtained from as far as Salt Lake City, Utah. Some of our employees have resided at Salmon and at Gibbonsville and on the property. Gibbonsville and Salmon are 3 and 33 miles respectively from the property.

4. The Exploration Project:

(a) In the proposed exploration project, five (5) new holes will be drilled. These holes will prospect the mineralized structure at three different locations. The collars of the holes are plotted on figure 3. Cross sections of these holes are shown as figures 6 and 7. Total footage will be about 2400 feet. Of this, 125 feet will be drilled in the deepening of previously drilled hole #2. Prior

United Pacific Mining Corporation
2675 Willamette Street
Eugene, Oregon

FORM MF - 103

4. The Exploration Project: (a Continued)

to the deepening of hole #2 it will be surveyed for inclination. The surface areas under which the proposed holes will penetrate have the greatest concentrations of mineralization. The primary purpose of the shallower holes at the various locations is to learn the attitude of the mineralization structure. The deeper holes, of course, are planned with a view towards penetration below the zone of oxidation. Concurrent with the drilling, the general area will be examined more carefully. An additional sum is requested for the purpose of making dozer excavations.

(b) None.

(c) Should an exploration contract with DMEA be executed, work should start on or about the 1st of May, weather permitting. It is estimated that the work will be completed within four months. Estimated progress including minor breakdowns should average 25 feet per day. Most of the penetration will be by drilling rather than coring methods since Belt Series country rock will be encountered throughout most of the holes as planned.

5. Experience:

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Experience of the company and personnel within the company are ample to complete the work as outlined herein. During this past summer season, about 2000 feet were drilled and cored at 12 widely scattered locations. A Geologist within our organization has had rather broad drilling experience both surface and underground. Our driller and mining engineer also have considerable experience. Other people in our framework have the one season of experience.

6. Estimate of Costs:

(a) None.

United Pacific Mining Corporation
2675 Willamette Street
Eugene, Oregon

FORM MF - 103

6. Estimate of Costs: (Continued)

(b) A breakdown of our personal services is as follows: Field Engineer - $500.00 per month. Geological supervision - approximately $300.00 per month. Home office supervision - approximately $300.00 per month. Driller - $500.00 per month. Drillers helper - $350.00 per month. Drillers helper #2 - $350.00 per month. Cook - $300.00 per month. Personnel for these various jobs are either currently employed by the company or are readily available. Food and attendant supplies $300.00 a month.

Monthly Total - $2900.00

Total for 4 months - $ 11,600.00

(c) Operating (totally expendable) materials and supplies valued per unit item at less than $50.00 include:

ITEM	QUANTITY	UNIT COST	TOTAL COST
Lubrication - Oil	1 Gal. a day (100 days)	$1.00	$100.00
Fuel (Gasoline	55 Gals. a day "	.31	1705.00
Lubrication-greases	2 lbs. a day "	.50	100.00
Hydraulic fluid	2 qts. a day "	.50	100.00
Cement (Calseal)	10 sacks a hole	1.50	75.00
Aqua-gel	5 sacks a hole	1.50	37.50
Jell-flake or sub.	1 sack a hole	2.00	10.00
Casing - 3"	approx. 10 ft. of hole	1.50	75.00
Stillson wrenches	4	7.50	30.00
Other Hand tools			50.00
Pipe dope			10.00
Circulation hose high pressure 1"	3 - 50' hoses	1.50 a ft.	225.00

United Pacific Mining Corporation
2675 Willamette Street
Eugene, Oregon

FORM MF - 103

6. Estimate of Costs: (c Continued)

ITEM	QUANTITY	UNIT COST	TOTAL COST
Circulation hose high pressure 1-1/4"	2 - 25' hoses	2.00	100.00
Bits	20 each	45.00	900.00
Slips	1	45.00	45.00
Steel line 3/8"	100'		40.00
Chuck Jaws	4 each	9.50	38.00
TOTAL			$3,640.50

(d) Operating Equipment:

ITEM	QUANTITY	INITIAL COST	PRESENT VALUE	Amortization or Depreciation Value
Portable Drill	1	$8200.00	$5700.00	$1500.00
Le Roi Compressor	1		850.00	250.00
International Pickup	1	3500.00	2400.00	500.00
Jeep	1		600.00	200.00
Water Truck & Tank	1		350.00	100.00
Water Pump 1-3/4 x 3 with Wisconsin Engine	1	1050.00	700.00	200.00
Water Pump 4 x 6 to be purchased	1	2500.00	2500.00	1000.00
Small Compressor with Wisconsin 4-cyl motor	1	1530.00	1000.00	300.00
Safety Clamp	1 ea. "A"	147.00	100.00	40.00
Diamond Bits	5	125.00 ea.	625.00	500.00
Reaming Shells	3	50.00	150.00	115.00
Diamond Core Barrel	1	130.00	130.00	50.00
Diamond Core Barrel	2 ea.	250.00	150.00	100.00
Trailer cookhouse	1	1500.00	500.00	150.00

United Pacific Mining Corporation
2675 Willamette Street
Eugene, Oregon

FORM MF - 103

6. Estimate of Costs: (d Continued)

ITEM	QUANTITY	INITIAL COST	PRESENT VALUE	Amortization or Depreciation Value
Drill Pipe	350 ft.	735.00	600.00	300.00
Drill Pipe	1000 ft.	2100.00	2100.00	600.00
TOTAL			$18,455.00	$ 5,905.00

(e) Most all equipment currently held by the company needs only minor attention. However, a new motor will soon be needed for the drill rig and this installed will cost about $500.00.

(f) Making drill stations and exploratory dozing - 10 days @ $150.00 -- $1500.00

(g) A possible expense of considerable magnitude would be the loss of tools. Various and sundry breakdowns - estimate a minimum of fifteen with attendant trips to Salmon and cost of repairs at $20.00 each -- $300.00.

7. (a) We are prepared to furnish our share of the cost of the proposed project in accordance with the wishes of the Defense Minerals Exploration Administration. Other equipment to be used in the project is available for inspection. Our ability to supply the necessary cash can be readily supplied by bank statement.

(b) The estimated project cost is $23,445.50.

The Defense Minerals Exploration Administration and United Pacific Mining Corporation will share equally in the cost. The company's share of $11,722.75 will be supplied partly by cash outlay and partly by depreciation or amortization of equipment. Respectively these amounts will be $5,817.75 and $5,905.00.

C. A. Everett, Company Geologist.

DMEA(2)

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DMEA
RECEIVED NOV 4 1957
DATE | INITIALS | CODE

LEASE AGREEMENT

This indenture made and entered into this 1st day of June, 1957, between Ralph W. Dean and Charley C. Mathis, hereinafter called LESSOR (whether one or more or, partnership, corporation or other legal entity) and UNITED PACIFIC MINING CORPORATION, an Oregon corporation, hereinafter called CORPORATION;

WITNESSETH:

That in consideration of the sum of Ten Dollars ($10.00), in hand paid, the receipt whereof is hereby acknowledged, and of the covenants, agreements and stipulations, hereinafter contained on the part of the parties hereto, to be kept and performed, by it or them, the said LESSOR does covenant and agree to lease and by these presents does grant, devise, lease and let, with exclusive right unto the said CORPORATION, for the purpose of prospecting for and/or mining and operating for any and all metals and minerals and of operating and drilling for petroleum, oil and gas, all that certain tract of land situate in the County of Lemhi, State of Idaho, described as follows, to-wit:

All unpatented mining claims, the location notices thereof being recorded in the office of the County Recorder of Lemhi County, Idaho, in book 2 of the Mining Claims, at page 386, Book 3 of Mining Claims, at page 509, and Book 5 of Mining Claims, at pages to which record reference is hereby made for a more particular description of said mining property. Situated in approximately sec. 27 & 28 unsurveyed. T 26 N. R. 21 E. Boise Meridian, Dahlonega Mining District, Lemhi County, Idaho.

Surprise ✓	Far West ✓	Far East ✓	Far South ✓
Fourth of July ✓	Sunrise ✓	Sunset ✓	Granite ✓
June ✓	Hold Everything ✓	Hot Rock ✓	May ✓
Hold Everything No. 1 ✓	May No. 1 ✓	Vineyard Fraction ✓	
Far West Fraction ✓			

CORPORATION shall have the right to dig shafts and tunnels or in any other way construct mines or wells; the right of exploration by geographic and other methods; the right to build, place, erect, alter, replace, maintain, and operate upon said tract, and, at its option, remove therefrom, any and all houses (including those for housing and boarding employees thereon), shops, buildings, tanks, derricks, store and ware rooms, telegraph and telephone poles and lines, mills and other structures, machinery, equipment, appliances and mining and any and all equipments that may be useful, necessary or convenient for the exploration, prospecting and other production of minerals, metals, petroleum, oil or gas.

