DMA Form 1

DEFENSE MINERALS ADMINISTRATION
Control Slip

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DMA Docket No. 2704

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EXPLORATION

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One copy to USBM. & USGS.

Routing Slip
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To:	Base Metals Div.	Date	9/22/52
To:	Op Com	Date	10/17/52
To:	Open Com	Date	12-17-52
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FILE COPY
SURNAME:

500

Keating
Walter
J. Lepper
Ellis
Bishop
Newcandle
Hedges
Cantrell
Johnson

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

DEC 18 1952

Mr. H. D. Whittaker
Secretary - Treasurer
Natural Resources Developing Co.
354 Village Lane
Los Gatos, California

Re: Docket No. DMEA 2704 (Lead-Zinc)
Wild Bill Claim
Mono County, California

Dear Mr. Whittaker:

The Government has made a careful study of the data submitted in your application together with all the geological and field reports available. We have been unable to marshall sufficient evidence to permit us to reach a conclusion that the program of exploration work you proposed might be successful. Under the circumstances it has become necessary to advise you that your application for exploration project assistance is denied.

We wish to express our appreciation of the opportunity you have given us to consider your defense exploration project, and it is with regret that we have to inform you of an unfavorable decision regarding your request.

Sincerely yours,

C. O. Mittendorf (for) J.H. 12-18-52

Administrator

AGKeating/bw
(written 10/3/52)
Copy to: Docket
Admr. R. File
Op. Committee
Mr. Keller (2)
Mr. Keating
Mr. Bishop
Mr. McKnight
Region III (2)
Chron.

UNITED STATES 500
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C.

Memorandum DEC 1 8 1952

To: Administrator

From: Chief, Base Metals Division

Subject: Denial of Application Docket No. DMEA-2704, Natural Resources Developing Company (Lead-Zinc)

The above-numbered application was received in this office on September 17, 1952, after having been previously denied Government assistance under Dockets Nos. DMA-775X and DMEA-2667 for uranium and tungsten. An examination was made June 29, 1951, by G. W.Walker and R. U. King, with uranium as the objective, who reported that because of the potentially small amount of uranium found, the property was of no further interest as a source of that ore.

During this examination grab and chip samples were taken which were assayed for lead, zinc and copper. Two of the samples were reported to show appreciable amounts of these minerals.

In order to more thoroughly evaluate the importance of this report, a letter was written October 21, 1952, to the field office requesting their recommendations with reference to the significance of the two assays showing substantial values of lead, zinc and copper. As a result of our inquiry the Field Team reexamined the property on October 30, 1952, and cut four samples from two mineral-bearing structures exposed in the adit, which were taken from the parts of the vein with the best showing of minerals. These exposures indicated a quartz structure that ranged from 2 inches to 2 feet in thickness, and a fault zone that ranged from 2 feet to 5 feet in thickness.

The Field Team reported that the grade of material represented by all of the sample assays was too low to support a mining

operation, and there was no basis from which to assume that a higher grade would be discovered. The assays obtained by Walker in his previous examination represented widths of not more than 3 inches and reserves, as calculated from the exposures, would probably amount to less than 5 tons. The Field Team is of the opinion that Government assistance for exploration is not warranted.

The Washington members of the USGS and USBM attribute the assays to small masses of oxidized material in an otherwise barren quartz vein. They recommend that the nature of the mineralization precludes the possibilities of substantial ore bodies being found.

In concurrence with the Field Team and Washington Commodity members, this office recommends denial of exploration assistance in this instance.

H. F. Keller, Chief
Base Metals Division

FILE COPY
SURNAME:

500

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

Keating
Newcomb

Memorandum

DEC 1 8 1952

To: Administrator

From: Chief, Base Metals Division

Subject: Denial of Application Docket No. DMEA-2704, Natural Resources Developing Company (Lead-Zinc)

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H. P. Keller, Chief
Base Metals Division

AGKeating/hmj
12-12-52
Ccto: Adm. Reading File
Operating Committee
Docket File Copy
Mr. Keller (2)
Mr. Keating
Region III (2)
Mr. Kinkle
Mr. Bishop

IN REPLY REFER TO:

G-MD-CNF

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

October 1, 1952

Memorandum

Re: DMEA-2704
Wild Bill Claims
Chidago District
Mono County, California
$3580

To: Mr. H. F. Keller

From: E. L. Newcomb, USGS
O. M. Bishop, USBM

Subject: Recommendation for denial

The applicant proposes to explore oxidized mineralization in a fault zone by sinking a 60-foot winze from the Wild Bill No. 1 tunnel level. He will also bulldoze a 3,000-foot road to the tunnel portal.

