DMA Form 1

DEFENSE MINERALS ADMINISTRATION
Control Slip

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DMA Docket No. 3359

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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	5/21/54
To:	Open Com	Date	6-11-54
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CONTROLLED DOCUMENT

DMEA 3359 Nevada Rosegold Placers Inc *Box* B183 Stack 5, Shelf 3, Pos 3

Property Granite Point Claims *Site*

State NV *County* HUMBOLDT

Commodity Uranium

More

Year 1955

Status Application Denied

Contract

Section 4 *Other*

Township 45 N *Other*

Range 34 E *Other*

Meridian

Latitude 41.8101 *Longitude* -118.16 *Mining District*

Number

Location Notes

Notes

	Name	*Notes*
Applicant	Nevada Rosegold Placers Inc.	
Property	Granite Point Claims	

Document	*Location*	*Container*	*Date*	*Notes*
Docket	1-Folder			

Nevada Rosegold Placers, Inc.

DMEA-3359

6	5	4X	3	2	1
7	8	9X	10	11	12
18	17	16X	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

East 1/2 Sec. 4 T. 45 N.
R. 34 E.

moonlight claims in
sec's. 9 & 16 T. 45 N.
R. 34 E. DMEA-3305

Surname Copy

Ching
Alps
Gehan
Kilegaard
Martin
J. Johnson

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

AUG 10 1955

Mr. Albert Simrak, Secretary
Nevada Rosegold Placers, Inc.
200 Davis Street
San Francisco 11, California

Re: Docket No. DMEA-3359 (Uranium)
Granite Point Claims
Humboldt County, Nevada

Dear Mr. Simrak:

Your application for aid in an exploration project and other data 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 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,

C. O. Mittendorf

Administrator

FMMurphy:ai
8/5/55
cc to: Admr. Reading File
Operating Committee
Docket
Messrs. J. E. Crawford, Rm 3641
T. H. Kiilsgaard, Rm. 5224
J. O. Hosted, Rm. 3210, GSA
Code 700
Mr. Ching
DMEA Field Team, Region II (2)

R.C.h.

POCKET COPY

Ching Ellis!

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

August 4, 1955

Summary of Proposed Project

Object: Denial of application for an exploration project.

Docket No: DMEA-3359

Applicant: Nevada Rosegold Placers, Inc.
200 Davis Street
San Francisco 11, California

Commodity: Uranium

Property: 8 lode mining claims, Granite Point Nos. 4, 5, 7, 8, 9, 11, 12, and 13, Section 4, T. 45 N., R. 34 E., Humboldt County, Nevada.

Date of Application: May 14, 1954

Amount of Application: $49,000.00

Work Proposed: Phase I. Drill 11 diamond drill holes aggregating 2000 feet along a fault zone at a total cost of $21,000.00.

Phase II. Sink a shaft 200 feet at a point indicated by the diamond drilling at a total cost of $28,000.00.

Field Team Report: Dated July 22, 1954.

By A. O. Taylor and J. F. Powers, USGS
Glenn G. Gentry, USBM

There are no exposed uranium ore deposits on the Granite Point claims and only two occurrences of locally abnormal radioactivity. A sample from one of these occurrences assayed only .02% U_3O_8. No favorable silicified ~~rocks~~ reefs are exposed on the property.

The applicant has projected an alleged vein and fault from a point approximately 1200 feet south of the Granite Point claims and it is this projected structure that is the target for the proposed drilling. Examination of the area from which the projection was made showed slightly pyritized and altered ryolite and basalt on either side of a normal contact. The contact is not abnormally radioactive and, apparently, was mistaken for a vein and fault by the applicant.

It is concluded that the proposed exploration is without geologic merit and it is recommended that the application be denied.

Commodity Members' Comments:

U. S. Geological Survey

Arthur P. Butler, Jr., August 13, 1954

Data contained in the Field Team report indicates that the proposed exploration would be unsuccessful in discovering a significant amount of uranium. Concurs with the Field Team recommendation that the application be denied.

U. S. Bureau of Mines

John E. Crawford, September 22, 1954.

Believes that the application should be denied on the basis of the Field Team's conclusion that further exploration probably would not reveal a uranium-bearing deposit of any economic significance.

Rare and Miscellaneous Metals Division

Michael Ching, August 2, 1955

Final denial of the application was held in abeyance upon recommendation of the Executive Officer, Region II, pending outcome of drilling by the applicant and results of exploration at the nearby Platora property (DMEA-3305). In a letter dated July 28, 1955, Mr. Ricker advised that applicant did not furnish his office with any pertinent data on the above-mentioned drilling, but he was informed by the AEC that such drilling did not disclose any interesting data.

Data received to date on the Platora project has been erratic. The AEC advised Mr. Ricker that there is no direct relationship between the mineralization at the Platora property and any possible mineralization on the subject property.

Conclusions and Recommendations:

There appear to be no favorable geologic criteria to warrant an exploration project. Results of drilling by the applicant were negative. It is recommended that the application be denied.

Ernest Wm. Ellis

Ernest Wm. Ellis, Chief
Rare and Miscellaneous
Metals Division

DMEA 8/2/55 gla

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

1605 Evans Avenue
Reno, Nevada

July 28, 1955

Memorandum

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

From: Executive Officer, DMEA Field Team, Region II

Subject: Docket No. DMEA-3359 (Uranium)
Nevada Rosegold Placers, Inc.
Granite Point Claims
Humboldt County, Nevada

Reference is made to your letter of July 25, 1955 requesting our suggestion on status of above subject docket.

We recommend that the application for aid be denied. The applicant has not furnished us with any pertinent data on his drilling in the area and we understand from the AEC office located here that drilling operations have been discontinued. In their opinion, the work has not disclosed any interesting data.

Recent results by the AEC samples on the Platora (DMEA-3305) has led to some confusing analysis, and final report on the Platora is being held up until we can iron out the erratic data we have at this time. AEC, however, assures me that the Nevada Rosegold Placers area bears no direct relationship with the mineralization at the Platora.

S. Ricker

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

RECEIVED

1605 Evans Avenue
Reno, Nevada

July 28, 1955

Memorandum

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

From: Executive Officer, DMEA Field Team, Region II

Subject: Docket No. DMEA-3359 (Uranium)
Nevada Rosegold Placers, Inc.
Granite Point Claims
Humboldt County, Nevada

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S. Ricker

SRicker:gh
cc: R. M. Smith
H. C. Miller
File

700

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

Surname copy

Ching
Ellis
Martin
Fehrman
Matteucci

JUL 2 5 1955

Mr. Spangler Ricker
Executive Officer
DMEA Field Team, Region II
U. S. Bureau of Mines
Rare and Precious Metals Experiment Station
1605 Evans Avenue
Reno, Nevada

Re: Docket No. DMEA-3359 (Uranium)
Nevada Rosegold Placers, Inc.
Granite Point Claims
Humboldt County, Nevada

Dear Mr. Ricker:

Reference is made to your memoranda of November 22, 1954, and March 10, 1955, in which you recommended that the subject application be held in abeyance pending the outcome of drilling by the Applicant and of exploration at the adjoining Platora property (DMEA-3305).

We have received no information regarding the outcome of drilling by the Applicant, and information received to date on the Platora project has not been encouraging.

Will you kindly advise whether or not the subject application should be denied immediately.

Sincerely yours,

W. S. Martin
ACTING Chairman, Operating Committee (JHB)

APPROVED:

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

Thor H. Kiilsgaard (JHB)
Member, Geological Survey

MChing/gla
7-21-55
cc to: Admr.'s Reading File
Operating Committee
Docket
Messrs. JECrawford, Rm. 3641
THKiilsgaard, Rm. 5224
JOHosted, Rm. 3210, GSA
Code 700
Mr. Ching

RCh.

3/15/55 gla

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

1605 Evans Avenue
Reno, Nevada

March 10, 1955

Memorandum

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

From: Exeuutive Officer, DMEA Field Team, Region II

Subject: Docket No. DMEA-3359 (Uranium)
Nevada Rosegold Placers, Inc.
Granite Point Claims
Humboldt County, Nevada

Reference is made to your letter of March 7, 1955 on above subject application.

During the past few days, work at the adjoining Platora Mine, Docket No. DMEA-3305, Contract No. Idm-E697, has disclosed uranium mineralization estimated by Operator to contain 0.30 percent U_3O_8. A discovery at this property would materially affect possibilities at the above subject property.

We recommend, therefore, that the application be held in abeyance for a short time.

S. Ricker

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAR 14 1955

1605 Evans Avenue
Reno, Nevada

March 10, 1955

Memorandum

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

From: Executive Officer, DMEA Field Team, Region II

Subject: Docket No. DMEA-3359 (Uranium)
Nevada Rosegold Placers, Inc.
Granite Point Claims
Humboldt County, Nevada

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S. Ricker

SRicker:gh
cc: R. M. Smith
H. C. Miller
File

700

Surname copy

Ching
Ellis
Selfridge
Johnson
Matthews

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

Mr. Spangler Ricker
Executive Officer
DMEA Field Team, Region II
420 Custom House
555 Battery Street,
San Francisco 11, California

MAR 7 - 1955

Re: Docket No. DMEA-3359 (Uranium)
Nevada Rosegold Placers, Inc.
Granite Point Claims
Humboldt County, Nevada

Dear Mr. Ricker:

Reference is made to your memorandum of November 22, 1954, with attached letter from the Applicant dated November 18, regarding the subject application.

Deferment of action on this application has now greatly exceeded the 45 days requested. Will you kindly advise whether or not further delay is warranted.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee

APPROVED:

J. H. Hedges
Member, Bureau of Mines

E. L. Newcomb
Member, Geological Survey

MChing/gla
3-4-55
cc to: Admr.'s Reading File
Operating Committee
Docket
Messrs. J. E. Crawford, Rm. 3641
T. H. Kiilsgaard, Rm. 5224
J. O. Hosted
Code 700
MChing

Case

11/29/54 gla

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

420 Custom House
555 Battery Street
San Francisco 11, Calif.

November 22, 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-3359 - Uranium
Nevada Rosegold Placers, Inc.
Granite Point Claims
Humboldt County, Nevada

Attached is a copy of a letter dated November 18, 1954, from Mr. Albert S. Simrak, which is in reply to my letter of November 16, 1954, requesting information called for in your letter of November 10, 1954, on the above-referenced docket.

It is apparent from Mr. Simrak's letter that pertinent data have not yet been obtained from the drilling thus far that could influence the recommendation for denial of exploration aid. However, it would seem that final denial of the application might well be deferred until the completion of the drilling currently being done which Mr. Simrak estimates will take 45 days. I would recommend that course of action unless it is contrary to DMEA policy.

S. Ricker
Executive Officer
DMEA Field Team, Region III

Attachment

Copy to: Roscoe Smith, USGS
A. C. Johnson, Reno

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

420 Custom House
555 Battery Street
San Francisco 11, Calif.

November 22, 1954

Memorandum

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

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket No. DMEA-3359 - Uranium
Nevada Rosegold Placers, Inc.
Granite Point Claims
Humboldt County, Nevada

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S. RICKER

S. Ricker
Executive Officer
DMEA Field Team, Region III

Attachment

Copy to: Roscoe Smith, USGS
A. C. Johnson, Reno

Refer to	Noted	Date
S. Ricker	SR	11/

DOUBLE O TIMBER & MINING COMPANY

Affiliated Companies
Nevada Rosegold Placers, Inc.
Hamilton Consolidated Mines Corp.
Gold Zone Mining Corporation

Room 200, 210 Post Street
Telephone YUkon 6-4892
San Francisco 11, California

November 18, 1954

Mr. S. Ricker, Executive Officer,
DMEA Field Team, Region III,
555 Battery Street,
San Francisco, 11, California.

Re: Docket No. DMEA 33

Dear Mr. Ricker:

Please be advised we have again undertaken additional diamond drilling on our Granite Point Claims, which we are most hopeful will definitely disclose the location and presence of the same mineralization and fault structure that is surfaced and now being explored on the Moonlight property to our south.

There was some little delay in securing the services of Boyles Bros. Drilling Company for this work, which was programmed for about 1000 feet of hole, but the drilling is progressing in a very satisfactory manner at this time, and the schedule should be completed and a determination made within the next 45 days.

We trust it will be convenient to hold this application in abeyance until our scheduled work is completed or encouraging and successful results be realized prior thereto. However, in either event you will be duly notified within the above specified time.

Very truly yours,

Nevada Rosegold Placers, Inc.

Albert S. Simrak

Albert S. Simrak, Sec.

11/23/54
gh

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

420 Custom House
555 Battery Street
San Francisco 11, Calif.

November 16, 1954

Mr. Albert Simrak, Secretary
Nevada Rosegold Placers, Inc.
200 Davis Street
San Francisco 11, California

Re: Docket No. DMEA-3359 - Uranium
Nevada Rosegold Placers, Inc.
Granite Point Claims
Humboldt County, Nevada

Dear Mr. Simrak:

Relative to above docket you will recall that our final decision on your application for DMEA exploration aid was being held in abeyance until we received data on current diamond drilling being done by you on the Granite Point Claims.

Will you please advise us if any pertinent data has been obtained by the drilling that might change the recommendation made by our engineers and geologists in their last appraisal of your property.

Sincerely yours,

S. RICKER

S. Ricker
Executive Officer
DMEA Field Team, Region III

Copy to: DMEA, Washington, D. C.
A. C. Johnson, Reno
Roscoe 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, Calif.

November 16, 1954

Mr. Albert Simrak, Secretary
Nevada Rosegold Placers, Inc.
200 Davis Street
San Francisco 11, California

Re: Docket No. DMEA-3359 - Uranium
Nevada Rosegold Placers, Inc.
Granite Point Claims
Humboldt County, Nevada

Dear Mr. Simrak:

Relative to above docket you will recall that our final decision on your application for DMEA exploration aid was being held in abeyance until we received data on current diamond drilling being done by you on the Granite Point Claims.

Will you please advise us if any pertinent data has been obtained by the drilling that might change the recommendation made by our engineers and geologists in their last appraisal of your property.

Sincerely yours,

S. RICKER

S. Ricker
Executive Officer
DMEA Field Team, Region III

Copy to: DMEA, Washington, D. C.
A. C. Johnson, Reno
Roscoe Smith, USGS

NOV 1 0 1954

Mr. Spencer Acker
Executive Officer
DMEA Field Team, Region III
400 Custom House
555 Battery Street
San Francisco 11, California

Re: Docket No. DMEA-1359 (Uranium)
Nevada Hoseyold Lacerd, Inc.
Granite Point Claims
Humboldt County, Nevada

Dear Mr. Kincer:

On July 27, 1954, Mr. M. C. Miller forwarded four copies of a Field Team report on the subject property which recommended denial of the application for exploration aid.

Because the Applicant was doing diamond drilling for his own account at the time, Mr. Miller recommended that final denial of the application be deferred until such time as the Field Team can ascertain the results of the drilling.