It is agreed that this lease shall remain in force for a term of 1 years from this date and as long thereafter as any minerals, metals, petroleum, oil or gas, is or are produced from said tract in paying quantities thereon, or as long as exploration or prospecting for any minerals, metals, petroleum, oil or gas is continued on said tract.

The CORPORATION agrees that it will prospect for minerals, metals, petroleum, oil and gas and perform exploration work on said property during the term of this lease, provided, however, that it shall be within the absolute discretion of the CORPORATION to determine the extent, the time when done, the method doing and the place where said prospecting and exploration work shall be done on said tract.

If prospecting and exploration work is not commenced on said property on or before the 1st day of June, 1958, this lease shall terminate as to both parties, provided, however, that CORPORATION shall have the right, at any time prior to said expiration date, to pay or tender to the LESSOR the sum of $100.00 per month, which sum shall be deemed the stipulated rental and shall cover the privilege of deferring the prospecting and expiration date. In like manner and upon like payments or tenders, the commencement of prospecting and exploration operations may be further deferred for like periods successively and it is expressly understood that the consideration first recited herein, covers not only the privileges granted to date when said first rental is payable as aforesaid, but also CORPORATION's option of extending that period as aforesaid, and any and all other rights therein conferred.

It is agreed that in the event that no minerals, metals, petroleum, oil or gas are or is being produced from said tract at the end of the term of this lease, CORPORATION shall have the right to extend the term of said lease indefinitely by paying to said LESSOR the sum of $100.00 per month, as the stipulated monthly rental until such time as there shall be production upon which royalty payments can be based. The monthly rental shall be deducted from the first royalty payments when due and payable.

LESSOR hereby agrees that CORPORATION has the right to use all existing roads and has the further right to construct any and all roads on said tract necessary to carry on the operations described herein in keeping with good and economical mining practices.

It is understood by and between the parties hereto that CORPORATION may deem it necessary and expedient to obtain Government aid in financing the cost of projects for exploration for indicated or undeveloped sources of strategic metals or minerals, LESSOR does, therefore, agree to enter into a "Consent to Lien and Subordination Agreement" by completing and signing DMEA (Defense Minerals Exploration Administration) Form MF-205 or such forms which may have, at the time of entering this lease agreement, superseded said DMEA form MF-205.

CORPORATION shall pay to LESSOR a royalty of 10% of gross proceeds from the sale of any minerals or metals produced from said tract, said payments to be made at the time that such sale is consummated by CORPORATION and payment, therefor, is received by CORPORATION. It is expressly understood and agreed that LESSOR may sell its royalty interest to CORPORATION, at the option of CORPORATION, for a total sum not to exceed $300,000.00 Dollars. In the event of such agreement such payment by CORPORATION to LESSOR shall be in lieu of the percentage royalty payments provided for in this paragraph, and shall be in full payment of any and all royalty interests which LESSOR may have herein. Provided, further, however, that any percentage payment of royalties made by CORPORATION to LESSOR hereunder shall be deducted from the total purchase price of such royalty interests herein agreed upon.

LESSOR shall have the right to inspect CORPORATION's settlement sheets at any reasonable time in order to verify the amount of royalty due to LESSOR.

LESSOR hereby warrants and agrees to defend the title to the lands herein described, and agrees that the CORPORATION shall have the right at any time to redeem for LESSOR, by payment, any mortgages, taxes, or other liens on the above described lands, in the event of default of payment by LESSOR, and be subrogated to the rights of the holder thereof, and CORPORATION may reimburse itself by applying to the discharge of such mortgage, taxes, or other liens, any royalties or rentals accruing to LESSOR hereunder.

This lease shall be binding upon and enure to the benefit of the heirs, executors, administrators and assigns of the respective parties hereto.

If the estate of either party hereto is assigned--and the privilege of assigning in whole or in part is expressly allowed--the covenants hereof shall extend to their heirs, executors, administrators, successors or assigns, but no change in the ownership of the land or assignment of rentals or royalties shall be binding on CORPORATION until after CORPORATION has been furnished with a written transfer or assignment or a true copy thereof; and it is hereby agreed that in the event this lease shall be assigned as to a part or as to parts of the above described lands and the assignee or assignees of such part or parts shall fail or make default in the payment of the proportionate part of the rentals due from him or them, such default shall not operate or affect this lease in so far as it covers a part or parts of said lands upon which CORPORATION or any assignee thereof shall make due payment of said rental.

LESSOR shall in nowise be considered as the employer of any of the employees of CORPORATION, and CORPORATION shall be solely responsible to all of its employees and there shall not be any liability to or responsibility upon LESSOR for any wages owing to any of CORPORATION's employees or any damages or injuries sustained or claimed by any employees of CORPORATION arising out of any of CORPORATION's operations hereunder, and CORPORATION shall, at all times, save LESSOR harmless therefrom.

CORPORATION may terminate this lease at any time that any operation hereunder for the production of minerals, metals, petroleum, oil or gas ceases to be profitable to operate, of which CORPORATION shall be judge, upon payment to LESSOR of the sum of Ten Dollars ($10.00) and upon giving LESSOR thirty days (30) written notice of its intention to do so, and upon the expiration of said thirty days (30), CORPORATION shall have the right and privilege to remove all buildings, machinery and improvements now situated or hereafter erected upon the tract herein described, provided all royalties due and owing to the LESSOR shall have been paid.

In the event that LESSOR does NOT have the right to include petroleum, gas and oil rights in this lease agreement, then such understanding and agreement of the parties hereto shall be evidenced by their respective signatures to Appendix "A" entitled, "NON-INCLUSION OF PETROLEUM, OIL AND GAS RIGHTS", which Appendix "A" shall be attached hereto and made a part hereof as though fully set forth herein, and thereupon any words or reference in this instrument to said petroleum, oil and gas rights shall be null and void as though the same had not been included herein.

WITNESS our hand seal this 1st day of June, 1957.

WITNESSES:

Patricia J. Hurley
Clayton Jenkins
Doris L Linn Gibbonville Idaho.

LESSORS:

Ralph W. Dean (SEAL)
Charles Smith (SEAL)
(SEAL)
(SEAL)

UNITED PACIFIC MINING CORPORATION

Geo. C. Barr
By Authorized Agent

STATE OF Idaho)
) ss.
COUNTY OF Lemhi)

BE IT REMEMBERED that on this 16 day of October, 1957 personally appeared before me, a Notary Public in and for the State and County hereinbefore mentioned, the above named LESSORS Dean & Smith and _____ and acknowledged the foregoing instrument to be their voluntary act and deed.

Gina Heidt
Notary Public

My Commission expires: April 21 - 1960

STATE OF Ore)
) ss.
COUNTY OF Lane)

BE IT REMEMBERED that on this 21 day of June, 1957 personally appeared before me, a Notary Public in and for the State and County hereinabove mentioned, Geo. C. BARR, who being duly sworn did say that he is an authorized agent of United Pacific Mining Corporation and that the seal affixed to the foregoing instrument is the Corporate seal of said CORPORATION and that said instrument was signed and sealed in behalf of said CORPORATION by authority of its Board of Directors and he acknowledged said instrument to be its voluntary act and deed.

R. Pederson
Notary Public

My Commission expires: May 17, 1961

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
4/4/58	Knouse	700
"	Ely	700
4/7	Selfridge	130
"	Johnson	110
"	Butterday	100
		220
		225
4/7	Lamb	130
4/7	Kiilsgaard	130

APR 7 1958

Mr. C. A. Everett, Geologist
United Pacific Mining Corporation
2675 Willamette Street
Eugene, Oregon

Re: Docket No. DMEA-4867 (Uranium)
Mathis-Dean Property
Lemhi County, Idaho

Dear Mr. Everett:

Your letter (with attachments), dated February 21, 1958, addressed to Mr. A. E. Weissenborn at our Spokane, Washington, office, was forwarded here for reply.

We have reviewed the material submitted with your letter, as well as the material in our files relating to the proposed project. All our information indicates that the probability of making a significant discovery of uranium on this property is not sufficiently promising to justify Government participation in an exploration project. Therefore, there is no change in the decision rendered in my letter of November 25, 1957. If your company can obtain additional factual information which would show the probability of finding sufficient ore to be of importance economically or for the National Defense, we shall be glad to reopen this case upon application and submission of the new information.