The property has previously been denied Government assistance (DMA-775X, DMEA-2667) for uranium exploration. A field team report was prepared in connection with these applications. Three chip and grab samples taken by the field team assayed 20.19, 16.5, and 0.96% lead, and 1.02, 1.98, and 0.52% zinc. The high lead content of two of the samples was undoubtedly obtained from oxidized material as the field team lists cerussite as the chief lead mineral on the property. Most of the mineralization occurs as massive gold-quartz veins in quartz monzonite, containing minor amounts of associated pyrite, galena and sphalerite. The veins are reported to vary in width between 6 and 24 inches, but most of them are less than 12 inches. Fault and breccia zones, which are roughly parallel to the strike of the veins, cut and displace the mineralized quartz veins. These zones often contain oxidized material which was formed by the oxidation of the sparse sulfides in the veins. The nature of the mineralization in the quartz veins does not indicate that larger amounts of sulfides can be expected at greater depth.

According to the California Journal of Mines and Geology, Vol. 36, 1940, the applicant's group of claims produced an unknown amount of gold-silver-lead-zinc ore between 1870-1884. It is reasonable to assume that any production from the property probably was from oxidized ore.

The available information on the property indicates that the applicant's proposal is unlikely to discover any significant amount of sulfide lead-zinc ore. I recommend that the application be denied for lead-zinc exploration assistance.

E. L. Newcomb
E. L. Newcomb
Geologist

O. M. Bishop
O. M. Bishop
Mining Engineer

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

G-MD-CNF

October 1, 1952

Memorandum

Re: DMEA-2704
Wild Bill Claims
Chidago District
Mono County, California
83580

To: Mr. H. F. Keller

From: E. L. Newcomb, USGS
O. M. Bishop, USBM

Subject: Recommendation for denial

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E. L. Newcomb
Geologist

O. M. Bishop
Mining Engineer

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
DEC 8 1952

Office of
Executive Officer
DMEA Field Team
Region III

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

December 4, 1952

~~Keeling~~
Keller
Batty

Memorandum

To: Frank E. Johnson, Chairman, Operating Committee, DMEA, Interior Building, Washington 25, D. C.

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket DMEA-2704 (Lead-Zinc), Natural Resources Developing Company, Mono County, California

Reference is made to your subject letter, dated October 21, requesting further information on the showings of lead, zinc and copper, which were reported in June 1951 by G. W. Walker and R. U. King of the Geological Survey when they examined the subject property with uranium as the objective.

Accordingly, C. D. Rinehart and D. C. Ross of the Geological Survey, examined the Wild Bill Claims on October 30, 1952, and four copies of their report, entitled DMEA-775, Wild Bill Group of Claims, Mono County, California, dated November 19, 1952, are attached hereto. Their report indicates that a small tonnage of copper, lead and zinc-bearing rock occurs in the Wild Bill deposit, but that the tonnage of such material is small. As it seems unlikely that a large quantity of copper, lead, zinc-bearing rock will be discovered by further exploration according to them, they recommend that Government aid be denied the applicant.

For your further information, the text of a memorandum, dated November 20, 1952, from George W. Walker to me, subject - Docket No. DMEA 2704, Natural Resources Developing Company, Mono County, California, is quoted below.

> "In June 1951, the Wild Bill group of claims were examined by R. U. King and myself to evaluate the property as a possible source of uranium. At that time, three select samples (sample nos. 50956 - 50598) were taken in areas on the property which contained the highest concentration of uranium as determined with Geiger-Mueller counters. The three samples, which are representative of about 10 tons of radioactive rock at the property were assayed for Cu, U, Au, Ag, Pb, Cu, and Zn.

Sample mumber 50957 was taken from a 6-inch quartz vein which contains small quantities of pyrite, chalcopyrite, gold (native?), sphalerite, galena ?, and minor amounts of secondary copper minerals. From visual observations, the content of sulfides in the quartz vein or veins as exposed in the unmapped parts of the underground workings is probably comparable to the material sampled. Samples 50956 and 50958, which contain appreciable quantities of Au, Pb, and Cu, were taken from oxidized material adjacent to the quartz vein and contain secondary ore minerals. In most of the fine-grained oxidized material Au-, Pb-, and Cu-minerals cannot be identified by visual means so that it is not possible to evaluate the distribution of these minerals without systematic sampling. However, zones of oxidized sulfides on the property are narrow, none over one foot wide having been observed; and the quantity of material comparable to samples 50956 and 50958 is probably less than 500 tons."

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

Copy to: E. H. Bailey, USGS
A. C. Johnson, Reno, Nevada

UNITED STATES
DEPARTMENT OF THE INTERIOR
OSCAR L. CHAPMAN, SECRETARY

DEFENSE MINERALS EXPLORATION ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM
REGION III

DMEA 775, Wild Bill Group of Claims

Mono County, California

C. D. Rinehart, Geologist
D. C. Ross, Geologist
U. S. Geological Survey

November 19,1952

Reviewed by
DMEA OPERATING COMMITTEE
12-17-52.
(dated)

The Wild Bill claims, Mono County, California, were examined on October 30, 1952, by C. D. Rinehart and D. C. Ross of the Geological Survey in order to determine possible reserves of copper, lead, and zinc minerals. (For general information regarding the property refer to the report of July 19, 1951, by G. W. Walker of the Geological Survey). The examination was confined to the underground workings described by Walker in his report, and consisted in cutting four five-pound samples from two mineral-bearing structures exposed in the adit. Sample localities and results of assays are shown on the accompanying map (see Plate 1).