Will you kindly advise us whether or not the results of the drilling are now available and whether a final denial should be deferred further.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee

Attested:

J. H. Hedges

Member, Bureau of Mines

E. L. Newcomb

Member, Geological Survey

McIngram
11-8-54
cc to: Admr. Reading File
Operating Committee
Docket
Messrs. J. L. Crawford, Rm. 3641
T. H. Killegaard, Rm. 5224
J. O. Hosted, Rm.3210,GSA
Code 700
Mr. Ching

Surname 700

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

Ching
Ellis
Selfridge
Newcomb

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

NOV 10 1954

Re: Docket No. DMEA-3359 (Uranium)
Nevada Rosegold Placers, Inc.
Granite Point Claims
Humboldt County, Nevada

Dear Mr. Ricker:

On July 27, 1954, Mr. H. C. Miller forwarded four copies of a Field Team report on the subject property which recommended denial of the application for exploration aid.

Because the Applicant was doing diamond drilling for his own account at the time, Mr. Miller recommended that final denial of the application be deferred until such time as the Field Team can ascertain the results of the drilling.

Will you kindly advise us whether or not the results of the drilling are now available and whether a final denial should be deferred further.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee (SHB)

APPROVED:

J. H. Hedges

Member, Bureau of Mines (SHB)

E. L. Newcomb

Member, Geological Survey (SHB)

MChing:am
11-8-54
cc to: Admr. Reading File
Operating Committee
Docket
Messrs. J. E. Crawford, Rm. 3641
T. H. Kiilsgaard, Rm. 5224
J. O. Hosted, Rm. 3210, GSA
Code 700
Mr. Ching

R.C.B.

9/23/54 gla

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
SEP 23 1954

September 22, 1954

Memorandum

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

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

Subject: Field Team Examination - DMEA Docket 3359 (Uranium), Nevada Rosegold Placers, Inc., Granite Point Claims, Humboldt County, Nevada

I have reviewed the attached subject report of examination by the field team.

Inasmuch as the Field Team report indicates that further exploration probably would not reveal a uranium-bearing deposit of any economic significance, I believe the application for Nevada Rosegold Placers should be denied.

If the applicant turns up additional, convincing information at a later date, then a new application for assistance should be submitted by him at such time for reconsideration of the project.

John E. Crawford
John E. Crawford

Attachment

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
SEP 23 1954

September 22, 1954

Memorandum

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Uranium Commodity Committee, Room 4640

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

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John E. Crawford

Attachment

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

September 22, 1954

Memorandum

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

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

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John E. Crawford

Attachment

8-17-54
A. Cu.

STANDARD FORM NO. 64

Office Memorandum • UNITED STATES GOVERNMENT

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

DATE: August 13, 1954

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

SUBJECT: Report of examination DMEA Docket 3359 (uranium), Nevada Rosegold Placers, Inc., Granite Point claims, Humboldt County, Nevada

The Field Team report concerning exploration on the property identified above has been reviewed. Data contained in the report indicates that the proposed exploration probably would be unsuccessful in discovering a significant amount of uranium. Therefore, I concur with the recommendations as set forth in the Field Team report that the application be denied.

Information contained in Mr. H. C. Miller's transmittal memorandum, dated July 27, 1954, indicates that the applicant is, at present, engaged in some exploratory work on the property and that final denial of the application should be deferred until the results of this work are ascertained. However, I recommend that the application be denied and that should the results of the present exploration be favorable that the applicant should then submit a new application based on those results.

Arthur P. Butler Jr

Copy to: E. Wm. Ellis (2)

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

August 13, 1954

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

Report of examination DMEA Docket 3359 (uranium), Nevada Rosegold Placers, Inc., Granite Point claims, Humboldt County, Nevada

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Copy to: E. Wm. Ellis (2)

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

August 13, 1954

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

Report of examination DMEA Docket 3359 (uranium), Nevada Rosegold Placers, Inc., Granite Point claims, Humboldt County, Nevada

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Copy to: E. Wm. Ellis (2)

G eu
8-9-54

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

RECEIVED
AUG 2 - 1954

420 Custom House
555 Battery Street
San Francisco 11, Calif.

July 27, 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-3359 - Uranium
Nevada Rosegold Placers, Inc.
Granite Point Claims
Humboldt County, Nevada

Reference is to your letter dated June 15, 1954, requesting an investigation of the subject application and our recommendation.

In order to make a satisfactory recommendation, a field examination was ordered. The examination was made on June 4, 1954, and four copies of a report on the geologists' and engineer's findings entitled "DMEA-3359, Granite Point Mining Claims, Humboldt County, Nevada," by A. O. Taylor, and J. F. Powers, Geologists, U. S. Geological Survey, and Glenn G. Gentry, Mining Engineer, U. S. Bureau of Mines, dated July 22, 1954, are attached.

The engineer and geologists are in agreement that further exploration on the property is not warranted with Government financial assistance.

According to their report, no exposed uranium deposits occur in the volcanic rock. A sample taken at the base of the rhyolite cliff where the highest radioactivity was found assayed .02 per cent U_3O_8. The equivalent uranium content of the rhyolite, although geochemically abnormal, is insufficient to warrant economic development.

On the basis of the report, Mr. Smith and I concur with the recommendations made by the geologists and engineer. However, on the basis of information given me by Mr. Albert Simrak, Secretary, Nevada Rosegold Placers, Incorporated, over the phone on July 26, denial of the application should be held in abeyance for a short time. Mr. Simrak apparently had a "hunch" that the report was unfavorable.

Reviewed by
DMEA OPERATING COMMITTEE
8-6-54
(date)

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In view of the work under way at the property, final denial of the application should be deferred until such time as our engineer can ascertain the results of the present drilling.

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

Attachment

Copy to: Roscoe Smith, USGS
A. C. Johnson, Reno

UNITED STATES
DEPARTMENT OF THE INTERIOR
DOUGLAS McKAY, SECRETARY

DEFENSE MINERALS EXPLORATION ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM
REGION III

DMEA-3359, Granite Point Mining Claims

Humboldt County, Nevada

A. O. Taylor, Geologist
J. F. Powers, Geologist
U. S. Geological Survey

Glenn G. Gentry, Mining Engineer
U. S. Bureau of Mines

July 22, 1954

Reviewed by
DMEA OPERATING COMMITTEE
8-6-54
(date)

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
AUG 2 - 1954

REPORT OF EXAMINATION

Docket No.: DMEA-3359 (Uranium)

Name and address of applicant: Nevada Rosegold Placers, Inc.,
200 Davis Street
San Francisco 11, Calif.

Name and location of property: Granite Point Mining Claims
Humboldt County, Nevada

INTRODUCTION

Nevada Rosegold Placers, Inc. has applied to the Defense Minerals Exploration Administration for a loan to be used in exploring for uranium at the Granite Point claims northwest of Orovada, Humboldt County, Nev.

A field examination was requested by the Field Team, Region III, to determine the feasibility of an exploration drilling program on the Granite Point claims. The examination was made on June 4, 1954 by A. O. Taylor and J. F. Powers of the Geological Survey accompanied by Mr. Albert S. Simrak, lessee and Mr. M. E. Bohannan, one of the owners of the property, and again on June 5, 1954 by John F. Powers and Glenn G. Gentry, engineer of the Bureau of Mines.

NAME AND LOCATION OF PROPERTY

The Granite Point claims are located on the west side of a northerly trending mountain range between King's River and Quinn River Valleys in section 33 or 4 (exact status unknown), T. 45 N., R. 34 E., about two

miles north of the Moonlight Mine in northern Humboldt County, Nevada, fig. 1. The property can be reached from U.S. Highway 95 at Orovada by driving west 24 miles over Thacker Pass on a well traveled, graded and graveled road, thence 8 miles north over a dirt road in fair condition, then one mile east over a newly made mine access road. The property is accessible the year round except for short periods during the winter. The nearest railway is at Winnemucca, 76 miles by road.

APPLICANT'S PROPERTY RIGHTS

The Granite Point Mining claims are listed in the option to purchase, as Nos. 4, 5, 7, 8, 9, 11, 12, and 13 and are recorded in the Office of the Humboldt County Recorder, Winnemucca, Nev. Additional mining claims are reported to have been taken up by the applicant during recent months.

The mining claims are held by right of location by L. B. Wilkerson, L. R. Murdock, John G. Murdock, who granted an option to purchase to M. E. Bohannan on December 1, 1953. A copy of this option to purchase is attached to the application.

M. E. Bohannan reports that he has subleased the mining property to the Nevada Rosegold Placers, Inc., however, the applicant has not submitted a copy of this sublease.

The application states the mining claims are located in the east 1/2 of section 4, T. 45 N., R. 34 East, and in the north central part of Humboldt County, Nev., in an unnamed mining district.

DESCRIPTION OF PROPERTY

There are no improvements on the mining claims and no mining development has been done by the applicant, with the exception of building approximately two miles of access roads. The applicant reports the expenditure of about $4,000.00 for road work which can also be applied as assessment work on the claims.

GEOLOGY

The mountain range at the Granite Point property is made up of volcanic and plutonic rocks that have been block faulted and tilted to the east. The regional strike of the rocks is north-south. The volcanic rock sequence exposed is composed of thick lenticular cliff-forming rhyolite flows that form a heavy mangle of talus on an underlying altered basalt. All of the volcanic rocks are probably of Miocene or Pliocene age. The volcanic rocks rest unconformably on an older quartz monzonite or granodiorite.

Individual flows of the rhyolite are as much as 150 feet thick. The rock is buff colored on fresh fracture and brown on weathered surfaces. On most of the exposures examined, the flow banding was irregular but generally dips to the east. The rhyolite has two main joint systems -- east-west and north-south. In places along the cliff, erosion has cut down into the east-west set of joints and made deep, narrow gulleys.

The highest radioactivity found on the property is in the rhyolite (fig. 2). Radioactivity measurements taken at the base of the rhyolite

cliff show that the rock has a background count of three to four times that usually found in rhyolites in the Basin and Range province, and about seven to eight times the normal reading of the underlying altered basalt. Background radioactivity for the rhyolite was .035 mr/hr while the average reading was .10 mr/hr. Radioactivity measurements on the rhyolite talus which mantles much of the Granite Point claims ranged from .03 to .04 mr/hr.

Underneath the rhyolite, exposed in three places by bulldozer stripping, is a soft, green, intensely altered basalt containing abundant stellate labradorite crystal growths. The green color of the rock is due to chlorite-carbonate alteration. Radioactivity measurements of this rock were between .013 mr/hr and .03 mr/hr.

The talus mantle covering the slopes of the Granite Point claims is from ten to twelve feet thick and could cover other flows and any structures, mineralized or otherwise. However, it is likely that any silicification of the volcanic rocks would cause them to outcrop in cliffs or craggy points. Silicification is prominently associated with the uranium deposit at the Moonlight Mine about one mile to the south.

ORE DEPOSITS

There are no exposed uranium ore deposits on the Granite Point claims, and only two occurrences of locally abnormal radioactivity.

The applicant has projected an alleged vein and fault from a

point approximately 1200 feet south of the Granite Point claims and it is this projected structure that is the target for the proposed diamond drilling. Examination of the area where the projection was made from, showed slightly pyritized and altered rhyolite and basalt on either side of a normal contact. The contact is not abnormally radioactive. The contact at this point strikes north and dips to the east. Flow banding in the rhyolite also strikes north and dips to the east. It is probable that the applicant mistakenly projected the flow banding and alteration along the contact as a vein and fault.

Abnormal radioactivity was found in a small pit in the rhyolite 300 feet northeast from proposed drill hole 2a in Granite Point No. 8 claim. DMEA sample 1303 collected at the pit assayed .02 percent U_3O_8. No uranium minerals were observed in the pit.

PRODUCTION

There has been no production of ore from the Granite Point claims.

MANPOWER, SUPPLIES, ETC.

There is no transmitted electric power in this area and all mechanical equipment would probably be actuated by either gasoline or Diesel motors.

Water for mining purposes would have to be hauled from sources approximately one mile from the property.

PROPOSED EXPLORATION

Based upon a report of examination made by Mr. Fred L. Humphrey,

professional engineer, dated February 16, 1954, the applicant has proposed to use the funds requested in a two phase exploration program as follows:

Phase 1:-	Diamond drilling - 1500-2000 feet	$12,900.00
	Engineering and geological personnel	1,000.00
	Supervision	2,000.00
	Tractor work	400.00
	Materials and supplies	500.00
	Pick-up truck & road building	1,400.00
	Repairs and insurance	500.00
	Miscellaneous & contingencies	2,300.00
		$21,000.00
Phase 2:-	Sinking single compartment shaft, 200 feet	$16,000.00
	Engineering & supervision	1,000.00
	Supplies - timber, etc.	1,000.00
	Pickup for transportation	300.00
	Tractor rental	400.00
	Compressor, jackhammer, steel & bits	500.00
	Hoist, cable, other equipment	4,500.00
	Trailer house & camp bldgs.	2,000.00
	Maintenance & repairs	200.00
	Insurance and taxes	100.00
	Contingencies	2,000.00
		$28,000.00

Under phase 1, the applicant states: "It is proposed to diamond drill portions of this property to try to locate the mineralized fault which runs in a north-south direction through the major portion of our property and no doubt is responsible for the strong radioactivity to be found on the cross fractures."

Under phase 2, the applicant states: "Following the location of the mineralized fault by drilling, a shaft site will be selected at the point of the strongest radioactivity as located by assay of drill core. It is then

planned to sink a shaft to an approximate depth of 200 feet and prepare for mining. It is anticipated that production of ore on conclusion of shaft sinking will provide sufficient funds for all additional development costs and mining."

SUMMARY AND CONCLUSIONS

Rhyolite and basalt flows of late Tertiary age, that have a general strike to the north and dip east at low angles are exposed on the Granite Point claims. No exposed uranium ore deposits occur in any of the volcanic rocks.

Radioactivity was checked at numerous points along the rhyolite cliff and in the cuts where bedrock was exposed and ranged from .013 to .3 mr/hr and averaged .10 mr/hr in the rhyolite. A sample taken at the base of the rhyolite cliff where the highest radioactivity was found assayed .02 percent U_3O_8. The equivalent uranium content of the rhyolite, although geochemically abnormal, is insufficient to warrant economic development.

A comparison of the Granite Point claims to the Moonlight Mine tends to show that many of the favorable indications for uranium ore are absent. The possibility of finding minable material is not considered good for the following reasons:

1. Uranium minerals or structures mineralized with uranium minerals were not found on the property.

2. The applicant projected a slightly pyritized and altered contact between rhyolite and basalt as a mineralized vein and fault.

3. No favorable silicified reefs are exposed on the property.

4. A diamond drill hole put down on the property since the field examination was made was reported to be barren by a geologist from the Atomic Energy Commission.

It is concluded that the applicant's exploration proposal is without geologic merit and it is recommended that his application for an exploratory loan be denied.