Sincerely yours,

(for)

Administrator

FLKnouse/gla
4-4-58
cc to: Admr.'s Reading File
Operating Committee
THKiilsgaard, 5224
FLKnouse
DMEA Field Team, Region I (2)

8623

Docket

November 21, 1957

Kuppel
Ellis

Summary of Proposed Project

Nov. 21, 1957

Object: Denial of application for exploration aid.

Docket No.: DMEA-4867

Commodity: Uranium

Applicant: United Pacific Mining Corporation
2675 Willamette Street
Eugene Oregon

Property: Consists of 16 contiguous unpatented lode mining claims and fractions, situated approximately in (unsurveyed) secs. 27 and 28, T. 26 N., R. 21 E., B.M.&B., Lemhi County, Idaho. The claims are Surprise, Fourth of July, June, Hold Everything No. 1, Far West Fraction, Far West, Sunrise, Hold Everything, May No. 1, Far East, Sunset, Hot Rock, Vinyard Fractions, Far South, Granite, and May. All of the above claims were included in DMEA-3460 Contract No. Idm-E716, Bitterroot Uranium, Inc., except Hold Everything No. 1, Far West Fraction, May and May No. 1, and Vinyard Fraction.

Property Rights: Are recited in a lease, dated June 1, 1957, between the Applicant andRalph W. Dean and Charley C. Mathis.

Application Dated: October 28, 1957

Application Amount: $23,445.50

Application Received in Washington: November 4, 1957

Field Team's Comments dated: November 1, 1957

Field Team's Comments Received in Division: November 6, 1957

Work Proposed: Consists of 5 non-core and core holes drilled from the surface, ranging in depth from 175 to 800 feet and the deepening of one hole 125 feet, aggregating 2,400 feet of drilling. Also some surface excavations with a bulldozer. Proposed work would explore in depth below the oxidized zone a uranium mineralized zone in fractured quartz, on the Surprise and Far West claims, westerly from work done (drifting and surface trenching) under DMEA-3460, Contract No. Idm-E716. ~~as a discovery~~.

Estimated Cost:

10 days bulldozing @ $150/day		$1,500.00
Personal Services		
Field Engineer @ $500/mo. - 4 mos.	$2,000.00	
Geologist @ $300/mo. - 4 mos.	1,200.00	
Driller @ $350/mo. - 4 mos.	1,400.00	
Driller helpers - 2@ $300/mo.each-4mos.	2,400.00	
Cook @ $300/mO.- 4 mos.	1,200.00	
Food, etc. @ $300/mo. - 4 mos.	1,200.00	$11,600.00

Operating Materials and Supplies

Oil, grease, gasoline, hydraulic fuel, cement, agua-gel, etc.	$2,127.50	
Casing, small tools, hose, drill bits, slips, steel line, chuck jaws, etc.	1,513.00	$3,640.50

Operating Equipment

Portable drill, compressors, pickup, jeep, water truck, water pumps, safety clamp, diamond bits, reaming shells, core barrels, trailor cookhouse, 1,350 ft. drill pipe, etc. - value	$18,455.00	
Depreciation		$5,905.00
Drill Motor Purchase		500.00
Equipment maintainance and repairs		300.00

Total Estimated Cost of the Project $23,445.50
Government Participation @ 50% $11,722.75

Field Team's Comments: Dated Nov. 1, 1957 by A. E. Weissenborn, USGS, and Wing G. Agnew, USBM:

"This is the same property explored under Contract Idm-E716, Docket No. DMEA-3460. The applicant believes (on the basis of one diamond drill hole and the advice of Mr. A. L. Anderson, Geologist) that the poor showings of uranium found in the Surprise drift will increase in depth. This belief is based on a radioactivity anomaly found near the bottom of a vertical diamond drill hole. No ore was recovered from the drill hole and no sludge sample was taken to indicate the importance of the anomaly. It appears that Mr. Anderson did not take into consideration a fault which the DMEA drift shows to cut off the crushed silicified zone in which the uranium occurs. A second diamond drill hole put down by the applicant at an angle cuts across the uranium-bearing zone, but again, no ore was recovered and no sludge samples were taken.

"We wish we could agree with the applicant that the low anomaly in his vertical drill hole indicates an increase in uranium content of the vein in depth; however, in the face of the evidence found in the DMEA drift, which seemed to show that the uranium content decreased as the drift advanced deeper into the hill, one would have to be very optimistic to believe that the uranium values will increase with depth."

No core was recovered from the two drill holes drilled by the Applicant and no additional significant work has been done since the completion of the DMEA work ~~was completed~~ that would justify additional exploration. Therefore, a field examination would not supply any additional data. Further consideration of the application, unless the Applicant can furnish more positive information that the uranium content of the vein increases in depth is not warranted.

Commodity Member's Comments:

USBM, James Paone, dated November 6, 1957:

Agrees with the Field Team that the application should be denied without prejudice.

USGS, W. P. Williams, dated November 19, 1957:

I am in agreement with the Field Team that the application should be denied without prejudice.

Division of Rare and Misc. Metals, F. L. Knouse, November 21, 1957:

This proposed project was discussed at some length with Mr. A. E. Weissenborn on November 15, 1957. He was strongly of the opinion that the Applicant had furnished no information that would justify DMEA participation in further exploration of this property. Also, that the application should be denied outright and the without prejudice provision recommended by the commodity members should not be included in the denial letter to the Applicant. He based this opinion on the DMEA exploration work and the additional work done by the Operator, and also stated that the Government should not contribute to the encouragement of further exploration of the property.

I concur with the recommendations of the Field Team, including the latter statement of Mr. Weissenborn, that the probability of making a significant discovery of uranium on the property is not promising; also, that the application should be denied but not including "denial without prejudice" in the denial letter to the Applicant.

Conclusions:

A review of all our information relating to the proposed additional exploration of the property does not indicate the probability of making a significant discovery is sufficiently encouraging to justify Government participation. Therefore, the application should be denied.

Ernest Wm. Ellis

Ernest Wm. Ellis, Director
Division of Rare and
Miscellaneous Metals

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

April 1, 1958

Memorandum

To: Ernest William Ellis, Director, Rare and Miscellaneous Metals Division, DMEA, Room 4443

From: Commodity Specialist, Branch of Rare and Precious Metals

Subject: DMEA Docket 4867

The March 12 letter from Mr. Weissenborn to Mr. Selfridge and February 21 letter from the applicant's geologist to Mr. Weissenborn do not present sufficient evidence that would alter my recommendation of denial of November 6, 1957.

James Paone

James Paone

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IN REPLY REFER TO:

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

March 25, 1958

Memorandum

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

From: W. P. Williams, U. S. Geological Survey

Subject: Review of supplement to application, DMEA 4867 (uranium), United Pacific Mining Corporation, Mathis-Dean property, Lemhi County, Idaho

The subject property was explored by means of an adit drift under the terms of DMEA 3460, Contract Idm-E716. The work under the previous contract did not result in the discovery of commerical amounts of uranium ore.

After due processing, the present application was denied by letter, dated November 25, 1957, from the Administrator, DMEA, to the applicant. In the effort to supplement his application, the applicant submitted a geologic report intended to demonstrate that uranium values would increase with depth and that therefore further exploration at depth is justified. The Field Team reports, however, that the DMEA examining team did not observe geological evidence that would bear out the applicant's contentions.

The unsuccessful outcome of the previous DMEA work and the lack of geologic evidence that would indicate that exploration drilling would be successful both lead me to agree with the recommendation of the Field Team for denial of the application at this time.

W. P. Williams

W. P. Williams

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

DMEA
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3/17 C 220
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March 12, 1958

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

Re: Docket No. DMEA-4867 (Uranium)
United Pacific Mining Corporation
Mathis-Dean Property
Lemhi County, Idaho

Dear Mr. Selfridge:

Enclosed are two copies of a letter dated February 21, 1958 with enclosures from C. A. Everett, geologist for the referenced applicant, in further reference to his letter of January 15, 1958 to the Field Team and our reply of January 21, 1958, copies of which we sent you.

Mr. Everett attempts to show a similarity between the surface expression of weathered primary deposits found at other localities with those existing at the Surprise property. Premised on these supposed similarities he then concludes that primary uranium should be found below the water table. However, Mr. Everett's implied abundance of hematite resulting from the oxidation of heavy sulfide mineralization is somewhat exaggerated.