The two mineral-bearing structures exposed in the adit are (1) a quartz vein that ranges from 2 inches to 2 feet in thickness, and (2) a fault zone that ranges from 2 feet to 5 feet in thickness.

The attitude of the quartz vein ranges from horizontal to a gentle southwesterly dip. Pyrite, chalcopyrite, and galena are distributed sporadically throughout the vein; the parts of the vein with the best showings of these minerals were sampled.

The fault zone strikes northwest, dips steeply southwest, and displaces the quartz vein. The zone is composed principally of gouge and angular fragments of country rock; the largest of the fragments are about 6 inches across. A few fragments of vein-quartz were also observed in the zone. No sulfide minerals were seen in the fault zone, and a few 1-inch to 2-inch thick limonite-rich seams within the zone are the only indications of metallic mineralization. The longest of these seams measured about 15 feet in length, and a 2-inch thick section of it was included in sample S-2. No other limonite seams were observed in the fault zone.

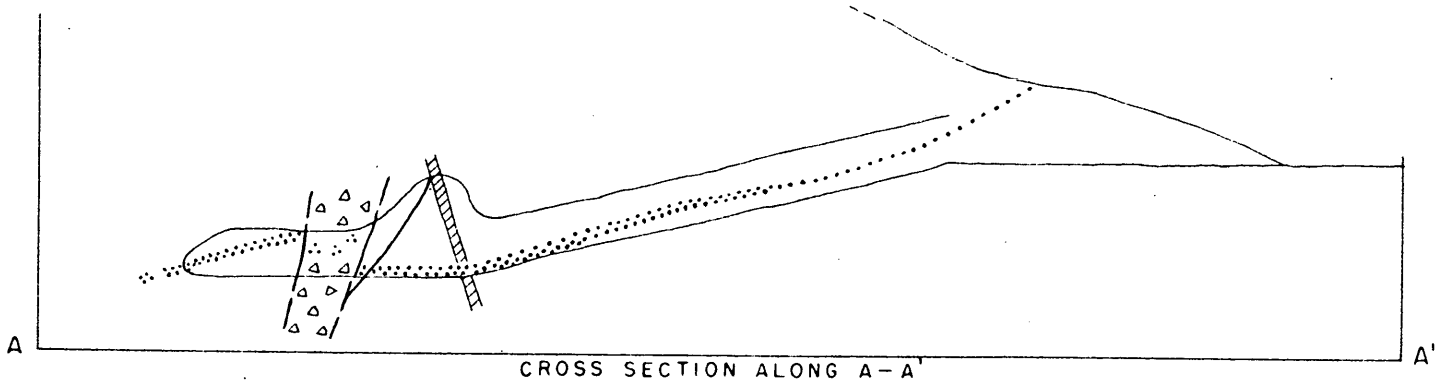
The grade of the material represented by all of the sample assays is too low to support the cost of a mining operation at present. Although several hundred tons of this low grade material could be probably developed with further underground work, there is no basis from which to assume that material of higher grade will be discovered by further exploration.