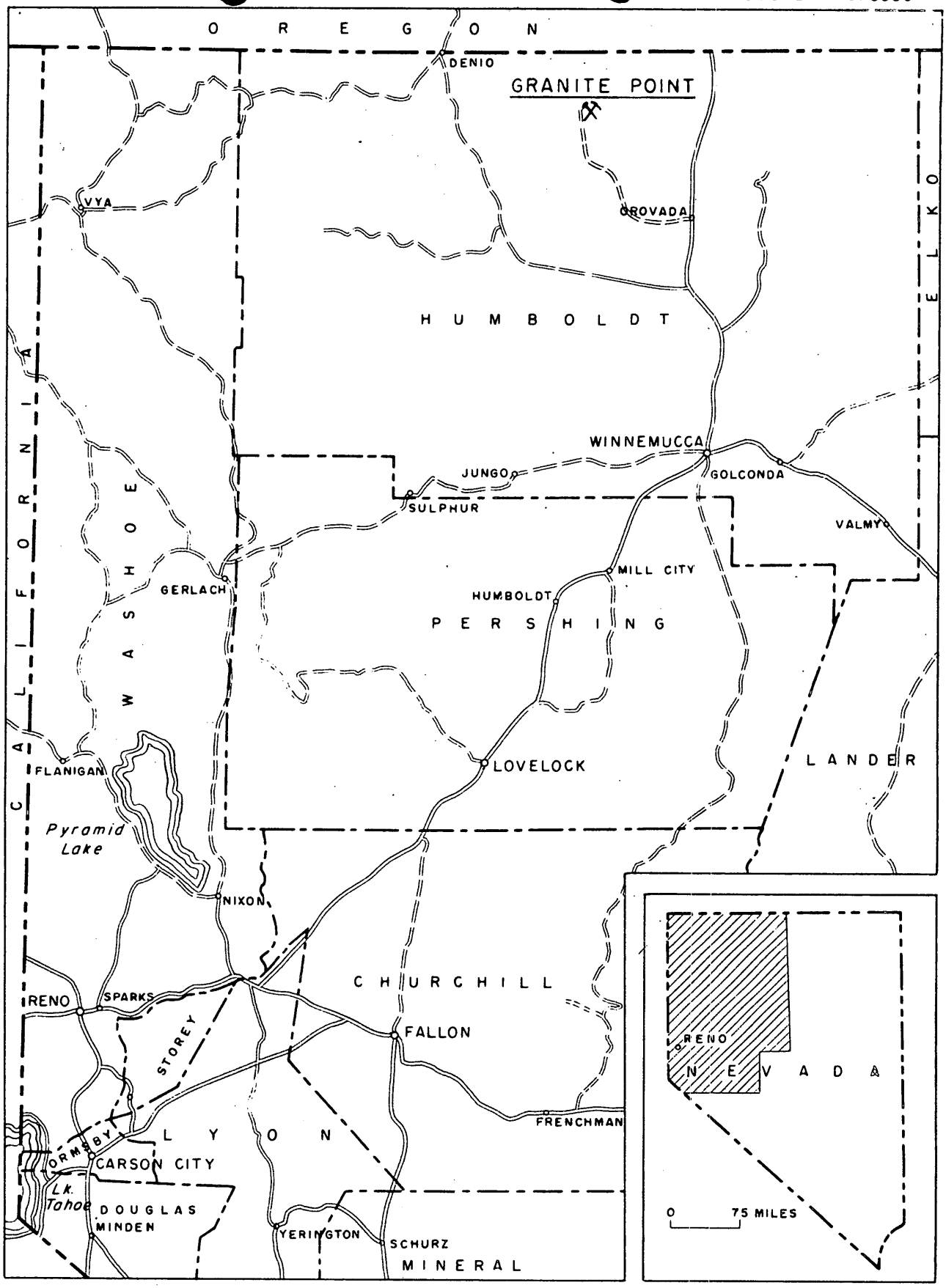

FIG. I INDEX MAP OF NORTH WEST NEVADA

10 0 10 20 MILES

8/3/54 gla

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

AUG 2 - 1954

420 Custom House
555 Battery Street
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July 27, 1954

Memorandum

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

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Granite Point Claims
Humboldt County, Nevada

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UNITED STATES
DEPARTMENT OF THE INTERIOR
DOUGLAS McKAY, SECRETARY

DEFENSE MINERALS EXPLORATION ADMINISTRATION 2

REPORT OF EXAMINATION BY FIELD TEAM
REGION III

DMEA-3359, Granite Point Mining Claims

Humboldt County, Nevada

A. O. Taylor, Geologist
J. F. Powers, Geologist
U. S. Geological Survey

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U. S. Bureau of Mines

July 22, 1954

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Docket No.: DMEA-3359 (Uranium)

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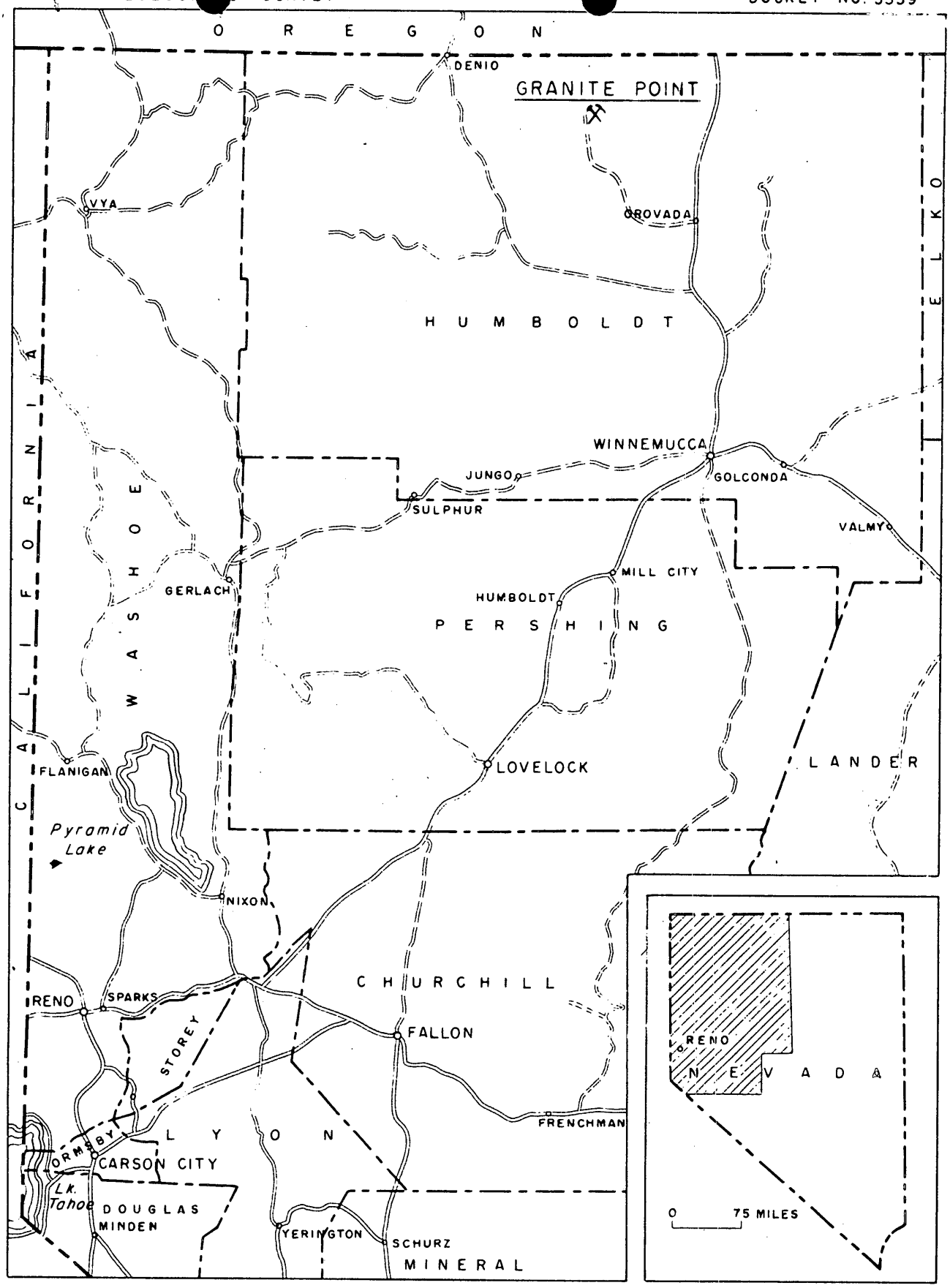

FIG. I INDEX MAP OF NORTH WEST NEVADA

10 0 10 20 MILES

Surname 700

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

Ching
Zikmund
Jawrabek
Hedges
Selbridge
Johnson

JUN 1 4 1954

Mr. Albert Simrak, Secretary
Nevada Rosegold Placers, Inc.,
200 Davis Street
San Francisco 11, California

Re: Docket No. DMEA-3359 (Uranium)
Granite Point Claims
Humboldt County, Nevada

Dear Mr. Simrak:

The application for assistance in exploring your property, 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
DMEA Field Team, Region III
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,

Frank E. Johnson (fw)

ACTING Administrator

MChing/am
6-10-54
cc to: Admr. Reading File
Docket
DMEA Field Team, Region III (2)
M. Ching
Code 700

R.C.J.

Surname 700

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

Ching
F. L. Kennon
Selfridge
Jefferson

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

JUN 15 1954

Re: Docket No. DMEA-3359 (Uranium)
Nevada Rosegold Placers, Inc.
Granite Point Claims
Humboldt County, Nevada

Dear Mr. Miller:

The subject application is being referred to you for investigation and recommendation. 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 W. S. Twenhofel, Acting Member, Uranium Commodity Committe, dated May 27 and June 3, 1954, respectively.

Your attention is called to the following deficiencies or inconsistencies in the application:

(1) An option to purchase the property covered by the proposed project is held by H. E. Bohannan and attached to the application, but no document was included to evidence transfer of property rights to Nevada Rosegold Placers, Inc., the Applicant.

(2) The map "Exhibit C" shows proposed bulldozer cuts which are not mentioned in the application.

(3) As pointed out by W. S. Twenhofel, most of the information submitted concerning uranium mineralization, grade of ore, current and past production, appear to apply to the Moonlight Mine which is about one mile to the south, and the factual data applicable to the subject claims are very limited.

(4) The estimated costs appear to be excessive for the amount of work proposed.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee (GCS)

APPROVED:

J. H. Hedges

Member, Bureau of Mines (JHH)

D. M. Larrabee

Member, Geological Survey (DML)

Enclosures 4

MChing/am
6-10-54
cc to: Admr. Reading File
Operating Committee
Docket
Messrs. H.D.Keiser, Rm 3641

W.S.Twenhofel, 3212, GSA
J.O.Hosted, Rm. 3210, GSA
Code 700
M. Ching

R.C.S.

STANDARD FORM NO. 64

6/7/54 gla

Office Memorandum • UNITED STATES GOVERNMENT

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

DATE: June 3, 1954

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

SUBJECT: Application, DMEA Docket 3359 (Uranium), Nevada Rosegold Placers, Inc., San Francisco, California, applicant; Granite Point Lode Mining claims, Humbolt County, Nevada

The property consists of eight lode mining claims in the Kings River district, Humbolt County, Nevada, in the east half Sec. 4, T. 45 N., R. 34 E. The applicant, Nevada Rosegold Placers, Inc., proposes a two phase program consisting of 1) 1,500 to 2,000 feet of diamond drilling at a total estimated cost of $21,000, and 2) 200 feet of shaft sinking at an estimated cost of $28,000 to explore a north-south fault zone that contains secondary uranium minerals apparently associated with oxides of iron.

Factual geologic data, as set forth in Exhibit B of the application, apparently concerns not only the Granite Point claims but also the Moonlight Mine (DMEA Docket 3305), which is about one mile to the south. Most, if not all, of the information concerning the uranium mineralization, the grade of ore, and past production seems to pertain to the Moonlight Mine and not to the Granite Point claims.

The only available information in our files concerning the Granite Point claims is contained in the U. S. Atomic Energy Commission Preliminary Reconnaissance Report No. N-SL-10, dated March 24, 1953. This report indicates that autunite, fluorite, and quartz occur in a brecciated rhyolite outcrop near the contact of rhyolite and a granodiorite dike; the AEC geologist who made the report concludes that no further work is warranted on the property.

Recommendation

I recommend that the application be referred to the Field Team for review and evaluation of its merits and of the details of any exploration that may be warranted. Data contained in the application and the small amount of information referred to in AEC-PRR No. N-SL-10 are insufficient to adequately evaluate the merits of the application. Because Atomic Energy Commission personnel have examined and have first hand knowledge of the property and adjoining properties, I suggest that the examining members of the Field Team consult with Mr. E. E. Thurlow, Chief, Salt Lake Exploration Branch, Atomic Energy Commission, under whose supervision the property was investigated.

W. S. Twenhofel

Copies to: E. Wm. Ellis (2)

5/28/54 gla

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

May 27, 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. 3359, Nevada Rosegold Placers, Inc., 200 Davis Street, San Francisco 11, California

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

It is recommended that the application be forwarded to the Field Team for investigation and report, and that it be discussed by the Field Team with Ernest E. Thurlow, Atomic Energy Commission, Salt Lake City, Utah.

H D Keiser
H. D. Keiser

Attachment

Nevada Rosegold Placers, Inc.
200 Davis Street
San Francisco 11, Calif.

May 21, 1954
Subject: DMEA-3359
Re: Exploration Assistance
Granite Point Claims

Gentlemen:

The receipt of your application dated May 14, 1954 for exploration assistance under the Defense Production Act of 1950, as amended, is hereby acknowledged.

Your application has been assigned Docket Number DMEA-3359 and referred to the Rare and Miscellaneous Metals Division.

Kindly refer to DMEA-3359 in any future correspondence relating to your application.

Sincerely yours,

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

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

May 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-3359 Nevada Rosegold Placers, Inc.

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

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

1012 Flood Building
870 Market Street
San Francisco 2, Calif.

May 17, 1954

Memorandum

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

From: Executive Officer, DMEA Field Team, Region III

Subject: Application for DMEA loan - Uranium
Granite Point Claims
Humboldt County, Nevada
Nevada Rosegold Placers, Inc.
200 Davis Street
San Francisco 11, California

Attached are three of the four copies of an application for exploration assistance submitted to this office on May 14, 1954.

The applicant informs me that Owner's Consent to Lien forms are in the process of being signed and will be submitted at an early date.

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

Attachment

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

1012 Flood Building
870 Market Street
San Francisco 2, Calif.

May 17, 1954

Memorandum

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

From: Executive Officer, DMEA Field Team, Region III

Subject: Application for DMEA loan - Uranium
Granite Point Claims
Humboldt County, Nevada
Nevada Rosegold Placers, Inc.
200 Davis Street
San Francisco 11, California

Attached are three of the four copies of an application for exploration assistance submitted to this office on May 14, 1954.

The applicant informs me that Owner's Consent to Lien forms are in the process of being signed and will be submitted at an early date.

H. C. MILLER

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

Attachment

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. 3359
Metal or Mineral Uranium
Date Received
Estimated Cost $49,000
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: Nevada Rosegold Placers, Inc.,
200 Davis Street,
San Francisco, 11, California

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

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

(*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
East ½ of Section 4, Twp 45N, Range 34 East
Consisting of 8 Lode Mining Claims

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

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

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

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

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

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

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

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

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

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

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

.....

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

☒ Money ☐ Use of equipment owned by you ☐ Other

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 May 14, 1954

Nevada Rosegold Placers, Inc.
(Applicant)

By Albert S. Smurak Sec.

