DMA Form 1

DEFENSE MINERALS ADMINISTRATION
Control Slip

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DMA Docket No. 3392

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Exploration Assistance

Any action taken to change the type of request for assistance must be promptly reported to the Reports and Records Branch. Use DMA Form 2 for submitting these reports.

Cys to USBM & USGS

Routing Slip

To:	700	Date	6/21/54
To:	Oper Com.	Date	7-7-54
To:	700	Date	7-9
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ACK. 11-12-54

ESTIMATES FURNISHED
~~PHONE DEL MAR 256-J~~

25 YEARS IN BUILDING

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
NOV 12 1954

Carl H. Andersen
GENERAL CONTRACTOR
~~P.O. BOX 556~~ General Dilivery
~~DEL MAR~~, CALIFORNIA
29. Palms.

11/10/54.

Defence Minerals Exsploration Adminestration
%. C. O. Wittendorf.
Administrator

Docket No.
Re. D.M.E.A. 3392
(Uranium)

Dear sir

Five Months ago. I submitted an aplication for Exsploration assistence under the Defence Production Act of 1950 as amended. On Oct 18-54. I wrote the Regional Office in San Fransisco in regards to it, and got back an answer that they had forwarded your Office on Oct 14-54. the Papers for your final desician. Five Months is a long time, and our concern is growing daily. The Weather here in the desert is ideal for working and we feel time is wasting, so wont you please give this matter your attension, and let us know one Way or the other. Hoping your reply will be favorably and real soon.

sincerly yours
Homestretch Mines L.T.D.
by Carl H Andersen
G.D. 29. Palms.
Calif

Letter of Denial mailed Nov. 10 1954. No reply to this letter necessary. Mr. Ching

urname copy

700

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

Ching
Ellis
Newcomb
Hedger
Selfridge

NOV 1 0 1954

Mr. Carl H. Andersen
P. O. Box 231
Twentynine Palms, California

Re: Docket No. DMEA-3392 (Uranium)
Homestretch Mines
San Bernardino County, California

Dear Mr. Andersen:

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

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

Careful study of all our information, although noting a small amount of uranium mineralization on your property, indicates to us that the probability of disclosing minable ore reserves by your proposed program is not sufficiently promising to justify Government participation. We regret to advise you, under these circumstances, that your application for exploration assistance is denied.

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

Sincerely yours,

G. O. Mittendorf (for)

Administrator

MChing/gla
11-9-54
to: Admr. Reading File
Operating Committee
Docket
J. E. Crawford, Rm. 3641
T. H. Kiilsgaard, Rm. 5224
J. O. Hosted, Rm. 3210, GSA
Code 700
Mr. Ching
A Field Team, Region III (2)

R.C.L.

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

Ching

November 9, 1954

SUMMARY OF PROPOSED PROJECT

Object: Denial of application for an exploration project

Docket No.: DMEA-3392

Commodity: Uranium

Applicant: Carl H. Anderson, et al (8 partners)
P. O. Box 231, Twentynine Palms, Calif.

Property: Homestretch Mines, consisting of 5 lode claims, Homestretch Nos. 1, 2, and 3, Leftover, and Salmon Boy claims. Applicant's claim of ownership disputed.

Date of application: June 5, 1954

Amount of application: $22,324.80

Work Proposed:

Deepen two existing shafts on the Homestretch No. 1 and No. 3 claims, and from these openings, do about 100 feet of crosscutting to determine the possible downward and lateral extensions of the ore bodies.

Field Team Report: Dated October 11, 1954. W. T. Benson, USBM, Hal G. Stephens, USGS

Radioactive minerals containing both uranium and thorium are present in gneissic granite, particularly in or close to concentrations of biotite. Samples taken from existing openings contained less than 0.005% U_3O_8 and approximately 0.02% ThO_2. The low grade of the exposures do not warrant additional exploration. It is recommended the application be denied.

Commodity Committee Members' Comments

Geological Survey: R. D. Trace, October 27, 1954

The grade of the uranium (less than 0.005%) is well below the "economic" cut off (0.1%), and there is no reason to expect the occurrence of any higher grade uranium. Denial of application recommended.

Bureau of Mines: John E. Crawford, November 9, 1954

Discussed the project with a representative of the AEC and concurs with the Field Team's recommendation that the application be denied.

Rare & Misc. Metals Division Engineer: Michael Ching, November 9, 1954.

While anomalous radioactivity is rather widespread along biotite-rich sections of gneissic granite on the No. 1 and No. 3 claims the material is too low grade to be of significance. It appears also that the applicants would have great difficulty in establishing clear title to the property. Under these circumstances a DMEA project would not be warranted.

Conclusions and Recommendations:

The low grade of the representative samples taken at six locations indicate little, if any, promise for the property. It is recommended that the application be denied.

Ernest Wm. Ellis

Ernest Wm. Ellis

11/9/54 gla

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

November 9, 1954

Memorandum

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

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

Subject: DMEA Docket 3392 (Uranium), Carl H. Andersen, et al
Homestretch Mines, San Bernardino County, California

I have reviewed the subject report and have discussed it with Joseph O. Hosted, representative of the Atomic Energy Commission.

We concur with the recommendation of the Field Team that the application involved under the subject docket be denied.

The report has been forwarded to the Chief, Minerals Division, in accord with the routing slip attached thereto.

John E. Crawford

John E. Crawford

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

November 9, 1954

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

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

Subject: DMEA Docket 3392 (Uranium), Carl H. Andersen, et al
Homestretch Mines, San Bernardino County, California

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John E. Crawford

10/28/54 gla

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

IN REPLY REFER TO:

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT 28 1954

October 27, 1954

Memorandum

REVIEW OF FIELD TEAM REPORT ON APPLICATION DMEA-3392 (Uranium)

To: E. W. Ellis, Defense Minerals Exploration Administration
From: R. D. Trace, U. S. Geological Survey
Applicant: Carl H. Anderson
Name of property: Homestretch Mines
Location of property: San Bernardino County, California
Date of Field Team Report: October 11, 1954
Authorship of Field Team Report: W. T. Benson, U.S.B.M. and H. G. Stephens, U.S.G.S.
Field Team's recommendation: Deny application.
Comments:

The grade of the uranium (<0.005%) is well below the "economic" cut off (0.1%), and there is no reason to expect the occurrence of any higher grade uranium.

ACTION RECOMMENDED: Deny application.

RD Trace

R. D. Trace

IN REPLY REFER TO:

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT 28 1954

October 27, 1954

Memorandum

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To: E. H. Ellis, Defense Minerals Exploration Administration
From: R. D. Trace, U. S. Geological Survey
Applicant: Carl E. Anderson
Name of property: Homestretch Mines
Location of property: San Bernardino County, California
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Field Team's recommendation: Deny application.
Comments:

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ACTION RECOMMENDED: Deny application.

R. D. Trace

RDTrace:hlm
G-10/27/54

Copy to: Director's reading, 4212
Branch reading, 4212
DMEA (3)
Docket file
J. E. Crawford, 3641

IN REPLY REFER TO:

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT 28 1954

October 27, 1954

Memorandum

REVIEW OF FIELD TEAM REPORT ON APPLICATION DMEA-3392 (Uranium)

To: F. W. Ellis, Defense Minerals Exploration Administration
From: R. D. Trace, U. S. Geological Survey
Applicant: Carl H. Anderson
Name of property: Homestretch Mines
Location of property: San Bernardino County, California
Date of Field Team Report: October 11, 1954
Authorship of Field Team Report: W. T. Benson, U.S.B.M. and
H. G. Stephens, U.S.G.S.
Field Team's recommendation: Deny application.
Comments:

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ACTION RECOMMENDED: Deny application.

R. D. Trace

RDTrace:hlm
G-10/27/54

Copy to: Director's reading, 4212
Branch reading, 4212
DMEA (3)
Docket file
J. E. Crawford, 3641

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

IN REPLY REFER TO:

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT 28 1954

October 27, 1954

Memorandum

SUMMARY OF FIELD TEAM REPORT ON APPLICATION DMEA-3392 (Uranium)

To: F. M. Ellis, Defense Minerals Exploration Administration
From: R. D. Trace, U. S. Geological Survey
Applicant: Carl E. Anderson
Name of property: Homestretch Mines
Location of property: San Bernardino County, California
Date of Field Team Report: October 11, 1954
Authorship of Field Team Report: W. T. Benson, U.S.B.M. and
H. G. Stephens, U.S.G.S.
Field Team's recommendation: Deny application.
Comments:

The grade of the uranium (<0.005%) is well below the "economic" cut off (0.1%), and there is no reason to expect the occurrence of any higher grade uranium.

ACTION RECOMMENDED: Deny application.

R. D. Trace

RDTrace:hlm
G-10/27/54

Copy to: Director's reading, 4212
Branch reading, 4212
DMEA (3)
Docket file
J. E. Crawford, 3641

10/19/54 gla

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

RECEIVED
OCT 18 1954

420 Custom House
555 Battery Street
San Francisco 11, California

October 14, 1954

Memorandum

To: George C. Selfridge, Chairman, Operating Committee, DMEA, Interior Building, Washington 25, D. C.

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket No. DMEA-3392 (Uranium)
Carl H. Andersen, et al
Homestretch Mines
San Bernardino County, California

Reference is made to your letter of July 8, 1954, requesting a field examination of the subject application.

Attached are four copies of our examination report entitled "DMEA-3392, Homestretch Mines, San Bernardino County, California (Uranium)" by W. T. Benson, Mining Engineer, U. S. Bureau of Mines and Hal. G. Stephens, Geologist, U. S. Geological Survey, dated October 11, 1954.

The examination revealed that there are radioactive minerals containing both uranium and thorium. Assay results of the samples taken from development openings indicated less than 0.005 percent U_3O_8 and 0.02 percent ThO_2. There is a possibility that the radioactive rocks extending along the strike are good, as indicated by radioactivity anomalies noted on the surface, but the thorium and uranium content of the exposures are too low to constitute ore and do not warrant exploration. Furthermore, it appears certain Mr. Andersen and his associates could not supply a secure title to the ground they wish to explore with Government assistance.

The engineer and geologist are in agreement that the loan should be denied. Mr. Roscoe Smith and I concur in their recommendation.

Reviewed by
DMEA OPERATING COMMITTEE

10-22-54
(date)

H. C. Miller
Executive Officer
DMEA Field Team, Region III

Attachment
Copy to: R. M. Smith-USGS

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT 18 1954

UNITED STATES
DEPARTMENT OF THE INTERIOR
DOUGLAS McKAY, SECRETARY

DEFENSE MINERALS EXPLORATION ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM
REGION III

DMEA-3392, Homestretch Mines

San Bernardino County, California

(Uranium)

W. T. Benson, Mining Engineer
U. S. Bureau of Mines

Hal. G. Stephens, Geologist
U. S. Geological Survey

October 11, 1954

Reviewed by
DMEA OPERATING COMMITTEE
10-22-54
(date)

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT 18 1954

EXAMINATION REPORT

Docket No.: DMEA-3392 (Uranium)

Name and address of applicant: Carl H. Andersen, et al
P. O. Box 231
Twenty-Nine Palms, California

Name and location of property: Homestretch Mines
San Bernardino County, California

SUMMARY

Mr. Carl H. Andersen, P. O. Box 231, Twenty-nine Palms, Calif., applied to the Defense Minerals Exploration Administration for Government assistance to explore for uranium on the Homestretch group of claims, situated about 8 miles west of the small settlement of Twenty-nine Palms, San Bernardino County, Calif.

A field examination was requested by the Executive Officer, DMEA Field Team, Region III, to determine whether the showings of uranium on the property were sufficient to justify the project proposed by the applicant. Accordingly, a field examination was made on July 20, 1954 by an engineer of the Bureau of Mines and a geologist of the Geological Survey.

The applicants proposed to explore the deposits by deepening the existing shafts on the Homestretch No. 1 and No. 3 claims, and from these openings to do about 100 feet of crosscutting to determine the possible downward continuations and lateral extents of the ore bodies.

Total cost of the project is estimated at $22,324.80.

As a result of the examination, it was determined that radioactive minerals containing both uranium and thorium are present in gneissic granite, particularly in or close to concentrations of biotite. Assay results of samples taken from development openings contained less than 0.005 percent U_3O_8 and 0.02 percent ThO_2. While the possibility exists that the radioactive rock, extending along the strike, are good, as indicated by radioactivity anomalies noted on the surface, the thorium and uranium content of the exposures are too low to constitute ore and do not warrant additional exploration. It is recommended that the application be denied.

INTRODUCTION

In connection with an application for exploration assistance, docket DMEA-3392, the Homestretch Mines, was examined on July 20, 1954 by an engineer of the Bureau of Mines and a geologist of the Geological Survey for the purpose of inspecting development openings that pertained to Carl H. Andersen's application for aid in exploring showings of radioactive material found on the Homestretch, Leftover, Salmon and the Lucky Boy group of seven claims.

DESCRIPTION OF PROPERTY

Property holdings comprise seven unpatented lode mining claims known as the Homestretch group 1 to 4, the Leftover, Salmon and Lucky Boy situated on Copper Mountain in secs. 19 and 30, T. 1 N.,

R. 8 E., S.B.B.M., San Bernardino County, California, about eight miles northwest of Twenty-nine Palms, the supply base, and 58 miles south of Amboy, the shipping point on the Santa Fe Railroad.

ACCESSIBILITY

To reach the property from Twenty-nine Palms, the main surfaced highway is followed west 5.5 miles. From this point a graded road is traveled north one mile to the mine road turnoff. The mine road is then followed west 1.5 miles to the discovery shaft on the Homestretch No. 3 claim, which lies on the north slope of a small canyon.

HISTORY

The discovery of radioactive material in the area is recent. The Homestretch claim locations were made early in the year 1954. Since discovery of radioactive material on the property, only discovery work has been done. There has been no production from the property.

Recently, a letter directed to Mr. H. C. Miller by a Mr. Carl Kramer, R.F.D., Twenty-nine Palms, Calif., under date of September 20, 1954, indicates the applicant wishes to secure a loan on property on which he has no legal claim or title. An excerpt of the letter reads as follows:

"Now a man by the name Carl Andersen with 5 associates staked over these claims, and did some location work, and claim they found uranium, They admit that they staked over my claims, namely the above, and Mr. Andersen says he will give all the claims up except the one they staked and call their number 1 claim, This one they say

they applied for a Government loan from you and they want me to release it to them, which I have refused to do, as they had no right to jump on my claims when they knew better."