The breast of the tunnel driven by Bitterroot Uranium, Inc., (Docket No. DMEA-3460), reached a depth of approximately 300 feet below the surface. Autunite was found to be widely but sparsely distributed throughout a shattered quartz vein which was followed for 530 feet from the portal of the adit. At this distance the quartz vein was cut off by a fault. The drift was extended an additional 258 feet to explore an autunite showing in a long hole drilled by the operator but did not find the extension of the quartz vein. However, a few specks of autunite were found in a cross shear cut by the drift.

In his amended paragraph 2(f), Mr. Everett refers to a "hematitic formation" found in a drill hole and to hematite which stains some of the clay developed in the fault zone, but nowhere does he describe the heavy iron staining that would be expected from a vein with abundant iron sulfides, nor have our own men noted such

iron staining. Neither have we noted the boxworks that would be expected from the oxidation of a vein rich in pyrite or other iron sulfides. On the contrary, the scattered fresh pyrite found in the drift and the one piece of slightly oxidized chalcopyrite indicate that the vein contained only moderate amounts of sulfide minerals. Since removal of uranium is considered to be accomplished chiefly by solution derived from oxidizing sulfides--especially iron sulfides--it follows that there is little reason to believe that much uranium has been removed from the vein. This in turn leads to the inference that the primary "ore" will not be appreciably richer than the partly oxidized upper part of the vein. The presence of pyrite further suggests that the top of the primary ore is already exposed.

In view of this we do not feel that Mr. Everett has presented any new evidence that would justify another examination or a change in the recommendation we made in the final paragraph of our letter of November 1, 1957, as follows:

> "As no core was recovered from the two holes drilled by the applicant and the Surprise tunnel has already been mapped and sampled as shown in the Field Team final report under Docket No. DMEA-3460, a field examination would not give us any additional data; therefore, we cannot recommend further consideration of this application unless the applicant can furnish more positive indication that the uranium content of the vein does increase with depth. If he cares to do this drilling on his own and is successful, we could then reconsider his application, but we cannot, in good conscience, recommend his present proposal."

We have merely acknowledged receipt of Mr. Everett's letter and stated that it was being forwarded to you as we do not wish to enter into a long distance and pointless debate with him regarding how much iron sulfides were in the vein and what effect this might have on the oxidation and removal of uranium.

We recommend that you advise the applicant of the necessity for him to drill at least one hole that would indicate the accuracy of his deductive reasoning presented in his amended paragraph 2(f) before we can consider spending additional Government funds on this property.

By Field Team, Region I

A. E. Weissenborn

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

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

Enclosures

cc: USBM (2)
Alvord

UNITED PACIFIC MINING CORPORATION
2675 Willamette Street
Eugene, Oregon
Telephone DIamond 3-6634

February 21, 1958

Mr. A. E. Weissenborn
Defense Minerals Exploration Administration
South 157 Howard Street
Spokane 4, Washington

Dear Mr. Weissenborn:

In response to the invitation in your letter of 21 January, I am sending a replacement in triplicate for paragraph 2(f) of form MF-103 in our loan application - docket number 4E67. You will, of course, realize that this new submittal is quite concise in that a more lucid expansion of the material and ready references for the data can be supplied.

Your studious consideration shall be appreciated.

Sincerely,

United Pacific Mining Corporation

C. A. Everett, Geologist

CAE:ae

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3-19 JLK 700

RECEIVED
FEB 24 1958
SPOKANE

RECEIVED
FEB 24 1958
U. S. G. S.
SPOKANE, WASH

United Pacific Mining Corporation
2675 Willamette Street
Eugene, Oregon

RECEIVED MAR 17
DATE
3-19 7100

FORM MF-103

2. Physical description: (e Continued)

and near the mine portal, respectively. The ore minerals are believed to be: "Autunite, Torbernite and Zippeite".

(f) Several pertinent data have insufficiently influenced the evaluation and exploration of the Mathis-Dean properties situated in northern Lemhi County, Idaho. This brief presentation endeavors to demonstrate the similarity of phenomena commonly associated in magmatic uranium deposits - with phenomena found in the Surprise Mine area. Among the noted students of uranium mineralization, there is general agreement on some specific matters. The uranium ion, because of its large size, valence and perhaps yet unknown characteristics, strongly resists precipitation with almost all common rock-forming minerals and thus is more concentrated in the late, usually siliceous, melt of magmatic fluids. The mobility of this frequently low temperature, uranium-bearing melt is such that the latest developed features in the magmatic cupola or in superjacent host rock can become channels of escapement and/or precipitation for this solution. Precipitation of the uranium ion usually occurs in two forms. Uraninite forms with the tetravalent uranium ion in a reducing environment with the frequent formation of hematite or sulphur. There is some evidence which indicates that some of the uranyl minerals (hexavalent) have resulted from the action of thermal solutions either by direct precipitation or by hydrothermal alteration of primary pitchblende. The occurrence of magmatic, uranium mineralization is very frequently found as fissure fillings in meta-sedimentary rocks. In the Central City district of Colorado it has been learned that the tenor of the upper parts of the uranium veins is considerably below that of the primary deposits. At Marysvale the oxidized portion of the veins, for the most part, were impoverished; yet locally, particularly in the lower part of the oxidized zone, the veins were enriched in uranium.

United Pacific Mining Corporation
2675 Willamette Street
Eugene, Oregon

FORM MF-103

2. Physical description: (f Continued)

Significant data related to the "critera" above and concerning the uranium mineralization on Friedorf Gulch in northern Lemhi County of Idaho include: The discovery of a small piece of pitchblende in the north fork of the Salmon River near the mouth of Friedorf Gulch. This was found by Mr. Clay Jenkins of Darby, Montana and proves the existence of primary uranium minerals in the area.

Uranium mineralization in the nearby Garm-Lamoreaux Mine, on upper Dump Creek and elsewhere is indicative that northern Lemhi County is a province of epigenetic uranium deposits. The occurrences of silica, hematite and what appears to be hydrothermal clay in the mineralized fracture zone on which the Surprise adit has been driven are features which are common to magmatic uranium deposits elsewhere.

The occurrence of secondary uranium mineralization not only in close association with the brecciated dike but its confinement on the northeast side of the clay gouge in this dike regardless of direction of dip indicates a control more refined than that usually associated with descending waters and readily soluble minerals.

The most significant fact which must be elucidated by further exploration is the radioactivity of the hematitic formation found 290 feet below the portal level. Perhaps the outstanding feature of this radioactivity is that no evidence of it is found in the samples taken from these depths. This implies that the minerals from which the radioactive emanations are derived must be somewhat removed from the hole and thus a full measure of the radioactivity has yet to be made.

In order to justify exploration by the rather expensive method of drifting or crosscutting, such work must either open on ore or near ore or else the expectation of encountering ore within a reasonable distance must be based on something more than fortuitousness. It is customary in economic mining procedure that relatively inexpensive probings by drill methods be made in order to find the most highly mineralized, subsurface zones. Only after successful or unsuccessful probings are other, more expensive means applied in an endeavor to obtain further evidence. A return to normal exploratory

United Pacific Mining Corporation
2675 Willamette Street
Eugene, Oregon

FORM MF - 103

2. Physical description: (f Continued)

procedure in further work on the Surprise property is mandatory.

At this later date, with the more complete understanding of the nature of uranium mineralization - and in retrospect, it would seem that the best prospects for encountering ore of higher tenor would be at least below the zone of relatively abundant meteoric waters and oxidation effects. Whether the diluting effects of oxidation persist to considerable depth or whether a shallow, enriched zone exists, are factors to be determined. Information learned from recent exploration by drilling encourage further similar work while that data gained from previous exploration by drifting has hardly indicated and certainly not proven any detraction from the property's potential.

The favorable evaluation of the Surprise Prospect is certainly evident from the several above data and their applicable relationships. The critical factor is that a judgment has been made against the property because of the apparent reconnoiter into the oxidized ore zone yet the property is surely somewhat more attractive than before the various explorations were conducted. That so much time and effort have been spent to obtain such inconclusive evidence is hardly a credit to our deductions or to the methods employed. The property merits further, sagaciously conducted, exploratory work and the program advocated in this loan application is one such avenue.

United Pacific Mining Corporation
2675 Willamette Street
Eugene, Oregon

FORM MF - 103

2. Physical description:

(g) Figures 6 & 7 illustrate the five (5) proposed holes. The collars of these holes are located in plan on figure 3. None of these illustrations need be returned.

