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

224 New Customhouse
Denver 2, Colorado

October 17, 1952

Memorandum

To: Administrator, Defense Minerals Exploration Administration
Attention: 210

From: Field Team, Region IV

Subject: Final Report, DMEA Docket 2627, (Lead) American Volunteer Mining & Milling Co., Utah County, Utah

Enclosed are four copies of the final report on DMEA-2627, two copies of Form 3b, and a copy of the letter of denial to the applicant.

John F. Shaw for
W. H. King

A. H. Koschmann
A. H. Koschmann

Enclosures

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Mining Division
Region IV

October 17, 1958

Memorandum

To: Field Team, Region IV

From: Acting Chief, Mining Division, Region IV

Subject: Final Report, DMEA Docket 8687, (Lead) American Volunteer Mining & Milling Co., Utah County, Utah

Enclosed are nine copies of the joint engineering and geologic report on DMEA-8687.

The applicant requested exploration aid in the amount of $11,900.

The field examiners were unable to inspect the underground workings on the property because the portals of the tunnels are caved. Investigation of the dumps and surface geology indicate little possibility of significant mineralization.

The examining team recommend that the loan request be denied and we concur in this recommendation.

John F. Shaw
John F. Shaw for
W. E. King

Enclosures

October 14, 1952

Memorandum

To: W. H. King, Acting Chief, Mining Division, Region IV

From: Chief, Utah-Wyoming Branch, Mining Division

Subject: DMEA-2627, American Volunteer Mining and Milling Co., Utah County, Utah

Enclosed are the original and 8 copies of a joint engineering and geologic report covering the American Volunteer Mining and Milling Co. property in the American Fork district, Utah County, Utah. A Summary, Conclusions and Recommendations section is also attached.

The examining team was unable to inspect the underground workings on the property because of caving at the portals. Investigation of the dumps and surface geology indicate little possibility of finding significant mineralization from exploratory work. It is recommended that the loan request be denied. I concur with this recommendation.

The original brochure is attached.

Stephen R. Wilson

Stephen R. Wilson

Enclosures 3

SUMMARY, CONCLUSIONS AND RECOMMENDATIONS

By Byron J. Sharp, C. G. Tillman, and M. M. Harcourt

The American Volunteer Mining and Milling Co. has applied for a DMEA loan of $11,500 to conduct exploration on property in the American Fork district, Utah County, Utah. Personnel of the Bureau of Mines and Geological Survey examined the property during September 1952 to appraise the loan proposals.

Rocks in the immediate area consist of quartzite and shale of Cambrian age which have been intruded by intermediate, fine-grained porphyry dikes of Tertiary age. Mine workings on the property are inaccessible, but examination of the dumps indicates that the workings penetrated only quartzite, shale and porphyry, with no apparent mineralization. No production has been recorded from the property.

It is concluded that little possibility exists that exploratory work will disclose a significant ore discovery on property of American Volunteer Mining Co. Recommendation is made, therefore, that the applicant's request for exploratory assistance be denied.

AMERICAN VOLUNTEER MINING AND MILLING CO.
UTAH COUNTY, UTAH
DMEA-2627
Lead

Engineering and Geologic Report

By Byron J. Sharp and C. G. Tillman,
Geologists, Geological Survey
and
M. M. Harcourt, Mining engineer
Bureau of Mines

AMERICAN VOLUNTEER MINING AND MILLING CO.
UTAH COUNTY, UTAH

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Fig. 1 Index map

INTRODUCTION

The American Volunteer Mining and Milling Co., with property in the American Fork district, Utah County, Utah, has applied for a DMEA loan of $11,500 under docket 2627. The company is incorporated under the laws of Utah.

An examination was requested by the Field Team, Region IV, to appraise the merit of the property and determine the feasibility of the proposed exploration. The examination was conducted during September 1952 by Byron J. Sharp and C. G. Tillman of the Geological Survey and M. M. Harcourt of the Bureau of Mines.

LOCATION, TOPOGRAPHY AND PHYSICAL FEATURES

Property of the American Volunteer Mining and Milling Co. lies on the west side of the Wasatch Range, approximately 20 miles northeast of the farming community of American Fork, Utah County, Utah. The property is reached from American Fork by traveling 4 miles north on Utah State Highway U-74, thence east 7 miles on Utah State Highway U-80, thence 7 miles northerly on graveled road following the north fork of American Fork Canyon to the mouth of Mary Ellen Gulch. A steep, rocky road on the southeast side of the gulch, traversable only by four-wheel-drive vehicles, provides near access to the property approximately 1-1/2 miles above the north fork of American Fork Canyon. The property covers parts of Sec. 33, T. 3 S., R. 3 E., S.L.B. and M.