From the above, it appears certain Mr. Andersen and his associates could not supply a secure title to the ground they wish to explore with Government assistance.

PHYSICAL FEATURES

In the vicinity of the property, the topography is characterized by a series of low hills that rise 300 to 500 feet above the valley floor. On the east flank, these hills are cut by a series of steep ravines that trend eastward. Altitudes in the area vary from 1,000 to 1,500 feet. The climate is typical of the southwestern desert country with long hot summers and moderate winters. Annual precipitation is less than 4.5 inches which usually occurs as rain during the winter months. Water for mining use is supplied in drums by truck from Twenty-nine Palms, 8 miles east. Varieties of desert brush and grass constitute the vegetation on the property.

Transmitted electric power is not available. For generation of power, fuel oil would have to be supplied in drums by truck from Twenty-nine Palms.

HOUSING FACILITIES

There are no housing facilities on the property. While location

work was being done, the crew lived in Twenty-nine Palms, where accommodations with board are available.

EQUIPMENT

There is no equipment for mining on the property.

COMPETENCY OF APPLICANT

Mr. Carl H. Andersen, applicant,has had about 30 years experience as a miner and should be competent to perform or direct work requested.

GEOLOGY

The Homestretch group of claims is underlain by a light tan to pinkish-tan granite that is gneissoid locally. Foliation in the granite produced by parallel arrangement of biotite sheets is conspicuous on the Homestretch Nos. 1 and 3 claims. The foliation strikes about N. 35 W. and dips range from 35 to 63 degrees NE. Dark greenish-gray dikes of basaltic composition cut the granitic rock in the vicinity of the prospect cuts on both claims. Anomalous radioactivity is present in the biotite-rich portions of the granitic rock.

ORE DEPOSITS

Radioactive minerals containing both uranium and thorium are present in gneissic granite, particularly in or close to concentrations of biotite. The biotite is largely responsible for a schistose structure; where it is very abundant, it occurs as parallel sheets as much as 1/4-

inch thick. Radioactivity values measured with a scintillation counter (Scintillator 111) are highest in the biotite-rich portions and in general outward in proportion to the biotite content. Maximum values ranged from 0.5 milliroentgens per hour at the Homestretch No. 1 prospect cut to 2.0 MR/hr in the vicinity of the Homestretch No. 3 cut. Background count in both areas averaged about .05 MR/hr.

Homestretch No. 1 claim--The prospect cut on the No. 1 claim is about 1,700 feet north of the cut on the No. 3 claim. The No. 1 cut is reported by the owners to be 15 feet deep, but recent flash floods in the area have nearly filled the cut with sand and gravel. Radioactive rock was mined from the footwall of a shear zone that strikes N. 35 E. and dips 48 degrees SE and is only a few inches thick. Foliation of the gneissic granite in and near the cut strikes N. 35 W. and dips approximately 35 to 50 degrees NE. Considerable amounts of kaolin (or calcium carbonate ?) are present along the hanging wall. Strong fractures along the northwest side of the cut (see sketch) also have NW strike, but dip 50 degrees NW or 80 degrees SE. Brecciated rock or gouge is a few inches to 2 feet thick on the northwest to west side of the cut. Abundant kaolin occurs along the hanging wall and also in the gouge in the west wall of the cut. Highest radiation intensity of .5 MR/hr was measured along the hanging wall of the shear zone. Elsewhere within the cut the radioactivity averages about .2 MR/hr. Unless the material along the shear

zone or major fracture assays at least .1% U_3O_8, there seems to be very little justification for exploration.

Homestretch No. 3 claim--The workings on the No. 3 claim consist of a 20-foot shaft and a 10-foot crosscut into the hanging wall of the biotite-rich "vein". The radioactive rock is a coarse grained biotite granite or gneissic granite where local concentrations of biotite is common. The rock is highly foliate along the biotite-rich zones with the foliation having a N. 30 to 35 W. strike and a dip of approximately 60 degrees NE. The heavy concentrations of biotite, which exhibit the maximum radioactivity, are less than a foot thick and the content of biotite decreases away from the plane of heaviest concentration. The radioactivity appears to be roughly proportionate to the biotite content. Measurements of radioactivity in the workings range from .18 MR/hr. to .8 MR/hr. A reading of .5 MR/hr. was made on the fault surface on the west side of the shaft. The fault or major fracture strikes N. 30 E. and has a steep SE dip. Readings were high (to the maximum .8 MR/hr) on the west wall of the shaft within 1-2 feet of the fault. Readings in the crosscut did not exceed .38 MR/hr.

The radioactivity in the granitic rock is believed to be owing for the most part to thorium-bearing monazite and allanite, and to a lesser degree to the uranium associated with the thorium. Although these minerals were not identified in the radioactive material on the

property, the geologic setting is very similar in occurrence to deposits south of Twentynine Palms, California and along the eastern edge of the San Bernardino Mts. On top of the hill above the cut 60 to 80 feet southeast of the shaft and along the strike of foliation, one radioactivity anomaly was discovered during the examination by a reading of 2.0 MR/hr. The anomalous area appeared to be only 3 feet in diameter. Sample No. 1702 was collected from the spot and consisted of weathered granitic rock, stained with iron oxide, and containing abundant biotite. ThO_2 content is 0.33 percent--highest on the property.

Several dikes of basaltic rock cut the granite in the vicinity of the No. 3 workings and one such dike is exposed in the southeast wall of the shaft near the surface. Stringers or leaders from this dike intrude into the granite along planes of foliation. The dike rock is brecciated where it is cut by the fault on the west side of the shaft.

SAMPLING

A series of six samples were taken from development openings and surface cuts. Their locations are shown on the attached sketch maps. They assayed as follows:

Sample No.	%, ~~WO_3~~ U_3O_8	%, ThO_2	Description
1697	*0.005	0.022	Cut across 4 feet in bottom 24-foot shaft Homestretch No. 3 claim.
1698	*0.005	0.021	Cut across 2-1/2 feet vein material on hanging wall down 5 feet in Discovery shaft Homestretch No. 1 claim.

Sample No.	%, ~~WO_3~~ U_3O_8	%, ThO_2	Description
1699	*0.005	0.018	Cut across 2 feet south side Discovery shaft Homestretch No. 1 claim.
1700	*0.005	0.024	Cut across 2 feet in cut on outcrop 100 feet south of Discovery shaft Homestretch No. 1 claim.
1701	*0.005	0.020	Cut across 4 feet north side of shaft on Homestretch No. 3 claim down 10 feet.
1702	*0.005	0.330	Cut across one foot in outcrop 100 feet south of shaft Homestretch No. 3 claim.

*Less than.

ORE RESERVES

Indicated and inferred reserves of radioactive material on the Homestretch No. 1 claim containing less than 0.005 percent U_3O_8 and 0.02 percent ThO_2 are estimated at less than 50 tons, based on exposures of radioactive rock approximately 1-2 feet thick, 10 feet along strike and 15 feet (partly concealed by fill) down dip.

Indicated and inferred reserves of radioactive material on the Homestretch No. 3 claim containing less than 0.005 percent U_3O_8 and 0.02 percent ThO_2 are estimated roughly at 100 tons. The chances of the radioactive rock to extend along strike of foliation are good as indicated by radioactivity anomalies noted on the surface.

PROPOSED EXPLORATION

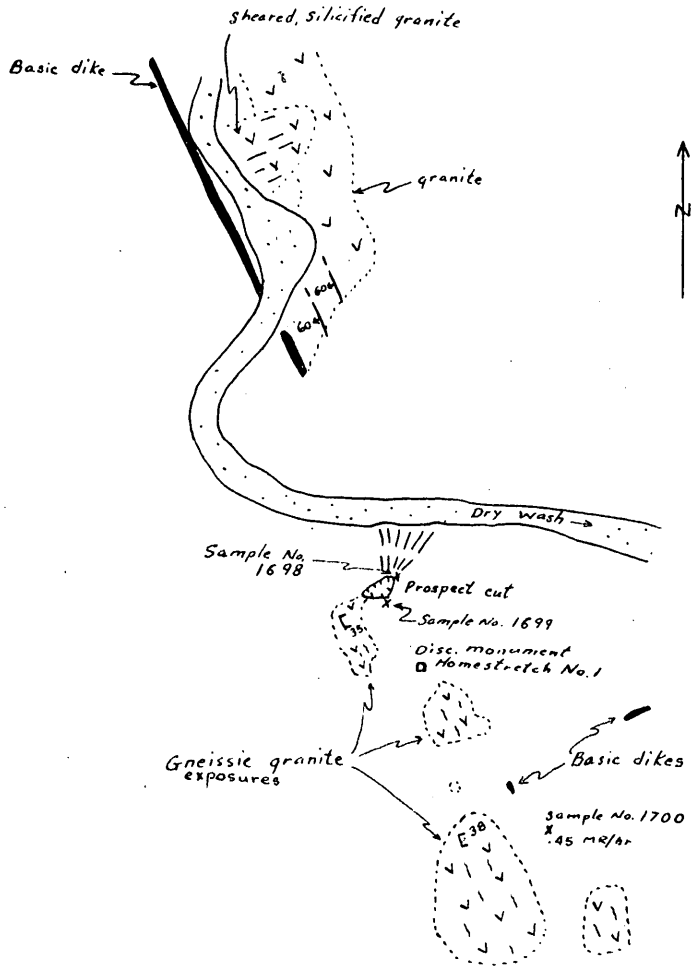
The applicant proposes to deepen the shafts on the Homestretch No. 1 and No. 3 claims and from these openings to do about 100 feet of crosscutting estimated to cost $22,324.80 and would require about

ten months to complete.

The application for a DMEA loan is based on the occurrence of uranium on the Homestretch No. 1 and No. 3 claims, although thorium is also eligible. Assay results show that a large amount of the radioactivity is probably owing to the presence of thorium and a very minor amount to uranium. It is noted that no current market for thorium exists nor have future plans regarding the development of a thorium market been revealed.

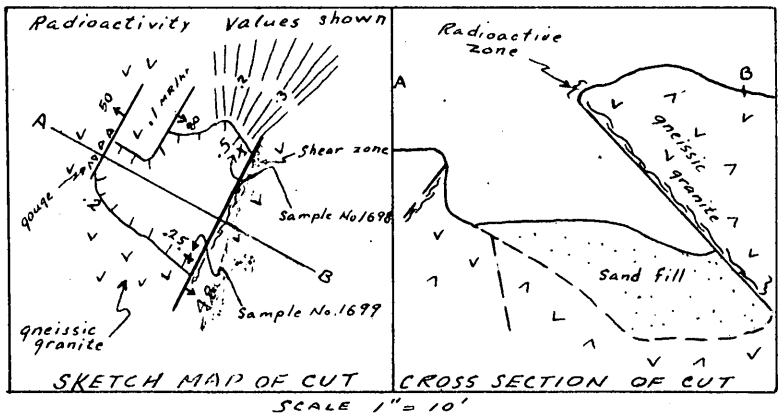
CONCLUSIONS AND RECOMMENDATIONS

On the Homestretch No. 1 and No. 3 claims, radioactive minerals containing both uranium and thorium are present in gneissic granite, particularly in or close to concentrations of biotite. Assay results of samples taken from development openings contained less than 0.005 percent U_3O_8 and 0.02 percent ThO_2. While the possibility exists that the radioactive rock extends along the strike are good, as indicated by radioactivity anomalies noted on the surface, the thorium and uranium content of the exposures are too low to constitute ore and do not warrant additional exploration. It is recommended the application be denied.

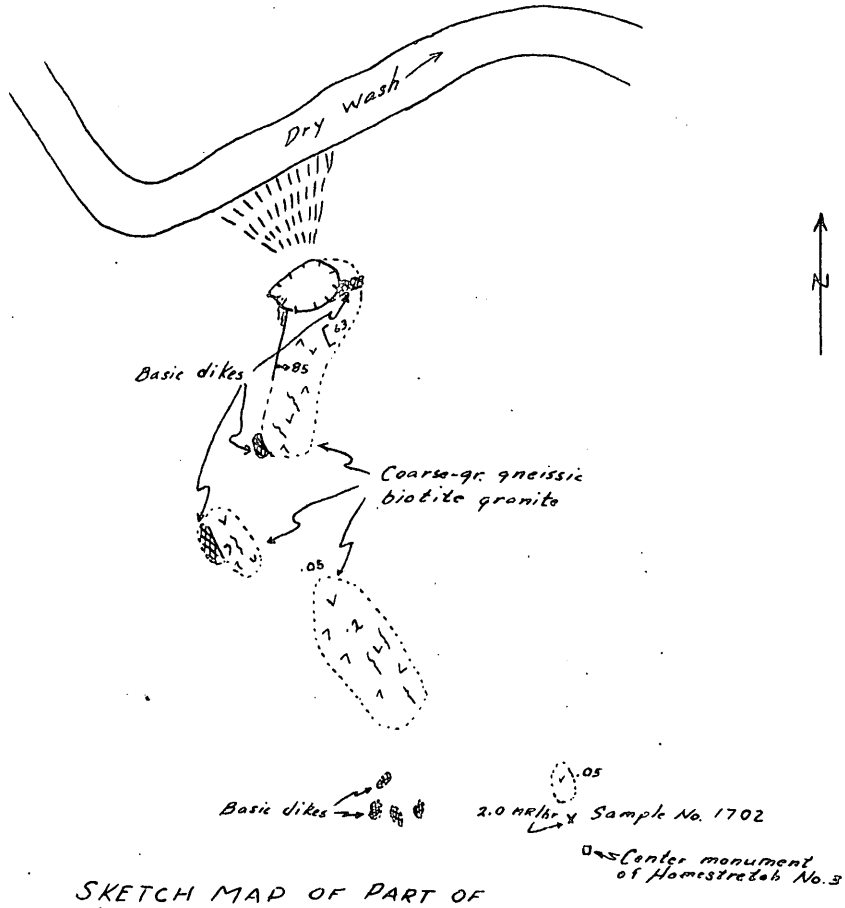


Scale: 1" = 100'

Sketch map of Homestretch No. 1
7 mi. west of 29 Palms, Calif., San Bernardino County.

