STANDARD FORM NO. 64

Office Memorandum • UNITED STATES GOVERNMENT

TO : E. Wm. Ellis, DMEA Member, Uranium Commodity Committee

DATE: May 3, 1954

Defense Minerals Administration
RECEIVED
MAY 4 - 1954

FROM : Arthur P. Butler, Jr., USGS Member, Uranium Commodity Committee

SUBJECT: Final Field Team Report, DMEA Docket 3002 (Uranium), T.Ungerman, R. Palmer, et al, applicants, Long Tree claims, Emery County, Utah

The final Field Team report concerning Government assistance for exploration of the property identified above has been reviewed.

The examining members of the Field Team recommended denial of the application because drilling by the Atomic Energy Commission in the area that the applicant proposed to explore failed to find any ore and only some weakly mineralized rock. The Field Team believed that the results of drilling by the Atomic Energy Commission indicated little chances of finding significant reserves of uranium ore.

I concur with the conclusions reached by the examining members of the Field Team and the action of them in denying this application.

Arthur P. Butler, Jr.

Copies to: E. Wm. Ellis (2)

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

224 New Customhouse
Denver 2, Colorado

April 9, 1954.

Memorandum

To: Administrator, Defense Minerals Exploration Administration
Attention: 200

From: Field Team, Region IV

Subject: Report of Examination - DMEA Docket 3002 (Uranium), Lone Tree Mines, Emery County, Utah.

Enclosed are four copies of the report of examination on the subject docket, a copy of the letter of denial to the applicant, and two copies of Form 3b.

W. H. King
W. H. King

A. H. Koschmann
A. H. Koschmann

Enclosures

Reviewed by
DMEA OPERATING COMMITTEE
4-23-54
(date)

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

224 New Customhouse
Denver 2, Colorado

April 9, 1954.

Mr. Russell Palmer
Lone Tree Mines
Castle Dale, Utah

Re: Docket No. DMEA-3002

Dear Mr. Palmer:

Reference is made to your application for Government aid on the Lone Tree No. 1 claim.

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

A careful study of your property and data available to this agency reveals that the probability of disclosing mineable reserves of Uranium is not considered sufficiently promising to justify Government participation. Under these circumstances, we regret to advise that your application for exploration aid is denied.

Very truly yours,

/s/ W. H. King
Field Team, Region IV

/s/ A. H. Koschmann
Field Team, Region IV

HMC:cwm
cc: Docket
Administrator, DMEA
ERGordon
RPFischer
SRWilson
AHKoschmann
Ralph J. Roberts
Chron.

Reviewed by
DMEA OPERATING COMMITTEE
4-23-54
(date)

IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Defense Minerals Exploration Administration
Denver Federal Center
Denver 2, Colorado

April 6, 1954

Memorandum

To: DMEA Field Team, Region IV

From: A. H. Koschmann

Subject: DMEA Docket 3002, Lone Tree No. 1 Claim, Emery County, Utah

Enclosed are 11 copies of a memorandum report by R. P. Fischer of the U. S. Geological Survey covering the above docket.

It has been recommended that the application be denied.

A. H. Koschmann
Supervising Geologist
Colorado-Wyoming

Enclosures (11)

Reviewed by
DMEA OPERATING COMMITTEE
4-23-54
(date)

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
P. O. Box 360
GRAND JUNCTION, COLORADO

April 5, 1954

Memorandum

To: W. H. King and A. H. Koschmann, DMEA Field Team, Region IV

From: R. P. Fischer, Supervisor, Colorado Plateau District RPF

Subject: Memorandum report, DMEA 3002, Lone Tree No. 1 claim, Emery County, Utah

Messrs. Theo Ungerman, Lonel Jones, Bruce Magnussen, Russell Palmer, and Douglas Harrison applied (DMEA 3002) in 1953 for assistance to explore for uranium on the Lone Tree No. 1 claim, Emery County, Utah. The application was for $21,341.00 for 1,000 feet of drifting. Upon inquiry, it was found that AEC planned to drill this area, and so action on the application was deferred. This memorandum report summarizes the results of AEC drilling and recommends that the application be denied.

The application proposed drifting northward from the two mine workings shown by the "crossed pick and hammer" symbols on the accompanying map and to crosscut between these drifts. As this ground was tested by 7 of the AEC drill holes, 4 of which were barren and 3 of which cut very weakly mineralized rock, there appears little chance of finding significant reserves with the proposed drifting. For this reason it is recommended that the application be denied.

Incidentally, the ownership listed on the AEC map is not exactly the same as that indicated in the application and the claim locations are not exactly the same. It is not known which source of information is correct.

RPF/mlr

Reviewed by
DMEA OPERATING COMMITTEE
4-23-54
(date)

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
P. O. Box 360
Grand Junction, Colorado

June 24, 1953

Memorandum

To: A. H. Koschmann

From: R. P. Fischer

Subject: DMEA Docket 3002, Lone Tree Mines, Emery County, Utah

Transmitted herewith are eleven copies of a report regarding the application of Lone Tree Mines for a DMEA loan to explore for uranium on the Lone Tree No. 1 claims, Emery County, Utah. The applicant proposes 1,000 feet of exploratory drifting, at an estimated cost of $21,341.00.

A cursory examination of land records available in Grand Junction shows that the area of the Lone Tree No. 1 claim is covered by a Petroleum Reserve (No. 25), but it is our understanding that this reserve does not invalidate the claim

Because AEC plans to do exploratory drilling in ground that would be tested by the drifts proposed by the applicant, it is recommended that action on the application be deferred until the results of AEC drilling is known.