Altitudes in the vicinity of the property vary from 7,600 to 9,000 feet. Mary Ellen Gulch, which trends northwest from the north fork of American Fork Canyon, exhibits rugged topography, the gently

dipping sediments on either side of the gulch having abrupt slopes which in the more resistant quartzite terminate in vertical faces parallel to the strike of the gulch.

A persistent stream heads above the Yankee mine to the northwest, flowing the length of Mary Ellen Gulch, and emptying into American Fork Creek.

The upper slopes in the area are covered with various types of low shrubbery--chokecherry, elderberry, and scattered pines. The lower slopes and canyon bottom are covered with thick stands of aspen.

HISTORY AND PRODUCTION

Total ore production from the American Fork district is estimated at 134,024 tons. The three most notable producers have been the Yankee, Miller, and Wild Dutchman properties (U.S.G.S. Professional Paper 201). No production has been recorded from the American Volunteer claims. A small placer operation was attempted in 1945, apparently with little success.

OWNERSHIP AND EXTENT

American Volunteer Mining and Milling Co. property consists of six patented, and, according to the property map accompanying the application, eight claims held by location which are part of the claims listed in the application under "notice to hold."

GEOLOGY AND ORE DEPOSITS

The area is underlain by quartzite and shale of Cambrian age which have been intruded by intermediate, fine-grained porphyry dikes of

Tertiary age. The sedimentary rocks strike northeast and dip about 30° to the southeast. A normal fault of undetermined displacement is present just south of the mine workings, and appears to have thinned the quartzite. The Silver Fork fault, which strikes north and dips steeply west, is approximately 1/2 mile to the west of the workings. This fault is normal with considerable displacement, but it has not been mineralized to any extent in the mine area.

The mine workings are inaccessible. Only fragments of quartzite, shale and porphyry were found on the dump. It is concluded that no ore was encountered in the workings. The property has no production record.

ORE RESERVES

No ore reserves are present on the property.

PRESENT STATUS

The application lists five adits on the property but only two were found at the time of examination. Both are inaccessible because of caved portals, and the growth of brush as a result of years of inactivity. There is no equipment on the property.

CONCLUSIONS AND RECOMMENDATIONS

Although the underground workings of the American Volunteer Mining and Milling Co. are inaccessible, and subsurface examination is not possible, no evidence of mineralization is present in the mine dumps. Only fragments of quartzite, shale, and porphyry were found in the dumps. No mineralization is exposed at the surface.

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WASHINGTON 25, D. C.

[illegible] New Customhouse
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UTAH COUNTY, UTAH
DMEA-2627
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Bureau of Mines

AMERICAN VOLUNTEER MINING AND MILLING CO.
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11.20

Mr. Mittendorf:

Mr. J. F. Hines called about American Volunteer Mining & Milling Co. Please call him back.

Tel. NO. 0517

Letter part Sept.

FRANK T. HINES, JR.
P. O. Box 12414, Los Angeles 64, California

INTERIOR DEPT.
SECRETARY'S
MAIL CENTER
AUG 18 1952
TO MINES

August 12, 1952

Mr. Mastin G. White, Acting Assistant Secretary
United States Department of the Interior
Washington 25, D. C.

Dear Mr. Mastin:

Thank you very much for your nice letter. I am writing the General tonight and shall forward your communication.

He is about due to arrive in Salt Lake City for a few days before his departure for Washington.

Last week I received a letter from Mr. Adams, notifying me of the assignment of the application to Denver, and giving the other pertinent details involved.

To date, no inquiries have arrived from DMEA in Denver.

If I run into something difficult to answer, I shall avail myself of your kind offer. Many thanks.

Sincerely yours,

Frank T. Hines, Jr.

Frank T. Hines, Jr.

Docket Number DMEA-2627
American Volunteer Mining & Milling Co.
Salt Lake City, Utah

FRANK T. HINES, JR.

P. O. Box 12414, Los Angeles 64, California

August 12, 1952

BV

Mr. Robert E. Adams, Chief
Operation's Control and
Statistics Division
Department of the Interior
Washington 25, D. C.

Subject: DMEA-2627
Re: Exploration Loan
American Volunteer Mine

Dear Mr. Adams:

This will acknowledge your letter of July 28, 1952 re assignment of DMEA-2627 to Region IV, and its being referred to Mr. W. H. King, Executive Officer, in Denver.