3. Accessibility of Project:

(a) The area may be readily reached by automobile. The location and routes of access are shown on figure 1. Our home office at Eugene, Oregon should be contacted should the Government personnel desire a guide to the property. Some of our personnel will be pleased to be at a time and place of your choosing for the purpose of examining the property.

(b) The shipping and supply point is Salmon, Idaho. The situation at Salmon is frequently unsatisfactory and materials and supplies must occasionally be obtained from as far as Salt Lake City, Utah. Some of our employees have resided at Salmon and at Gibbonsville and on the property. Gibbonsville and Salmon are 3 and 33 miles respectively from the property.

4. The Exploration Project:

(a) In the proposed exploration project, five (5) new holes will be drilled. These holes will prospect the mineralized structure at three different locations. The collars of the holes are plotted on figure 3. Cross sections of these holes are shown as figures 6 and 7. Total footage will be about 2400 feet. Of this, 125 feet will be drilled in the deepening of previously drilled hole #2. Prior

OFFICIAL FILE COPY
DMEA
RECEIVED MAR 14 1958

DATE	INITIALS	CODE

So. 157 Howard Street
Spokane 4, Washington

March 7, 1958

Mr. C. A. Everett, Geologist
United Pacific Mining Corp.
2675 Willamette Street
Eugene, Oregon

Re: Docket No. DMEA-4867 (Uranium)
United Pacific Mining Corporation
Mathis-Dean Property
Lemhi County, Idaho

Dear Mr. Everett:

This will acknowledge your letter of February 21, 1958 with which you enclosed three copies of a replacement for paragraphs 2(f), 2(g), 3(a) and (b), and 4(a) of your application for DMEA assistance.

We have read the new paragraphs with interest and are forwarding them with your letter to Washington. You should hear from them soon.

Sincerely yours,

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

cc: DMEA (2)
USBM (2)
Alvord

ORIGINAL FILE COPY
DMEA
RECEIVED JAN 1958
DATE CODE
1/27 C 220
1/27 KLK 700
225

So. 157 Howard Street
Spokane 4, Washington

January 21, 1958

Mr. C. A. Everett, Geologist
United Pacific Mining Corp.
2675 Willamette Street
Eugene, Oregon

Re: Docket No. DMEA-4867 (Uranium)
Mathis-Dean Property
(The Surprise Mine)
Lemhi County, Idaho

Dear Mr. Everett:

We have studied your letter of January 15, 1958 with much interest. As a result of the exploration of the Surprise claims done by Mr. Wilhite and his associates with DMEA participation a year or so ago, a good deal of information is available to us concerning this property. As you are aware, the results of the exploration were extremely disappointing and after detailed mapping and sampling of the rather extensive underground workings, we were forced most reluctantly to the conclusion that the chances of discovering significant deposits of uranium ore on the property are not good.

If you feel that in your application you did not present the property in as favorable a light as it deserves, you are welcome to submit it again for consideration, particularly if you have facts which were not previously known, or the importance of which was not recognized. Nevertheless, in all frankness, in view of the discouraging results of the previous exploration, you would have to present strong evidence in support of your views to enable us to justify recommending more work on the property.

Sincerely yours,

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

cc: DMEA (2) w/2 copies of incoming
USBM (2)

UNITED PACIFIC MINING CORPORATION
2675 Willamette Street
Eugene, Oregon
Telephone DIamond 3-6634

OFFICIAL FILE COPY
DMEA
RECEIVED JAN 27 1958

DATE	INITIALS	CODE

January 15, 1958

Mr. A. D. Weissenborn
Defense Minerals Exploration Administration
South 57 Howard Street
Spokane 4, Washington

Dear Mr. Weissenborn,

I am writing for your advices regarding our rejected application (docket #DMEA-4867) for assistance in the execution of our exploration program on the Mathis-Dean property situate in northern Lemhi County, Idaho. From my recent studies and from encouragement received from such authorities as Dr. Alfred L. Anderson of Cornell University and the Idaho State Geologic Survey, I have concluded that the refusal of our application results from shortcomings in our application rather than from any lack in the potential of this uranium prospect. Although I am convinced in the merits of the program as presented, I shall, on your advices, present some other program limited to the drilling of one or two holes. The prospect should certainly be explored below the zone of oxidation and in order to properly locate the structure at depth the drilling of a shallower hole is necessitated. And so, perhaps the application as presented could be approved in a limited fashion, that is, the completion of the program would be deferred until the results gained from the first two holes could be evaluated. Surely there is some way in which Government aid may be enlisted for the drilling of a property exhibiting such merit.

Information gained from the Surprise adit is substantial and certainly indicates that the potential of the deposit will only be learned through prospecting at greater depth. This is demonstrated by the nature of the Uranium mineralization - that is, because only secondary (supergene) minerals are found. Whether the secondary minerals were derived from leaching and transportation from the andesite cap rock which sporadically occurs in the area, or whether they are from an in situ weathering from a deposit of magmatic origin is of paramount importance. In my preliminary examination of the property, I postulated that the deposit probably resulted from accumulation by meteoric water processes; on further study my thinking changed because of several observations. Firstly, secondary mineralization found in the andesite cap rock occurs abundantly only along the strike of the mineralized feature in which the Surprise adit has been driven. I have noted meager occurrences of secondary uranium minerals a short distance away from my projection of the strike but all of these are confined within a few hundred feet from said strike. The occurrence of hematite certainly is indicative of primary mineralization and hematite is found in close contact with the clay and uranium in the Surprise mine adit and 200 feet below this adit level. Hematite and uranium mineralization have been found as close associates in other primary uranium deposits and the occurrence here certainly adds to the merit of the property. The size of the primary mineral at depth can not be estimated from the amount of secondary mineral for the abundance of these is more pertinently related to the amount of precipitating reagents. In the rather homogeneous rock environment of the Surprise Mine area, it is likely that the uranium tenor will remain quite unchanged to the water table.

I shall certainly appreciate your reply and hope that you will see fit to aid us in our endeavor to properly explore this property. Our feeling is that the previous work done by us in the area, which includes seven drill holes, is inconclusive and that gross error would be committed were we to abandon the property at this stage. Similarly, the information derived from the Surprise Mine

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
11-25	Knouse	700
11-25	Ellis	700
11/25	Selfridge	130
"	Johnson	110
"	Mittendorf	100
11/26	gb	220
		225
11/25	Lamb	130
11/25	Kiilsgaard	130

NOV 25 1957

United Pacific Mining Corporation
2675 Willamette Street
Eugene, Oregon

Re: Docket No. DMEA-4867 (Uranium)
Mathis-Dean Property
Lemhi County, Idaho

Gentlemen:

Your application for aid in an exploration project and other information available to us in Washington concerning the 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, including that obtained by the DMEA exploration work previously done at the property, indicates that the probability of disclosing significant ore reserves is not sufficiently promising to justify Government participation. We regret to advise you that, under these circumstances, your application for exploration assistance is denied.

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

Sincerely yours,

C. O. Mittendorf

Administrator

FLKnouse/izm 11-25-57 (11-21-57)
cc: Mr. Knouse
Admr.'s Reading File
Operating Committee
THKiilsgaard, 5224
DMEA FT, Reg. I (2)

8623

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

IN REPLY REFER TO:

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DMEA
RECEIVED NOV 20 1957

DATE	INITIAL	CODE
11/20	C	220
11/21	~~EWE~~	700
	FLK	
	Complete	

November 19, 1957

Memorandum

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

From: W. P. Williams, U. S. Geological Survey

Subject: Review of application, DMEA 4867 (uranium), United Pacific Mining Corporation, Mathis-Dean property, Surprise Mine, Lemhi County, Idaho

The applicant makes application on the same property that was explored under DMEA 3460, Idm-E716.

The Field Team, Region I, have pointed out in a letter to the Chairman, Operating Committee, dated November 1, 1957, that the chances of finding important uranium ore deposits in the Surprise Mine are not good. The Field Team point out that drilling by the applicant was unsuccessful in finding ore, although a radioactive anomaly was found by hole probing. The Surprise drift, driven previously by DMEA, shows a fault that cuts off the crushed silicified zone in which the uranium occurs.

The Field Team, through data obtained under Idm-E716, are unable to detect any evidence that indicates that the grade of the rock at the Surprise Mine will increase with depth--as the applicant believes.