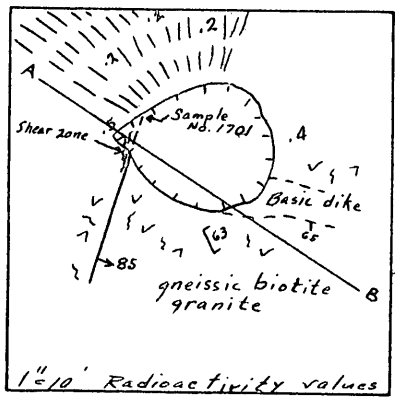


SCALE 1" = 10'

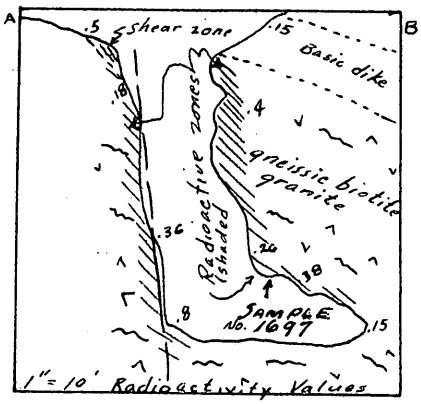


SKETCH MAP OF PART OF HOMESTRETCH NO. 3 CLAIM

Scale 1" = 20'



Sketch map of prospect cut



Cross section of prospect cut

10/25/54 gla

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT 18 1954

420 Custom House
555 Battery Street
San Francisco 11, California

October 14, 1954

Memorandum

To: George C. Selfridge, Chairman, Operating Committee, DMEA, Interior Building, Washington 25, D. C.

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket No. DMEA-3392 (Uranium)
Carl H. Andersen, et al
Homestretch Mines
San Bernardino County, California

Reference is made to your letter of July 8, 1954, requesting a field examination of the subject application.

Attached are four copies of our examination report entitled "DMEA-3392, Homestretch Mines, San Bernardino County, California (Uranium)" by W. T. Benson, Mining Engineer, U. S. Bureau of Mines and Hal. G. Stephens, Geologist, U. S. Geological Survey, dated October 11, 1954.

The examination revealed that there are radioactive minerals containing both uranium and thorium. Assay results of the samples taken from development openings indicated less than 0.005 percent U_3O_8 and 0.02 percent ThO_2. There is a possibility that the radioactive rocks extending along the strike are good, as indicated by radioactivity anomalies noted on the surface, but the thorium and uranium content of the exposures are too low to constitute ore and do not warrant exploration. Furthermore, it appears certain Mr. Andersen and his associates could not supply a secure title to the ground they wish to explore with Government assistance.

The engineer and geologist are in agreement that the loan should be denied. Mr. Roscoe Smith and I concur in their recommendation.

Reviewed by
DMEA OPERATING COMMITTEE
10-22-54
(date)

H. C. Miller
Executive Officer
DMEA Field Team, Region III

Attachment
Copy to: R. M. Smith-USGS

Minerals Administration
RECEIVED
OCT 18 1954

UNITED STATES
DEPARTMENT OF THE INTERIOR
DOUGLAS McKAY, SECRETARY

DEFENSE MINERALS EXPLORATION ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM
REGION III

DMEA-3392, Homestretch Mines

San Bernardino County, California

(Uranium)

W. T. Benson, Mining Engineer
U. S. Bureau of Mines

Hal. G. Stephens, Geologist
U. S. Geological Survey

October 11, 1954

Reviewed by
DMEA OPERATING COMMITTEE
10-22-54
(date)

EXAMINATION REPORT

Docket No.: DMEA-3392 (Uranium)

Name and address of applicant: Carl H. Andersen, et al
P. O. Box 231
Twenty-Nine Palms, California

Name and location of property: Homestretch Mines
San Bernardino County, California

SUMMARY

Mr. Carl H. Andersen, P. O. Box 231, Twenty-nine Palms, Calif., applied to the Defense Minerals Exploration Administration for Government assistance to explore for uranium on the Homestretch group of claims, situated about 8 miles west of the small settlement of Twenty-nine Palms, San Bernardino County, Calif.

A field examination was requested by the Executive Officer, DMEA Field Team, Region III, to determine whether the showings of uranium on the property were sufficient to justify the project proposed by the applicant. Accordingly, a field examination was made on July 20, 1954 by an engineer of the Bureau of Mines and a geologist of the Geological Survey.

The applicants proposed to explore the deposits by deepening the existing shafts on the Homestretch No. 1 and No. 3 claims, and from these openings to do about 100 feet of crosscutting to determine the possible downward continuations and lateral extents of the ore bodies.

Total cost of the project is estimated at $22,324.80.

As a result of the examination, it was determined that radioactive minerals containing both uranium and thorium are present in gneissic granite, particularly in or close to concentrations of biotite. Assay results of samples taken from development openings contained less than 0.005 percent U_3O_8 and 0.02 percent ThO_2. While the possibility exists that the radioactive rock, extending along the strike, are good, as indicated by radioactivity anomalies noted on the surface, the thorium and uranium content of the exposures are too low to constitute ore and do not warrant additional exploration. It is recommended that the application be denied.

INTRODUCTION

In connection with an application for exploration assistance, Docket DMEA-3392, the Homestretch Mines, was examined on July 20, 1954 by an engineer of the Bureau of Mines and a geologist of the Geological Survey for the purpose of inspecting development openings that pertained to Carl H. Andersen's application for aid in exploring showings of radioactive material found on the Homestretch, Leftover, Salmon and the Lucky Boy group of seven claims.

DESCRIPTION OF PROPERTY

Property holdings comprise seven unpatented lode mining claims known as the Homestretch group 1 to 4, the Leftover, Salmon and Lucky Boy situated on Copper Mountain in secs. 19 and 30, T. 1 N.,

R. 8 E., S. B. B. M., San Bernardino County, California, about eight miles northwest of Twenty-nine Palms, the supply base, and 58 miles south of Amboy, the shipping point on the Santa Fe Railroad.

ACCESSIBILITY

To reach the property from Twenty-nine Palms, the main surfaced highway is followed west 5.5 miles. From this point a graded road is traveled north one mile to the mine road turnoff. The mine road is then followed west 1.5 miles to the discovery shaft on the Homestretch No. 3 claim, which lies on the north slope of a small canyon.

HISTORY

The discovery of radioactive material in the area is recent. The Homestretch claim locations were made early in the year 1954. Since discovery of radioactive material on the property, only discovery work has been done. There has been no production from the property.

Recently, a letter directed to Mr. H. C. Miller by a Mr. Carl Kramer, R. F. D., Twenty-nine Palms, Calif., under date of September 20, 1954, indicates the applicant wishes to secure a loan on property on which he has no legal claim or title. An excerpt of the letter reads as follows:

"Now a man by the name Carl Andersen with 5 associates staked over these claims, and did some location work, and claim they found uranium. They admit that they staked over my claims, namely the above, and Mr. Andersen says he will give all the claims up except the one they staked and call their number 1 claim. This one they say

they applied for a Government loan from you and they want me to release it to them, which I have refused to do, as they had no right to jump on my claims when they knew better.

From the above, it appears certain Mr. Andersen and his associates could not supply a secure title to the ground they wish to explore with Government assistance.

PHYSICAL FEATURES

In the vicinity of the property, the topography is characterized by a series of low hills that rise 300 to 500 feet above the valley floor. On the east flank, these hills are cut by a series of steep ravines that trend eastward. Altitudes in the area vary from 1,000 to 1,500 feet. The climate is typical of the southwestern desert country with long hot summers and moderate winters. Annual precipitation is less than 4.5 inches which usually occurs as rain during the winter months. Water for mining use is supplied in drums by truck from Twenty-nine Palms, 8 miles east. Varieties of desert brush and grass constitute the vegetation on the property.

Transmitted electric power is not available. For generation of power, fuel oil would have to be supplied in drums by truck from Twenty-nine Palms.

HOUSING FACILITIES

There are no housing facilities on the property. While location

work was being done, the crew lived in Twenty-nine Palms, where accommodations with board are available.

EQUIPMENT

There is no equipment for mining on the property.

COMPETENCY OF APPLICANT

Mr. Carl H. Andersen, applicant, has had about 30 years experience as a miner and should be competent to perform or direct work requested.

GEOLOGY

The Homestretch group of claims is underlain by a light tan to pinkish-tan granite that is gneissoid locally. Foliation in the granite produced by parallel arrangement of biotite sheets is conspicuous on the Homestretch Nos. 1 and 3 claims. The foliation strikes about N. 35 W. and dips range from 35 to 63 degrees NE. Dark greenish-gray dikes of basaltic composition cut the granitic rock in the vicinity of the prospect cuts on both claims. Anomalous radioactivity is present in the biotite-rich portions of the granitic rock.

ORE DEPOSITS

Radioactive minerals containing both uranium and thorium are present in gneissic granite, particularly in or close to concentrations of biotite. The biotite is largely responsible for a schistose structure; where it is very abundant, it occurs as parallel sheets as much as 1/4-

inch thick. Radioactivity values measured with a scintillation counter (Scintillator 111) are highest in the biotite-rich portions and in general outward in proportion to the biotite content. Maximum values ranged from 0.5 milliroentgens per hour at the Homestretch No. 1 prospect cut to 2.0 MR/hr in the vicinity of the Homestretch No. 3 cut. Background count in both areas averaged about .05 MR/hr.

Homestretch No. 1 claim--The prospect cut on the No. 1 claim is about 1,700 feet north of the cut on the No. 3 claim. The No. 1 cut is reported by the owners to be 15 feet deep, but recent flash floods in the area have nearly filled the cut with sand and gravel. Radioactive rock was mined from the footwall of a shear zone that strikes N. 35 E. and dips 48 degrees SE and is only a few inches thick. Foliation of the gneissic granite in and near the cut strikes N. 35 W. and dips approximately 35 to 50 degrees NE. Considerable amounts of kaolin (or calcium carbonate ?) are present along the hanging wall. Strong fractures along the northwest side of the cut (see sketch) also have NW strike, but dip 50 degrees NW or 80 degrees SE. Brecciated rock or gouge is a few inches to 2 feet thick on the northwest to west side of the cut. Abundant kaolin occurs along the hanging wall and also in the gouge in the west wall of the cut. Highest radiation intensity of .5 MR/hr was measured along the hanging wall of the shear zone. Elsewhere within the cut the radioactivity averages about .2 MR/hr. Unless the material along the shear

zone or major fracture assays at least .1% U_3O_8, there seems to be very little justification for exploration.

Homestretch No. 3 claim--The workings on the No. 3 claim consist of a 20-foot shaft and a 10-foot crosscut into the hanging wall of the biotite-rich "vein". The radioactive rock is a coarse grained biotite granite or gneissic granite where local concentrations of biotite is common. The rock is highly foliate along the biotite-rich zones with the foliation having a N. 30 to 35 W. strike and a dip of approximately 60 degrees NE. The heavy concentrations of biotite, which exhibit the maximum radioactivity, are less than a foot thick and the content of biotite decreases away from the plane of heaviest concentration. The radioactivity appears to be roughly proportionate to the biotite content. Measurements of radioactivity in the workings range from .18 MR/hr. to .8 MR/hr. A reading of .5 MR/hr. was made on the fault surface on the west side of the shaft. The fault or major fracture strikes N. 30 E. and has a steep SE dip. Readings were high (to the maximum .8 MR/hr) on the west wall of the shaft within 1-2 feet of the fault. Readings in the crosscut did not exceed .38 MR/hr.

The radioactivity in the granitic rock is believed to be owing for the most part to thorium-bearing monazite and allanite, and to a lesser degree to the uranium associated with the thorium. Although these minerals were not identified in the radioactive material on the

property the geologic setting is very similar in occurrence to the points south of Twentynine Palms California and along the eastern edge of the San Bernardino Mts. On top of the hill above the cut 60 to 80 feet southeast of the shaft and along the strike of foliation one radioactivity anomaly was discovered during the examination on by a reading of 2.5 MR/hr. The anomalous area appeared to be only [illegible] feet in diameter. Sample No. 1702 was collected from the spot and consisted of weathered granite [illegible] stained with iron oxide and containing abundant biotite. ThO_2 content is 0.[illegible] percent, highest on the property.

Several [illegible] of basalt rock cut the granite in the vicinity of the Nine Lowering in one such dike is exposed in the southeast wall of the shaft near the surface. Stringers or leaders from this dike intrude into the granite along planes of foliation. The dike rock is brecciated where it is cut by the fault on the west side of the shaft.

SAMPLING

A series of six samples were taken from development openings and surface cuts. Their locations are shown on the attached sketch maps. They assayed as follows:

Sample No.	% U_3O_8	% ThO_2	Description
1697	*0.005	0.022	Cut across 4 feet in bottom 24-foot shaft Homestretch No. 3 claim.
1698	*0.005	0.021	Cut across 2-1/2 feet vein material on hanging wall down 5 feet in Discovery shaft Homestretch No. 1 claim.

Sample No.	U_3O_8 %, ~~RC~~	%, ThO_2	Description
1699	*0.005	0.018	Cut across 2 feet south side Discovery shaft Homestretch No. 1 claim.
1700	*0.005	0.024	Cut across 2 feet in cut on outcrop 100 feet south of Discovery shaft Homestretch No. 1 claim.
1701	*0.005	0.020	Cut across 4 feet north side of shaft on Homestretch No. 3 claim down 10 feet.
1702	*0.005	0.330	Cut across one foot in outcrop 100 feet south of shaft Homestretch No. 3 claim.

*Less than.

ORE RESERVES

Indicated and inferred reserves of radioactive material on the Homestretch No. 1 claim containing less than 0.005 percent U_3O_8 and 0.02 percent ThO_2 are estimated at less than 50 tons, based on exposures of radioactive rock approximately 1-2 feet thick, 10 feet along strike and 15 feet (partly concealed by fill) down dip.

Indicated and inferred reserves of radioactive material on the Homestretch No. 3 claim containing less than 0.005 percent U_3O_8 and 0.02 percent ThO_2 are estimated roughly at 100 tons. The chances of the radioactive rock to extend along strike of foliation are good as indicated by radioactivity anomalies noted on the surface.