Thank you for the information, Mr. Adams.

Sincerely yours,

Frank T. Hines, Jr.

Frank T. Hines, Jr., President
American Volunteer Mining & Milling Co.

Subject: DMEA-2627
Re: Exploration Loan
American Volunteer Mine
July 28, 1952

Mr. Frank T. Hines, Jr., President
American Volunteer Mining
& Milling Co.
Box 12414
Los Angeles 64, California

My dear Mr. Hines:

This will acknowledge receipt of your application dated July 20, 1952, for a loan under the Defense Production Act of 1950.

Your application was assigned Docket Number DMEA-2627 and referred to Mr. W. H. King, Executive Officer, DMEA Field Team, Region IV, Bureau of Mines, 224 New Customhouse Building, Denver 2, Colorado.

Kindly refer to DMEA-2627 in any future correspondence relating to your application.

Sincerely yours,

ROBERT E. ADAMS

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

Delivered Mail

Sec: Proposed agenda

9/25/02

Attached has to

Commander, [illegible] (Legal - [illegible])

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

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. DMEA-2627
Metal or Mineral
Date Received 2-25-52
Estimated Cost
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: AMERICAN VOLUNTEER MINING & MILLING CO. (a Utah Corporation)

Box 12414, Los Angeles 64, California

(*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. See page 1, attached.

(*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 Surveys 6894 and 7131 of American Fork Mining Dist., Alpine School District, T.2 3, R. Range 3, S. Salt Lake Meridian, Utah County, Utah. Property: Patented claims: American Volunteer West, Am. Vol. No. 5, Utah Vol. No. 2, Utah Vol., Roosevelt, Am. Vol. East. Unpatented claims: See page 1, attached.

(*b*) State any mine name by which the property is known. Same as in "1", above.

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

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

(*e*) If you own the land, describe any liens or encumbrances on it Only the common stock issued, of which approx. 135,000 shares are outstanding of a 500,000 share authorized capitalization.

(*f*) If the land consists of unpatented claims, add to the description above, the book and page numbers for each recorded location notice. See page 1, attached.

4. *Physical description.*—(*a*) Describe in detail any mining or exploration operations which have been or now are being conducted upon the land, including existing mine workings and production facilities. State your interest, if any, in such operations. Also describe accessibility of mine workings for examination purposes. See pg. 2, attached.

(*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. See page 2, attached.

(*d*) State the facts with respect to the accessibility of the project: Access roads, distances to shipping, supply and residence points. See pg. 2, attached - last few sentences of 4 (a).

(*e*) State the availability of manpower, materials, supplies, equipment, water, and power. All of these are readily available, with water on the property, and electricity one mile to the S. W. from the center of the claims. (On Butchman Mine property. Permission for its use already granted by H. W. Holden.)

16—66551-1

5. *The exploration project.*—(*a*) State the mineral or minerals for which you wish to explore Lead, zinc, iron; (copper, silver, gold) (Lead is leading mineral of area, frequently as high as 65%)

(*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. See page 4, attached.

(*c*) The work will start within 60 days and be completed within 24 months from the date of an exploration project contract. (depending upon time of year contract granted, and weather conditions.)

(*d*) State the operating experience and background of the applicant with relation to the ability to carry out such exploration project, and also that of the person or persons who will supervise the operations. See page 4, attached.

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: See pg. 5.

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

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

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

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

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

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

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

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

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

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

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

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

Explain in detail on acompanying paper. If equip. appropriate.

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 July 20, 1952.

[illegible] VOLUNTEER MINING & MILL CO.
(Applicant)

By Frank T. Hines, Jr. President.

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

AMERICAN VOLUNTEER MINING & MILLING CO., BOX 12414, LOS ANGELES 64, CALIFORNIA

1. (c) Pres., Director: Frank T. Hines, Jr., 10855 Weyburn Ave., Los Angeles 24, Cal. Vice-Pres., Director: Gen. Frank T. Hines, 3133 Connecticut Ave., Washington, D.C. Sec'y. Treas., Director: C.I.Thatcher, 73 South 4th East, Salt Lake City, Utah. Director: J. K. Beach, Liquid Carbonic Corporation, Dallas, Texas. Director: Arthur E. Vier, 606 Tenth Avenue, Salt Lake City, Utah.