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) NEVADA ROSEGOLD PIONEERS, INC., 200 DAVIS STREET, SAN FRANCISCO 11, CALIFORNIA.

(b) This is a corporation, organized August 19, 1941, State of Nevada.

(c)

President	M. T. Vanderslice	Walnut Creek, California
V-President	R. M. Glessner	432 Live Oaks Drive, Mill Valley, California
Sec.-Treas.	Albert S. Simrak	200 Davis Street, San Francisco 11, California
Director	L. W. Glessner	456 Post Street, San Francisco 8, California
Director	Hans Hammer	Box 60, Byron, California

(d) Not a partnership

3.--(a) Property is located in East ½ of Sec. 4, Twp 45N, Range 34 East, in an unnamed mining district 75 miles north of the town of Winnemucca, State of Nevada. It consists of 8 lode mining claims as follows: Granite Point No. 4, Granite Point No. 5, Granite Point No. 7, Granite Point No. 8, Granite Point No. 9, Granite Point No. 11, Granite Point No. 12, and Granite Point No. 13, all contiguous.

(b) No name other than above designations.

(c) Lessee--Purchaser under contract.

(d) Copy of Lease here attached. (Marked- Exhibit A)

(e) Not a direct owner--no liens or encumberances.

(f) Location notices all recorded in Book 5, Pages 115, 116, 117, 118 of Notices, Records of Humboldt County, Winnemucca, Nevada.

4.--(a) There are no mine workings or openings on this property.

(b) There is no past or current production or ore reserves.

(c) Report of Dr. Fred L. Humphrey here attached for reference. (Marked Exhibit B)

(d) Property is accessible by 40 miles of paved road north from Winnemucca to Orovada, thence by good graded dirt road to Kings River area about 30 miles N.W. from Orovada, which totals about 70 miles distant from Winnemucca, which provides the necessary shipping point, supplies and residence point.

(e) Manpower, materials, supplies and equipment are available in Winnemucca. There is sufficient water available for domestic purposes within 1 mile of the property. Power is not available.

5.--(a) We are desirous of exploring for Uranium bearing ores and particularly the primary ore--Uraninite and Pitchblende.

(b) Program 1 --(Marked Exhibit C)

It is proposed to diamond drill portions of this property to try to locate the mineralized fault which runs in a north-south direction thru the major portion of our property and no doubt is responsible for the strong radioactivity to be found on the cross fractures.

Program 2 --

Following the location of the mineralized fault by drilling, a shaft site will be selected at the point of the strongest radioactivity as located by assay of drill core. It is then planned to sink a shaft to an approximate depth of 200 feet and prepare for mining. It is anticipated that production of ore on conclusion of shaft sinking will provide sufficient funds for all additional development costs and mining.

(c) The work will be started within 30 days and should be completed within 4 months.

(d) Considerable exploration work was undertaken on property of the Hamilton Consolidated Mines Corporation near Ely, Nevada, under the management and direct supervision of this applicant. Additional supervision will be provided by Dr. Fred L. Humphrey of the School of Mineral Sciences, at Stanford University, and by M. E. Bohannan of Reno, Nevada, an operating mining engineer of many years experience and associated with many mining operations. Over-all supervision will be provided by Albert S. Simrak, General Manager of Double O Timber & Mining Company, which company has extensive property holdings in California and has been engaged in mining for many years, as well as providing for operations of its several subsidiary companies.

6.-- The estimated cos[illegible]as listed for Program #1 are -[illegible] $21,000.

(a) Diamond Drilling will be done by contract as follows--

1500' to 2000' of hole at $5.00 per foot (maximum)	$10,000.
Reaming-Cementing at $2.50 per foot (estimated at 1000 feet)	2,500.
Transportation of equipment charge by drilling contractor	400.
(b) Estimated cost of Engineering & Geological personnel	1,000.
Estimated cost of Supervision ($500. per month--4 months)	2,000.
Labor-Tractor work, preparing additional drill stations, roads	400.
(c) Gasolene-Oil-Tires-Shovels, Picks and other materials, Powder, etc.	500.
(d) GMC 3/4 Ton pickup truck for transportation of engineering and supervision personnel and materials and supplies $150. per mo.	600.
Tractor rental additional road building 20 days at $40. per day	800.
(e) Not applicable	
(f) Not applicable	
(g) Estimated cost of repairs and maintenance to tractor, truck, etc.	350.
Employee's Liability Insurance and Payroll Taxes	150.
(h) This cannot be easily itemized as there are many unforeseen difficulties that arise in the course of an exploration program which automatically create contingencies that are directly chargeable as a cost to the operation. Therefore, the estimated cost of this item is--	2,300.

The estimated costs for Program #2 are,-- $28,000.

(a) Sinking of single compartment shaft with man-way by contract to depth of 200 feet at $80. per foot	$16,000.
(b) Estimated cost of engineering and supervision for 2 months at $500. per month	1,000.
(c) Gasolene-Oil-Tires-Shovels-Picks-Powder, Fuse & Caps-Timber-Nails-Wedges, etc.	1,000.
(d) GMC 3/4 ton pick-up truck for transportation of engineering and supervision personnel and materials and supplies, $150. per month for 2 months	300.
Tractor rental for bull-dozing shaft site and road, 10 days at $40. per day	400.
Compressor, Jack-hammer, Air hose, Steel and bits, 2 months	500.
(e) A Fairbanks-Morse powered hoist with heavy cable and other operating equipment, used, estimated cost --	4,500.
(e) Not applicable	
(f) Trailer house and camp buildings for miners and laborers	2,000.
(g) Estimated cost of repairs and maintenance to tractor, truck,etc.	200.
Employee's liability insurance and Payroll Taxes	100.
(h) Estimated cost of contingencies	2,000.

7.--(a) This corporation is prepared to furnish the full pro-rata share of the expenses and estimated costs as enumerated above in CASH, subject to the government participation as stated in Sec. 7, DMEA No. 1.

(b) Cash will be available for this undertaking.

Nov. 14-1954

Nevada Rosegold Placers, Inc.

Albert S. Sinnak Sec.

Nevada Rosegold Placers, Inc.

Exhibit A-

OPTION TO PURCHASE

THIS AGREEMENT made in duplicate this 1st day of December, 1953, by and between L. B. WILKERSON, L. R. MURDOCK and JOHN G. MURDOCK, all of the City of Winnemucca, County of Humboldt, State of Nevada, parties of the first part, hereinafter known as "Sellers," and M. E. BOHANNAN, of the City of Reno, County of Washoe, State of Nevada, party of the second part, hereinafter known as "Buyer,"

W I T N E S S E T H:

That the Sellers for and in consideration hereinafter mentioned hereby agree to sell and convey unto the Buyer, or his legal representative, the following described lands, mining claims and mining rights situate in the Unknown Mining District, County of Humboldt, State of Nevada, known as the GRANITE POINT GROUP, all of which are of record in the office of the County Recorder of said Humboldt County, State of Nevada, and more particularly described as follows:

GRANITE POINT No. 4 - Recorded in Book 5, page 115 of Notices, Records of Humboldt County, Nevada.

GRANITE POINT No. 5 - Recorded in Book 5, page 115 of Notices, Records of Humboldt County, Nevada.

GRANITE POINT No. 7 - Recorded in Book 5, page 116 of Notices, Records of Humboldt County, Nevada.

GRANITE POINT No. 8 - Recorded in Book 5, page 116 of Notices, Records of Humboldt County, Nevada.

GRANITE POINT No. 9 - Recorded in Book 5, page 117 of Notices, Records of Humboldt Co., Nevada.

GRANITE POINT No. 11 - Recorded in Book 5, page 117 of Notices, Records of Humboldt County, Nevada.

GRANITE POINT No. 12 - Recorded in Book 5, page 118 of Notices, Records of Humboldt County, Nevada.

GRANITE POINT No. 13 - Recorded in Book 5, page 118 of Notices, Records of Humboldt County, Nevada.

The total purchase price of said mining claims and premises shall be One Hundred Thousand Dollars ($100,000.00) in lawful money of the United States of America, payable on or before ten (10) years from the date hereof in the manner and in the amounts and on the dates as hereinafter provided as follows:

A. Twenty Thousand Dollars ($20,000.00) due and payable at the expiration of two (2) years from the date of this agreement, on or before December 1, 1955.

B. Twenty Thousand Dollars ($20,000.00) due and

payable upon the expiration of five (5) years from the date of this agreement, on or before December 1, 1958.

C. Twenty Thousand Dollars ($20,000.00) due and payable at the expiration of seven (7) years from the date of this agreement, on or before December 1, 1960.

D. Forty Thousand Dollars ($40,000.00) due and payable on or before the expiration of ten (10) years from the date of this agreement, on or before December 1, 1963.

The payments as above outlined shall be reduced and diminished by the amounts paid as and for royalties and minimum payments as hereinafter outlined,

(1) a ten per cent (10%) gross royalty shall be paid to the sellers by the buyers on all ores shipped, said royalties to be based on the smelter assays from said ores, and on any ores now mined but which have not been shipped.

(2) A payment of Two Hundred Dollars ($200.00) per month commencing thirty (30) days from the date of this option and to continue for a period of five months; a payment of Four Hundred Dollars ($400.00) per month after the expiration of the first five (5) months, provided, however, that the royalty does not exceed the Two Hundred Dollars ($200.00) per month for the first five months and the Four Hundred Dollars ($400.00) per month thereafter.

That upon the execution of this agreement, the sellers agree to place in escrow with the First National Bank of Nevada, Winnemucca, Nevada, a good and sufficient deed conveying to the buyer the above described premises free and clear of all encumbrances by them made, suffered or committed, a copy of this agreement, and escrow instructions; and upon full compliance with all of the terms and conditions of this agreement the escrow holder is empowered, directed and instructed to deliver said deed to the buyer or his legal representative. All payments made under this agreement shall be made to said escrow holder, all of which shall apply on the purchase price heretobefore mentioned.

IT IS COVENANTED AND AGREED on the part of the Buyer as follows:

(1) That all work done and improvements put thereon by him shall be done in a good and workman-like manner and mining fashion and at the sole cost and expense of said buyer. That all assessment work will be done at the sole cost and expense of said buyer, and in a manner to conform with all State and Federal laws.

(2) That he will provide the necessary buildings, machinery, tools and fixtures for the carrying on of said mining operations; the title of which shall remain in the buyer, and should he forfeit his rights to purchase the property hereunder, he shall have the privilege of removal of said improvements.

(3) That he will not do any act or thing that would cause liens for material or labor to be placed against said property or any part thereof; that the said sellers shall have the privilege at all times during the life of this agreement to cause to be posted notices against said liens for material or labor furnished the buyer.

IT IS COVENANTED AND AGREED on the part of the sellers, as follows:

(1) That said buyer, or his legal representative, shall have peaceable possession of said mining premises during the term for which this (option) is given, provided said buyer complies with the terms provided herein; that should the buyer, or his legal representative, fail, neglect or refuse to carry out any of the terms and conditions hereinabove stated, for a period of thirty (30) days after notice of default, this contract shall become null and void and of no further force and effect, and all payments made hereunder shall be retained by the sellers as rentals for the use and occupancy of said premises, and the said buyer shall forthwith deliver to said sellers the peaceful possession of said premises and every part thereof.

(2) That in the event the buyer fails to perform as per terms of this agreement and thereby forfeits rights required hereunder, all papers held in escrow shall be returned to the sellers herein.

This agreement shall extend to, bind and be enforceable against the heirs, executors, administrators and assigns of the respective parties hereto.

IN WITNESS WHEREOF, the parties hereto have hereunto set their hands and seals the day and year first above written.

(Signed) L. B. WILKERSON
L. B. Wilkerson

(Signed) L. R. MURDOCK
L. R. Murdock

(Signed) JOHN G. MURDOCK
John G. Murdock

Parties of the First Part

(Signed) M. E. BOHANNAN
M. E. Bohannan

Party of the Second Part

STATE OF NEVADA)
: SS.
County of Humboldt)

On this 1st day of December, A. D. 1953, before me, a Notary Public in and for said County and State, personally appeared L.B. WILKERSON, L. R. MURDOCK and JOHN G. MURDOCK, known to me to be the persons described in and who executed the above and foregoing instrument, who acknowledged to me that they executed the same freely and voluntarily and for the uses and purposes therein mentioned.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official Seal at my office, the day and year in this certificate first above written.

(SIGNED) DONALD M. LEIGHTON
Notary Public in and for said County and State

My Commission Expires:

Sept. 6, 1957

- - - - - -

STATE OF NEVADA)
: SS.
County of Humboldt)

On this 1st day of December, A. D. 1953, before me, a Notary Public in and for said County and State, personally appeared M. E. BOHANNAN, known to me to be the person described in and who executed the above and foregoing instrument and who acknowledged to me that he executed the same freely and voluntarily and for the uses and purposes therein mentioned.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my Official Seal at my office, the day and year in this certificate first above written.

(SIGNED) DONALD M. LEIGHTON
Notary Public in and for said County and State

My Commission Expires:

Sept. 6, 1957

Nevada Rosegold Placers, Inc.
Exhibit- B-

REPORT ON THE GRANITE POINT MINING CLAIMS
HUMBOLDT COUNTY, NEVADA

Introduction

The Granite Point uranium claims are in the Kings River District about 75 miles north of Winnemucca, Nevada. They are situated on the west flank of a range of hills about 30 miles northwest of Orovada on the east side of the Kings River Valley. The elevation is approximately 5000 feet.

There are eight claims in the group, covering an area approximately 6000 feet long and 1200 feet wide. I visited the district and made a brief examination of the claims on February 6, 1954, at the request of Mr. Albert Simrak.

Discovery of Uranium Mineralization in the District

Uranium mineralization was discovered in this area in the spring of 1953 by a group of men while prospecting for scheelite. They found an outcrop of altered trachyte, containing considerable iron oxide, in which there were fluorescent crystals. By subsequent analysis these crystals were determined to be autunite, which is a hydrated calcium uranium phosphate. It is a secondary mineral found near the surface in the zone of oxidation and is derived by the alteration of other uranium minerals.

Further work on the deposit disclosed that the mineralization occurs in a fault zone which strikes about north-south along the west edge of the Range. The mineralization of the fault zone indicates that the deposit is probably of hydrothermal origin but the primary minerals have undergone intense oxidation near the surface.

General Geology

The ore occurs in trachyte which is the dominant rock of the Range. It is in excess of 400 feet thick and commonly has well defined flow banding which strikes about north-south and dips from 10 to 25° to the east.

The west side of the Range is apparently bounded by a fault or fault zone. In

most places the fault is covered by trachyte talus, but at the uranium discovery the fault is exposed, dipping about 60° to the east. At the bottom of the shaft, however, approximately 40 feet below the surface, the fault dips about 80° east. It probably will continue to steepen and become a steep west-dipping fault at a deeper level. The east dip undoubtedly results from creep of the surface rock.

— shaft is on Moonlight Claims (DMEA 3708) about one mile south of Lucerne Peak Claims NEW

The west edge of the trachyte is very steep and generally is a cliff, or fault line scarp, in most places as much as 100 feet high. The rock to the west of the cliff is talus except for a few isolated trachyte outcrops, elongated in a north-south direction, that are 100 to 400 feet from the cliff. The fault zone is almost on the west edge of these outcrops. In some places a distinct bench is seen in the talus which probably results from the talus covering other elongated outcrops along the fault.