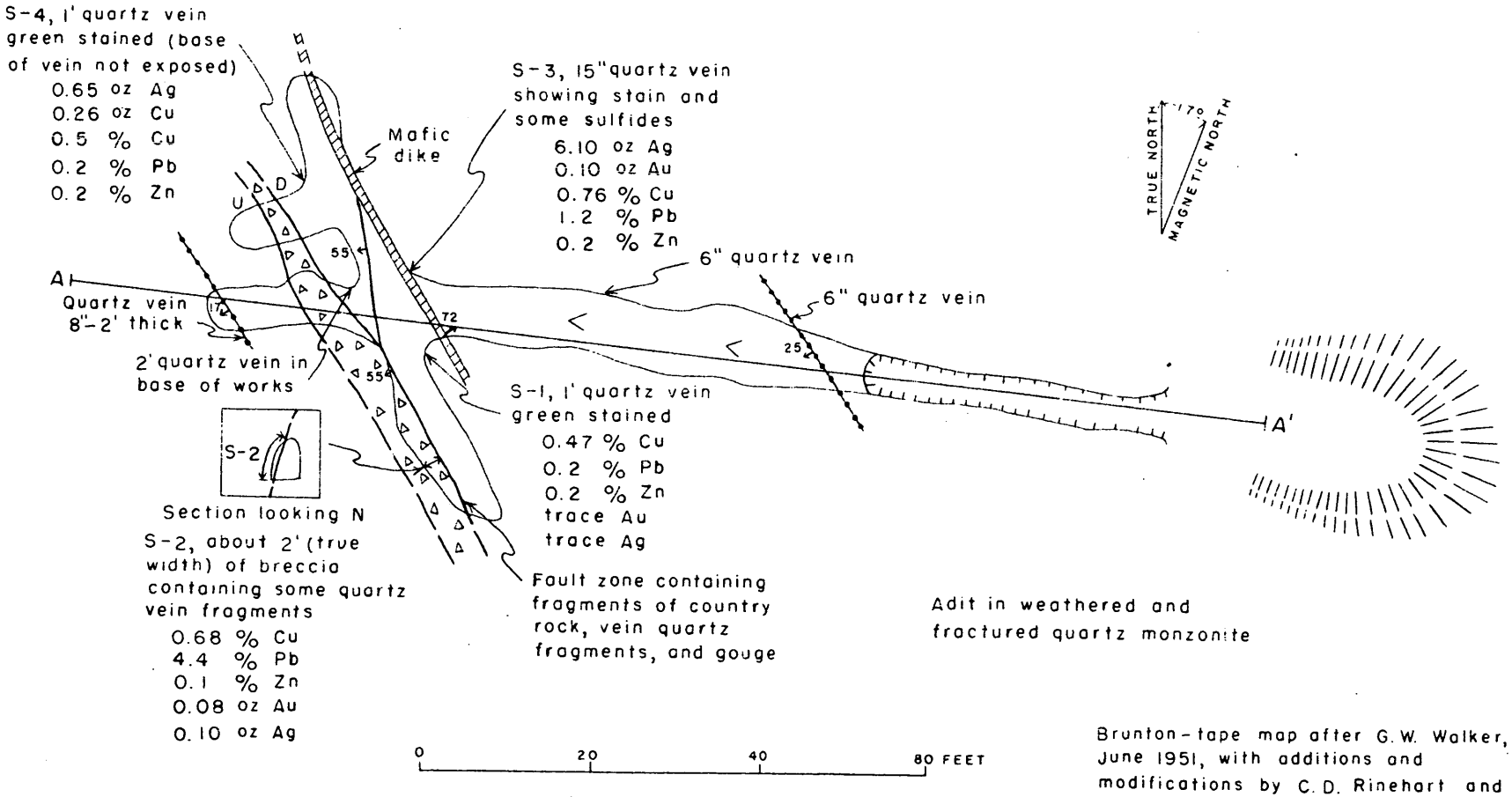
The assays obtained by Walker in his previous examination represent widths of not more than 3 inches. Reserves of this material exposed in the workings probably amount to less than 5 tons.

Government assistance in further exploration of the property is not warranted.

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

DME A – 775 x
COPPER – LEAD





Brunton-tape map after G.W. Walker, June 1951, with additions and modifications by C.D. Rinehart and D.C. Ross, October, 1952.

ADIT ON WILD BILL NO. 2 CLAIM, MONO COUNTY, CALIFORNIA

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
DEC 8 1952

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

Office of
Executive Officer
DMEA Field Team
Region III

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

December 4, 1952

Memorandum

To: Frank E. Johnson, Chairman, Operating Committee, DMEA, Interior Building, Washington 25, D. C.

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket DMEA-2704 (Lead-Zinc), Natural Resources Developing Company, Mono County, California

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Reviewed by
DMEA OPERATING COMMITTEE
12-12-52
(date)

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H. C. MILLER

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

Copy to: E. H. Bailey, USGS
A. C. Johnson, Reno, Nevada

UNITED STATES
DEPARTMENT OF THE INTERIOR
OSCAR L. CHAPMAN, SECRETARY

DEFENSE MINERALS EXPLORATION ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM
NUMBER III

DMEA 775, Wild Bill Group of Claims

Mono County, California

C. I. Rinehart, Geologist
D. C. Ross, Geologist
U. S. Geological Survey

November 19, 1952

Reviewed by
DMEA OPERATING COMMITTEE
12-12-52
(date)