3. (a) and 3. (f) Unpatented claims:

NAME OF CLAIM	BOOK	PAGE
45th Star	B	370
American Volunteer #8	162	119
" " #9	175	72
" " #61	175	70
" " #62	175	70
Amer. Vol. #8 Extension	175	71
Last Effort	78	49
" " #3	75	527
Mystery Solved	158	341
Sentry Placer	325	234
Sergeant Placer	325	233
Sergeant Placer #1	325	234
Corporal Placer	325	233
Corporal Placer #1	325	233
Coolidge	256	332
Veteran	256	332
Knew It Was There	107	101

The above claims most recently stated in "Notices to Hold", etc., but the following have also been filed through the years:

Mystery Solved Extension	162	119
Sultana	158	166
Fraction Extension	158	166
Fraction #2	78	70
Forest #3	B	370
American Vol. South	107	247
Sand Carbonate Extension	158	164
American Volunteer	40	521
American Volunteer #2	78	19
" " South Extension	158	165
Last Effort #4	78	638
Roosevelt Extension	107	625
Last Effort Extension	78	70
Progressive Stage	57	251
Lonely Prospector Millsite	75	292
Knew It Was There "	39	609

Book and page for the following claims not available at present writing: Midas Placer, Stag-ite, R.P. Bland Lode, Sand Carbonate, Silver Lick, Lonely Prospector, Day & Night Dream, Iron #4, Dora Extension, New State, and Fraction.

4. (a). The property is inactive at this time, and never has been operated upon a large scale. It consists, instead, of five tunnels, one driven years ago a distance of 135', and a probable total of 10,000 cu.ft. moved. Some of these tunnels are now caved. Except for a temporary spell of work (placer) in 1947, most of the effort was of an exploratory nature, supporting the one man (Ed Hines) who did the bulk of the work. (From 1896). Production facilities,(except for a Denver -Mineral Jig still on the property since 1947 and available for use now if so indicated after survey) are nil. Water and electricity are available, as is housing, close by. Accessibility to the property itself is simple -via thirty minutes of paved highway from Salt Lake City and a good gravel road up the American Fork Canyon to Dutchman Flat. The narrow road up the east side of Mary Ellen Gulch to the claims periodically requires clearing of large rocks, but only upon a short stretch of its 1½ mile length. Distance to shipping, to residence (other than at Dutchman Mine housing), and to supplies: Alpine, ten miles; American Fork City, approximately 20 miles.

(b). See 4.(a). Not exactly applicable.

(c). For general geologic features, please refer to "Geology and Ore Deposits of the Cottonwood-American Fork Area, Utah", Geological Survey Paper 201, and to Plates 3 and 4 of this.

Generally speaking, from the nature of adjacent properties, it would appear that this property will have mineralization in deposits bedded, and veins, as well as placer. Outcroppings are common, one of which yielded(1951)a large chunk of galena. The Roosevelt claim discovery, for example, started out under a ledge of blue lime, then ran into a lot of iron, of which we have some samples. This tunnel, run in only 20', is now caved, but would warrant re-working. Reasons for wishing to explore can better be judged from the following:

(and on next page)-

".....in addition to the fact that Mary Ellen Gulch has been a sluiceway for eons for the products of erosion from areas of famous mines to the east and north, as indicated by sampling the alluvial matter, the American Volunteer property's proximity to such lead-silver producers as the Dutchman, only a half mile southeast, and the Miller Hill property just to the east, would indicate thorough exploration for the extension of such mineralization into its ground. Referring to the geology set forth in pages 137 through 140, of "Geology and Ore Deposits of the Cottonwood-American Fork Area, Utah", Geological Survey Paper 201, it would appear that there is a possibility of intercepting the Silver Fork Fault, which probably passes from the Yankee Mine at the north, down Mary Ellen Gulch to the Dutchman Mine, as suggested at the top of page 138.(At hand is a sample believed to be from an extension into Mary Ellen Gulch from the area mentioned at bottom page 142- top page 143.)

Continued next page.....

AMERICAN VOLUNTEER MINING AND MILLING CO., BOX L"L

4.(c).cont.

Quoting from Ludlow B. Glafcke, mining engineer: ".....I panned samples from holes dug along Mary Ellen Creek. (45th Star and Knew It Was There claims). The concentrates contain black sand sulphides of iron and copper, and free gold." He continues, "The general location of the property is such as to warrant prospecting and development work along the several faults (fault zones) and bedded outcroppings exposed on the property. The geological position of the property is such that it is reasonable to assume that the ore-producing fissures entering this property from the presently-producing properties carry commercial deposits of ore. The property is ideally located from a mining standpoint, with the natural resources available for mining purposes on the property."