The fault zone, and the west edge of the Range, strike on the average between north 5° and north 10° east. There are a number of vertical or steep west-dipping north-south fractures in the trachyte that are probably complementary to the main fault zone. In addition, there are many vertical, east-west fractures or joints in the west edge of the trachyte, several of which contain iron oxide mineralization. The bands of iron oxide-impregnated rock along these joints are almost invariably radioactive.

The fault zone at the mine shaft is more than 10 feet wide although the shaft is only about four feet wide. No drilling has yet been done in the walls to determine the total width of ore.

In recent weeks two cars of ore have been shipped from the shaft that assayed about 0.22 U_3O_8. Two other cars of ore, taken at an earlier date from the surface, assayed in the neighborhood of 0.11 U_3O_8. The ore is a fractured and sheared trachyte impregnated with iron oxide. Autunite occurred at the surface but no fluorescent minerals were seen in rock from the higher grade ore in the bottom of the shaft. The primary hydrothermal minerals were probably pyrite and urananite. Both of these minerals oxidize readily but should be present below the zone of

oxidation.

About 1000 feet west of the Granite Point claims there are several exposures of a granitic rock. As yet the relationship of this rock to the fault zone is unknown due to the talus covering. Likewise no evidence pointing to a relationship between this rock and the uranium mineralization is yet available.

Granite Point Claims

The Granite Point property, comprising eight claims, begins about one mile north of the uranium mine. The claims are grouped as shown on the accompanying sketch. Claims 4, 5, 8 and 9 are contiguous, parallel to and over-lapping the cliff along the edge of the Range. Claims 7, 11 and 12 are along the west side of claims 4, 5, and 8. Claim 13 is west of claim 11. The location points of claims 5 and 8 were found, and at least one corner of each of the claims was found with the exception of claim 9.

The fault zone bounding the west side of the Range is not exposed on these claims. Its approximate position, as shown on the sketch, is probably near the west side line of claims 4, 5, 8 and 9. This was determined by projecting from known outcrops to the south; by a change in slope of the talus (which is very pronounced in a few places); and by the fractured and altered condition of the two isolated trachyte outcrops at the south end of claim 4. In addition, the small hot spring eruption near the southwest corner of claim 4 is probably close to the fault. (This spring is not now flowing, but the crater area, about 8 feet in diameter, is damp. The material thrown out is a very hydrothermally altered and sericitized trachyte mud.)

Although the main fault zone is covered and could not be prospected for uranium, there are several places along the trachyte cliff where reasonably strong radioactivity occurs. They are marked in red pencil on the enclosed sketch. These radioactive spots are on east-west vertical cross fractures or joints in the trachyte. Wherever the jointing is well developed, and iron oxide exists along the

joint plane, there is usually radioactivity. The vertical north 10° east fractures at the edge of the trachyte in claim 4 also records radioactivity of about the same intensity as that which is recorded near the joints.

The radiation count is between 5 and 10 on the high switch of a Fisher M-scope. The background count averaged between 1 and 3 but no readings were used unless the count went to 5 or better. The count on the mine ore in the loading bin, which was said to contain at least 0.22 U_3O_8, ranged between 10 and 15. Counts from cross fractures in the hanging wall of the mine fault zone, some 20 to 30 feet from the fault, averaged about 7 or 8. The count in the mine shaft runs well over 20 which is higher than the ore from the shaft. This is probably due to escape of radon, a radioactive decay product of uranium. The radon could most easily escape along the porous fault zone.

Samples of rock from the joint faces in the Granite Point claims continued to emit radiation after being removed from proximity to the joint surface. This indicates that the count on the joints is due to other than radon radiation.

It is probable that uranium and iron-bearing solutions ascending along the main fault zone would work their way out into the wall rock wherever the jointing had been strong enough to furnish a permeable passage. Thus it is reasonable to assume that the main fault zone contains uranium mineralization at least within the longitudinal dimensions marked by the uranium-bearing joints in the hanging wall.

Recommendations for Exploration

The first exploration project should be a series of bulldozer cuts through the talus covering to expose the main fault zone.

Cut No. 1.--Starting near the south edge of the isolated outcrop near the northwest corner of claim 5, running the cut in a northwest direction. The fault is probably within 25 to 100 feet of the outcrop.

Cut No. 2.--Starting on the south side of the gulch that cuts the northern part of claim 5. Probably the cut should begin about 100 feet from the cliff and run in a southwest direction, but information obtained from cut 1 will help to locate

the probable position of the fault at this locality.

Cut No. 3.--On the south side of the gulch that cuts through the center of claim 5. Its position will, in turn, be governed by the findings in cuts 1 and 2.

Cut No. 4.--Bearing about southwest to the west of the radioactive area near the center of claim 8. The fault here may be from 100 to 300 feet from the base of the cliff.

Cut No. 5.--On the north side of the gulch that cuts the south end of claim 8. The approximate position of the fault here may be determined by projection from the previous cuts.

If possible, a claim should be obtained along the west side of claim 9, south of claim 11, because the main fault may lie a little to the west of claim 9.

Following the location of the main fault by the surface cuts and the measuring of the intensity of radiation, if any, on the fault zone, it may then be advisable to drill six or eight diamond drill holes to cut the fault zone from 100 to 150 feet below the surface. These should be drilled where the best surface indications are obtained. After the results from these holes have been correlated with surface sampling in the bulldozer cuts, the drilling of an additional eight or ten holes might be advisable to test the continuity of the ore between the previous holes and to a deeper level.

The entire exploration program will not have to be carried out at once, however, if mineable ore is found in one area. Available finances could then be diverted to developing the ore body by a shaft and drifts. Further exploration could be financed from ore production.

(Signed) FRED L. HUMPHREY

Fred L. Humphrey
Professional Engineer.

February 16, 1954.

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. 3359
Metal or Mineral Uranium
Date Received
Estimated Cost $49,000
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: Nevada Rosegold Placers, Inc.,
200 Davis Street
San Francisco, 11, California

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

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

(*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
East ½ of Section 4, Twp 45N, Range 34 East
Consisting of 8 Lode Mining Claims

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

[X] 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 May 14, 1954

Nevada Rosegold Placers, Inc.
(Applicant)

By Albert S. Simrak - Sec -

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) NEVADA ROSEGOLD PLACERS, INC., 200 DAVIS STREET, SAN FRANCISCO 11, CALIFORNIA.

a corporation, organized August 19, 1941, State of Nevada.

(b)

Pres.	M. T. Vanderslice	Walnut Creek, California
Vice-Pres.	R. M. Glessner	432 Live Oaks Drive, Mill Valley, California
Sec.-Treas.	Albert S. Simrak	200 Davis Street, San Francisco 11, California
Director	L. W. Glessner	456 Post Street, San Francisco 8, California
Director	Hans Hammer	Box 60, Byron, California

Not a partnership

Property is located in East ½ of Sec. 4, Twp 45N, Range 34 East, in an unnamed mining district 75 miles north of the town of Winnemucca, State of Nevada. It consists of 8 lode mining claims as follows: Granite Point No. 4, Granite Point No. 5, Granite Point No. 7, Granite Point No. 8, Granite Point No. 9, Granite Point No. 11, Granite Point No. 12, and Granite Point No. 13, all contiguous.

(b) No name other than above designations.

(c) Lessee--Purchaser under contract.

(d) Copy of Lease here attached. (Marked Exhibit A)

(e) Not a direct owner--no liens or encumberances.

(f) Location notices all recorded in Book 5, Pages 115, 116, 117, 118 of Notices, Records of Humboldt County, Winnemucca, Nevada.

4.--(a) There are no mine workings or openings on this property.

(b) There is no past or current production or ore reserves.

(c) Report of Dr. Fred L. Humphrey here attached for reference. (Marked Exhibit B)

(d) Property is accessible by 40 miles of paved road north from Winnemucca to Orovada, thence by good graded dirt road to Kings River area about 30 miles N.W. from Orovada, which totals about 70 miles distant from Winnemucca, which provides the necessary shipping point, supplies and residence point.

(e) Manpower, materials, supplies and equipment are available in Winnemucca. There is sufficient water available for domestic purposes within 1 mile of the property. Power is not available.

5.--(a) We are desirous of exploring for Uranium bearing ores and particularly the primary ore--Uraninite and Pitchblende.

(b) Program 1 -- (Marked Exhibit C)

It is proposed to diamond drill portions of this property to try to locate the mineralized fault which runs in a north-south direction thru the major portion of our property and no doubt is responsible for the strong radioactivity to be found on the cross fractures.

Program 2 --

Following the location of the mineralized fault by drilling, a shaft site will be selected at the point of the strongest radioactivity as located by assay of drill core. It is then planned to sink a shaft to an approximate depth of 200 feet and prepare for mining. It is anticipated that production of ore on conclusion of shaft sinking will provide sufficient funds for all additional development costs and mining.

(c) The work will be started within 30 days and should be completed within 4 months.

(d) Considerable exploration work was undertaken on property of the Hamilton Consolidated Mines Corporation near Ely, Nevada, under the management and direct supervision of this applicant. Additional supervision will be provided by Dr. Fred L. Humphrey of the School of Mineral Sciences, at Stanford University, and by M. E. Bohannan of Reno, Nevada, an operating mining engineer of many years experience and associated with many mining operations. Over-all supervision will be provided by Albert S. Simrak, General Manager of Double O Timber & Mining Company, company has extensive property holdings in California and has been engaged mining for many years, as well as providing for operations of its several diary companies.

6.-- The estimated costs as listed for Program #1 are -- $21,000.

(a) Diamond Drilling will be done by contract as follows--

1500' to 2000' of hole at $5.00 per foot (maximum)	$10,000.
Reaming-Cementing at $2.50 per foot (estimated at 1000 feet)	2,500.
Transportation of equipment charge by drilling contractor	400.
(b) Estimated cost of Engineering & Geological personnel	1,000.
Estimated cost of Supervision ($500. per month--4 months)	2,000.
Labor-Tractor work, preparing additional drill stations, roads	400.
(c) Gasolene-Oil-Tires-Shovels, Picks and other materials, Powder, etc.	500.
(d) GMC 3/4 Ton pickup truck for transportation of engineering and supervision personnel and materials and supplies $150. per mo.	600.
Tractor rental additional road building 20 days at $40. per day	800.
(e) Not applicable	
(f) Not applicable	
(g) Estimated cost of repairs and maintenance to tractor, truck, etc.	350.
Employee's Liability Insurance and Payroll Taxes	150.
(h) This cannot be easily itemized as there are many unforeseen difficulties that arise in the course of an exploration program which automatically create contingencies that are directly chargeable as a cost to the operation. Therefore, the estimated cost of this item is--	2,300.

The estimated costs for Program #2 are -- $28,000.

(a) Sinking of single compartment shaft with man-way by contract to depth of 200 feet at $80. per foot	$16,000.
(b) Estimated cost of engineering and supervision for 2 months at $500. per month	1,000.
(c) Gasolene-Oil-Tires-Shovels-Picks-Powder, Fuse & Caps-Timber-Nails-Wedges, etc.	1,000.
(d) GMC 3/4 ton pick-up truck for transportation of engineering and supervision personnel and materials and supplies, $150. per month for 2 months	300.
Tractor rental for bull-dozing shaft site and road, 10 days at $40. per day	400.
Compressor, Jack-hammer, Air hose, Steel and bits, 2 months	500.
A Fairbanks-Morse powered hoist with heavy cable and other operating equipment, used, estimated cost --	4,500.
(e) Not applicable	
(f) Trailer house and camp buildings for miners and laborers	2,000.
(g) Estimated cost of repairs and maintenance to tractor, truck,etc.	200.
Employee's liability insurance and Payroll Taxes	100.
(h) Estimated cost of contingencies	2,000.

7.--(a) This corporation is prepared to furnish the full pro-rata share of the expenses and estimated costs as enumerated above in CASE, subject to the government participation as stated in Sec. 7, DMEA No. 1.

(b) Cash will be available for this undertaking.

May 14-1954

Nevada Rosegold Placers, Inc.

Albert S. Smirak Sec

Nevada Rosegold Placers, Inc.

Exhibit A -

OPTION TO PURCHASE

THIS AGREEMENT made in duplicate this 1st day of December, 1953, by and between L. B. WILKERSON, L. R. MURDOCK and JOHN G. MURDOCK, all of the City of Winnemucca, County of Humboldt, State of Nevada, parties of the first part, hereinafter known as "Sellers," and M. E. BOHANNAN, of the City of Reno, County of Washoe, State of Nevada, party of the second part, hereinafter known as "Buyer,"

W I T N E S S E T H:

That the Sellers for and in consideration hereinafter mentioned hereby agree to sell and convey unto the Buyer, or his legal representative, the following described lands, mining claims and mining rights situate in the Unknown Mining District, County of Humboldt, State of Nevada, known as the GRANITE POINT GROUP, all of which are of record in the office of the County Recorder of said Humboldt County, State of Nevada, and more particularly described as follows:

GRANITE POINT No. 4 - Recorded in Book 5, page 115 of Notices, Records of Humboldt County, Nevada.

GRANITE POINT No. 5 - Recorded in Book 5, page 115 of Notices, Records of Humboldt County, Nevada.

GRANITE POINT No. 7 - Recorded in Book 5, page 116 of Notices, Records of Humboldt County, Nevada.

GRANITE POINT No. 8 - Recorded in Book 5, page 116 of Notices, Records of Humboldt County, Nevada.

GRANITE POINT No. 9 - Recorded in Book 5, page 117 of Notices, Records of Humboldt Co., Nevada.

GRANITE POINT No. 11 - Recorded in Book 5, page 117 of Notices, Records of Humboldt County, Nevada.

GRANITE POINT No. 12 - Recorded in Book 5, page 118 of Notices, Records of Humboldt County, Nevada.

GRANITE POINT No. 13 - Recorded in Book 5, page 118 of Notices, Records of Humboldt County, Nevada.

The total purchase price of said mining claims and premises shall be One Hundred Thousand Dollars ($100,000.00) in lawful money of the United States of America, payable on or before ten (10) years from the date hereof in the manner and in the amounts and on the dates as hereinafter provided as follows:

A. Twenty Thousand Dollars ($20,000.00) due and payable at the expiration of two (2) years from the date of this agreement, on or before December 1, 1955.

B. Twenty Thousand Dollars ($20,000.00) due and

payable upon the expiration of five (5) years from the date of this agreement, on or before December 1, 1958.

C. Twenty Thousand Dollars ($20,000.00) due and payable at the expiration of seven (7) years from the date of this agreement, on or before December 1, 1960.

D. Forty Thousand Dollars ($40,000.00) due and payable on or before the expiration of ten (10) years from the date of this agreement, on or before December 1, 1963.

The payments as above outlined shall be reduced and diminished by the amounts paid as and for royalties and minimum payments as hereinafter outlined,

(1) a ten per cent (10%) gross royalty shall be paid to the sellers by the buyers on all ores shipped, said royalties to be based on the smelter assays from said ores, and on any ores now mined but which have not been shipped.