As I wrote the attached report, need I say that I concur with the author's recommendation!

R. P. Fischer

R. P. Fischer
Acting District Supervisor
Colorado Plateau District

Enclosure(11)

RPF/ars

UNITED STATES

DEPARTMENT OF THE INTERIOR

DOUGLAS McKAY, SECRETARY

DEFENSE MINERALS EXPLORATION ADMINSTRATION

REPORT OF INVESTIGATION BY FIELD TEAM

REGION IV

DMEA 3002 (Uranium)

Lone Tree Mines, Emery County, Utah

By

R. P. Fischer
U. S. Geological Survey

June 24, 1953

INTRODUCTION AND SUMMARY

Messrs. Theo Ungerman, Lonel Jones, Bruce Magnussen, Russell Palmer, and Douglas Harrison, who have an unspecified interest in the Lone Tree Mines, have applied (DMEA 3002) to the Defense Minerals Exploration Administration for a loan to explore for uranium on the Lone Tree No. 1 claim, Emery County, Utah. The application is for $21,341.00 and proposes 1,000 feet of exploratory drifting (see accompanying map). These drifts would test unexplored ground ahead of workings of small mines.

As the Atomic Energy Commission plans to do exploratory drilling during the summer of 1953 in the ground that would be tested by the drifts proposed by the applicant, it is recommended that action on the application be deferred until the results of AEC drilling is known. This recommendation is made on the basis of information obtained from AEC, and with their concurrence; no field examination has been made by the Geological Survey.

GEOLOGY AND ORE DEPOSITS

The uranium deposits on the Lone Tree No. 1 claim are reported to be in the Shinarump conglomerate, which is the principal ore-bearing formation in the central part of Utah. No information is available regarding the attitude of the Shinarump in this area, but the beds are assumed to be flat-lying or essentially so.

At least two small deposits that were found at the outcrop on the Lone Tree No. 1 claim have been mined (see accompanying map), and the map accompanying the applicant's brochure indicates the presence of "U_3O_8" at other places along the outcrop. According to AEC production records, this claim has yielded 56 tons of ore averaging about 0.20 percent U_3O_8 and 0.05 percent V_2O_5. Individual shipments (truck-load lots) ranged in grade from 0.12 to 0.42 percent U_3O_8.

AEC APPRAISAL AND PLANS

The following statement of AEC appraisal of the area and plans for exploration is quoted from a recent informal memorandum from R. L. Akright, AEC field geologist, to R. J. Wright, Acting Chief, Geologic Branch Exploration Division. A map attached to Akright's memorandum accompanies this report.

> "In reply to your request for information on the Long Tree I am submitting a tracing taken from the Calf Mesa map. With the use of rim information and mine observations I have projected behind the rim areas I consider "Slightly Favorable"(yellow), "Favorable"(blue), and "Most Favorable"(red). Tentatively, the drilling plan calls for a row of holes spaced approximately 60 feet apart along the "Most Favorable" and "Favorable" rim with this spacing projected behind the rim for three rows of holes. Upon encountering ore we will drill offsets and attempt to follow it. If on the other hand we should find little or no ore we will study the hole information and use it as a guide for wide spaced investigative drilling in the "Slightly Favorable" areas."
>
> ".....several months ago..... Ken Rogers and I conferred on the information we had gathered from their workings. We concluded that at the present time the mine doesn't look too good. However, the ore trends in the mine with relationship to regional sedimentary trends suggest a good possibility of an ore body farther behind the rim."

APPLICANT'S PROPOSED EXPLORATI

On the accompanying map, which was copied from Akright's map, have been added lines to indicate approximately the plan of drifting proposed by the applicant as shown by a sketch map accompanying the applicant's brochure. Unfortunately the two maps do not have the same base, so that an accurate representation of the applicant's proposed drifts cannot be shown on Akright's map. It is clearly evident, however, that the applicant proposes to drift in the same ground that is planned for AEC drilling.

RECOMMENDATIONS

Because the AEC plans to do exploratory drilling in ground that would be tested by drifts proposed by the applicant, it is recommended that action on the application be deferred until the results of AEC drilling is known.

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

224 New Customhouse
Denver 2, Colorado

April 9, 1954.

Mr. Russell Palmer
Lone Tree Mines
Castle Dale, Utah

Re: Docket No. DMEA-3002

Dear Mr. Palmer:

Reference is made to your application for Government aid on the Lone Tree No. 1 claim.

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

A careful study of your property and data available to this agency reveals that the probability of disclosing mineable reserves of Uranium is not considered sufficiently promising to justify Government participation. Under these circumstances, we regret to advise that your application for exploration aid is denied.

Very truly yours,

W H King
W. H. King
Field Team, Region IV

A H Koschmann
A. H. Koschmann
Field Team, Region IV

HMC:cwm

cc: Docket
Administrator, DMEA
ERGordon
RPFischer
SRWilson
AHKoschmann
Ralph J. Roberts
Chron.

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

224 New Customhouse
Denver 2, Colorado

April 9, 1954.

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W H King
W. H. King

A. H. Koschmann
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Enclosures

IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Defense Minerals Exploration Administration
Denver Federal Center
Denver 2, Colorado

April 6, 1954

Memorandum

To: DMEA Field Team, Region IV

From: A. H. Koschmann

Subject: DMEA Docket 3002, Lone Tree No. 1 Claim, Emery County, Utah

Enclosed are 11 copies of a memorandum report by R. P. Fischer of the U. S. Geological Survey covering the above docket.