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UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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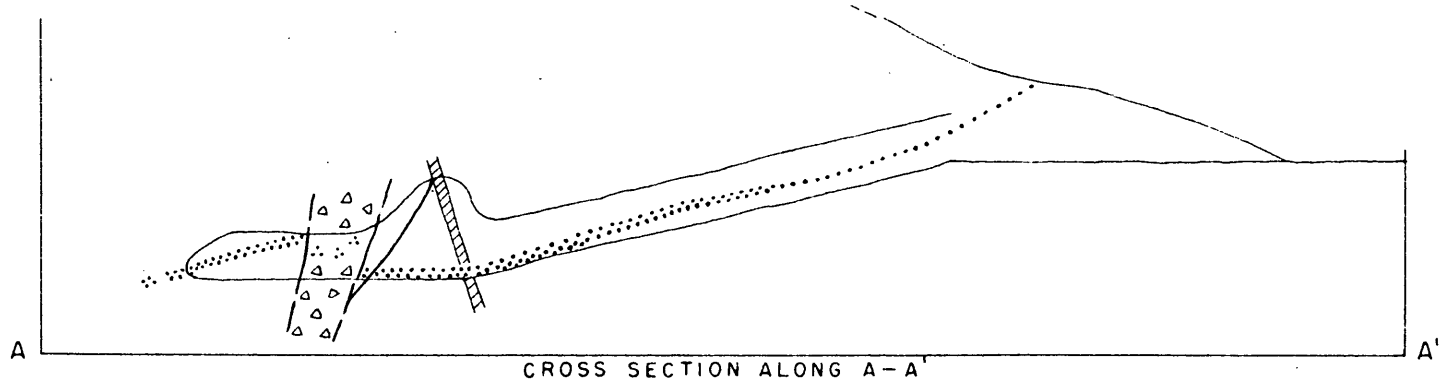
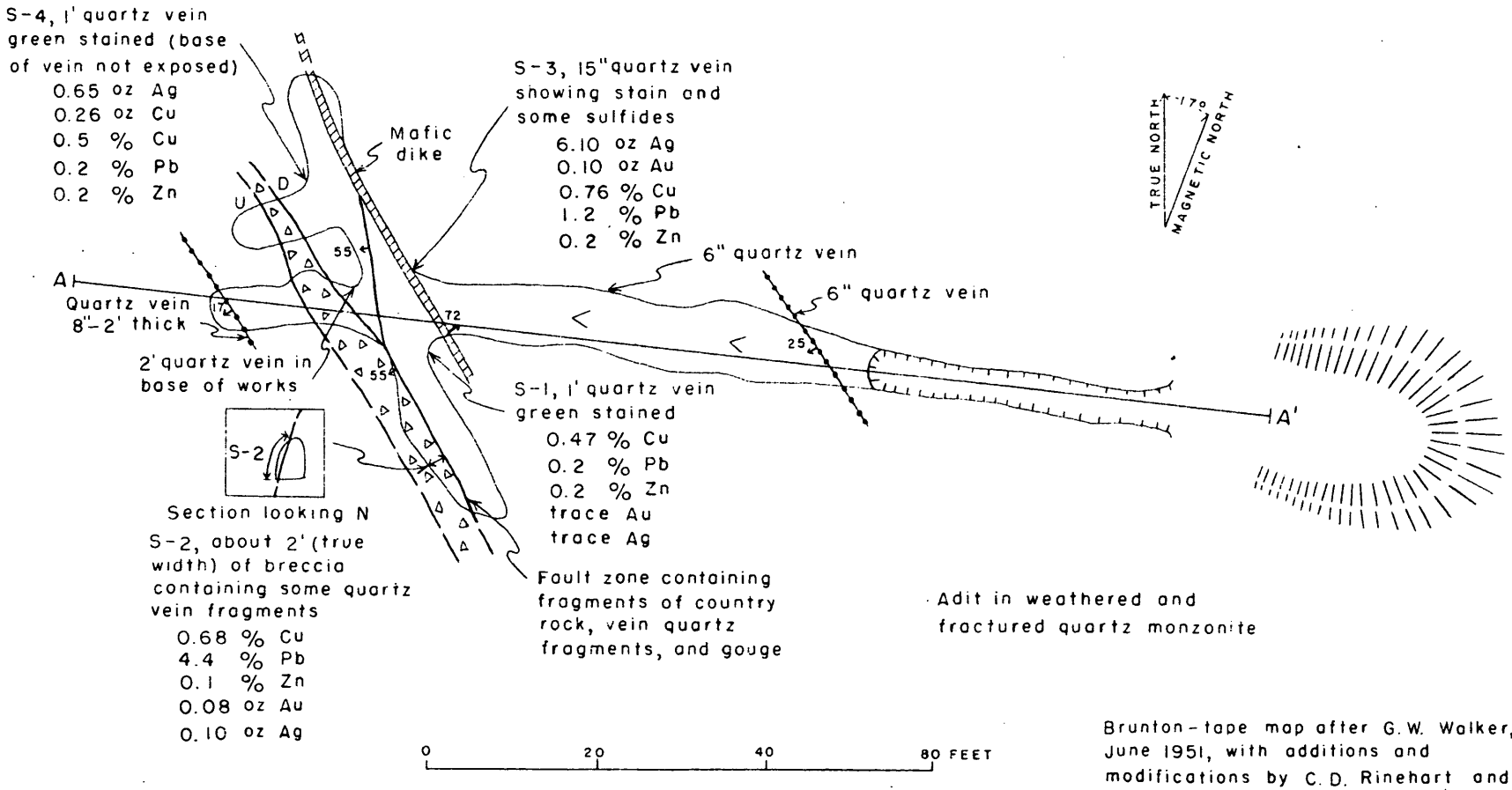
COPPER - LEAD