PROPOSED EXPLORATION

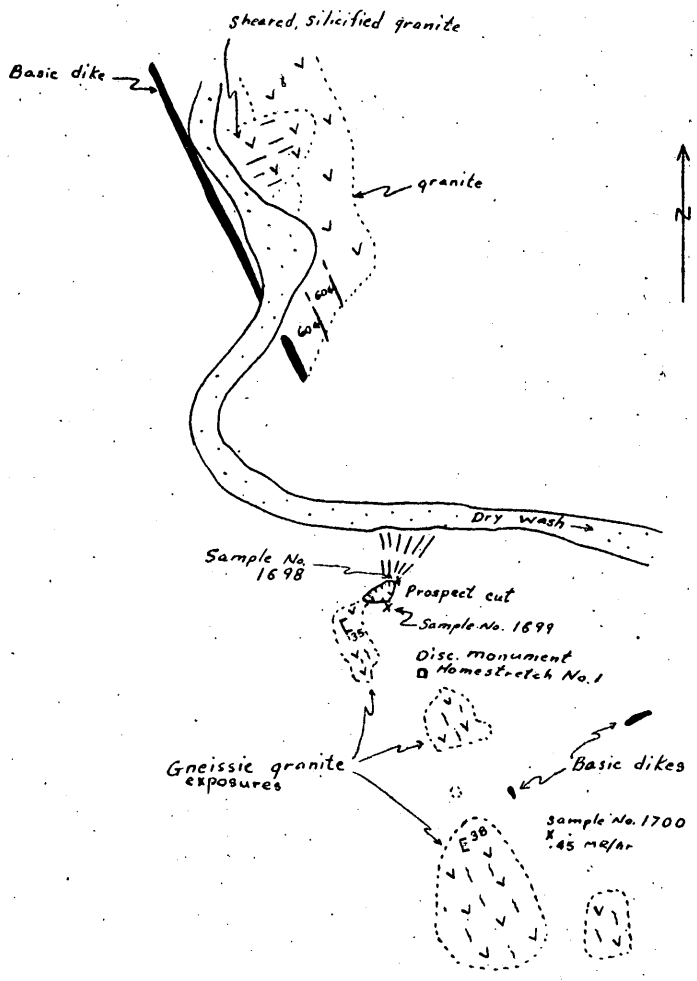
The applicant proposes to deepen the shafts on the Homestretch No. 1 and No. 3 claims and from these openings to do about 100 feet of crosscutting estimated to cost $22,324.80 and would require about

ten months to complete.

The application for a DMEA loan is based on the occurrence of uranium on the Homestretch No. 1 and No. 3 claims, although thorium is also eligible. Assay results show that a large amount of the radioactivity is probably owing to the presence of thorium and a very minor amount to uranium. It is noted that no current market for thorium exists nor have future plans regarding the development of a thorium market been revealed.

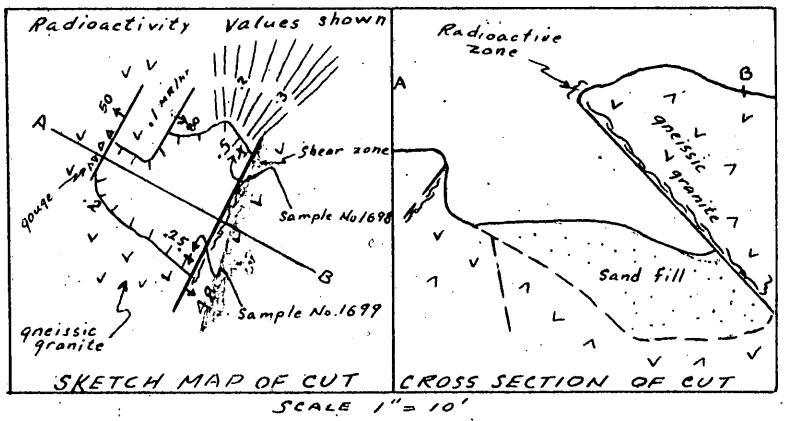
CONCLUSIONS AND RECOMMENDATIONS

On the Homestretch No. 1 and No. 3 claims, radioactive minerals containing both uranium and thorium are present in gneissic granite, particularly in or close to concentrations of biotite. Assay results of samples taken from development openings contained less than 0.005 percent U_3O_8 and 0.02 percent ThO_2. While the possibility exists that the radioactive rock extends along the strike are good, as indicated by radioactivity anomalies noted on the surface, the thorium and uranium content of the exposures are too low to constitute ore and do not warrant additional exploration. It is recommended the application be denied.

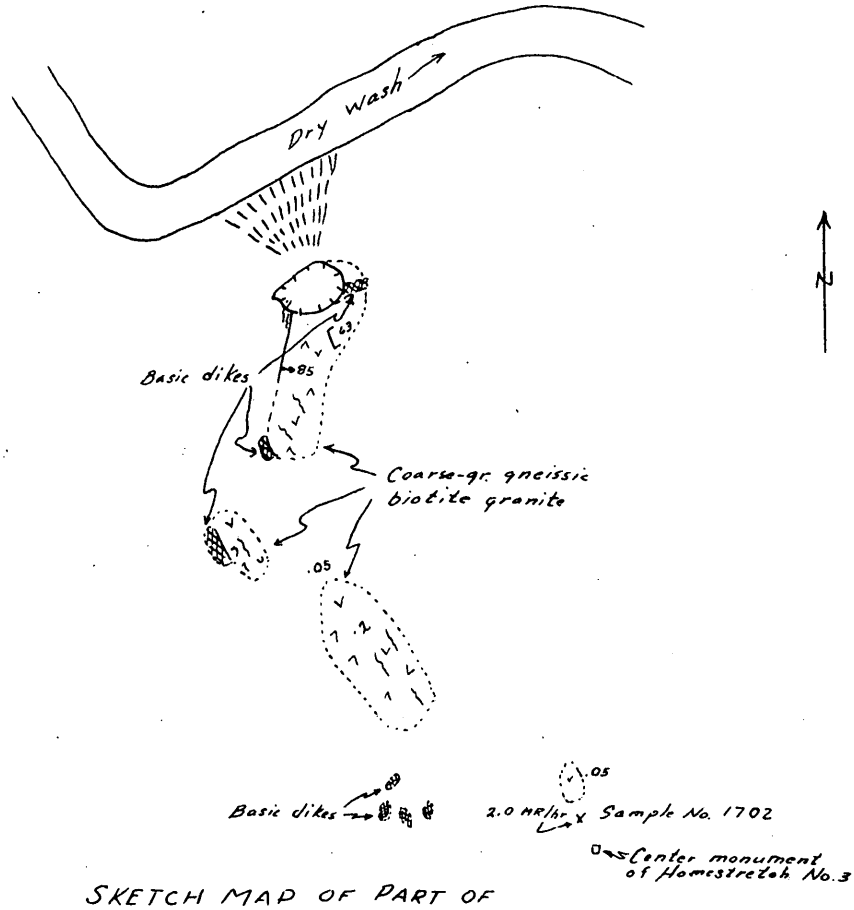


Scale: 1" = 100'

Sketch map of Homestretch No. 1
7 mi. east of 29 Palms, Calif., San Bernardino County.

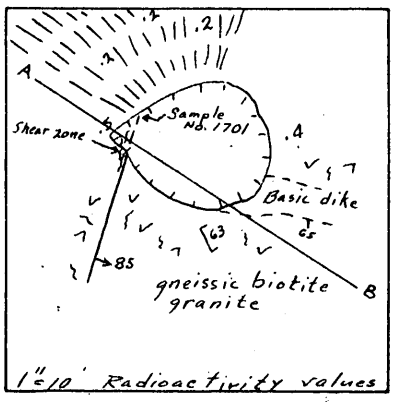


SCALE 1" = 10'

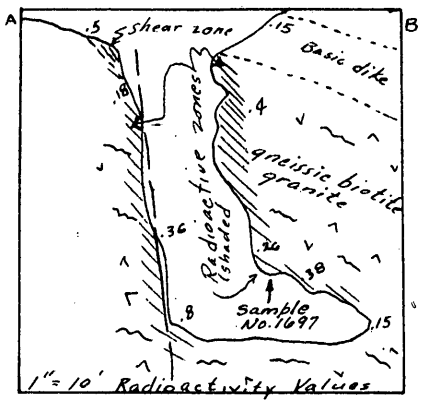


SKETCH MAP OF PART OF HOMESTRETCH NO. 3 CLAIM

Scale 1" = 20'



Sketch map of prospect cut



Cross section of prospect cut

Surname 700

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

Ching
Ellis
Gifford
Selfridge
Hedges
Jefferson

JUL 8 - 1954

Mr. Carl H. Andersen
P.O. Box 231
Twenty-Nine Palms,
California

Re: Docket No. DMEA-3392 (Uranium)
Homestretch Mines
San Bernardino County,
California

Dear Mr. Andersen:

The application for assistance in exploring your property in San Bernardino County, California, under the above-captioned docket number, has been reviewed by the Rare and Miscellaneous Metals Division of the Defense Minerals Exploration Administration. It has been referred for a field examination to the Executive Officer of Region III at the following address:

Mr. H. C. Miller
Executive Officer, Region III
DMEA Field Team
420 Custom House
555 Battery Street
San Francisco 11, California

The Regional Office will contact you at the earliest opportunity in regard to your project.

Sincerely yours,

C. O. Mittenderf

Administrator

MChing/am
7-6-54
cc to: Admr. Reading File
Docket
Code 700
Mr. Ching
DMEA Field Team, Region III (2)

R.C.J.

Surname 700

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

Ching
Ely
Selfridge
Jefferson

JUL 8 - 1954

Mr. A. C. Miller
Executive Officer
DMEA Field Team, Region III
420 Custom House
555 Battery Street
San Francisco 11, California

Re: Docket No. DMEA-3392 (Uranium)
Carl E. Ambrron, et al
Homestretch Mines
San Bernardino County,
California

Dear Mr. Miller:

The subject application, while somewhat incomplete, is being referred to you for investigation and recommendation. On June 30, we referred an application (Docket No. DMEA-3388) for an exploration project on the Wrams Claims to you for investigation and, since the latter claims are in the same locality as the subject property, you will, no doubt, wish to have the field man examine both properties at the same time. A copy of the application is already in your files.

Enclosed are two copies each of comments and recommendations relative to the application by H. D. Keiser, Member, and R. S. Twenhofel, Acting Member, Uranium Commodity Committee, dated June 28 and June 29, 1954, respectively.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee

Enclosures

MChing/am
7-6-54
cc to: Admr. Reading File
Operating Committee
Docket
Messrs. A.P.Butler, Jr.,Rm.3212,GSA
J.O.Hosted, Rm.3210, GSA
H.D.Keiser, Rm. 3641
Code 700
Mr. Ching

APPROVED:

J. H. Hedges

Member, Bureau of Mines

Philip W. Guild

Member, Geological Survey

R.S.T.

STANDARD FORM NO. 64

7/2/54 gla

Office Memorandum • UNITED STATES GOVERNMENT

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

DATE: June 29, 1954

FROM : W. S. Twenhofel, USGS Acting Member, Uranium Commodity Committee

SUBJECT: Application, DMEA Docket 3392 (Uranium), Homestretch Mines and Exploration Co., Twenty-Nine Palms, San Bernardino County, California, applicant; Homestretch No's. 1 to 3, Leftover, and Salmon Boy claims, Secs. 19 and 30, T. 1 N., R. 8 E., S.B.B.M., San Bernardino County, California

I have reviewed the application identified in the subject above. The applicant, Homestretch Mines and Exploration Company, proposes an unspecified amount of underground exploration, some surface excavation, and road building at an estimated cost of $22,325, to explore a radioactive vein (or veins) exposed on the property.

Factual data contained in the application is insufficient to fully evaluate the merits of the proposed exploration. So far as I have been able to determine, the files of the Geological Survey contain no data pertinent to the area covered by the application.

Recommendation

I recommend that the application be forwarded to the Field Team for review and evaluation of its merits and of the details of any exploration that may be warranted.

Copies to: E. Wm. Ellis (2)

W. S. Twenhofel

6/23/54 gla

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

Defense Minerals Administration
RECEIVED
JUN 23 1954

June 22, 1954

Memorandum

To: Ernest William Ellis, DMEA Member
Uranium Commodity Committee, Room 4640

From: H. D. Keiser, Bureau of Mines Member
Uranium Commodity Committee

Subject: DMEA Docket No. 3392, Carl H. Andersen, P. O. Box 231, Twentynine Palms, California

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

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

H. D. Keiser

H. D. Keiser

Attachment

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

June 21, 1954

Memorandum

To: Executive Officer, DMEA Field Team, Region III

From: Chief, Operation's Control and Statistics Division

Subject: Assignment of Docket Number

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

DMEA-3392 Carl H. Andersen, et al.

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

June 21, 1954

Mr. Carl H. Andersen, et al.
P. O. Box 231
Twenty-Nine Palms, Calif.

Subject: DMEA-3392
Re: Exploration Assistance
Homestretch Mines and
Exploration

Gentlemen:

The receipt of your application dated June 5, 1954 for exploration assistance under the Defense Production Act of 1950, as amended, is hereby acknowledged.

Your application has been assigned Docket Number DMEA-3392 and referred to the Rare and Miscellaneous Metals Division.

Kindly refer to in any future correspondence relating to your application.

Sincerely yours,

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

420 Custom House
555 Battery Street
San Francisco 11, California

June 16, 1954

Memorandum

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

From: Executive Officer, DMEA Field Team, Region III

Subject: Application for loan - Uranium and Vanadium
Homestretch Mines and Exploration
Carl H. Andersen, and others (Partnership)
P.O. Box 231
Twentynine Palms, California

Attached are three of the four copies of an application for an exploration loan received in this office on June 15, 1954.

H. C. Miller
Executive Officer, DEAM Field Team
Region III

Attachment

Copy to: R. M. Smith (USGS)

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

420 Custom House
555 Battery Street
San Francisco 11, California

June 16, 1954

Memorandum

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

From: Executive Officer, DMEA Field Team, Region III

Subject: Application for loan - Uranium and Vanadium
Homestretch Mines and Exploration
Carl H. Andersen, and others (Partnership)
P.O. Box 231
Twentynine Palms, California

Attached are three of the four copies of an application for an exploration loan received in this office on June 15, 1954.

H. C. Miller
Executive Officer, DEAM Field Team
Region III

Attachment

Copy to: R. M. Smith (USGS)

Please address all communications to

Carl H. Andersen
P.O.Box 231
Twenty-Nine Palms
California

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. 3392
Metal or Mineral Uranium
Date Received
Estimated Cost $22,325
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: Partnership: see attached sheet.