It has been recommended that the application be denied.

A. H. Koschmann

A. H. Koschmann
Supervising Geologist
Colorado-Wyoming

Enclosures (11)

Reviewed by
DMEA OPERATING COMMITTEE

(date)

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
P. O. Box 360
GRAND JUNCTION, COLORADO

April 5, 1954

Memorandum

To: W. H. King and A. H. Koschmann, DMEA Field Team, Region IV

From: R. P. Fischer, Supervisor, Colorado Plateau District RPF

Subject: Memorandum report, DMEA 3002, Lone Tree No. 1 claim, Emery County, Utah

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RPF/mlr

Reviewed by
DMEA OPERATING COMMITTEE

(date)

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C.
200 New Customhouse
Denver 2, Colorado

June 26, 1953

Memorandum

To: DMEA Field Team, Region IV

From: A. H. Koschmann

Subject: DMEA Docket 3002, Lone Tree Mines, Emery County, Utah.

Enclosed are 11 copies of the geologic report by R. P. Fischer of the U. S. Geological Survey covering the above docket.

It has been recommended that action on the application be deferred until the results of AEC drilling are known.

The brochure is enclosed.

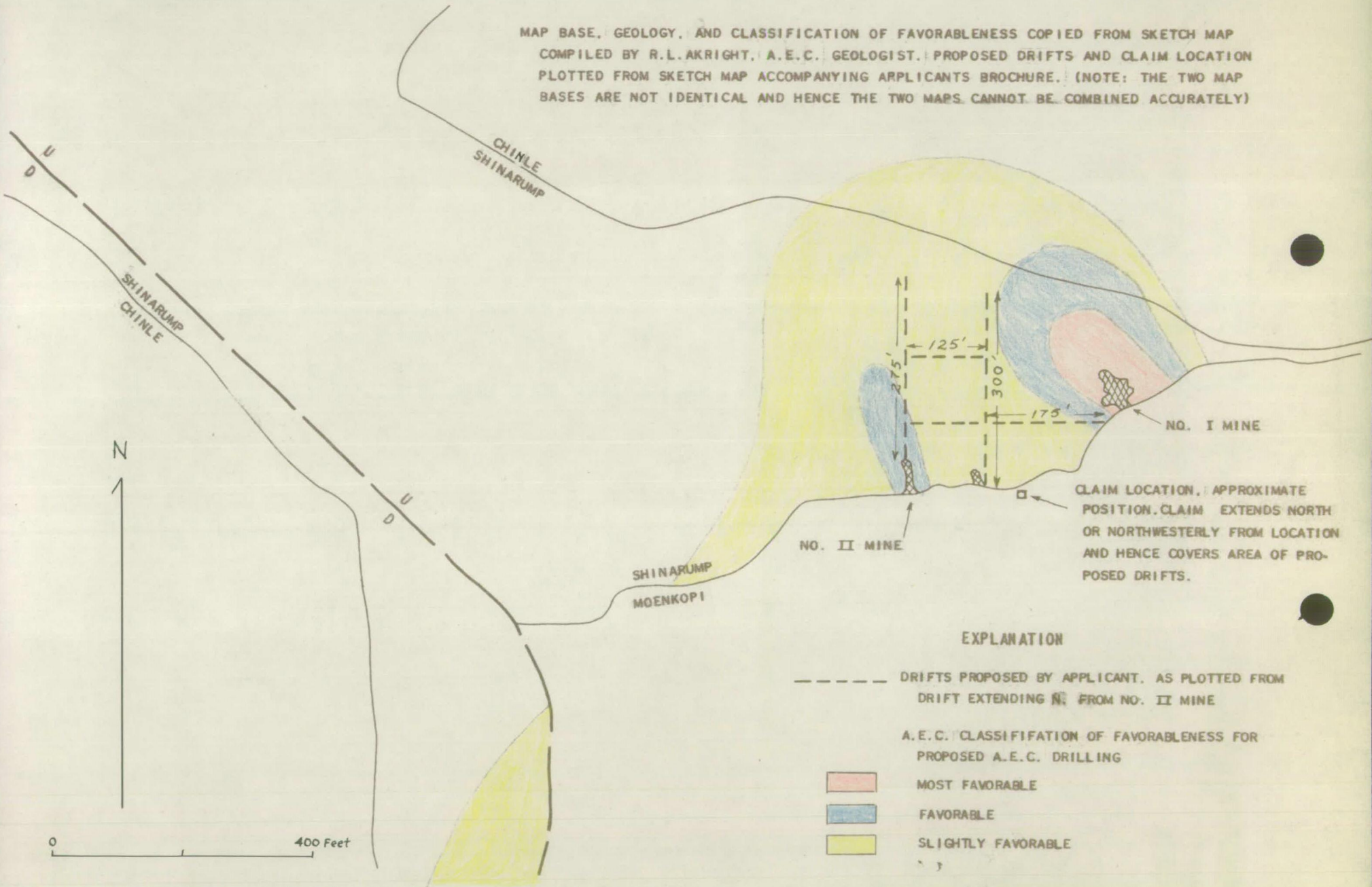
A. H. Koschmann
A. H. Koschmann
Supervising Geologist
Colorado-Wyoming

Enclosures (12)