Mr. Glafcke, after many inspection trips to the property, advises the drilling of various test holes, sampling of ore therefrom, and the determination from these of the depth and width of mineralization below, with the aim in mind of hitting the Dutchman ore extension into American Volunteer property. He also advises the milling of existing values in the alluvial deposits of the area, citing the values he recovered in lead, silver, and gold from the "45th Star" and "Knew It Was There" claims. It is felt that recovery of these values can help cover other costs of development, subsequently indicated, and after initial exploration findings made possible through DMEA aid.

It would almost appear, from the once-prosperous and recently-prosperous areas more or less adjoining the Volunteer property, that all the Volunteer ever has needed is sufficient expert exploration beyond the original discoveries. In the opinion of Frank L. Hines, who had wide experience in the development of mining -properties, the American Volunteer holds considerable promise; considerably beyond the fact that it supported his brother, Ed Hines, for manyyears from the results of a small scale operation.

5. (b). Work proposed: If it is possible to secure the aid of a Bureau of Mines Geological Survey Team, endeavor to determine the likelihood of striking the Miller Vein on the east of the American Volunteer property, either by drilling tests, or possibly from re-driving tunnel #4, which at present is caved, and also to try to sink on the extension of the Dutchman ore into A.V.M.&M. ground, after a preliminary survey by above Team, and drill tests, on portion of the property to the southeast, or other points indicated by the examination that could yield strategic minerals for stockpiling.

Examination of the area by drill tests in the northern portion of the property, to determine whether or not values do extend there from the area of the Yankee Mine; location of the Silver Fork fault.

Determine the best operation for the recovery of the lead, gold, and iron values in surface sulphides - if sampling warrants, and ascertain from wide surface sampling whether gold values present are sufficiently good to help bear the cost of recovering strategic minerals in other deposits.

Determine extent of orebody from outcropping along southwest property line.(Source of galena sample).

Clear road up east side of Mary Ellen Gulch, and possibly rough out a road up the gulch just west of Mary Ellen Creek, to more easily reach the alluvial deposits.

(d). Gen. Frank T. Hines, Vice President of the Company began mining experience in 1896, and has kept up contact with the industry since, although unable to actively pursue personal interests because of Government service,

James K. Beach, a Director of the Company, is a graduate of the School of Mines, Rolla, Missouri, although largely interested in oil properties at the present.

Frank T. Hines, Jr., President of the Company, is a sound technician in the motion picture industry, and an electronic survey-instrument builder and experimenter.

In general, applicant will be guided by preliminary findings of survey, with subsequent advice from mineral surveyors and mining engineers of the area who are well acquainted with the geology thereabouts, and qualified to supervise the exploration work. It is contemplated to engage com--petent engineering assistance from Salt Lake City well acquainted with the area,(unless other persons are recommended by someone connected with Bureau of Mines Survey Team). Applicant is known to persons who already have surveyed or operated properties in the vicinity, such as: Robert Gorlinski, Willard Cleghorn, M. A. Bourne.

6. ESTIMATES OF COSTS: (For the three month period, Aug., Sept., Oct., 1952):

(a). Not entirely applicable at this time, inasmuch as predominant type of work to be done,(to be recommended by Survey Team?), not yet specified. An estimate of general nature would be in the neighborhood of.... $ 2,000.

(b). Pay: Engineers, $3,000., others: $1,000.(4 persons)..... 4,000.

(c). 4 folding cots, bedding, misc. household items..$ 150.
Rental housing, food, gasoline, fuel, etc., 1,000.
Power.....for all purposes..... 500.
$ 1,650. 1,650.

(d). Drilling equipment, rental; compressor, rental; bulldozer, jeep, rentals;(if specified after survey); Denver Mineral Jig (6-8 cu. yd.)to be furnished by applicant at $25 per day allowance, if its use is specified after survey. Estimate, excluding Denver Jig...for 3 months..... 3,000.

Note: Item (c), above, includes picks, shovels, etc., also.

(e). Not entirely applicable, with possible exception of applicant's Denver Jig. This needs some rust removal, minor repairs, oiling, etc.

(f). Housing to be rented from adjacent mine. See Item (c), above. Possible additional electric wiring..... 50.

(g). Assaying, analytical work, etc., $200.
All insurance coverage..... 100.
Payroll taxes..... 100. $400. 400.