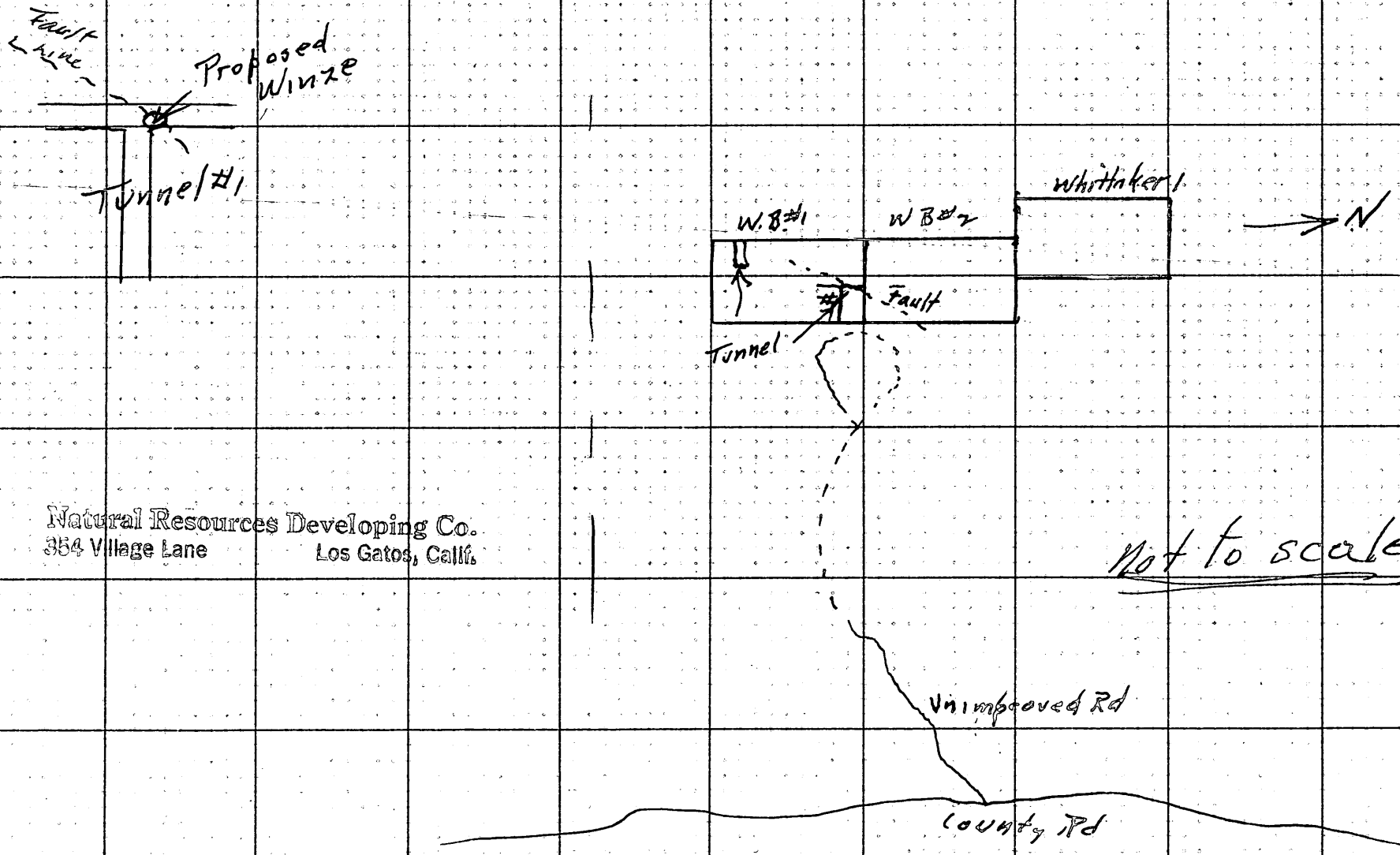
CROSS SECTION ALONG A-A'



Brunton-tape map after G.W. Walker, June 1951, with additions and modifications by C.D. Rinehart and D.C. Ross, October, 1952.

ADIT ON WILD BILL NO. 2 CLAIM, MONO COUNTY, CALIFORNIA

Twp 35
31E
Sec 18



Natural Resources Developing Co.
354 Village Lane Los Gatos, Calif.

Not to scale

FILE COPY
SURNAME:

500

Keating
for HKeller

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

Mr. H. C. Miller
Executive Officer, Region III
1012 Flood Building
870 Market Street
San Francisco 2, California

Re: Docket No. DMA-2704 (Lead-Zinc)
Natural Resources Developing Co..
Mono County, California

Dear Mr. Miller:

The above-numbered application was received in this office on September 17, 1952, after the project had previously been denied under Docket No. DMA-7757 and DMA-2667 for uranium and tungsten.

An examination of the property was made June 29, 1951, by G. W. Walker and H. D. King of the USGS, with uranium as the objective, and they reported that because of the small amount of uranium found the property was of no further interest as a source of that ore.

During this examination grab and chip samples were taken which were assayed for lead, zinc and copper. Two of the samples showed appreciable amounts of these minerals. A copy of the report containing the sampling information is enclosed.

Will you be kind enough to advise us as to your recommendation regarding this project with particular reference to the significance of the two assays showing substantial values of lead, zinc and copper.