U.S. DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

DEFENSE MINERALS EXPLORATION ADMINISTRATION
DOCKET 3002

MAP BASE, GEOLOGY, AND CLASSIFICATION OF FAVORABLENESS COPIED FROM SKETCH MAP COMPILED BY R.L. AKRIGHT, A.E.C. GEOLOGIST. PROPOSED DRIFTS AND CLAIM LOCATION PLOTTED FROM SKETCH MAP ACCOMPANYING APPLICANTS BROCHURE. (NOTE: THE TWO MAP BASES ARE NOT IDENTICAL AND HENCE THE TWO MAPS CANNOT BE COMBINED ACCURATELY)



SKETCH MAP OF LONE TREE NO. 1 CLAIM, EMERY COUNTY, UTAH

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C.
200 New Customhouse
Denver 2, Colorado

June 26, 1953

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P. O. Box 360
Grand Junction, Colorado

June 24, 1953

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To: A. H. Koschmann

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R. P. Fischer

R. P. Fischer
Acting District Supervisor
Colorado Plateau District

Enclosure(11)

RPF/ars

UNITED STATES

DEPARTMENT OF THE INTERIOR

DOUGLAS McKAY, SECRETARY

DEFENSE MINERALS EXPLORATION ADMINSTRATION

REPORT OF INVESTIGATION BY FIELD TEAM

REGION IV

DMEA 3002 (Uranium)

Lone Tree Mines, Emery County, Utah

By

R. P. Fischer
U. S. Geological Survey

June 24, 1953

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DEFENSE MINERALS EXPLORATION ADMINISTRATION
DOCKET 3002

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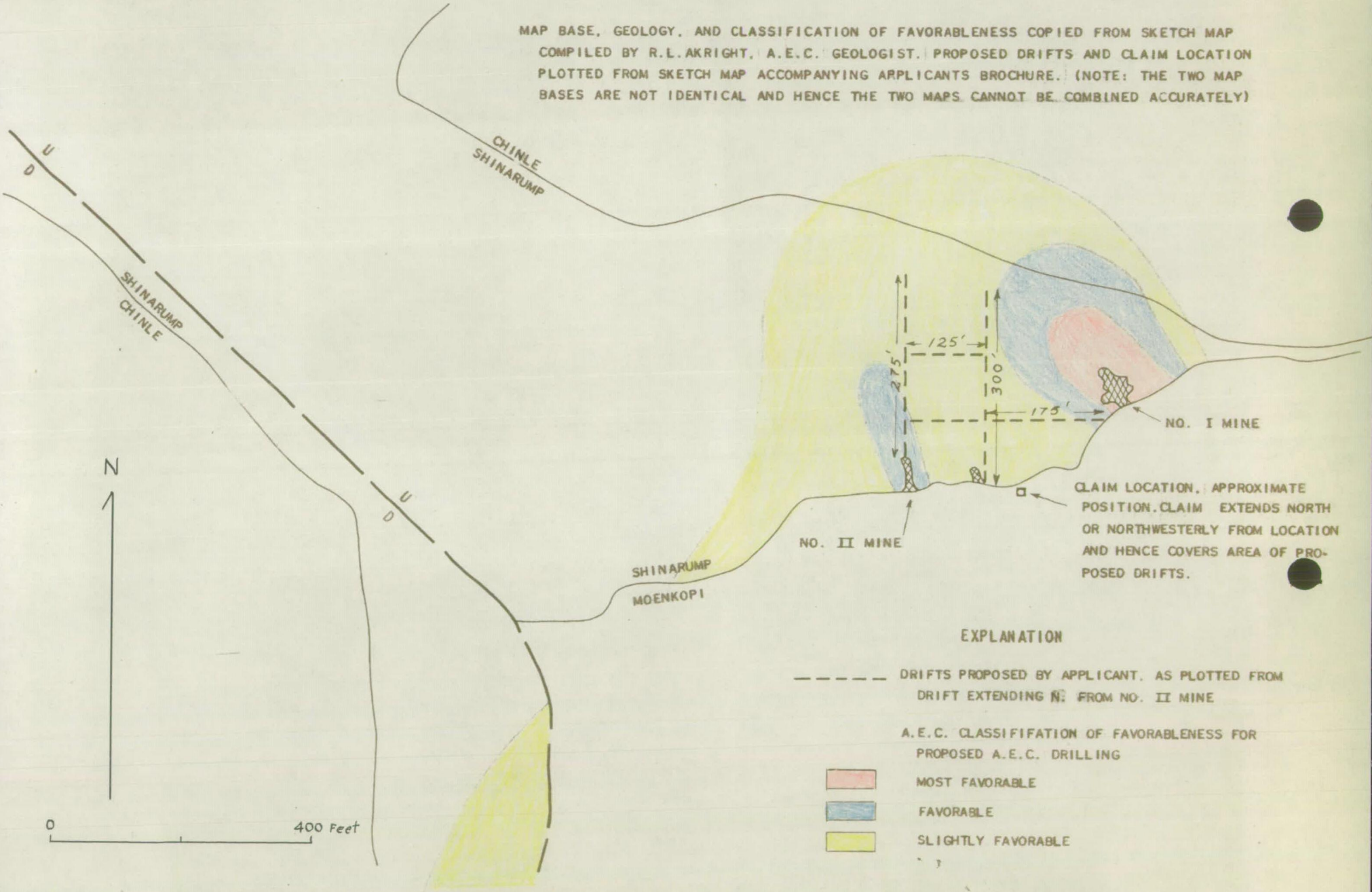

SKETCH MAP OF LONE TREE NO. 1 CLAIM, EMERY COUNTY, UTAH

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Adm
RECEIVED
JAN 22 1954

224 New Customhouse
Denver 2, Colorado

January 14, 1954

Memorandum

To: R. P. Fischer

From: Field Team, DMEA

Subject: Status of Docket No. DMEA 3002-Lone Tree Mines, Emery County, Utah.