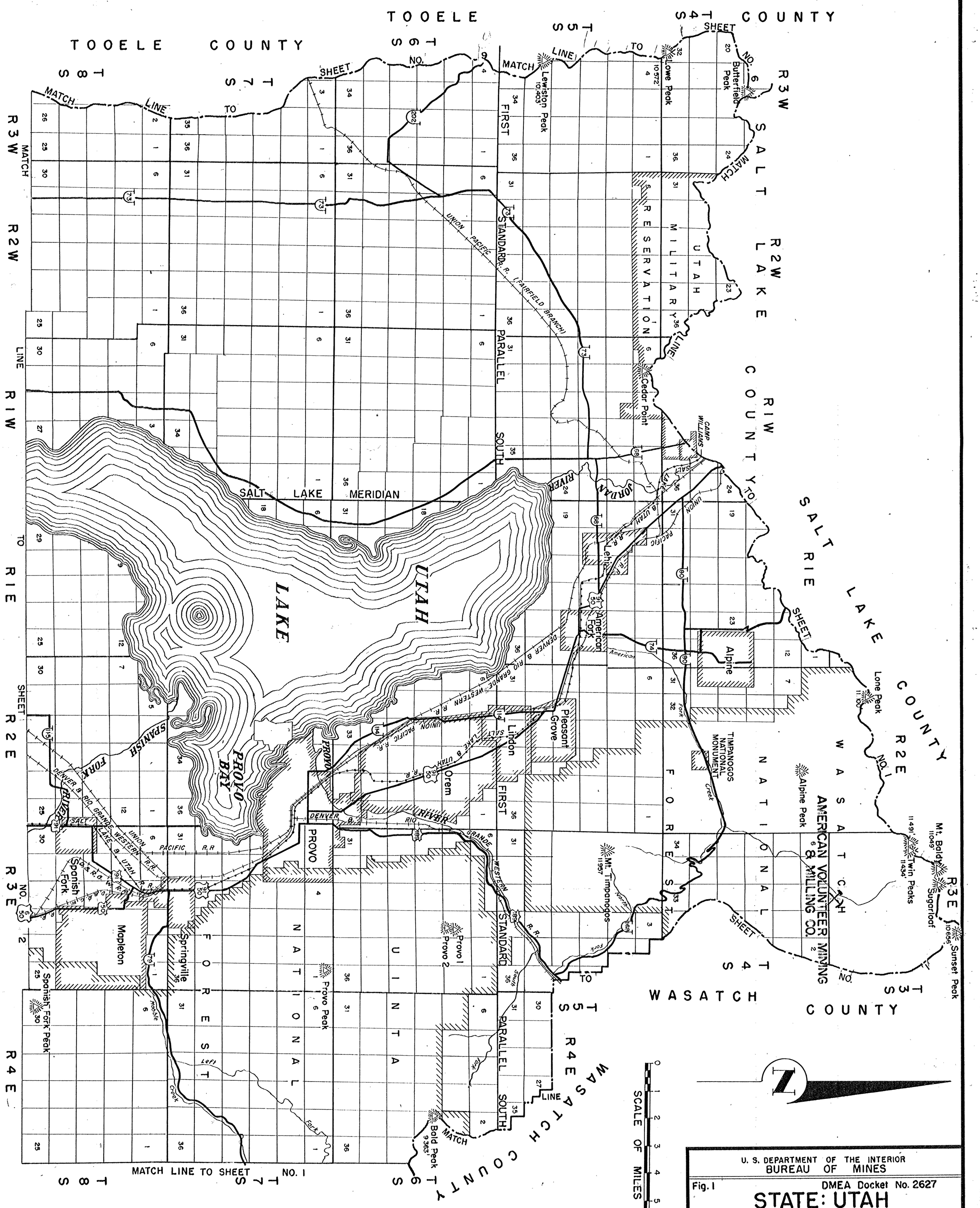
(Accounting: no charge; applicant will do this in informal item-by-item fashion.)

(h). Allowance for contingencies.....$400. 400.

Total $ 11,500.

7. (a). Yes.

(b). Applicant's share of the cost to be furnished partially through use-allowance of Denver Jig, if its use is appropriate to the best interests of the exploration project, and through sale of sufficient company treasury stock.



U. S. DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Fig. 1

DMEA Docket No. 2627

STATE: UTAH

COUNTY: UTAH

Sheet 3 of 3

Location Map

ENGINEER: *M.M. Harcourt*	DATE: OCT. 7, 1952
TRACED: OCT. 7, 1952; BY: A.P.T.S.	1500 - 1104 - C
CHECKED:	