The Field Team suggest that if the applicant should do further work for his own account, perhaps a reappraisal of the property would be in order at a later time. I am in agreement with the advice of the Field Team and recommend denial of the application without prejudice.

W. P. Williams

W. P. Williams

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DMEA
RECEIVED NOV 7 1957

DATE	INITIALS	CODE
11/7	gb	220
11-7	~~Ellis~~	700
11-8	Knouse	700

Information

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

Date November 6, 1957

DMEA Docket No. ~~3450~~ 4867
DMEA Contract No.
Commodity United Pacific Mining Corp.
Name of applicant Mathis-Dean Property
Name of property Lemhi County, Idaho
Location of property $23,445.50
Estimated cost of project

To: Ernest William Ellis, DMEA Member
Uranium Commodity Committee
From: James Paone, Bureau of Mines Member JP
Uranium Commodity Committee
Subject: Review of Application
(Application, Field Team Report, etc.)

1. Date of subject document: 11/1/57. 2. Date received by reviewer: 11/6/57.

3. Prior reports on this property known to reviewer: Yes [ ] No [ ]

4. Prior reports on nearby properties known to reviewer: Yes [ ] No [ ]

5. Information available on past production: Yes [ ] No [ ]

6. Other pertinent factors known to reviewer: Yes [ ] No [ ]

7. Explain items marked yes above:

8. Factors needing special consideration:
   a. Location [ ]
   b. Ownership [ ]
   c. Evidence of mineralization [ ]
   d. Geology [ ]
   e. Proposed exploration method [ ]
   f. Alternate exploration method [ ]
   g. Costs [ ]
   h. _____ [ ]

9. Action advised:
   a. Obtain information from applicant [ ]
   b. Refer to Field Team [ ]
   c. Denial [x] without prejudice
   d. Agree with Field Team [ ]
      i. Consult with Mr. _____ at _____ AEC office.
   e. Disagree with Field Team [ ]
   f. Suggest alternate plan [ ]
   g. Request another examination [ ]
   h. Approval [ ]

10. Remarks: (Use back of page if necessary) Information onproperty does not indicate exploration will be successful.

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

November 5, 1957

United Pacific Mining Corporation
2675 Willamette Street
Eugene, Oregon

Gentlemen:

Subject: DMEA-4867

Your application for exploration assistance, dated October 28, 1957 submitted to our office at Spokane, Washington has been assigned Docket Number DMEA-4867 and referred to the Rare and Miscellaneous Metals Division in the Washington office. Kindly identify all future correspondence relating to your application by this Docket Number.

Sincerely yours,

Allen S. Dakan, Director
Operations Control and
Statistics Division

Copy to:

Region I

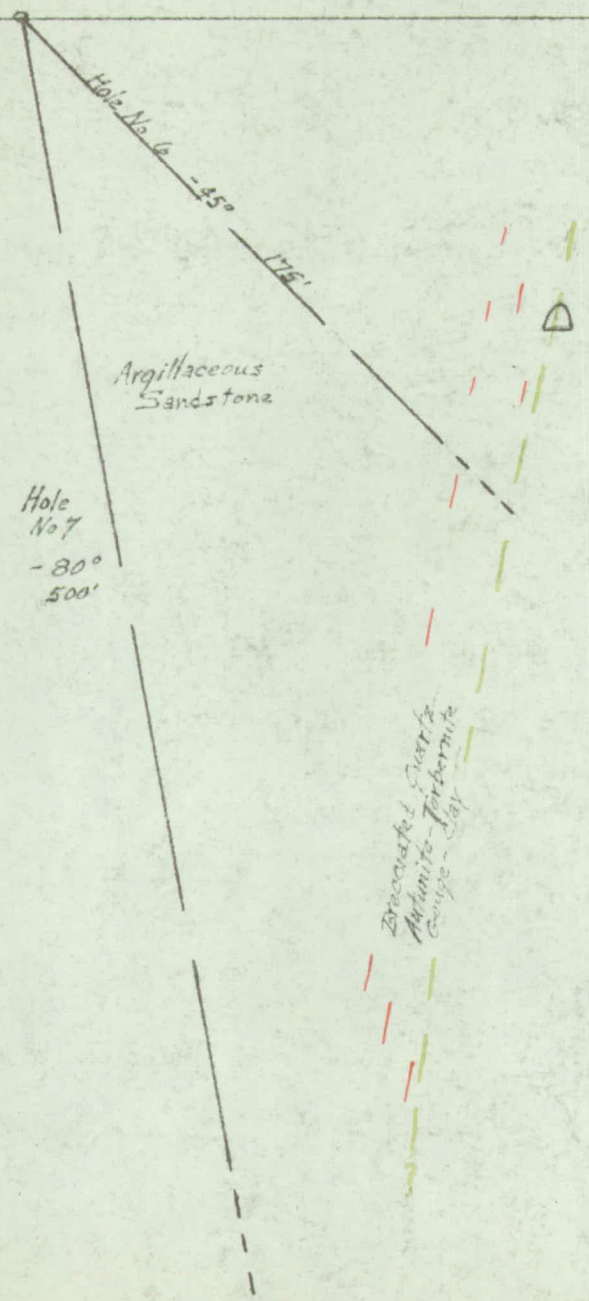
Figure 6

N30°E
S30W
00
100'
200'
300'
Argillaceous Sandstone
Brecciated Quartz & Quartzite w. Actinolite-Torberite--?
Arenaceous Phyllite
No. 3 -30° 200' est depth
No. 4 -60° 500' est. depth
No. 5 -60° 800' est. depth
Cross-Section
Proposed Test Holes
No. 3, 4 & 5
Friedort Gulch
near
Gibbonsville, Idaho
Scale: 1" = 50'
C.A. Everett
Oct. '57

Figure 7

N30E

S30W

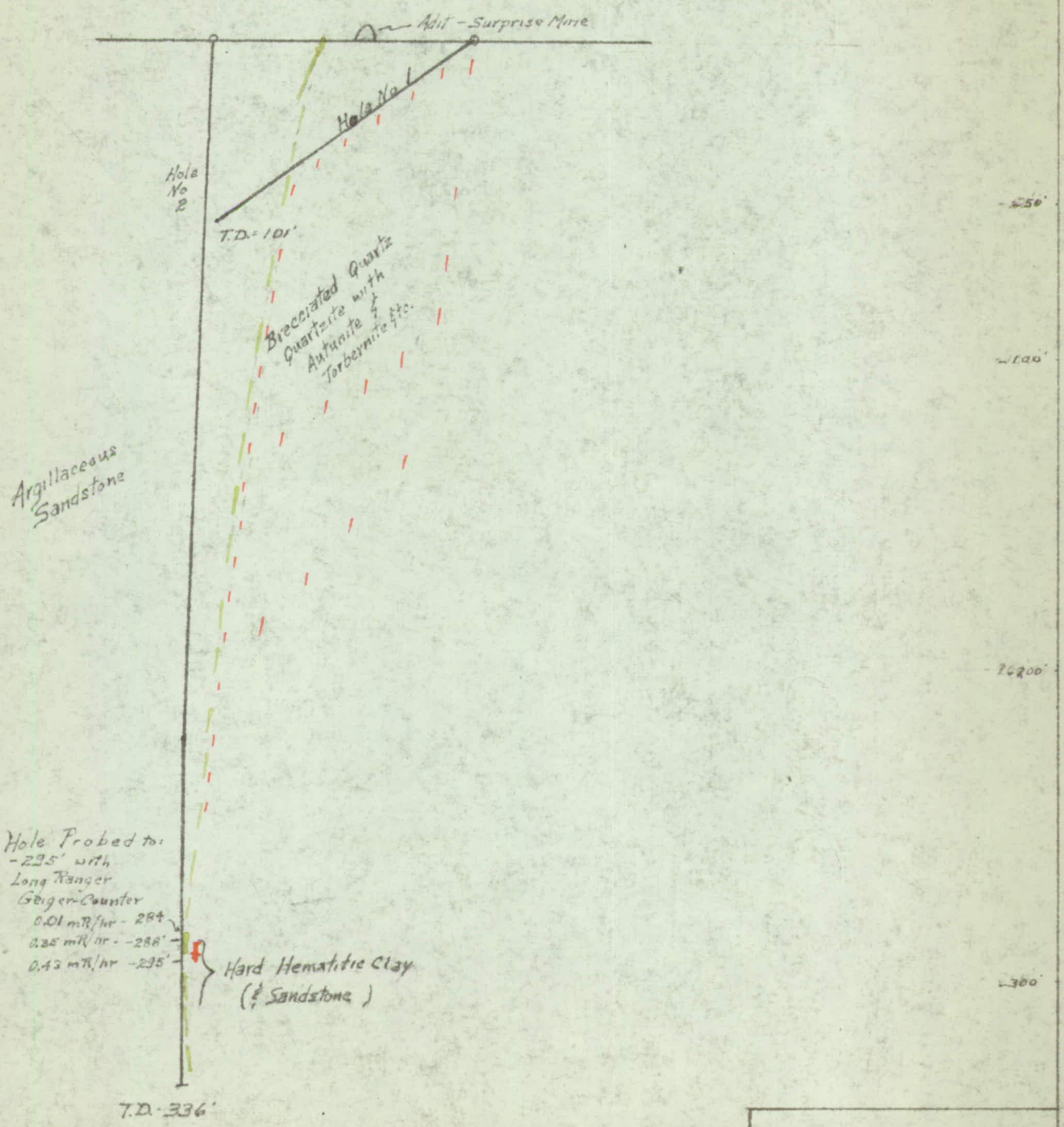


Cross-Section
Proposed Test Holes
No. 6 & 7.