This will acknowledge receipt of your memorandum dated January 12, 1954 on subject docket.

The docket will be held on an active status until we receive information from you regarding the results of the A.E.C. drilling and your recommendations.

W. H. King
W. H. King

A. H. Koschmann
A. H. Koschmann

HMC:es

cc: Docket
Mittendorf
Chron.
Wilson
Koschmann (2)

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

DEPARTMENT OF THE INTERIOR
RECEIVED
APR 27 1953

Form Approved.
Defense Budget Bureau No. 49-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-3002
Metal or Mineral
Date Received 4/27/53
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: Lone Tree Mines: Theo Ungerman, Lonel Jones, Bruce Magnussen, Russel Palmer Castle Dale, Utah and Douglas Harrison, Huntington, Utah

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

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

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

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

3. *Applicant's property rights.*—(*a*) State the legal description of the land upon which you wish to explore, including all land which you possess or control that may be benefited by the exploration, and excluding any land or interest in land which is not to be included in the exploration project contract

(*b*) State any mine name by which the property is known. Lone Tree Mines, Box 185, Castle Dale, Utah

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

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

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

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

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

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

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

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

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

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

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

(*c*) The work will start within 30 days and be completed within 16 months from the date of an exploration project contract.

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

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

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

(*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. $200.00

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

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

☐ Money ☐ Use of equipment owned by you ☒ Other

Explain in detail on acompanying paper. By furnishing manual labor.

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 April 15, 1953

Lone Tree Mines
(Applicant)

By Russell Palmer

Theo Ungerman

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

(C O P Y)

These papers, available in the Geological Library of the Grand Junction Exploration Branch of the U.S. Atomic Energy Commission are concerned with or contain information about the Lone Tree #1 and #2 claims and mines.

Preliminary Report on Some Uranium Deposits Along the West Side of the San Rafael Swell, Emery County, Utah by Mellard L. Reyner, October, 1950

Preliminary Reconnaissance Report on Lone Tree #1 Claim by J. O. Carter, November 5, 1952.

A geological investigation report with exploration recommendations on Calf Mesa is expected to be in the Geological Library by mid-summer.

[illegible]

[illegible] OF [illegible]

Little Falls No. II
Sec. 20 Township 23 South Range 11 East
Located 16th January 1951
Entry No. [illegible]
Recorded at request of Theo Ingerman
Recorded February 19, 1951 at 9:00 a.m. in Book [illegible]
Notices of Location Page 209 by Hallie D. Young
County Recorder, Emery County, Utah

Little Falls No. I
Sec. 20 Township 23 South Range 11 East
Located 16th January, 1951
Entry No. 70762
Recorded at request of Theo Ingerman
Recorded February 12, 1951 at 9:00 a.m. in Book J-9
Notices of Location Page 210 by Hallie D. Young
County Recorder, Emery County, Utah

Lone Tree No. I
Sec. 33 Township 20 South Range 11 East
Located 28th March, 1950
Entry No. 75232
Recorded at request of Theo Ingerman
Notices of Location Page 575 by Hallie D. Young
County Recorder, Emery County, Utah

Lone Tree No. II
Sec. 33 Township 20 South Range 11 East
Located 11th April 1950
Entry No. 75233
Recorded at request of Theo Ingerman
Recorded April 19, 1950 at 3:25 p.m. in Book J-8
Notices of Location Page 575 by Hallie D. Young
County Recorder, Emery County, Utah

Lucy Landing No. II
Sec. 33 Township 20 South Range 11 East
Located 28th March, 1950
Entry No. 75231
Recorded at request of Theo Ingerman
Recorded April 19, 1950 at 3:15 p.m. in Book J-8
Notices of Location Page 594 by Hallie D. Young
County Recorder, Emery County, Utah

LIST OF CLAIMS CONTINUED

Hard Pan III
Sec. 33 Township 20 South Range 11 East
Located 17th April, 1950
Entry No. 75253
Recorded at request of L. T. Hunter
Recorded April 21, 1950 at 1:10 p.m. in Book J-8
Notice of Locations Page 605 by Nellie D. Young
County Recorder, Emery County, Utah

Hard Pan II
Sec. 33 Township 20 South Range 11 East
Located 17th April, 1950
Entry No. 75252
Recorded at request of L. T. Hunter
Recorded April 21, 1950 at 1:05 p.m. in Book J-8
Notices of Location Page 590 by Nellie D. Young
County Recorder, Emery County, Utah

Hard Pan I
Sec. 33 Township 20 South Range 11 East
Located 17th April, 1950
Entry No. 75251
Recorded at request of L. T. Hunter
Recorded April 21, 1950 at 1:00 p.m. in Book J-8
Notices of Location Page 590 by Nellie D. Young
County Recorder, Emery County, Utah

Polo in Book No. 1
Sec. 33 Township 20 South Range 11 East
Located 19th February, 1951
Entry No. 76605
Recorded at request of Theo Ungerman
Recorded February 19, 1951 at 9:15 a.m. in Book J-9
Notices of Location Page 221 by Nellie D. Young
County Recorder, Emery County, Utah

Polo in Book No. II
Sec. 33 Township 20 South Range 11 East
Located 19th February, 1951
Entry No. 76606
Recorded at request of Theo Ungerman
Recorded February 19, 1951 at 9:10 a.m. in Book J-9
Notices of Location Page 221 by Nellie D. Young
County Recorder, Emery County, Utah