(2) A payment of Two Hundred Dollars ($200.00) per month commencing thirty (30) days from the date of this option and to continue for a period of five months; a payment of Four Hundred Dollars ($400.00) per month after the expiration of the first five (5) months, provided, however, that the royalty does not exceed the Two Hundred Dollars ($200.00) per month for the first five months and the Four Hundred Dollars ($400.00) per month thereafter.

That upon the execution of this agreement, the sellers agree to place in escrow with the First National Bank of Nevada, Winnemucca, Nevada, a good and sufficient deed conveying to the buyer the above described premises free and clear of all encumbrances by them made, suffered or committed, a copy of this agreement, and escrow instructions; and upon full compliance with all of the terms and conditions of this agreement the escrow holder is empowered, directed and instructed to deliver said deed to the buyer or his legal representative. All payments made under this agreement shall be made to said escrow holder, all of which shall apply on the purchase price heretobefore mentioned.

IT IS COVENANTED AND AGREED on the part of the Buyer as follows:

(1) That all work done and improvements put thereon by him shall be done in a good and workman-like manner and mining fashion and at the sole cost and expense of said buyer. That all assessment work will be done at the sole cost and expense of said buyer, and in a manner to conform with all State and Federal laws.

(2) That he will provide the necessary buildings, machinery, tools and fixtures for the carrying on of said mining operations; the title of which shall remain in the buyer, and should he forfeit his rights to purchase the property hereunder, he shall have the privilege of removal of said improvements.

(3) That he will not do any act or thing that would cause liens for material or labor to be placed against said property or any part thereof; that the said sellers shall have the privilege at all times during the life of this agreement to cause to be posted notices against said liens for material or labor furnished the buyer.

IT IS COVENANTED AND AGREED on the part of the sellers, as follows:

(1) That said buyer, or his legal representative, shall have peaceable possession of said mining premises during the term for which this (option) is given, provided said buyer complies with the terms provided herein; that should the buyer, or his legal representative, fail, neglect or refuse to carry out any of the terms and conditions hereinabove stated, for a period of thirty (30) days after notice of default, this contract shall become null and void and of no further force and effect, and all payments made hereunder shall be retained by the sellers as rentals for the use and occupancy of said premises, and the said buyer shall forthwith deliver to said sellers the peaceful possession of said premises and every part thereof.

(2) That in the event the buyer fails to perform as per terms of this agreement and thereby forfeits rights required hereunder, all papers held in escrow shall be returned to the sellers herein.

This agreement shall extend to, bind and be enforceable against the heirs, executors, administrators and assigns of the respective parties hereto.

IN WITNESS WHEREOF, the parties hereto have hereunto set their hands and seals the day and year first above written.

(Signed) L. B. WILKERSON
L. B. Wilkerson

(Signed) L. R. MURDOCK
L. R. Murdock

(Signed) JOHN G. MURDOCK
John G. Murdock

Parties of the First Part

(Signed) M. E. BOHANNAN
M. E. Bohannan

Party of the Second Part

STATE OF NEVADA)
: SS.
County of Humboldt)

On this 1st day of December, A. D. 1953, before me, a Notary Public in and for said County and State, personally appeared L.B. WILKERSON, L. R. MURDOCK and JOHN G. MURDOCK, known to me to be the persons described in and who executed the above and foregoing instrument, who acknowledged to me that they executed the same freely and voluntarily and for the uses and purposes therein mentioned.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official Seal at my office, the day and year in this certificate first above written.

(SIGNED) DONALD M. LEIGHTON
Notary Public in and for said
County and State

My Commission Expires:

Sept. 6, 1957

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STATE OF NEVADA)
: SS.
County of Humboldt)

On this 1st day of December, A. D. 1953, before me, a Notary Public in and for said County and State, personally appeared M. E. BOHANNAN, known to me to be the person described in and who executed the above and foregoing instrument and who acknowledged to me that he executed the same freely and voluntarily and for the uses and purposes therein mentioned.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my Official Seal at my office, the day and year in this certificate first above written.

(SIGNED) DONALD M. LEIGHTON
Notary Public in and for said
County and State

My Commission Expires:

Sept. 6, 1957

Nevada Rosegold Placers, Inc.
Exhibit B-

REPORT ON THE GRANITE POINT MINING CLAIMS
HUMBOLDT COUNTY, NEVADA

Introduction

The Granite Point uranium claims are in the Kings River District about 75 miles north of Winnemucca, Nevada. They are situated on the west flank of a range of hills about 30 miles northwest of Orovada on the east side of the Kings River Valley. The elevation is approximately 5000 feet.

There are eight claims in the group, covering an area approximately 6000 feet long and 1200 feet wide. I visited the district and made a brief examination of the claims on February 6, 1954, at the request of Mr. Albert Simrak.

Discovery of Uranium Mineralization in the District

Uranium mineralization was discovered in this area in the spring of 1953 by a group of men while prospecting for scheelite. They found an outcrop of altered trachyte, containing considerable iron oxide, in which there were fluorescent crystals. By subsequent analysis these crystals were determined to be autunite, which is a hydrated calcium uranium phosphate. It is a secondary mineral found near the surface in the zone of oxidation and is derived by the alteration of other uranium minerals.

Further work on the deposit disclosed that the mineralization occurs in a fault zone which strikes about north-south along the west edge of the Range. The mineralization of the fault zone indicates that the deposit is probably of hydrothermal origin but the primary minerals have undergone intense oxidation near the surface.

General Geology

The ore occurs in trachyte which is the dominant rock of the Range. It is in excess of 400 feet thick and commonly has well defined flow banding which strikes about north-south and dips from 10 to 25° to the east.

The west side of the Range is apparently bounded by a fault or fault zone. In

most places the fault is covered by trachyte talus, but at the uranium discovery the fault is exposed, dipping about 60° to the east. At the bottom of the shaft, however, approximately 40 feet below the surface, the fault dips about 80° east. It probably will continue to steepen and become a steep west-dipping fault at a deeper level. The east dip undoubtedly results from creep of the surface rock.

Shaft is on Moonlight claims DMEA-3305 about 1 mile south of Granite Point claims NMM

The west edge of the trachyte is very steep and generally is a cliff, or fault line scarp, in most places as much as 100 feet high. The rock to the west of the cliff is talus except for a few isolated trachyte outcrops, elongated in a north-south direction, that are 100 to 400 feet from the cliff. The fault zone is almost on the west edge of these outcrops. In some places a distinct bench is seen in the talus which probably results from the talus covering other elongated outcrops along the fault.

The fault zone, and the west edge of the Range, strike on the average between north 5° and north 10° east. There are a number of vertical or steep west-dipping north-south fractures in the trachyte that are probably complementary to the main fault zone. In addition, there are many vertical, east-west fractures or joints in the west edge of the trachyte, several of which contain iron oxide mineralization. The bands of iron oxide-impregnated rock along these joints are almost invariably radioactive.

The fault zone at the mine shaft is more than 10 feet wide although the shaft is only about four feet wide. No drilling has yet been done in the walls to determine the total width of ore.

In recent weeks two cars of ore have been shipped from the shaft that assayed about 0.22 U_3O_8. Two other cars of ore, taken at an earlier date from the surface, assayed in the neighborhood of 0.11 U_3O_8. The ore is a fractured and sheared trachyte impregnated with iron oxide. Autunite occurred at the surface but no fluorescent minerals were seen in rock from the higher grade ore in the bottom of the shaft. The primary hydrothermal minerals were probably pyrite and uraninite. Both of these minerals oxidize readily but should be present below the zone of

oxidation.

About 1000 feet west of the Granite Point claims there are several exposures of a granitic rock. As yet the relationship of this rock to the fault zone is unknown due to the talus covering. Likewise no evidence pointing to a relationship between this rock and the uranium mineralization is yet available.

Granite Point Claims

The Granite Point property, comprising eight claims, begins about one mile north of the uranium mine. The claims are grouped as shown on the accompanying sketch. Claims 4, 5, 8 and 9 are contiguous, parallel to and over-lapping the cliff along the edge of the Range. Claims 7, 11 and 12 are along the west side of claims 4, 5, and 8. Claim 13 is west of claim 11. The location points of claims 5 and 8 were found, and at least one corner of each of the claims was found with the exception of claim 9.

The fault zone bounding the west side of the Range is not exposed on these claims. Its approximate position, as shown on the sketch, is probably near the west side line of claims 4, 5, 8 and 9. This was determined by projecting from known outcrops to the south; by a change in slope of the talus (which is very pronounced in a few places); and by the fractured and altered condition of the two isolated trachyte outcrops at the south end of claim 4. In addition, the small hot spring eruption near the southwest corner of claim 4 is probably close to the fault. (This spring is not now flowing, but the crater area, about 8 feet in diameter, is damp. The material thrown out is a very hydrothermally altered and sericitized trachyte mud.)

Although the main fault zone is covered and could not be prospected for uranium, there are several places along the trachyte cliff where reasonably strong radioactivity occurs. They are marked in red pencil on the enclosed sketch. These radioactive spots are on east-west vertical cross fractures or joints in the trachyte. Wherever the jointing is well developed, and iron oxide exists along the

joint plane, there is usually radioactivity. The vertical north 10° east fractures at the edge of the trachyte in claim 4 also records radioactivity of about the same intensity as that which is recorded near the joints.

The radiation count is between 5 and 10 on the high switch of a Fisher M-scope. The background count averaged between 1 and 3 but no readings were used unless the count went to 5 or better. The count on the mine ore in the loading bin, which was said to contain at least 0.22 U_3O_8, ranged between 10 and 15. Counts from cross fractures in the hanging wall of the mine fault zone, some 20 to 30 feet from the fault, averaged about 7 or 8. The count in the mine shaft runs well over 20 which is higher than the ore from the shaft. This is probably due to escape of radon, a radioactive decay product of uranium. The radon could most easily escape along the porous fault zone.

Samples of rock from the joint faces in the Granite Point claims continued to emit radiation after being removed from proximity to the joint surface. This indicates that the count on the joints is due to other than radon radiation.

It is probable that uranium and iron-bearing solutions ascending along the main fault zone would work their way out into the wall rock wherever the jointing had been strong enough to furnish a permeable passage. Thus it is reasonable to assume that the main fault zone contains uranium mineralization at least within the longitudinal dimensions marked by the uranium-bearing joints in the hanging wall.

Recommendations for Exploration

The first exploration project should be a series of bulldozer cuts through the talus covering to expose the main fault zone.

Cut No. 1.--Starting near the south edge of the isolated outcrop near the northwest corner of claim 3, running the cut in a northwest direction. The fault is probably within 25 to 100 feet of the outcrop.

Cut No. 2.--Starting on the south side of the gulch that cuts the northern part of claim 3. Probably the cut should begin about 100 feet from the cliff and run in a southwest direction, but information obtained from cut 1 will help to locate

the probable position of the fault at this locality.

Cut No. 3.--On the south side of the gulch that cuts through the center of claim 5. Its position will, in turn, be governed by the findings in cuts 1 and 2.

Cut No. 4.--Bearing about southwest to the west of the radioactive area near the center of claim 8. The fault here may be from 100 to 300 feet from the base of the cliff.

Cut No. 5.--On the north side of the gulch that cuts the south end of claim 8. The approximate position of the fault here may be determined by projection from the previous cuts.

If possible, a claim should be obtained along the west side of claim 9, south of claim 11, because the main fault may lie a little to the west of claim 9.

Following the location of the main fault by the surface cuts and the measuring of the intensity of radiation, if any, on the fault zone, it may then be advisable to drill six or eight diamond drill holes to cut the fault zone from 100 to 150 feet below the surface. These should be drilled where the best surface indications are obtained. After the results from these holes have been correlated with surface sampling in the bulldozer cuts, the drilling of an additional eight or ten holes might be advisable to test the continuity of the ore between the previous holes and to a deeper level.

The entire exploration program will not have to be carried out at once, however, if mineable ore is found in one area. Available finances could then be diverted to developing the ore body by a shaft and drifts. Further exploration could be financed from ore production.

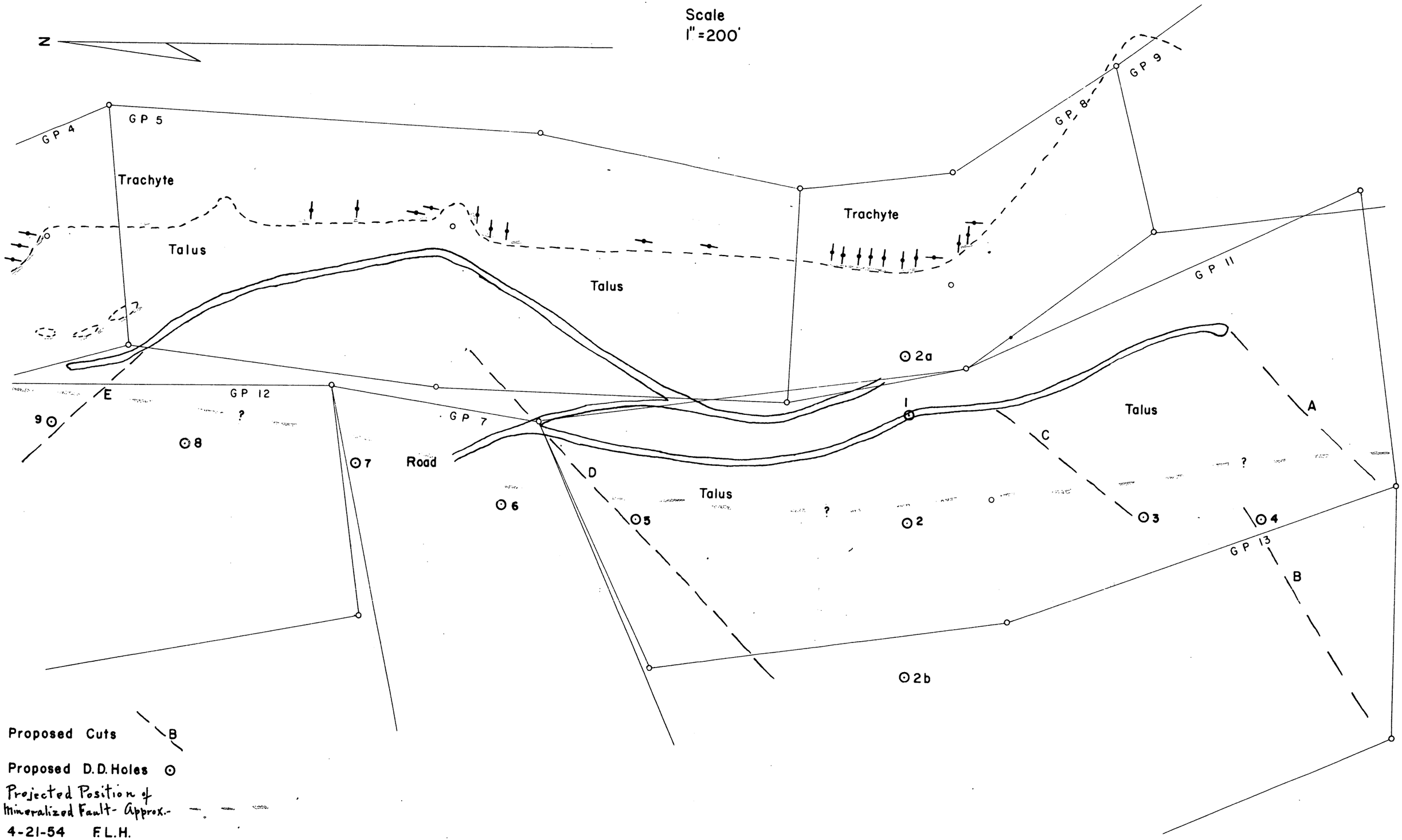
(Signed) FRED L. HUMPHREY

Fred L. Humphrey
Professional Engineer.