(*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. Partnership - State of California

(*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 5 Lode Claims located in Copper Mountain - 6-1/2 Miles West of 29 Palms, Calif. Township 1 North Range 8 East Sections 19 - 30.

(*b*) State any mine name by which the property is known Homestretch Mines and Exploration

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

(*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. Owner

(*e*) If you own the land, describe any liens or encumbrances on it None

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

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 attached sheet.

(*b*) State past and current production, and ore reserves, if any, giving quantities and grades. None

(*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 attached sheet.

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

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

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

(*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 attached sheets.

(*c*) The work will start within 30 days and be completed within six 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. As per attached sheets.

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. See attached Sheets.

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

(*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. See Attached Sheet.

(*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. None.

(*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. See attached Sheet.

(*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. See Attached Sheets.

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

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?

☐ Money ☒ Use of equipment owned by you ☒ Other

Explain in detail on acompanying paper.

CERTIFICATION

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

Dated June 5, 1954

Carl H Anderson
(Applicant)
P.O. Box 231 - 29 Palms
~~By~~
William W. Lake

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

#1. (a)

Names and addresses of co-partners:

David S. Becker	P. O. Box 83, Catherdral City, California
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John S. Peterson	P. O. Box 231, Twentynine Palms, California
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R. J. Dickert	General Delivery, Twentynine Palms, California
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#3 (f)

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3 Claims have only discovery work on them. 1 Claim has shaft approximately 24 Ft. deep, a crosscut on vein approximately 10 Ft. one other claim has shaft approximately 15 Ft. deep. Claim No. 3 with the 24'0" shaft can be reached by car. Claim No. 1 with the 15'0" shaft - there is a walk of about 1400 Ft. from Claim No. 3 - easy walking. Work done by all Partners.

(b)

No Past nor current production has been carried on.

(c) Country rock heavy folded. Mostly silicon - iron - calcium - aluminum - magnesium. Vein type DIP - 60 degree with ore shoots showing on surface. Spectographic Tests shows Sodium - Manganese - Copper - Barium Potassium - Titanium - Lithium - Vanadium - Silver - Gold and Uranium. Assays from Vanadium Corporation shows from 0.15 to 0.265 of Uranium and 0.54% - V2-O5 at a shallow depth of approximately 6 Ft. Our wish is to explore these deposits as indications here are that by depth, Good ore in large quantities can be found. Numerous outcropings showing high radioactivity is found all over property.

(d) Project is reached by 5-1/2 miles paved road west of Twentynine Palms good gravel road, 1 mile north approximately 1 mile west of fair trail to claims. Nearest railroads 46 miles to Garnet, California - Santa Fe Railroad. Best road is to Amboy, California 58 miles - Union Pacific Railroad. Supply and Residence points, Twentynine Palms, California.

(e) Manpower can be had at Twentynine Palms, California and within our own Partnership. Materials, supplies, equipment can be had at San Bernardino, California. Water is found in valley below approximately 1 mile at from 260 Ft. to 375 Ft. depth. Hauling water by truck for drilling is suggested.

#5 (b)

PROPOSED WORK

Deepen shafts on claims No. 1 and 3 to Sulphide Zones with Crosscuts of Veins at different levels. Open veins at four suggested different points on property so as to expose ores. Vein outcroppings show an average of 12'0" in width. Attached is a map of property and workings on Claim No. 3. Claim No. 1 is similar. Work also includes building of raod. Work with bulldozer where a dike crosses canyon - making access to Claims No. 2, No. 1, and No. 5 where mining would be done. A site for a camp could be had on any Claims and building for bunk house should be erected also, small cook house, head frame for hoist and timbered mine opening for Claims No. 1 and 3 only. Portable compressor for use in both shafts should be bought. A good used compressor would suffice. Water for drilling can be brought in in barrels or tank truck.

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EXPERIENCE AND BACKGROUND OF OPERATING CREW AND SUPERVISORY STAFF.

These men are part of Partnership Owners.

Ray E. Smith: 6 years a miner and a prospector and in exploratory work. Also owner and mine operator.

Rudolph J. Dicker: 8 years miner and prospector.

Carl H. Andersen: 30 years prospector and miner - 8 months Colorado School of Mines - Lease holder and mine operator in Tucson, Arizona. Lease holder and mine operator in Randsburg, California.

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John S. Petersen: 20 years prospecting and as a hobby student of geology, being the discoverer of the property herein described.

#6 (b)

LABOR SUPERVISION CONSULTANTS

Miners - 2 Wages per hour $2.35	Shafts 960 hours	$2256.00
Miners - 2 Drifting	100 Ft. drift - 800 hours	1880.00
Hoist Operator Wages per hour $2.75	1152 hours	3168.00
Carpenters and top man all around - Wages "2.78 per hour	1152 hours	3202.56
Mining Engineer Consultant Fee		400.00
Geological Consultant Fee		400.00
Insurance on Labor		1050.00
		$1,2356.56

$12,356.56

#6 (c)

ESTIMATE COST OF OPERATING MATERIALS AND SUPPLIES

Drill Stems 30 Ft. @ $2.00	60.00
Drill Bits - 320 pcs @ 60¢	216.00
Gasoline Hoist-Compressor and Light Plant - 12 gallons per day - 144 days - 1728 gallons ¢ 26¢ per gallon	448.28
50 Gallon oil for above	60.00
22 Boxes dynamite @ $13.00 per box	286.00
Fuses and Caps	35.00
Shovels, picks - approximately	40.00
	$ 1145.28
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(d)

ESTIMATE COST OF EQUIPMENT AND TOOLS

One compressor - used	1800.00
Jack hammer and hose	400.00
Hoist - portable-mountings and installation to be moved from one operation to the other	800.00
One portable power and light plant	500.00
	$ 3500.00

(g)

MISCELLANEOUS

Approximate cost of repair and maintenance on compressor - hoist and light plant.	$ 100.00
21 Assays and 2 Spectrographic Test	155.00
Accounting 6 months @ $25.00 per month	150.00
Accident Insurance and Public Liability	150.00
	$ 550.00

Workmens Compensation and Employers Liability Insurance and Payroll Tax none needed as Partners are doing own work.

(h) CONTINGENCIES $ 300.00

#6 (f)

NEW BUILDINGS

Improvements installations from used materials.

Portable bunkhouse and tool house 10 x 14 @ 4.00 per Ft.	$560.00
Portable toilet	75.00
	$635.00

#7 (b)

How are we to supply 25% of Cost.

Use of partners trucks and haul water and material	350.00
Contingencies	300.00
New Buildings	635.00
Labor by partners	3487.96
Total by Partners	$ 4772.96

Estimated Cost Of Development Of Mining Property
On An Exploratory Basis, For Defense Minerals.

(6b)	Labor, Supervision, Consultants	I2,356.56
(6c)	Materials and Supplies	I,I45.28
(6d)	Equipment and Tools	3,500.00
(6g)	Miscellaneous	550.00
(7b)	Amount of Labor, Expenses, etc. which have been, and will be expended by the owners or partners.	4,772.96
	Total Cost	22,324.80

Amount of aid required from DMEA, in order to complete the above proposed exploration work. $I7,55I.84

C
O
P
Y

VANADIUM CORPORATION OF AMERICA
DURANGO, COLORADO

April 13, 1954

G. M. Thompson
P. O. Box 669
Cathedral City, California

REPORT OF ASSAY RESULTS

Date	Lot No.	Name of Claim	$\%V_2O_5$	$\%U_3O_8$	$\% CaCO_3$
	2510		0.54	.265	

Very truly yours,

VANADIUM CORPORATION OF AMERICA

C
O
P
Y

Form No. Met. IV-1
(June 1953)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

1600 East 1st South
Salt Lake City, 1, Utah
April 12, 1954

G. M. Thompson

Cathedral City, California

RADIOACTIVE SAMPLE REPORT

Sample Reference No: UP-1784-2

Name and Location of Property:

Near Twentynine Palms
San Bernardino County, California

Nature and Analysis of Sample:

The two samples you submitted are composed mainly of feldspars with quartz, biotite and limonite. A radiometric analysis indicated on Sample No. 1 0.18% U_3O_8 equivalent and on Sample No. 2, 0.15% U_3O_8 equivalent. Qualitative chemical tests for uranium gave a weak but positive test. Tests with an electroscope indicated the presence of thorum. We could find no cerium, vanadium, nickel and cobalt.

Remarks:

It is possible the Atomic Energy Comission may be interested in your deposit and a copy of this report will be forwarded to them. Additional samples may be submitted to the Atomic Energy Commission at 222 South West Temple, Salt Lake City, Utah or U. S. Bureau of Mines Box 3, University Station, Reno, Nevada.

(Examined by E. G. Irwin, Petrographer)

Signed: Heber E. Peterson, Chief
Chemical and Physical Analysis Branch
Metallurgical Division
Region IV

[illegible] ATOMIC ENERGY COMMISSION
[illegible] & DEVELOPMENT
Salt Lake Exploration Branch

Refer to symbol for:
[illegible] Exploration Branch
[illegible]
[illegible]

[illegible], 1951

[illegible]

Dear [illegible]:

Assay returns of samples submitted by you to the Tucson Office of the [illegible] of these have been made [illegible] this office. A radiometric assay, [illegible] equivalent [illegible] (Sample [illegible]), was obtained from [illegible]

We would appreciate [illegible] a sample of your ore along with [illegible] such that we may [illegible] an evaluation of the [illegible].

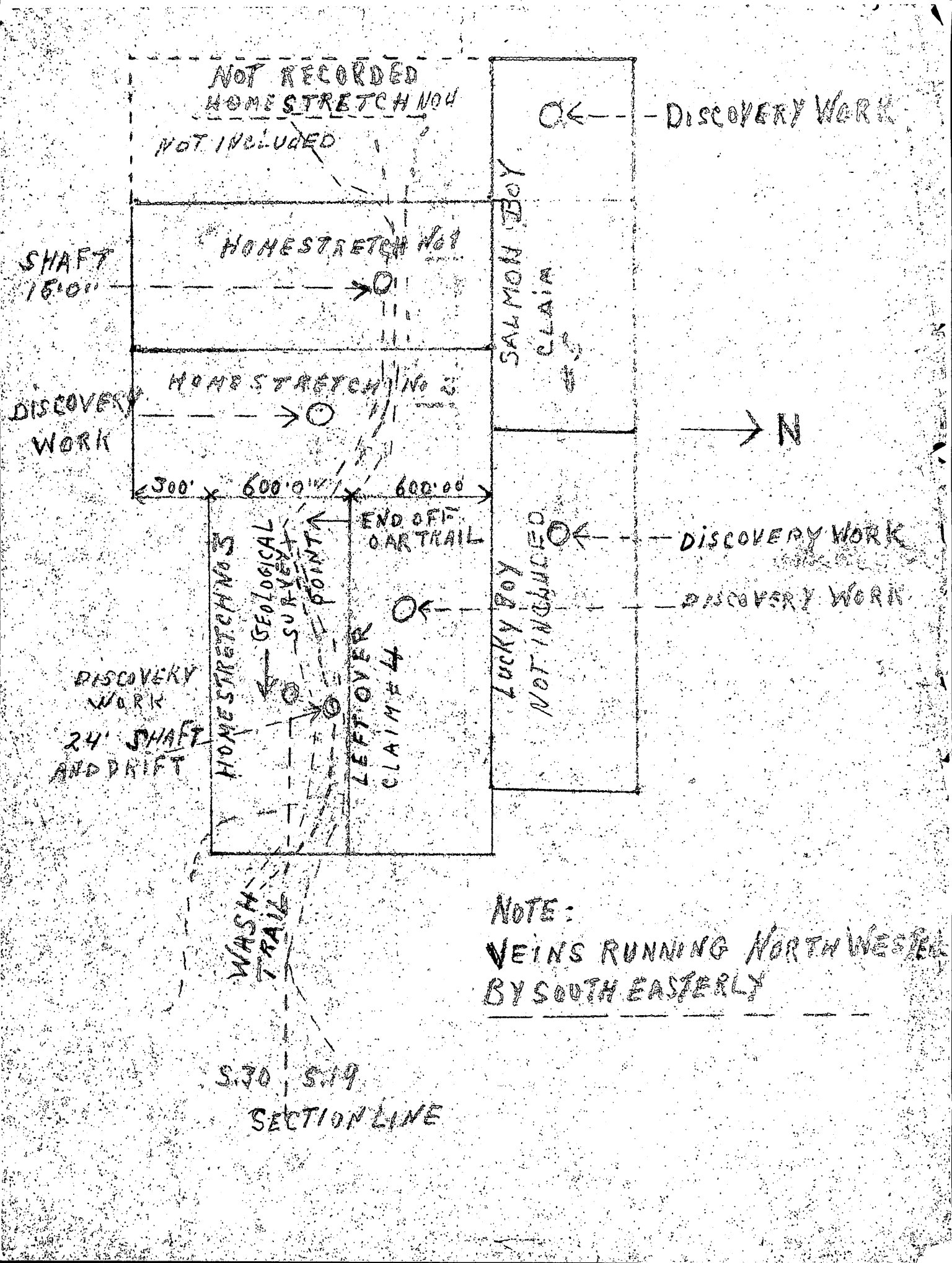
[illegible] this [illegible] will make you to complete [illegible] this office; [illegible] Concerning Samples [illegible] to Publish Form, and [illegible] samples.