Polo in Book No. III
Sec. 33 Township 20 South Range 11 East
Located 19th February, 1951
Entry No. 76607
Recorded at request of Theo Ungerman
Recorded February 19, 1951 at 9:05 a.m. in Book J-9
Notices of Location Page 221 by Nellie D. Young
County Recorder, Emery County, Utah

INSTRUCTIONS NO. 4

Physical Description:

(a) Two drifts of approximately 35 feet each have been driven. (refer to sketch) No. I Mine and No. II Mine

(b) No. I Mine produced about 35 tons of ore (U_3O_8) ranging in quality from .23 to .42 and has approximately 20 tons of the same ore on the side walls which can't be taken until mine is abandoned. A high grade seam of ore ranging from ¼ inch to 3 inches was found in this drift but pinched out as did the regular ore at the end of the drift. This ore (high grade) assayed up to 7.57%.
No. II Mine produced about 13 tons of ore at .12%. Very high grade were also found in this mine but as yet not enough to mine. There is no ore of shipping grade to be mined in this mine.

(c) Refer to reports.
We wish to explore this property because it is our opinion that ore of mining quantities can be found to the north and between these two mines. There seems to be considerable mineralization and a fair count has been found in several places between these two mines. (refer to sketch). X marked in pencil.
In referring to reports by Millard Reyner, October, 1950, all of the No. II mine was driven since this report was made. All ore excepting 5.67 tons was mined from the No. I mine after this report.
A Geological investigation is being made at this time on Calf Mesa (a part of which is our group of unpatented claims) by the A.E.C.

(d) This project can easily be reached and has roads built to within a few feet of the workings.
Mine workings are about 32 miles east of Castle Dale in Emery County, Utah about 60 miles from Greenriver, Utah (a shipping point) and about 90 miles from Thompson, Utah (a shipping point). Castle Dale is the nearest residential point.

(e) Manpower can be found anytime in the locality. Materials, supplies and equipment can all be had from Castle Dale, 32 miles from project, and Price, Utah, 60 miles from project.
Water for mining purposes is plentiful 3 miles from project.
Culinary water is hauled from Castle Dale, Utah.
By using a new method (Dust Collector) mining water will not be needed on this project.
Culinary water does not cost as it is brought to the project as needed by workers.
There is no electrical power to be had on this project but none will be needed.

INSTRUCTIONS NO. 5

Physical Descriptions:

(b) Refer to sketch.
It is our plan to run two drifts at one time. For example, while No. 1 is being cucked out, No. 2 can be drilled. When these two drifts are finished, No. 3 drift and No. 4 drift can be driven. If ore (U_3O_8) of mining quantities is to be found, we believe we can intercept it by running drifts as shown on sketch.

(c) Work can start as soon as equipment can be situated on the project.

(d) All applicants are experienced coal miners and have had considerable tunnel work quite often found in coal mines. One of our group will act as supervisor and will also be one of the laborers.

INSTRUCTIONS NO. 6

Estimate of Costs:

(b) Three miners, one as supervisor, at $14.00 per man day
1,000 ft. drift, averaging 4 ft. (5x7) per day, 250 days
at $42.00 per day.