February 16, 1954.

GRANITE POINT CLAIMS
Humboldt County, Nevada

Scale
1" = 200'

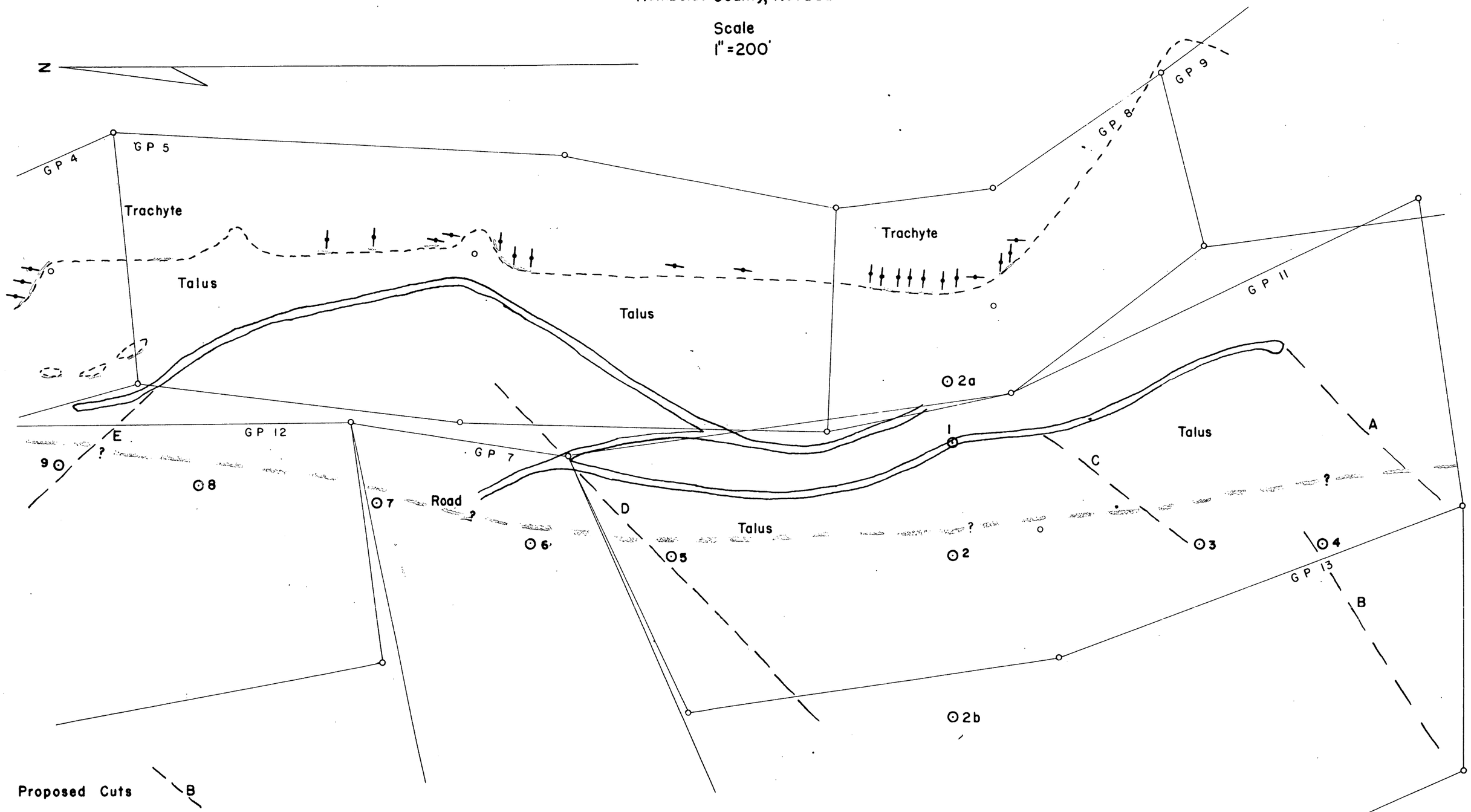


4-21-54 F.L.H.

GRANITE POINT CLAIMS

Humboldt County, Nevada

Scale
1" = 200'



Proposed Cuts B

Proposed D.D. Holes ⊙

Projected Position of Mineralized Fault - Approx. - - - -

4-21-54 F.L.H.

Field Reg. Action on 3305 referred to

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. 3359
Metal or Mineral Uranium
Date Received
Estimated Cost $49,000
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: Nevada Rosegold Placers, Inc.,
200 Davis Street
San Francisco, 11, California

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

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

(*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
East ½ of Section 4, Twp 45N, Range 34 East
Consisting of 8 Lode Mining Claims

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

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

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

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

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

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

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

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

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

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

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

.....

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

☒ Money ☐ Use of equipment owned by you ☐ Other

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 May 14, 1954

Nevada Rosegold Placers, Inc.
(Applicant)

By Albert S. Smurak Sec

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) NEVADA ROSEGOLD PLACERS, INC., 200 DAVIS STREET, SAN FRANCISCO 11, CALIFORNIA.

(b) This is a corporation, organized August 19, 1941, State of Nevada.

(c)

President	M. T. Vanderslice	Walnut Creek, California
V-President	R. M. Glessner	432 Live Oaks Drive, Mill Valley, California
Sec.-Treas.	Albert S. Simrak	200 Davis Street, San Francisco 11, California
Director	L. W. Glessner	456 Post Street, San Francisco 8, California
Director	Hans Hammer	Box 60, Byron, California

(d) Not a partnership

3.--(a) Property is located in East ½ of Sec. 4, Twp 45N, Range 34 East, in an unnamed mining district 75 miles north of the town of Winnemucca, State of Nevada. It consists of 8 lode mining claims as follows: Granite Point No. 4, Granite Point No. 5, Granite Point No. 7, Granite Point No. 8, Granite Point No. 9, Granite Point No. 11, Granite Point No. 12, and Granite Point No. 13, all contiguous.

(b) No name other than above designations.

(c) Lessee--Purchaser under contract.

(d) Copy of Lease here attached. (Marked Exhibit A)

(e) Not a direct owner--no liens or encumberances.

(f) Location notices all recorded in Book 5, Pages 115, 116, 117, 118 of Notices, Records of Humboldt County, Winnemucca, Nevada.

4.--(a) There are no mine workings or openings on this property.

(b) There is no past or current production or ore reserves.

(c) Report of Dr. Fred L. Humphrey here attached for reference. (Marked Exhibit B)

(d) Property is accessible by 40 miles of paved road north from Winnemucca to Orovada, thence by good graded dirt road to Kings River area about 30 miles N.W. from Orovada, which totals about 70 miles distant from Winnemucca, which provides the necessary shipping point, supplies and residence point.

(e) Manpower, materials, supplies and equipment are available in Winnemucca. There is sufficient water available for domestic purposes within 1 mile of the property. Power is not available.

5.--(a) We are desirous of exploring for Uranium bearing ores and particularly the primary ore--Uraninite and Pitchblende.

(b) Program 1 -- (Marked Exhibit C)

It is proposed to diamond drill portions of this property to try to locate the mineralized fault which runs in a north-south direction thru the major portion of our property and no doubt is responsible for the strong radioactivity to be found on the cross fractures.

Program 2 --

Following the location of the mineralized fault by drilling, a shaft site will be selected at the point of the strongest radioactivity as located by assay of drill core. It is then planned to sink a shaft to an approximate depth of 200 feet and prepare for mining. It is anticipated that production of ore on conclusion of shaft sinking will provide sufficient funds for all additional development costs and mining.

(c) The work will be started within 30 days and should be completed within 4 months.

(d) Considerable exploration work was undertaken on property of the Hamilton Consolidated Mines Corporation near Ely, Nevada, under the management and direct supervision of this applicant. Additional supervision will be provided by Dr. Fred L. Humphrey of the School of Mineral Sciences, at Stanford University, and by M. E. Bohannan of Reno, Nevada, an operating mining engineer of many years experience and associated with many mining operations. Over-all supervision will be provided by Albert S. Simrak, General Manager of Double O Timber & Mining Company, which company has extensive property holdings in California and has been engaged in mining for many years, as well as providing for operations of its several subsidiary companies.

6.-- The estimated costs as listed for Program #1 are -- $21,000.

(a) Diamond Drilling will be done by contract as follows--

1500' to 2000' of hole at $5.00 per foot (maximum)	$10,000.
Reaming-Cementing at $2.50 per foot (estimated at 1000 feet)	2,500.
Transportation of equipment charge by drilling contractor	400.

(b) Estimated cost of Engineering & Geological personnel	1,000.
Estimated cost of Supervision ($500. per month--4 months)	2,000.
Labor-Tractor work, preparing additional drill stations, roads	400.
(c) Gasolene-Oil-Tires-Shovels, Picks and other materials, Powder, etc.	500.
(d) GMC 3/4 Ton pickup truck for transportation of engineering and supervision personnel and materials and supplies $150. per mo.	600.
Tractor rental additional road building 20 days at $40. per day	800.
(e) Not applicable	
(f) Not applicable	
(g) Estimated cost of repairs and maintenance to tractor, truck, etc.	350.
Employee's Liability Insurance and Payroll Taxes	150.
(h) This cannot be easily itemized as there are many unforeseen difficulties that arise in the course of an exploration program which automatically create contingencies that are directly chargeable as a cost to the operation. Therefore, the estimated cost of this item is--	2,300.

The estimated costs for Program #2 are -- $28,000.

(a) Sinking of single compartment shaft with man-way by contract to depth of 200 feet at $80. per foot	$16,000.
(b) Estimated cost of engineering and supervision for 2 months at $500. per month	1,000.
(c) Gasolene-Oil-Tires-Shovels-Picks-Powder, Fuse & Caps-Timber-Nails-Wedges, etc.	1,000.
(d) GMC 3/4 ton pick-up truck for transportation of engineering and supervision personnel and materials and supplies, $150. per month for 2 months	300.
Tractor rental for bull-dozing shaft site and road, 10 days at $40. per day	400.
Compressor, Jack-hammer, Air hose, Steel and bits, 2 months	500.
A Fairbanks-Morse powered hoist with heavy cable and other operating equipment, used, estimated cost --	4,500.
(e) Not applicable	
(f) Trailer house and camp buildings for miners and laborers	2,000.
(g) Estimated cost of repairs and maintenance to tractor, truck,etc.	200.
Employee's liability insurance and Payroll Taxes	100.
(h) Estimated cost of contingencies	2,000.

7.--(a) This corporation is prepared to furnish the full pro-rata share of the expenses and estimated costs as enumerated above in CASH, subject to the government participation as stated in Sec. 7, DMEA No. 1.

(b) Cash will be available for this undertaking.

May 14-1954

Nevada Rosegold Placers, Inc.

Albert S. Smirak Sec

Nevada Rosegold Placers, Inc.

Exhibit A

OPTION TO PURCHASE

THIS AGREEMENT made in duplicate this 1st day of December, 1953, between L. B. WILKERSON, L. R. MURDOCK and JOHN G. MURDOCK, all of the C Winnemucca, County of Humboldt, State of Nevada, parties of the first part, inafter known as "Sellers," and M. E. BOHANNAN, of the City of Reno, County of Washoe, State of Nevada, party of the second part, hereinafter known as "Buyer,"

W I T N E S S E T H:

That the Sellers for and in consideration hereinafter mentioned hereby agree to sell and convey unto the Buyer, or his legal representative, the following described lands, mining claims and mining rights situate in the Unknown Mining District, County of Humboldt, State of Nevada, known as the GRANITE POINT GROUP, all of which are of record in the office of the County Recorder of said Humboldt County, State of Nevada, and more particularly described as follows:

GRANITE POINT No. 4 - Recorded in Book 5, page 115 of Notices, Records of Humboldt County, Nevada.

GRANITE POINT No. 5 - Recorded in Book 5, page 115 of Notices, Records of Humboldt County, Nevada.

GRANITE POINT No. 7 - Recorded in Book 5, page 116 of Notices, Records of Humboldt County, Nevada.

GRANITE POINT No. 8 - Recorded in Book 5, page 116 of Notices, Records of Humboldt County, Nevada.

GRANITE POINT No. 9 - Recorded in Book 5, page 117 of Notices, Records of Humboldt Co., Nevada.

GRANITE POINT No. 11 - Recorded in Book 5, page 117 of Notices, Records of Humboldt County, Nevada.

GRANITE POINT No. 12 - Recorded in Book 5, page 118 of Notices, Records of Humboldt County, Nevada.

GRANITE POINT No. 13 - Recorded in Book 5, page 118 of Notices, Records of Humboldt County, Nevada.

The total purchase price of said mining claims and premises shall be One Hundred Thousand Dollars ($100,000.00) in lawful money of the United States of America, payable on or before ten (10) years from the date hereof in the manner and in the amounts and on the dates as hereinafter provided as follows:

A. Twenty Thousand Dollars ($20,000.00) due and payable at the expiration of two (2) years from the date of this agreement, on or before December 1, 1955.

B. Twenty Thousand Dollars ($20,000.00) due and

payable upon the expiration of five (5) years from the date of this agreement, on or before December 1, 1958.

C. Twenty Thousand Dollars ($20,000.00) due and payable at the expiration of seven (7) years from the date of this agreement, on or before December 1, 1960.

D. Forty Thousand Dollars ($40,000.00) due and payable on or before the expiration of ten (10) years from the date of this agreement, on or before December 1, 1963.

The payments as above outlined shall be reduced and diminished by the amounts paid as and for royalties and minimum payments as hereinafter outlined,

(1) a ten per cent (10%) gross royalty shall be paid to the sellers by the buyers on all ores shipped, said royalties to be based on the smelter assays from said ores, and on any ores now mined but which have not been shipped.

(2) A payment of Two Hundred Dollars ($200.00) per month commencing thirty (30) days from the date of this option and to continue for a period of five months; a payment of Four Hundred Dollars ($400.00) per month after the expiration of the first five (5) months, provided, however, that the royalty does not exceed the Two Hundred Dollars ($200.00) per month for the first five months and the Four Hundred Dollars ($400.00) per month thereafter.

That upon the execution of this agreement, the sellers agree to place in escrow with the First National Bank of Nevada, Winnemucca, Nevada, a good and sufficient deed conveying to the buyer the above described premises free and clear of all encumbrances by them made, suffered or committed, a copy of this agreement, and escrow instructions; and upon full compliance with all of the terms and conditions of this agreement the escrow holder is empowered, directed and instructed to deliver said deed to the buyer or his legal representative. All payments made under this agreement shall be made to said escrow holder, all of which shall apply on the purchase price heretobefore mentioned.