[illegible] to this [illegible] process [illegible]

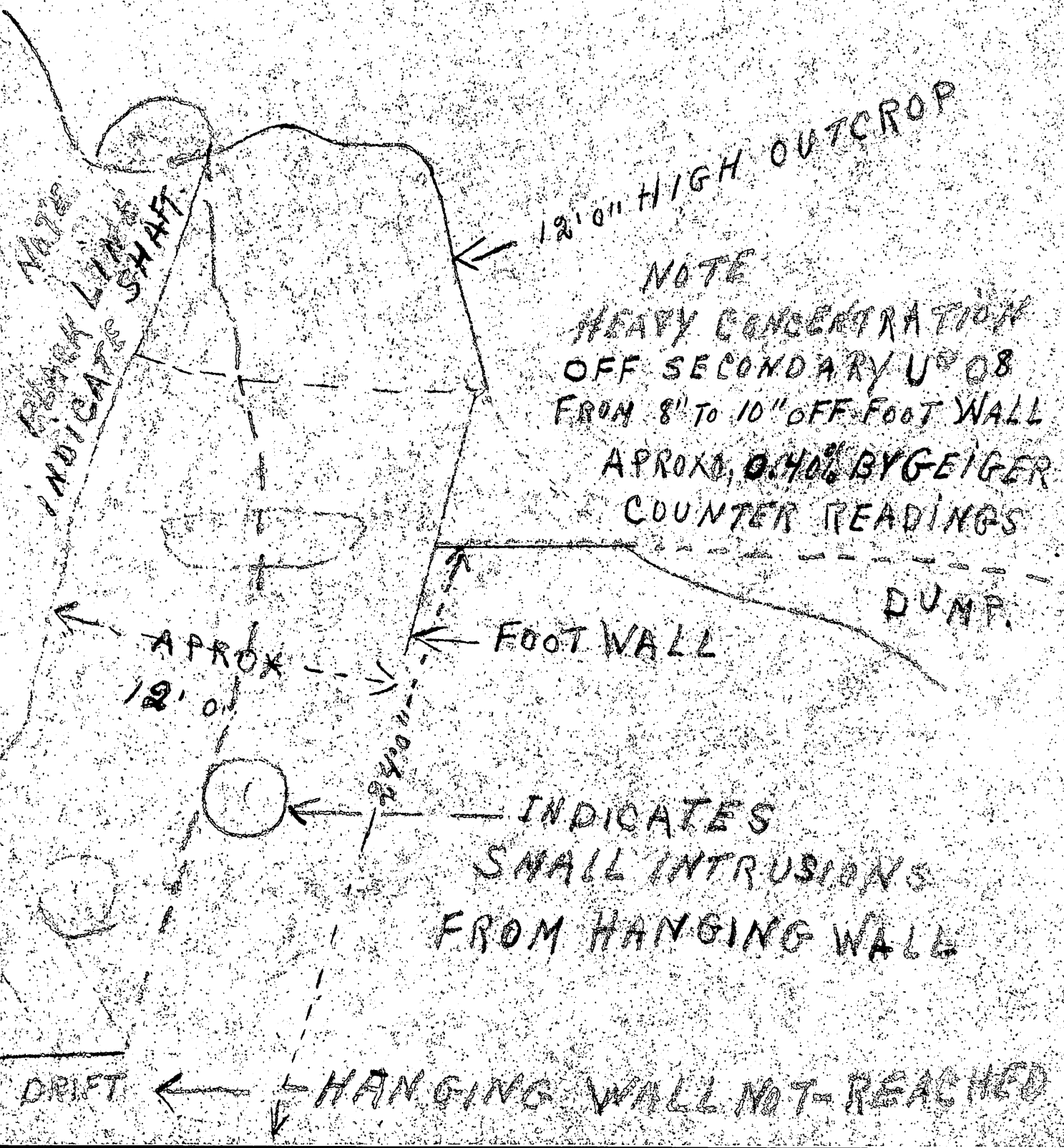
Very truly yours,

A. J. [illegible], Acting Chief
Phoenix [illegible] Office
Salt Lake Exploration Branch
Division of Raw Materials

Encl:
As above


NOT RECORDED
HOMESTRETCH NO4
NOT INCLUDED
DISCOVERY WORK
SALMON BOY CLAIM #
HOMESTRETCH NO1
SHAFT 16'0"
HOMESTRETCH NO 2
DISCOVERY WORK
N
300'
600'0"
600'00
END OF FIR OAR TRAIL
DISCOVERY WORK
DISCOVERY WORK
LUCKY BOY NOT INCLUDED
HOMESTRETCH NO 3
GEOLOGICAL SURVEY POINT
LEFTOVER CLAIM #4
DISCOVERY WORK
24' SHAFT AND DRIFT
WASH TRAIL
S.30
S.19
SECTION LINE
NOTE:
VEINS RUNNING NORTHWESTERLY BY SOUTHEASTERLY

CROSS SECTION VIEW
CLAIM. No. 3
SHAFT 24' BELOW OUTCROP.



SPOKANE 2, WASHINGTON

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U.S. POSTAGE 1954

Mr. Jay L. Chambers, Chief
Contract Administration and Audit Division
Defense Minerals Exploration Administration
Department of the Interior
Washington 25, D. C.

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. 3392
Metal or Mineral Uranium
Date Received
Estimated Cost $22,325
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: Partnership: see attached sheet.

(*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. Partnership - State of California

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

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

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

3. *Applicant's property rights.*—(*a*) State the legal description of the land upon which you wish to explore, including all land which you possess or control that may be benefited by the exploration, and excluding any land or interest in land which is not to be included in the exploration project contract 6 Lode Claims Located in Copper Mountain - 6-1/2 Miles West of 29 Palms, Calif. Township 1 North Range 8 East Sections 19 - 30.

(*b*) State any mine name by which the property is known. Homestretch Mines and Exploration

(*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. Owner

(*e*) If you own the land, describe any liens or encumbrances on it None

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

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 attached sheet.

(*b*) State past and current production, and ore reserves, if any, giving quantities and grades. None

(*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 attached sheet.

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

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

16—66551-1

5. *The exploration project.*—(*a*) State the mineral or minerals for which you wish to explore Uranium ~~Vanadium and other rare minerals.~~

(*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 attached sheets.

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☐ Money ☒ Use of equipment owned by you ☐ Other

Explain in detail on acompanying paper.

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(Applicant)
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Please address all communications to

Carl H. Andersen
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Twenty-Nine Palms
California

Twentynine

#3 (f)

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Workmens Compensation and Employers Liability Insurance and Payroll Tax none needed as Partners are doing own work.

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#6 (f)

NEW BUILDINGS

Improvements installations from used materials.

Portable bunkhouse and tool house 10 x 14 @ 4.00 per Ft.	$560.00
Portable toilet	75.00
	$635.00

#7 (b)

How are we to supply 25% of Cost.

Use of partners trucks and haul water and material	350.00
Contingencies	300.00
New Buildings	635.00
Labor by partners	3487.96
Total by Partners	$ 4772.96

Estimated Cost Of Development Of Mining Property
On An Exploratory Basis, For Defense Minerals.

(6b)	Labor, Supervision, Consultants	I2,356.56
(6c)	Materials and Supplies	I,I45.28
(6d)	Equipment and Tools	3,500.00
(6g)	Miscellaneous	550.00
(7b)	Amount of Labor, Expenses, etc. which have been, and will be expended by the owners or partners.	4,772.96
	Total Cost	22,324.80

Amount of aid required from DMEA, in order to complete the above proposed exploration work. $I7,55I.84

C
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VANADIUM CORPORATION OF AMERICA
DURANGO, COLORADO

April 13, 1954

G. M. Thompson
P. O. Box 669
Cathedral City, California

REPORT OF ASSAY RESULTS

Date	Lot No.	Name of Claim	$\%V_2O_5$	$\%U_3O_8$	$\%CaCO_3$
	2510		0.54	.265	

Very truly yours,

VANADIUM CORPORATION OF AMERICA

C
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Form No. Met. IV-1
(June 1953)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

1600 East 1st South
Salt Lake City, 1, Utah
April 12, 1954

G. M. Thompson

Cathedral City, California

RADIOACTIVE SAMPLE REPORT

Sample Reference No: UP-1784-2

Name and Location of Property:

Near Twentynine Palms
San Bernardino County, California

Nature and Analysis of Sample:

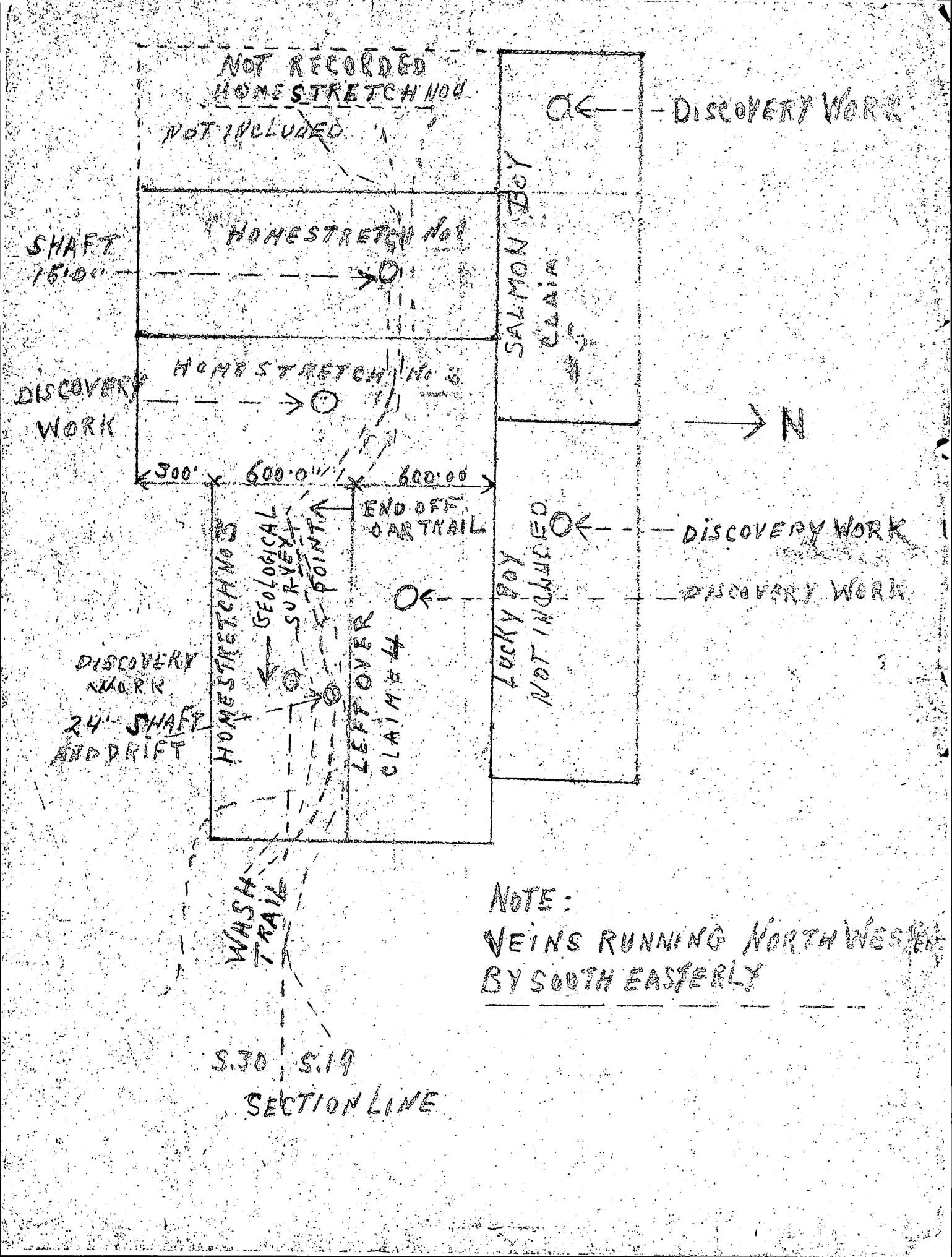
The two samples you submitted are composed mainly of feldspars with quartz, biotite and limonite. A radiometric analysis indicated on Sample No. 1 0.18% U_3O_8 equivalent and on Sample No. 2, 0.15% U_3O_8 equivalent. Qualitative chemical tests for uranium gave a weak but positive test. Tests with an electroscope indicated the presence of thorum. We could find no cerium, vanadium, nickel and cobalt.

Remarks:

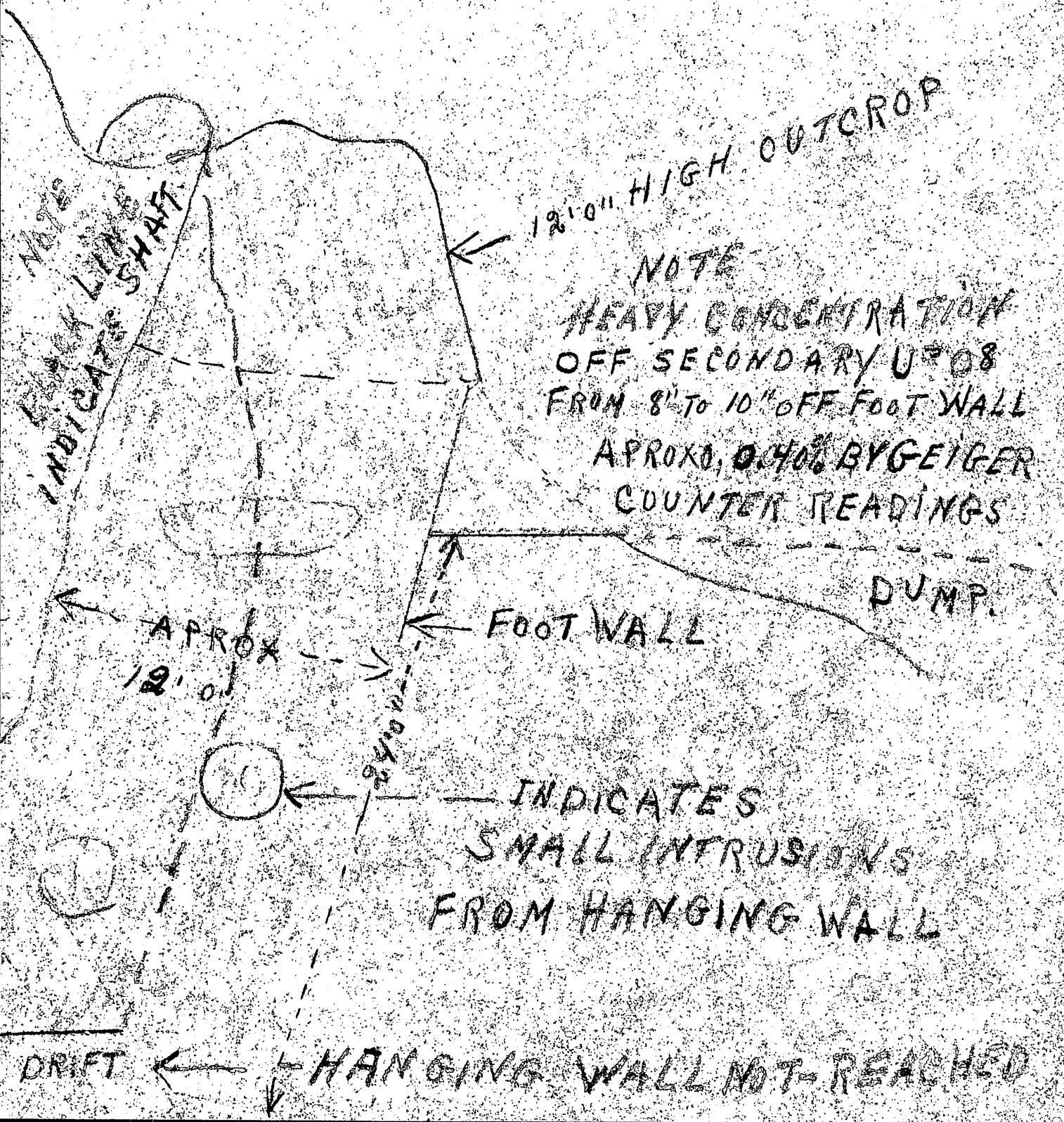
It is possible the Atomic Energy Comission may be interested in your deposit and a copy of this report will be forwarded to them. Additional samples may be submitted to the Atomic Energy Commission at 222 South West Temple, Salt Lake City, Utah or U. S. Bureau of Mines Box 3, University Station, Reno, Nevada.