Total labor costs	$ 10,500.00
Engineering	100.00
Geological Consultants	100.00

(c) Operating Material & supplies

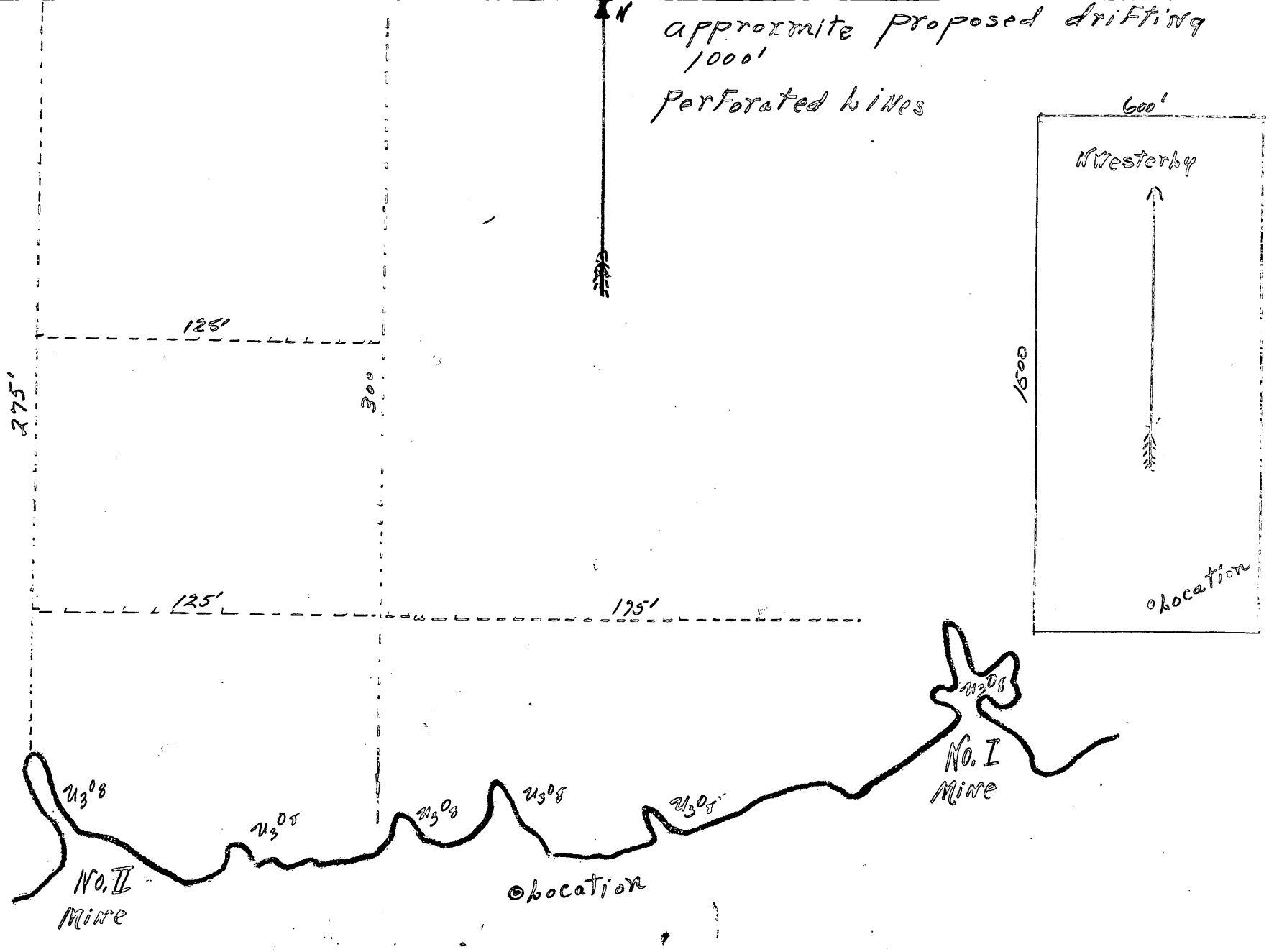
Powder	2,400.00
Caps, Electric Delay	880.00
Fuel	750.00
Oil & Filters	30.00
Drill bits	882.00
Two inch pipe	85.00
Fittings	40.00
Drill oil	70.00
Hose & fittings, 100 ft.	47.00
Two 18 inch Stilson Wrenches	13.00
One 8 lb. Hammer	4.00
Three shovels	15.00

(d) Operating Equipment

Compressor	3,550.00
Jack Hammer & Jack Leg	575.00
Dust Collector	180.00
Oiler	20.00
Mine Rails	50.00
Ore Car	150.00
Steels	100.00

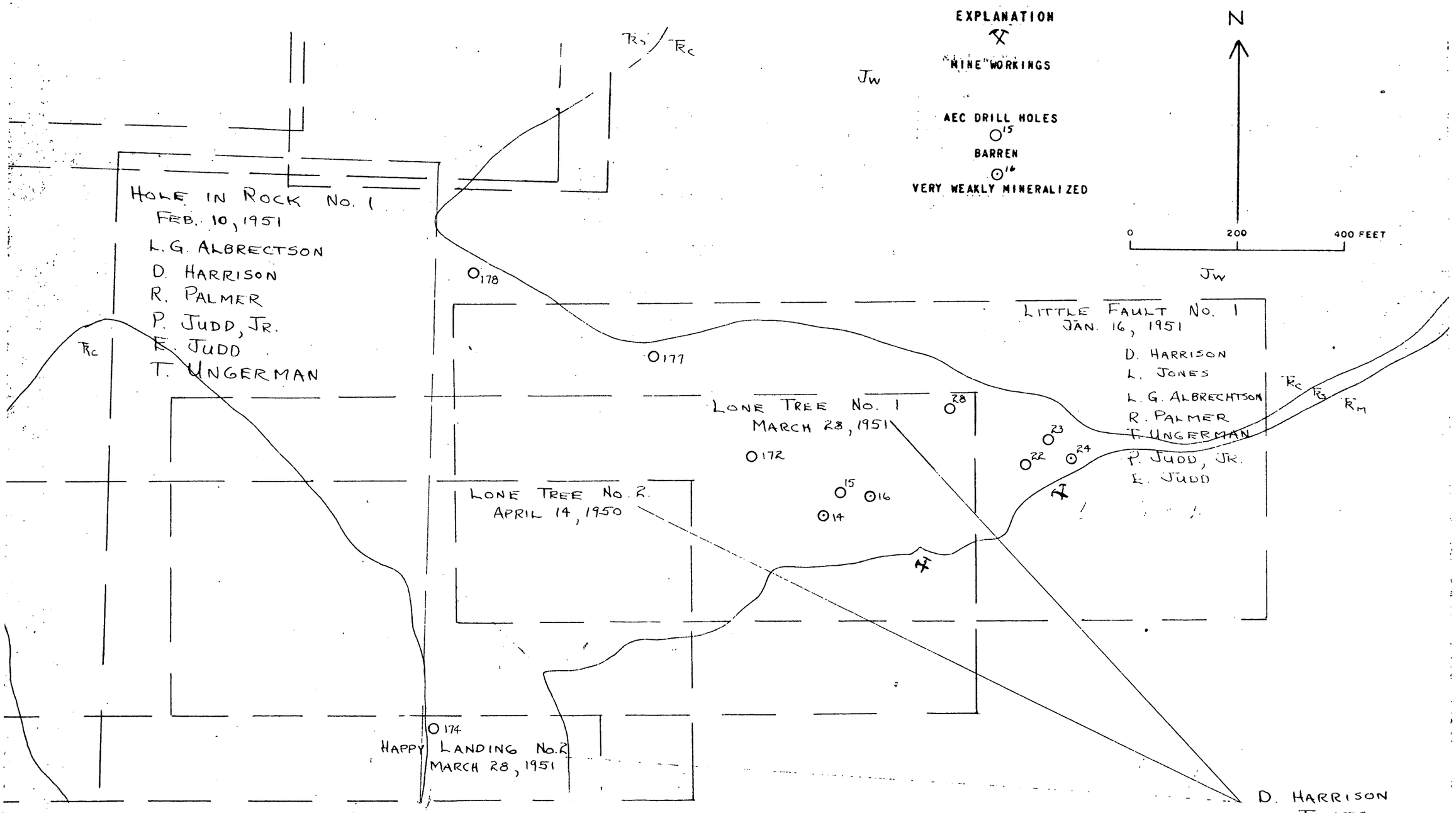
(e)