Friedorf Gulch
near
Gibbonsville, Idaho
Scale 1" = 50'

C A Everett Oct. '57

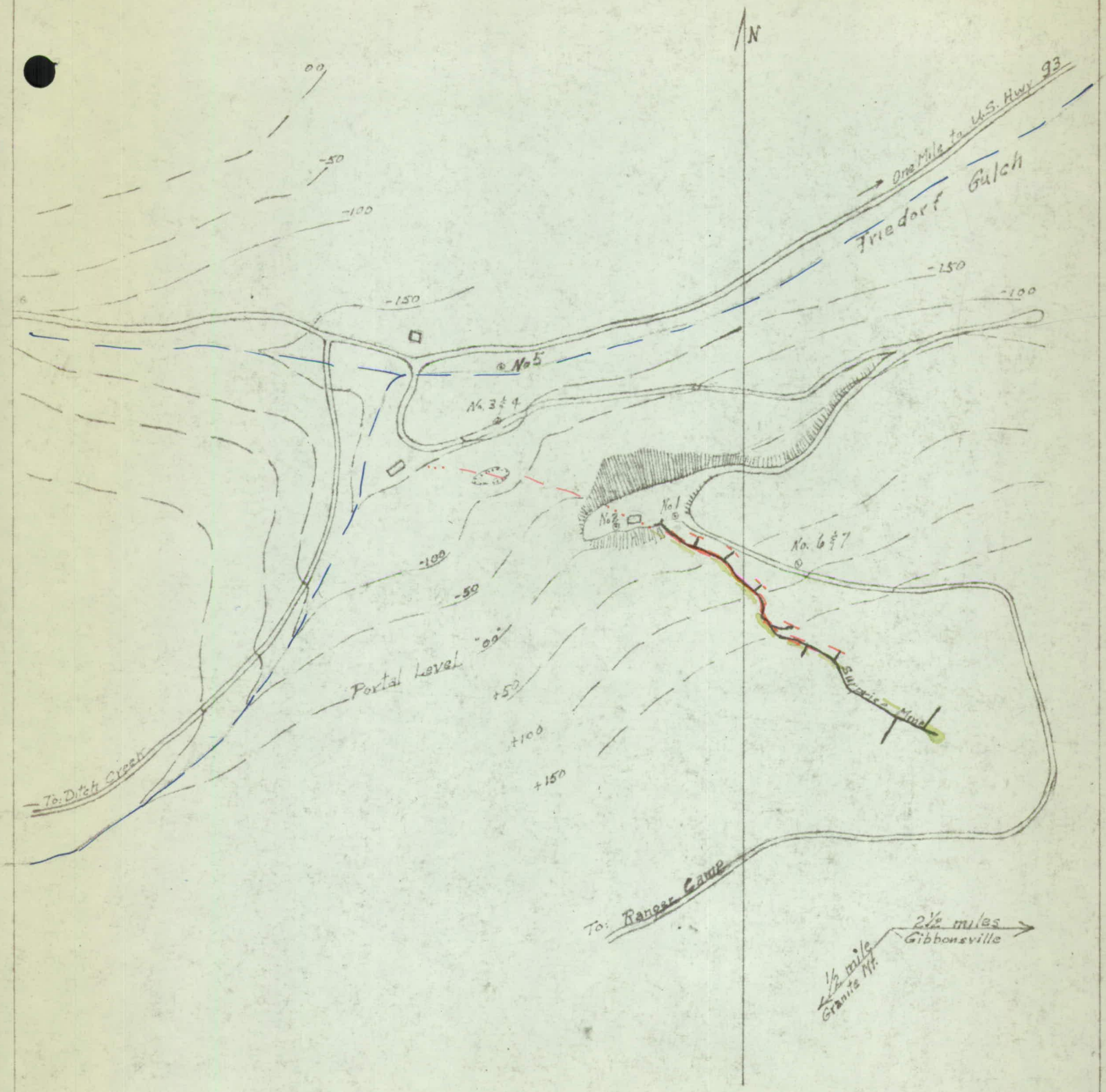
Figure 5



Cross - Section
Test Holes No 1 & 2
Friedorf Gulch
near
Gibbonsville, Idaho
Scale: 1" = 50'