IT IS COVENANTED AND AGREED on the part of the Buyer as follows:

(1) That all work done and improvements put thereon by him shall be done in a good and workman-like manner and mining fashion and at the sole cost and expense of said buyer. That all assessment work will be done at the sole cost and expense of said buyer, and in a manner to conform with all State and Federal laws.

(2) That he will provide the necessary buildings, machinery, tools and fixtures for the carrying on of said mining operations; the title of which shall remain in the buyer, and should he forfeit his rights to purchase the property hereunder, he shall have the privilege of removal of said improvements.

(3) That he will not do any act or thing that would cause liens for material or labor to be placed against said property or any part thereof; that the said sellers shall have the privilege at all times during the life of this agreement to cause to be posted notices against said liens for material or labor furnished the buyer.

IT IS COVENANTED AND AGREED on the part of the sellers, as follows:

(1) That said buyer, or his legal representative, shall have peaceable possession of said mining premises during the term for which this (option) is given, provided said buyer complies with the terms provided herein; that should the buyer, or his legal representative, fail, neglect or refuse to carry out any of the terms and conditions hereinabove stated, for a period of thirty (30) days after notice of default, this contract shall become null and void and of no further force and effect, and all payments made hereunder shall be retained by the sellers as rentals for the use and occupancy of said premises, and the said buyer shall forthwith deliver to said sellers the peaceful possession of said premises and every part thereof.

(2) That in the event the buyer fails to perform as per terms of this agreement and thereby forfeits rights required hereunder, all papers held in escrow shall be returned to the sellers herein.

This agreement shall extend to, bind and be enforceable against the heirs, executors, administrators and assigns of the respective parties hereto.

IN WITNESS WHEREOF, the parties hereto have hereunto set their hands and seals the day and year first above written.

(Signed) L. B. WILKERSON
L. B. Wilkerson

(Signed) L. R. MURDOCK
L. R. Murdock

(Signed) JOHN G. MURDOCK
John G. Murdock

Parties of the First Part

(Signed) M. E. BOHANNAN
M. E. Bohannan

Party of the Second Part

STATE OF NEVADA)
: SS.
County of Humboldt)

On this 1st day of December, A. D. 1953, before me, a Notary Public in and for said County and State, personally appeared L.B. WILKERSON, L. R. MURDOCK and JOHN G. MURDOCK, known to me to be the persons described in and who executed the above and foregoing instrument, who acknowledged to me that they executed the same freely and voluntarily and for the uses and purposes therein mentioned.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official Seal at my office, the day and year in this certificate first above written.

(SIGNED) DONALD M. LEIGHTON
Notary Public in and for said County and State

My Commission Expires:

Sept. 6, 1957

- - - - - -

STATE OF NEVADA)
: SS.
County of Humboldt)

On this 1st day of December, A. D. 1953, before me, a Notary Public in and for said County and State, personally appeared M. E. BOHANNAN, known to me to be the person described in and who executed the above and foregoing instrument and who acknowledged to me that he executed the same freely and voluntarily and for the uses and purposes therein mentioned.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my Official Seal at my office, the day and year in this certificate first above written.

(SIGNED) DONALD M. LEIGHTON
Notary Public in and for said County and State

My Commission Expires:

Sept. 6, 1957

Nevada Rosegold Placers, Inc.
Exhibit B-

REPORT ON THE GRANITE POINT MINING CLAIMS
HUMBOLDT COUNTY, NEVADA

Introduction

The Granite Point uranium claims are in the Kings River District about 75 miles north of Winnemucca, Nevada. They are situated on the west flank of a range of hills about 30 miles northwest of Orovada on the east side of the Kings River Valley. The elevation is approximately 5000 feet.

There are eight claims in the group, covering an area approximately 6000 feet long and 1200 feet wide. I visited the district and made a brief examination of the claims on February 6, 1954, at the request of Mr. Albert Simrak.

Discovery of Uranium Mineralization in the District

Uranium mineralization was discovered in this area in the spring of 1953 by a group of men while prospecting for scheelite. They found an outcrop of altered trachyte, containing considerable iron oxide, in which there were fluorescent crystals. By subsequent analysis these crystals were determined to be autunite, which is a hydrated calcium uranium phosphate. It is a secondary mineral found near the surface in the zone of oxidation and is derived by the alteration of other uranium minerals.

Further work on the deposit disclosed that the mineralization occurs in a fault zone which strikes about north-south along the west edge of the Range. The mineralization of the fault zone indicates that the deposit is probably of hydrothermal origin but the primary minerals have undergone intense oxidation near the surface.

General Geology

The ore occurs in trachyte which is the dominant rock of the Range. It is in excess of 400 feet thick and commonly has well defined flow banding which strikes about north-south and dips from 10 to 25° to the east.

The west side of the Range is apparently bounded by a fault or fault zone. In

most places the fault is covered by trachyte talus, but at the uranium discovery the fault is exposed, dipping about 60° to the east. At the bottom of the shaft, however, approximately 40 feet below the surface, the fault dips about 80° east. It probably will continue to steepen and become a steep west-dipping fault at a deeper level. The east dip undoubtedly results from creep of the surface rock.

Shaft is on moonlight claims (DMEA-3305) about 1 mile South of Granite Point Claims NLM

The west edge of the trachyte is very steep and generally is a cliff, or fault line scarp, in most places as much as 100 feet high. The rock to the west of the cliff is talus except for a few isolated trachyte outcrops, elongated in a north-south direction, that are 100 to 400 feet from the cliff. The fault zone is almost on the west edge of these outcrops. In some places a distinct bench is seen in the talus which probably results from the talus covering other elongated outcrops along the fault.

The fault zone, and the west edge of the Range, strike on the average between north 5° and north 10° east. There are a number of vertical or steep west-dipping north-south fractures in the trachyte that are probably complementary to the main fault zone. In addition, there are many vertical, east-west fractures or joints in the west edge of the trachyte, several of which contain iron oxide mineralization. The bands of iron oxide-impregnated rock along these joints are almost invariably radioactive.

The fault zone at the mine shaft is more than 10 feet wide although the shaft is only about four feet wide. No drilling has yet been done in the walls to determine the total width of ore.

In recent weeks two cars of ore have been shipped from the shaft that assayed about 0.22 U_3O_8. Two other cars of ore, taken at an earlier date from the surface, assayed in the neighborhood of 0.11 U_3O_8. The ore is a fractured and sheared trachyte impregnated with iron oxide. Autunite occurred at the surface but no fluorescent minerals were seen in rock from the higher grade ore in the bottom of the shaft. The primary hydrothermal minerals were probably pyrite and uraninite. Both of these minerals oxidize readily but should be present below the zone of

oxidation.

About 1000 feet west of the Granite Point claims there are several exposures of a granitic rock. As yet the relationship of this rock to the fault zone is unknown due to the talus covering. Likewise no evidence pointing to a relationship between this rock and the uranium mineralization is yet available.

Granite Point Claims

The Granite Point property, comprising eight claims, begins about one mile north of the uranium mine. The claims are grouped as shown on the accompanying sketch. Claims 4, 5, 8 and 9 are contiguous, parallel to and over-lapping the cliff along the edge of the Range. Claims 7, 11 and 12 are along the west side of claims 4, 5, and 8. Claim 13 is west of claim 11. The location points of claims 5 and 8 were found, and at least one corner of each of the claims was found with the exception of claim 9.

The fault zone bounding the west side of the Range is not exposed on these claims. Its approximate position, as shown on the sketch, is probably near the west side line of claims 4, 5, 8 and 9. This was determined by projecting from known outcrops to the south; by a change in slope of the talus (which is very pronounced in a few places); and by the fractured and altered condition of the two isolated trachyte outcrops at the south end of claim 4. In addition, the small hot spring eruption near the southwest corner of claim 4 is probably close to the fault. (This spring is not now flowing, but the crater area, about 8 feet in diameter, is damp. The material thrown out is a very hydrothermally altered and sericitized trachyte mud.)

Although the main fault zone is covered and could not be prospected for uranium, there are several places along the trachyte cliff where reasonably strong radioactivity occurs. They are marked in red pencil on the enclosed sketch. These radioactive spots are on east-west vertical cross fractures or joints in the trachyte. Wherever the jointing is well developed, and iron oxide exists along the

joint plane, there is usually radioactivity. The vertical north 10° east fractures at the edge of the trachyte in claim 4 also records radioactivity of about the same intensity as that which is recorded near the joints.

The radiation count is between 5 and 10 on the high switch of a Fisher M-scope. The background count averaged between 1 and 3 but no readings were used unless the count went to 5 or better. The count on the mine ore in the loading bin, which was said to contain at least 0.22 U_3O_8, ranged between 10 and 15. Counts from cross fractures in the hanging wall of the mine fault zone, some 20 to 30 feet from the fault, averaged about 7 or 8. The count in the mine shaft runs well over 20 which is higher than the ore from the shaft. This is probably due to escape of radon, a radioactive decay product of uranium. The radon could most easily escape along the porous fault zone.

Samples of rock from the joint faces in the Granite Point claims continued to emit radiation after being removed from proximity to the joint surface. This indicates that the count on the joints is due to other than radon radiation.

It is probable that uranium and iron-bearing solutions ascending along the main fault zone would work their way out into the wall rock wherever the jointing had been strong enough to furnish a permeable passage. Thus it is reasonable to assume that the main fault zone contains uranium mineralization at least within the longitudinal dimensions marked by the uranium-bearing joints in the hanging wall.

Recommendations for Exploration

The first exploration project should be a series of bulldozer cuts through the talus covering to expose the main fault zone.

Cut No. 1.--Starting near the south edge of the isolated outcrop near the northwest corner of claim 5, running the cut in a northwest direction. The fault is probably within 25 to 100 feet of the outcrop.

Cut No. 2.--Starting on the south side of the gulch that cuts the northern part of claim 5. Probably the cut should begin about 100 feet from the cliff and run in a southwest direction, but information obtained from cut 1 will help to locate

the probable position of the fault at this locality.

Cut No. 3.--On the south side of the gulch that cuts through the center of claim 5. Its position will, in turn, be governed by the findings in cuts 1 and 2.

Cut No. 4.--Bearing about southwest to the west of the radioactive area near the center of claim 8. The fault here may be from 100 to 300 feet from the base of the cliff.

Cut No. 5.--On the north side of the gulch that cuts the south end of claim 8. The approximate position of the fault here may be determined by projection from the previous cuts.

If possible, a claim should be obtained along the west side of claim 9, south of claim 11, because the main fault may lie a little to the west of claim 9.

Following the location of the main fault by the surface cuts and the measuring of the intensity of radiation, if any, on the fault zone, it may then be advisable to drill six or eight diamond drill holes to cut the fault zone from 100 to 150 feet below the surface. These should be drilled where the best surface indications are obtained. After the results from these holes have been correlated with surface sampling in the bulldozer cuts, the drilling of an additional eight or ten holes might be advisable to test the continuity of the ore between the previous holes and to a deeper level.

The entire exploration program will not have to be carried out at once, however, if mineable ore is found in one area. Available finances could then be diverted to developing the ore body by a shaft and drifts. Further exploration could be financed from ore production.

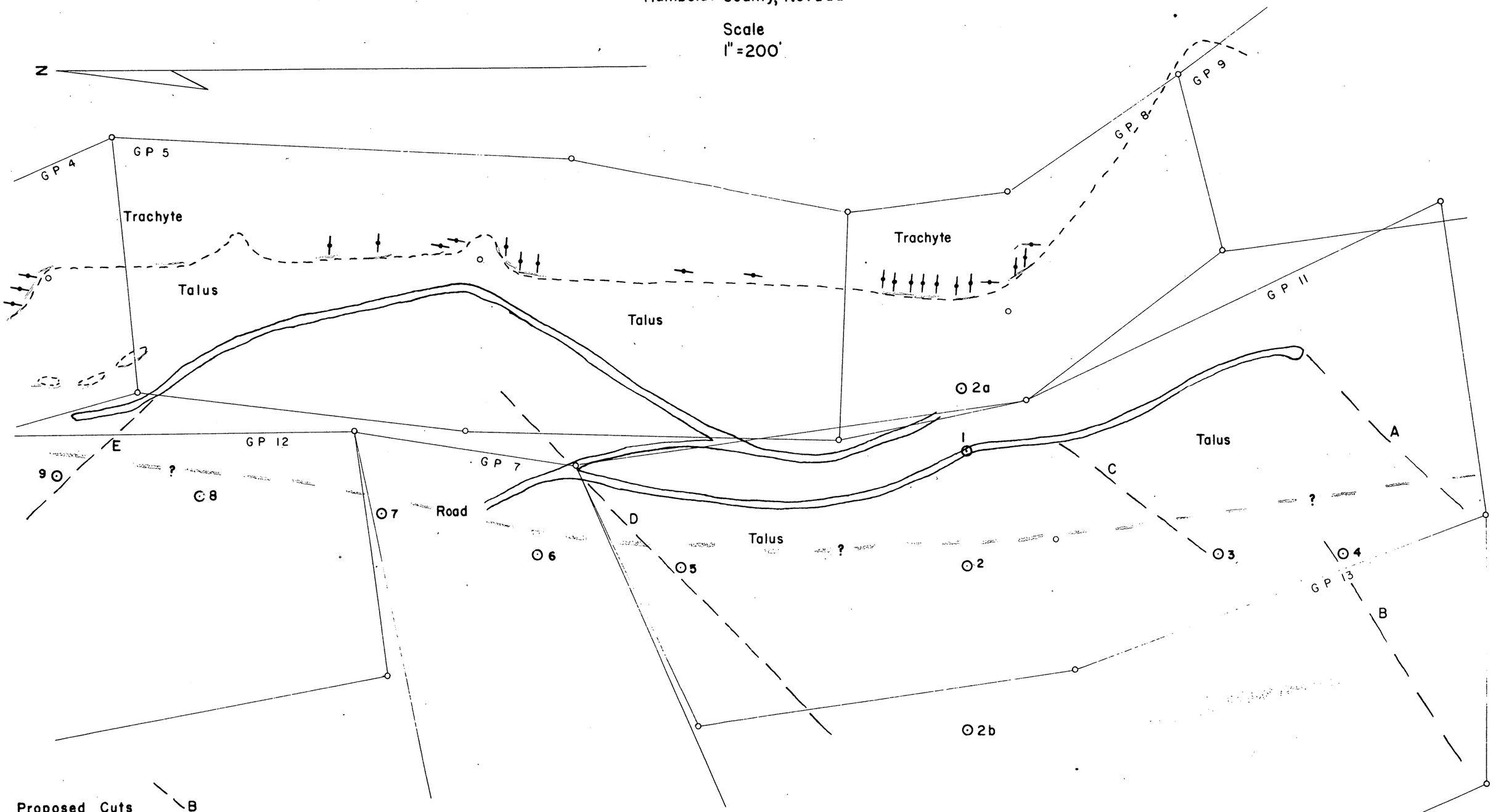
(Signed) FRED L. HUMPHREY

Fred L. Humphrey
Professional Engineer.

February 16, 1954.

GRANITE POINT CLAIMS
Humboldt County, Nevada

Scale
1" = 200'



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