Sincerely yours,

cc 10-21 (GVB)

(signed) FRANK E. JOHNSON

Chairman, Operating Committee
AGKeating:bw (written 10/14/52

Enclosure

APPROVED: J. H. Hedges (GVB)
Member, Bureau of Mines

A. R. Finkelman (GVB)
Member, Geological Survey

Copy to:
Docket
Adm. R. File
Op. Comm.
H. F. Keller (2)
A. G. Keating
Mr. Bishop
Mr. McKnight
Chron.

U. S. Department Of The Interior
Geological Survey

Trace Elements Preliminary Reconnaissance Report

Examined By: G. W. Walker & R. U. King

USGS-TEM: D-293

Date Examined: June 29, 1951

Date: July 3, 1951

State: California

County: Mono

District: Chidago

1. Name of Property: Wild Bill Group (Banner or Dog) Sec. 18 T. 3 S R. 31 E

2. Directions to Property: ½ mile west of Banner Spring, 8 miles S of Benton.

3. Owner Address: Natural Resources Development Co.,
354 Village Lane, Los Gatos, California

4. Published References: Tucker, W. B., and Sampson, R. J., Mines & Mineral Resources of Mono County, California State Mineralogist's Report, April 1940.

5. Mine Workings: 1000 feet of drifts and x-cuts in 3 mines.

6. Type of Examination: Radiometric and geologic.

7. Radioactive Deposit: Type and Age: Massive quartz vein, probably Tertiary.
Wall Rocks: Monzonite or diorite of Jurassic intrusive series.
Ore Minerals, Primary: Pyrite, chalcopyrite, gold (native), sphalerite.
Ore Minerals, secondary: Tenorite, chrysocolla, cerussite.
Gangue Minerals: Quartz, sericite, limonite, green and brown clay minerals.
Ore-Gangue Relationship: Primary minerals disseminated in quartz vein, secondary minerals coating fracture. Radioactive zones adjacent to fault.
Attitude: Flat to 15° Shape: Tabular
Length (strike or other): 1000 feet. Width: 600 feet approximate
Thickness: 1 to 2 feet

8. Counter Type: Lucky Strike Background: .02 mr/hr (1 division on x 1 scale)

9. Sample Information

Sample No.	Type	Eu (Percent) or c/m	Chem. Assay (Percent)	Location
F1268	Chip	.081	.065	North x-cut at turn from adit.
F1269	Co.	.039	.070	North wall of drift from north x-cut.
F1270	Grab.	.070	.058	Grab sample from dump.

	Au oz/ton	Ag oz/ton	%Pb	%Cu	%Zn
50956	1.96	0.28	16.50	2.43	1.98
50957	Trace	0.64	0.96	0.32	0.52
50958	1.28	0.92	20.19	3.25	1.02

10. Unpublished References: Preliminary Reconnaissance Report C-1, C-11-51, by E. E. Thurlow.

11. Reserves. Prelim. 10 Short Tons Grade: .05 $\%U_3O_8$ Inferred

12. Potentialities for Production: Probably none for uranium, but the vein may contain marginal deposits of gold, silver, copper, lead, and zinc ores.

13. Plans for Future Work: None

14. Proof of Ownership Received: No 15. Supplemental Report to Follow: No

Distribution

Merritt	(1)	Thurlow	(1)	McKelvey	(1)
Mineral Deposits Washington	(9)	Oster	(1)	Fischer	(1)
TEC-CO	(3)	GSP	(1)	Weissenborn	(1)
Hosted	(1)	Fuels	(1)	Cathcart	(1)
Towle	(1)	Alaskan	(1)	Benson	(1)
		Geophysics	(1)	Page	(1)

FILE COPY
SURNAME:

200

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

SEP 18

Mr. H. L. Whittaker
Secretary-Treasurer
Natural Resources Developing Company
354 Village Lane
Los Gatos, California

Dear Mr. Whittaker:

This will acknowledge your letter dated September 15, 1952 with reference to Docket No. DMEA-2667, requesting exploration assistance on the Wild Bill and Whittaker Mining Claims, Mono County, California.

In accordance with your request your application, which has been forwarded to the Base Metals Division for examination, will be considered for an exploration project on lead rather than uranium.

Please note that your application has been assigned a new docket number, DMEA-2704. Kindly refer to Docket No. DMEA-2704 in any future correspondence relating to your application.

Sincerely yours,

cc 9-18-52

ROBERT E. ADAMS
Robert E. Adams, Chief
Operations Control & Statistics Div.

REAdams/meb
9-18-52
cc to: Adm.Reading File
Mails & Files Br.

dmea 2704

NATURAL RESOURCES DEVELOPING COMPANY

C. W. STYER
PRESIDENT
H. L. WHITTAKER
SEC.-TREAS.

354 VILLAGE LANE • TELEPHONE ELGATO 4-3604
LOS GATOS, CALIFORNIA

RENO
NEVADA
BISHOP
CALIFORNIA

SEP 17 1952

Sept. 15th, 1952.