(Examined by E. G. Irwin, Petrographer)

Signed: Heber E. Peterson, Chief
Chemical and Physical Analysis Branch
Metallurgical Division
Region IV


NOT RECORDED
HOMESTRETCH No4
NOT INCLUDED
DISCOVERY WORK
SALMON BOY CLAIM
SHAFT 16'0"
HOMESTRETCH No1
HOMESTRETCH No 2
DISCOVERY WORK
N
300'
600'0"
600'00
END OF FIR OAR TRAIL
DISCOVERY WORK
DISCOVERY WORK
LUCKY BOY NOT INCLUDED
HOMESTRETCH No 3
GEOLOGICAL SURVEY POINT
LEFTOVER CLAIM #4
DISCOVERY WORK
24' SHAFT AND DRIFT
WASH TRAIL
S.30
S.19
SECTION LINE
NOTE:
VEINS RUNNING NORTHWESTERLY BY SOUTH EASTERLY

CROSS SECTION VIEW
CLAIM No. 3
SHAFT 24' BELOW OUTCROP.



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. 3392
Metal or Mineral Uranium
Date Received
Estimated Cost $22,325
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: Partnership see attached sheet.

(*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. Partnership - State of California

(*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 5 Lode Claims located in Copper Mountain - C-1/2 Miles East of Ft Dolan, Calif. Township 1 North Range 8 East Sections 19 - 30.

(*b*) State any mine name by which the property is known. Homestretch Mines and Exploration Co.

(*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. Owner

(*e*) If you own the land, describe any liens or encumbrances on it None

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

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 attached sheet.

(*b*) State past and current production, and ore reserves, if any, giving quantities and grades. None

(*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 attached sheet.

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

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

16—66551-1

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

Vanadium and other rare minerals.

(*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 attached sheets.

(*c*) The work will start within 30 days and be completed within six 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. As per attached sheets.

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. See attached sheets.

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

(*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. See Attached Sheet.

(*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. None.

(*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. See attached

(*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. See Attached Sheets.

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

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?

☐ Money ☒ Use of equipment owned by you ☒ Other

Explain in detail on acompanying paper.

CERTIFICATION

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

Dated June 5, 1954

Carl H. Pinderseed
(Applicant)
c/o P.O. Box 231-29 Palms Calif.

By William W. Lake

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

#1. (a)

Names and addresses of co-partners:

David S. Becker	P. O. Box 83, Catherdral City, California
George Tompson	General Delivery, Twentynine Palms, California
John S. Peterson	P. O. Box 231, Twentynine Palms, California
William G. Lake	1665 San Pasqual Street, Pasedena, California
Tanya Duane	P. O. Box 83, Cathedral City, California
R. J. Dickert	General Delivery, Twentynine Palms, California
Ray E. Smith	General Delivery, Twentynine Palms, California
Carl H. Anderson	P. O. Box 698, Del Mar, California

Please address all communications to:

Carl H. Andersen
P.O. Box 23I
Twenty-Nine Palms
California

#3 (f)

CLAIM RECORDINGS:

Claim No. 1 - Book No. 337, Page 45.
Claim No. 2 - Book No. 337, Page 46.
Claim No. 3 - Book No. 337, Page 47.
Claim No. 4 - Book No. 338, Page 125.
Claim No. 5 - Book No. 339, Page 276.

#4 (a)

3 Claims have only discovery work on them. 1 Claim has shaft approximately 24 Ft. deep, a crosscut on vein approximately 10 Ft. one other claim has shaft approximately 15 Ft. deep. Claim No. 3 with the 24'0" shaft can be reached by car. Claim No. 1 with the 15'0" shaft - there is a walk of about 1400 Ft. from Claim No. 3 - easy walking. Work done by all Partners.

(b)

No Past nor current production has been carried on.

(c) Country rock heavy folded. Mostly silicon - iron - calcium - aluminum - magnesium. Vein type DIP - 60 degree with ore sheets showing on surface. Spectographic Tests shows Sodium - Manganese - Copper - Barium Potassium - Titanium - Lithium - Vanadium - Silver - Gold and Uranium. Assays from Vanadium Corporation shows from 0.15 to 0.265 of Uranium and 0.54% - V2-O5 at a shallow depth of approximately 6 Ft. Our wish is to explore these deposits as indications here are that by depth, Good ore in large quantities can be found. Numerous outcroppings showing high radioactivity is found all over property.

(d) Project is reached by 5-1/2 miles paved road west of Twentynine Palms good gravel road, 1 mile north approximately 1 mile west of fair trail to claims. Nearest railroads 46 miles to Garnet, California - Santa Fe Railroad. Best road is to Amboy, California 58 miles - Union Pacific Railroad. Supply and Residence points, Twentynine Palms, California.

(e) Manpower can be had at Twentynine Palms, California and within our own Partnership. Materials, supplies, equipment can be had at San Bernardino, California. Water is found in valley below approximately 1 mile at from 260 Ft. to 375 Ft. depth. Hauling water by truck for drilling is suggested.

#5 (b)

PROPOSED WORK

Deepen shafts on claims No. 1 and 3 to Sulphide Zones with Crosscuts of Veins at different levels. Open veins at four suggested different points on property so as to expose ores. Vein outcroppings show an average of 12'0" in width. Attached is a map of property and workings on Claim No. 3. Claim No. 1 is similar. Work also includes building of road. Work with bulldozer where a dike crosses canyon - making access to Claims No. 2, No. 1, and No. 5 where mining would be done. A site for a camp could be had on any Claims and building for bunk house should be erected also, small cook house, head frame for hoist and timbered mine opening for Claims No. 1 and 3 only. Portable compressor for use in both shafts should be bought. A good used compressor would suffice. Water for drilling can be brought in in barrels or tank truck.

(d)

EXPERIENCE AND BACKGROUND OF OPERATING CREW AND SUPERVISORY STAFF.

These men are part of Partnership Owners.

Ray L. Smith: 6 years a miner and a prospector and in exploratory work. Also owner and mine operator.

Rudolph J. Hickers: 8 years miner and prospector.

Carl M. Andersen: 30 years prospector and miner - 8 months Colorado School of Mines - Lease holder and mine operator in Tucson, Arizona. Lease holder and mine operator in Randsburg, California.

David W. Becker: Past 5 years in building construction as Business Representative for A.F. of L.

John S. Petersen: 20 years prospecting and as a hobby student of geology, being the discoverer of the property herein described.

#6 (b)

LABOR, PROFESSION CONSULTANTS

Miners - 2 Wages per hour $2.35	Shafts 960 hours	$2256.00
Miners - 2 Drifting	100 Ft. drift - 800 hours	1880.00
Hoist Operator Wages per hour $2.75	1152 hours	3168.00
Carpenters and top man all around - Wages $2.78 per hour	1152 hours	3202.56
Mining Engineer Consultant Fee		400.00
Geological Consultant Fee		400.00
Insurance on Labor		1050.00
		$1,2356.56

$12,356.56

#6 (c)

ESTIMATE COST OF OPERATING MATERIALS AND SUPPLIES

Drill Stems 30 Ft. @ $2.00	60.00
Drill Bits - 320 pcs @ 60¢	216.00
Gasoline Hoist-Compressor and Light Plant - 12 gallons per day - 144 days - 1728 gallons @ 26¢ per gallon	448.28
50 Gallon oil for above	60.00
22 Boxes dynamite @ $13.00 per box	286.00
Fuses and Caps	35.00
Shovels, picks - approximately	40.00
	$ 1145.28
Hauling water and materials - own trucks	350.00
	$ 1495.28

(d)

ESTIMATE COST OF EQUIPMENT AND TOOLS

One compressor - used	1800.00
Jack hammer and hose	400.00
Hoist - portable-mountings and installation to be moved from one operation to the other	800.00
One portable power and light plant	500.00
	$ 3500.00

(g)

MISCELLANEOUS

Approximate cost of repair and maintenance on compressor - hoist and light plant.	$ 100.00
21 Assays and 2 Spectrographic Test	155.00
Accounting 6 months @ $25.00 per month	150.00
Accident Insurance and Public Liability	150.00
	$ 550.00

Workmens Compensation and Employers Liability Insurance and Payroll Tax none needed as Partners are doing own work.

(h) CONTINGENCIES $ 300.00

#6 (f)

NEW BUILDINGS

Improvements installations from used materials.

Portable bunkhouse and tool house 10 x 14 @ 4.00 per Ft.	$560.00
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How are we to supply 25% of Cost.

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VANADIUM CORPORATION OF AMERICA
DURANGO, COLORADO

April 13, 1954

G. M. Thompson
P. O. Box 669
Cathedral City, California

REPORT OF ASSAY RESULTS

Date	Lot No.	Name of Claim	$\%V_2O_5$	$\%U_3O_8$	$\%\ C^aCO_3$
	2510		0.54	.265	

Very truly yours,

VANADIUM CORPORATION OF AMERICA

C
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Form No. Met. IV-1
(June 1953)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

1600 East 1st South
Salt Lake City, 1, Utah
April 12, 1954

G. M. Thompson

Cathedral City, California

RADIOACTIVE SAMPLE REPORT

Sample Reference No: UP-1784-2

Name and Location of Property:

Near Twentynine Palms
San Bernardino County, California

Nature and Analysis of Sample:

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Remarks:

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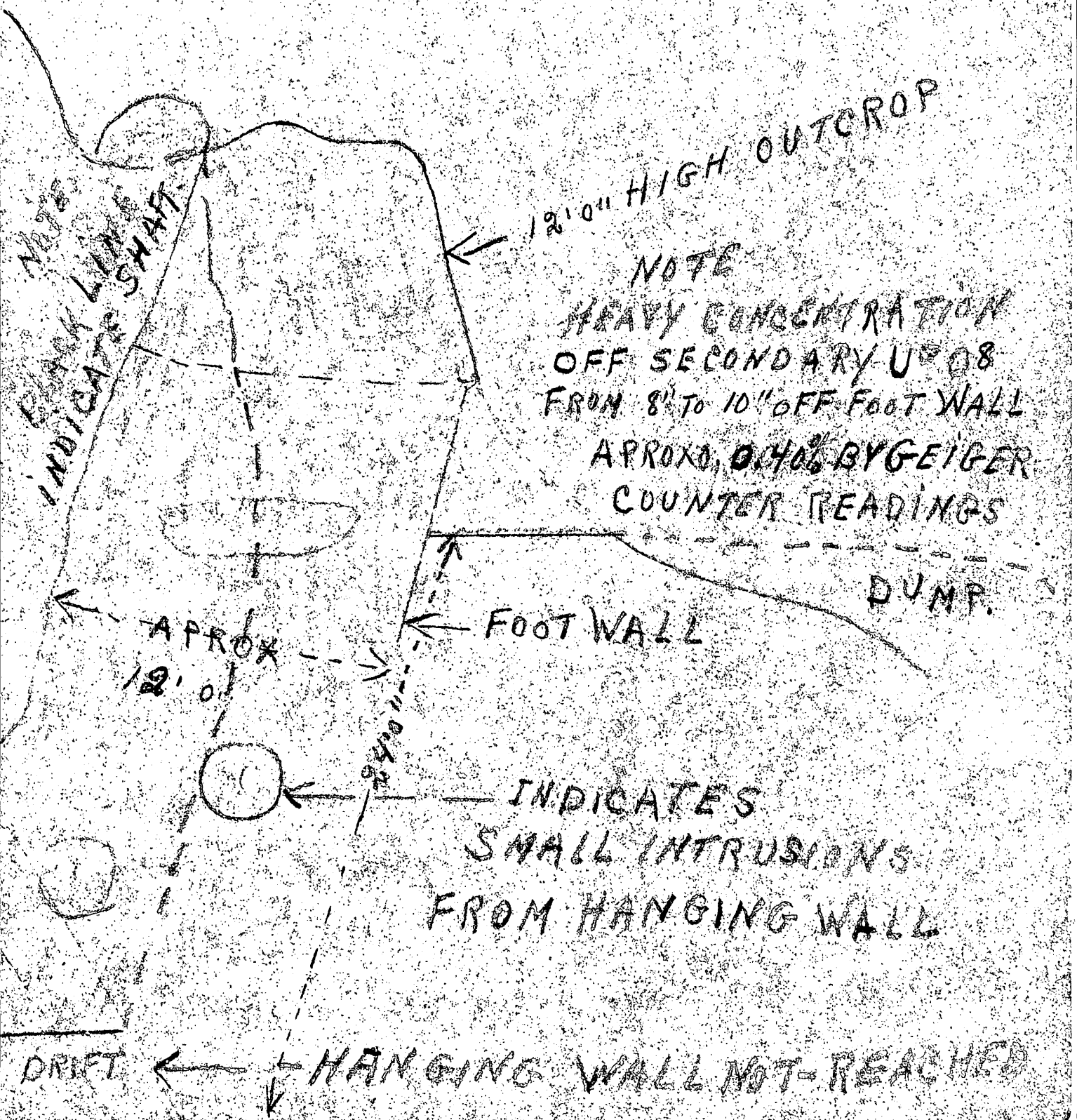
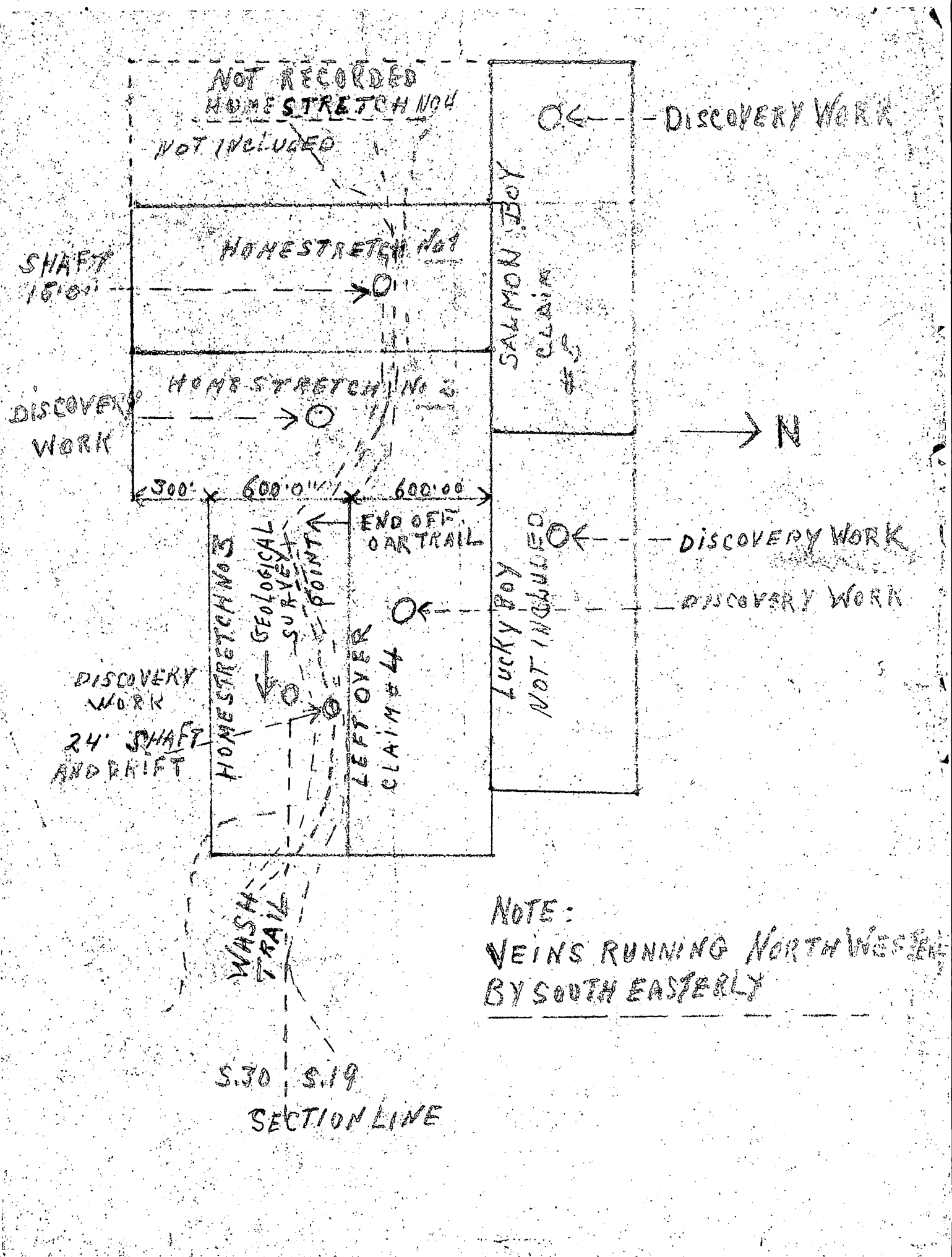
(Examined by E. G. Irwin, Petrographer)

Signed: Heber E. Peterson, Chief
Chemical and Physical Analysis Branch
Metallurgical Division
Region IV

CROSS SECTION VIEW
CLAIM. No. 3
SHAFT 24' BELOW OUTCROP.

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DISCOVERY WORK
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WASH TRAIL
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S.19
SECTION LINE
NOTE:
VEINS RUNNING NORTHWESTERLY BY SOUTH EASTERLY

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

Address reply to:
U. S. Atomic Energy Commission
P. O. Box 4336, Commerce Station
Phoenix, Arizona

Date June 3, 1951

Mr. William J. Lake
1665 San Pascual Street
Pasadena 5, California

Dear Mr. Lake:

Assay returns of samples submitted by you to the Tucson Office of the U. S. Bureau of Mines have been received by this office. A radiometric assay of 0.02% equivalent U_3O_8 (Uranium Oxide) was obtained from your sample.

We would appreciate receiving from you a sample of your ore along with a brief description of its occurrence, in order that we may schedule an examination of the property.

Enclosed are the following forms which we would like you to complete and return to this office: Information Requested Concerning Samples Submitted for Examination (Form 95), Application to Publish Data, and Affidavit and Request for Factual Data Form.

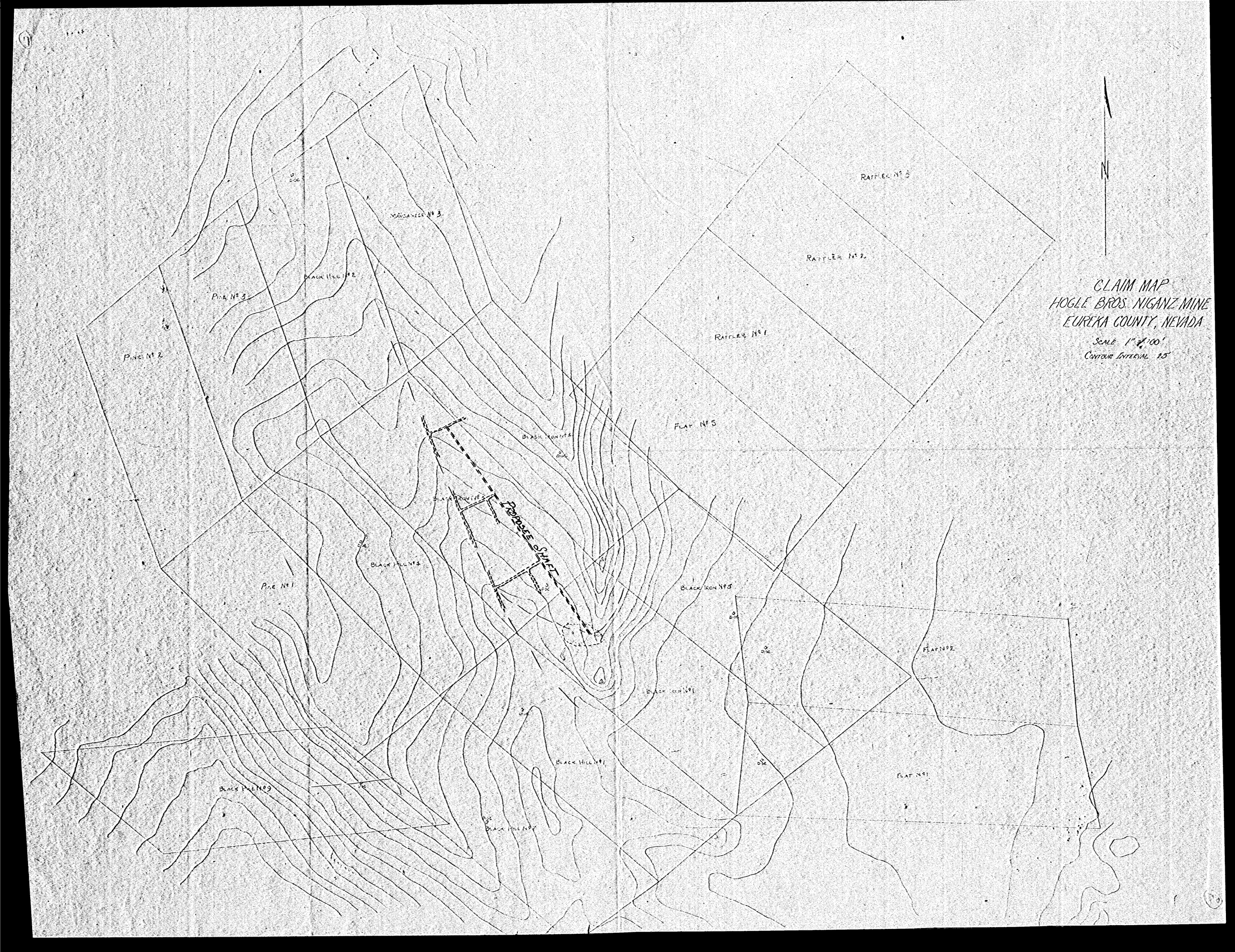
Thank you for your interest in the Atomic Energy Commission's program of exploration of uranium ores.

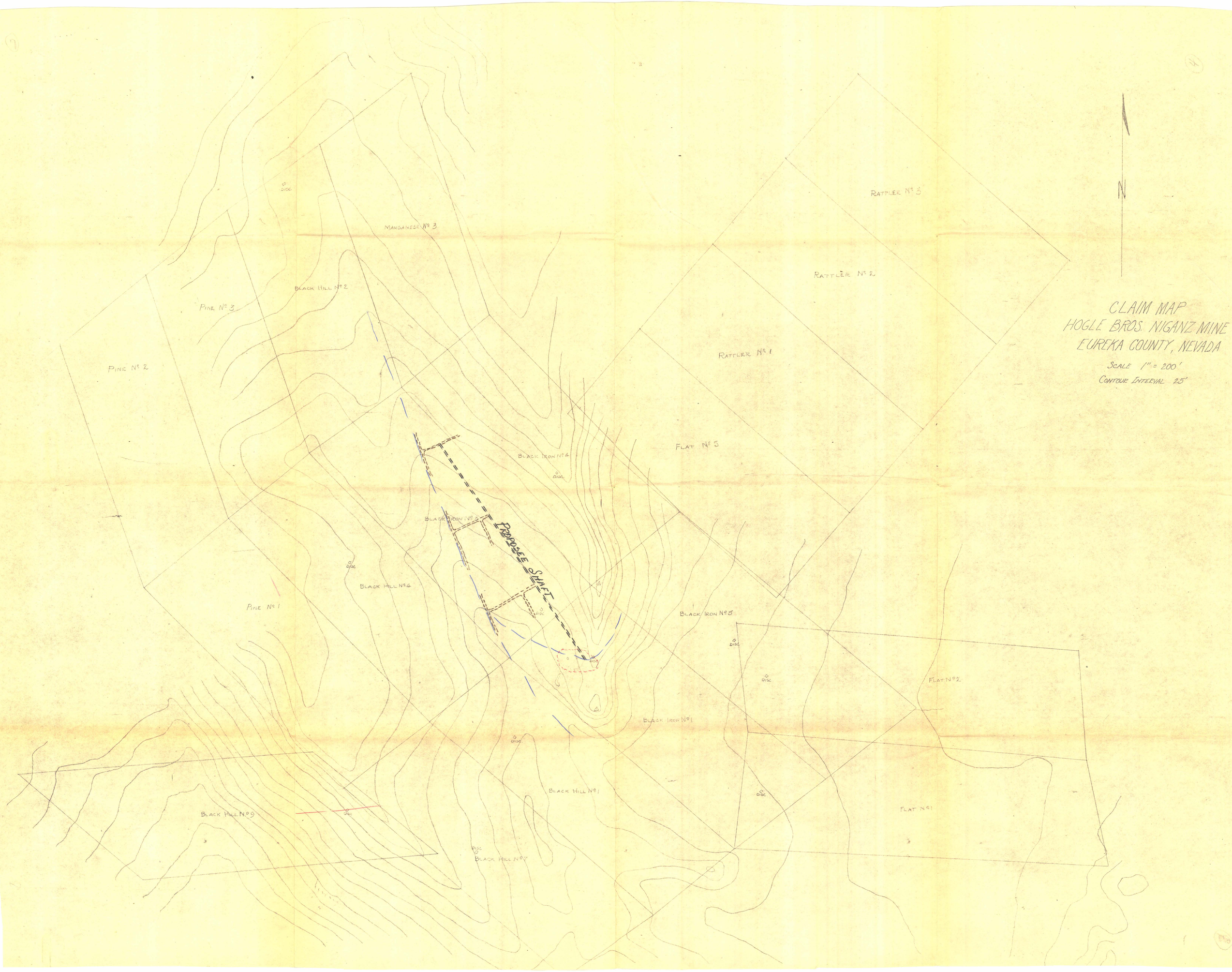
Very truly yours,

A. J. Rambosek

A. J. Rambosek, Acting Chief
Phoenix Sub-Office
Salt Lake Exploration Branch
Division of Raw Materials

Encls:
As above


CLAIM MAP
HOGLE BROS. NIGANZ MINE
EUREKA COUNTY, NEVADA
SCALE 1" = 100'
CONTOUR INTERVAL 25'
N
RATTLER Nº 3
RATTLER Nº 2
RATTLER Nº 1
FLAT Nº 5
FLAT Nº 2
FLAT Nº 1
BLACK IRON Nº 5
BLACK IRON Nº 1
BLACK IRON Nº 4
BLACK IRON Nº 3
BLACK HILL Nº 4
BLACK HILL Nº 3
BLACK HILL Nº 2
BLACK HILL Nº 1
BLACK HILL Nº 7
BLACK HILL Nº 9
PINE Nº 3
PINE Nº 2
PINE Nº 1
PROPOSED SHAFT
DISC


CLAIM MAP
HOGLE BROS. NIGANZ MINE
EUREKA COUNTY, NEVADA
SCALE 1" = 200'
CONTOUR INTERVAL 25'
N
RATTLER Nº 3
RATTLER Nº 2
RATTLER Nº 1
FLAT Nº 5
FLAT Nº 2
FLAT Nº 1
MANGANESE Nº 3
BLACK HILL Nº 2
PINE Nº 3
PINE Nº 2
PINE Nº 1
BLACK IRON Nº 4
BLACK IRON Nº 3
BLACK IRON Nº 5
BLACK IRON Nº 1
BLACK HILL Nº 4
BLACK HILL Nº 1
BLACK HILL Nº 9
BLACK HILL Nº 7
PROPOSED SHAFT
DISC