Cost Repairs	800.00
Analytical work	none
Accounting	none
Workmens Compensation	Not required if we do our own work
Employers Liability Insurance	Not required if we do our own work
Payroll Taxes	Not required if we do our own work

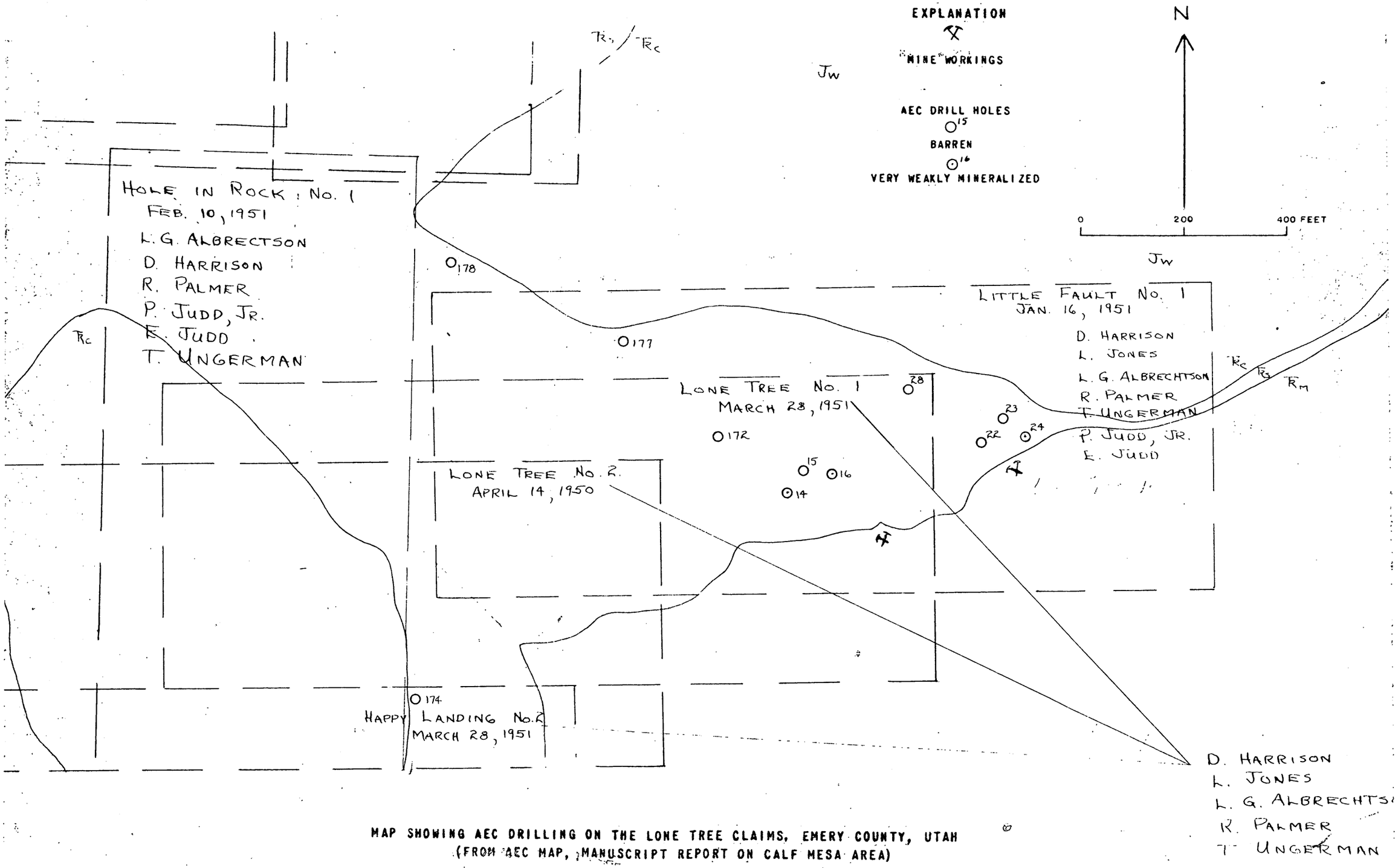


Rough Sketch
Lone Tree No. I
Horizontal Scale 1" = 50'

DMEA-3002



MAP SHOWING AEC DRILLING ON THE LONE TREE CLAIMS, EMERY COUNTY, UTAH
(FROM AEC MAP, MANUSCRIPT REPORT ON CALF MESA AREA)



MAP SHOWING AEC DRILLING ON THE LONE TREE CLAIMS, EMERY COUNTY, UTAH
(FROM AEC MAP, MANUSCRIPT REPORT ON CALF MESA AREA)

E. Wm. Ellis
DMEA
Room 4640, Interior