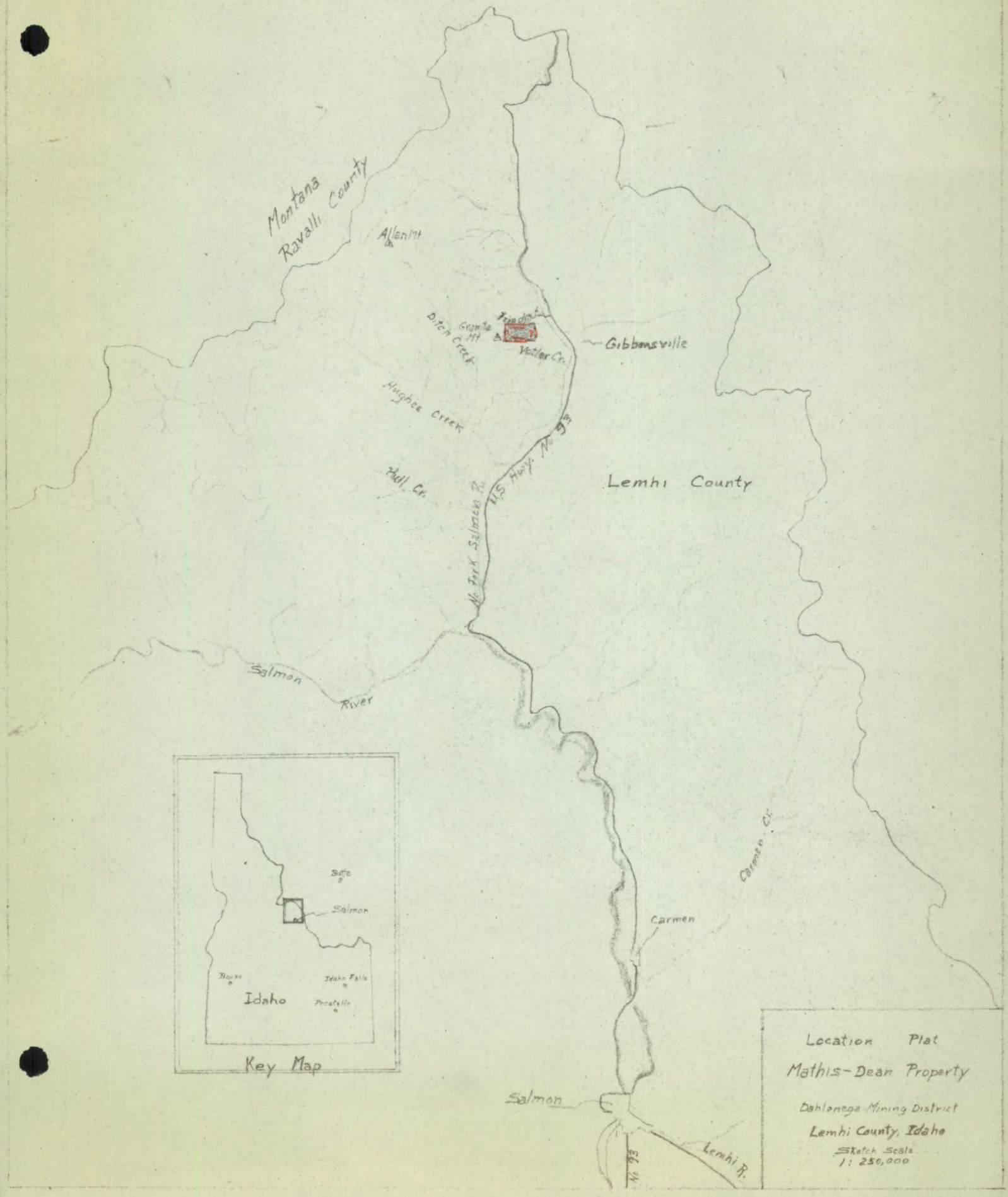
C.H. Everett Oct. '57

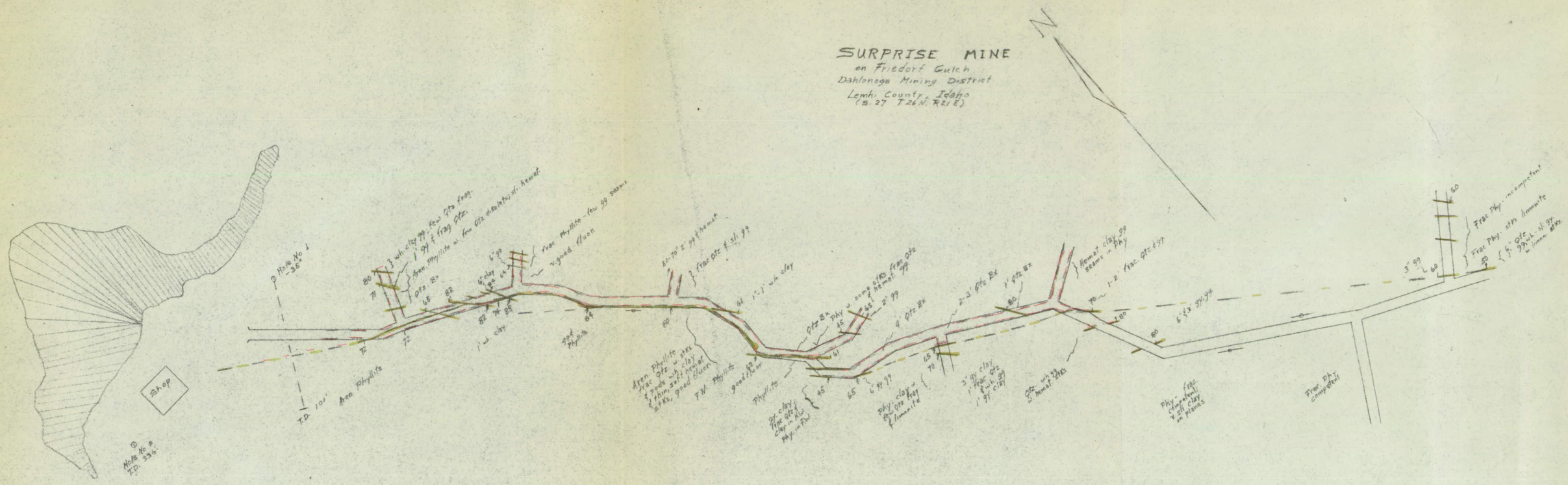
Figure 3



Plat Showing
Collar Locations of
Proposed Test Holes
No: 3, 4, 5, 6 & 7
and
previous work on
Friedorf Gulch
near
Gibbonsville Idaho
Scale 1" = 300'
C.A. Everett Oct. '57

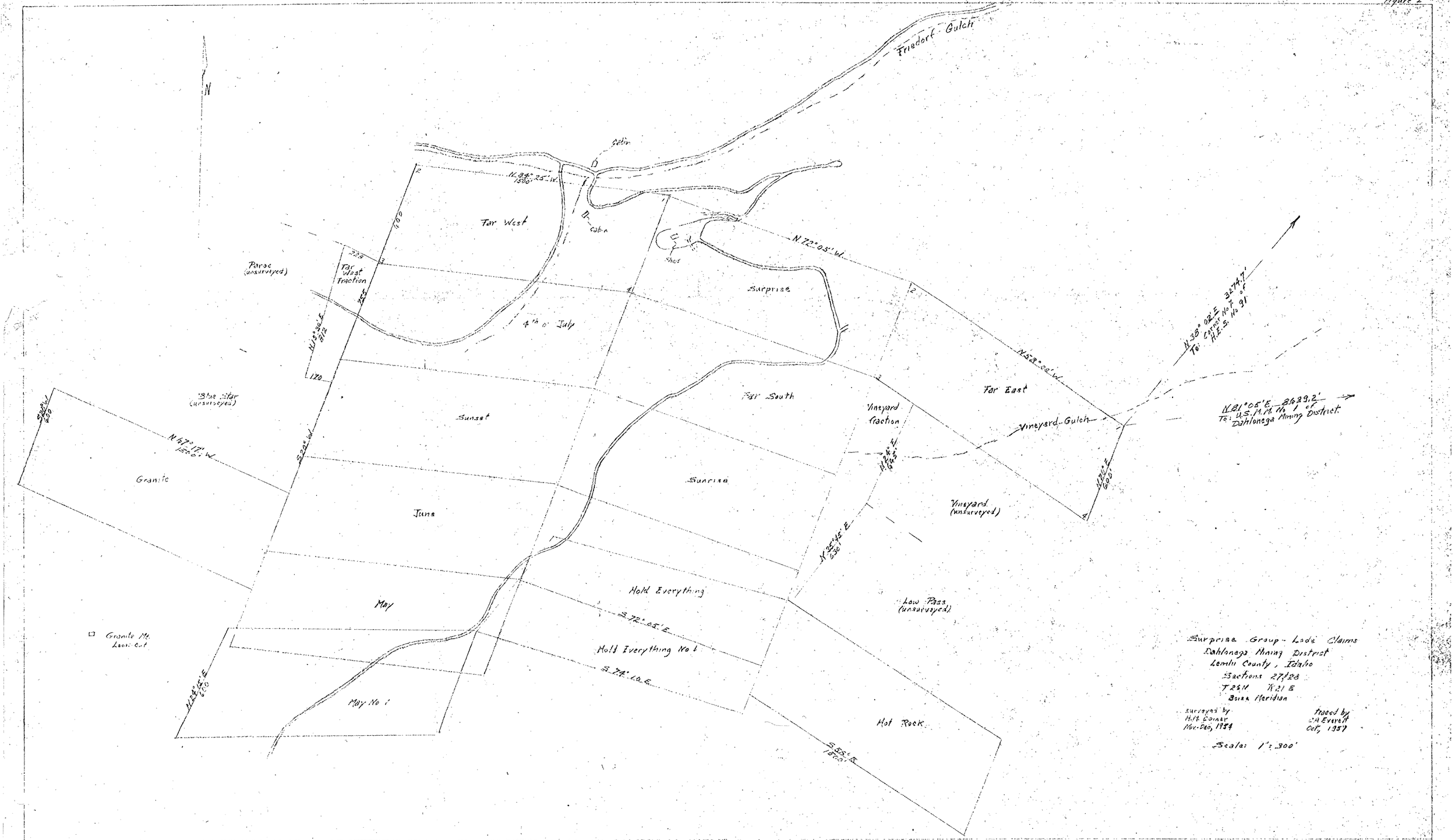
Figure 1


Montana
Ravalli County
Allenmt
Granite Mt
Triadat
Ditch Creek
Vetter Cr.
Gibbonsville
Hughes Creek
Hull Cr.
U.S. Hwy. No 93
Lemhi County
No. Fork Salmon R.
Salmon River
Carmen Cr.
Carmen
Salmon
Lemhi R.
No 93
Butte
Salmon
Boise
Idaho Falls
Idaho
Pocatello
Key Map
Location Plat
Mathis-Dean Property
Dahlonega Mining District
Lemhi County, Idaho
Sketch Scale
1: 250,000



Scale: 1" = 50'
Mapped by
Everett Shilterson
August, 1957

Figure 2



Surprise Group - Lode Claims
Dahlonega Mining District
Lemhi County, Idaho
Sections 27 & 28
T 24 N R 21 E
Boise Meridian

Surveyed by
H.H. Coiner
Nov-Dec, 1954

Mapped by
J.A. Everett
Oct, 1957

Scale: 1" = 300'