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

RE: Docket No DMEA-2667
Wild Bill and Whittaker
Mining Claims, MONO
County Calif.,

Gentlemen :

Ref. our application for loan on basis of uranium, and your letter of Sept. 10th, 1952 suggesting we apply for loan on same property on basis of lead, it is requested that the application which we sent in be transferred to a lead application rather than uranium.

Since the work to be done to reach the supposed ore body is the same in either case, it is believed that an additional application need not be transmitted. All data is the same, and the type and cost of everything holds in this as well as for the uranium.

The difference as we see it is in the amount of percentage assumed by ourselves. In this case, if our application on the basis of lead is accepted, we hereby agree to furnish 50% of the funds on a basis of part equipment and part cash, and request that this letter and the above statement be made a part of the previous application.

H L Whittaker

H. L. Whittaker
Sec'y-Treas.

C
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Y

UNITED STATES
DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration
Washington 25, D. C.

September 10, 1952

Mr. H. L. Whittaker
Natural Resources Development Co.
354 Village Lane
Los Gatos, California

Re: Docket No. DMEA-2667 (Uranium)
Wild Bill and Whittaker
Mining Claims
Mono County, California

Dear Mr. Whittaker:

Reference is made to your application for Government aid on the captioned project in the amount of $3,580.00.

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

A careful study of your application and data available to this Agency reveal that the probability of disclosing mineable uranium reserves by your proposed exploration program is not considered sufficiently promising to justify Government participation. Under these circumstances, we regret to advise that your application for exploration aid is denied.

However, we note that your property contains lead, zinc and copper. Since our program includes exploration for these minerals, you may desire to have your application considered on the basis of exploration for these commodities. The Government participation to explore for lead, zinc and copper is 50% of the cost of the project.

Sincerely yours,

/s/ C. O. Mittendorf
Administrator

FLKnouse/gla 9/10/52
cc to: Adm. Reading File
Operating Committee
Docket
Meesrs. A. P. Butler, Jr. Room 3206, GSA
H.D.Keiser, Rm. 1347
Ellis
Knouse
Keller
DMEA Field Team, Region III (2)

MEMORANDUM:
TO: Mr. F.L. Knouse,
FROM: Base Metals Division
SUBJECT: LEAD,COPPER,ZINC,SILVER,GOLD mineralization at the Unanium prospect of the National Resources Developing Company, Mono County, California.

The assays for the base and precious metals mentioned above are arresting and on the basis of the values noted, should be brought to the attention of the field engineers, as indicative of a possible source of those metals. There is insufficient information at hand to evaluate the mineralization at this time.

F.X.Corbett.

9/4/52 gla

IN REPLY REFER TO:

G:TEPCO:APB

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

SEP 2 - 1952

Memorandum

To: Ernest Wm. Ellis, DMEA Member, Uranium Commodity Committee

From: A. P. Butler, Jr., USGS Member, Uranium Commodity Committee

Subject: DMEA Docket 2667 (Uranium) Natural Resources Developing Company, Los Gatos, California, Applicant, Whittaker No. 1 and Wild Bill Nos. 1 and 2 Claims, Mono County, California.

I have reviewed the application identified above, together with information in the Geological Survey files pertaining to this property and I have also discussed the application with Mr. H. D. Kaiser, Bureau of Mines, Member of the Commodity Committee, and with Mr. J. O. Hosted, Atomic Energy Commission. As noted by the applicant both the Geological Survey and the Atomic Energy Commission have examined the property. Three samples were taken by the examining geologist of each organization, or a total of six samples. The maximum uranium content shown by any of these samples is 0.078%. This amount of uranium is less than the minimum content in ore that the Atomic Energy Commission will purchase. The survey geologist concluded that the property probably has no potentialities for uranium production, but that the vein may contain marginal deposits of gold, silver, copper, lead and zinc ores. The Atomic Energy Commission geologist concluded that the thin oxidized radioactive seam exposed in the footwall of the gold-quartz vein does not contain enough uranium to be of further interest. They suggested further that if the property were explored for gold and lead values the ore should be systematically checked for radioactivity.

In view of the information already available from previous examinations I believe that the request for exploration assistance should be denied without further examination by a field team.

Copies of the Atomic Energy Commission and Survey reports from our files are attached for use in your office in replying to the applicant. Will you please return them as soon as they have served their purpose?

Arthur P. Butler, Jr.

Arthur P. Butler, Jr.

Attachments

Copy to: E. Wm. Ellis

IN REPLY REFER TO:

G:TEPCO:APB

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

SEP 2 - 1952

Memorandum

To: Ernest Wm. Ellis, DMEA Member, Uranium Commodity Committee

From: A. P. Butler, Jr., USGS Member, Uranium Commodity Committee

Subject: DMEA Docket 2667 (Uranium) Natural Resources Developing Company, Los Gatos, California, Applicant, Whittaker No. 1 and Wild Bill Nos. 1 and 2 Claims, Mono County, California.

I have reviewed the application identified above, together with information in the Geological Survey files pertaining to this property and I have also discussed the application with Mr. N. D. Kaiser, Bureau of Mines, Member of the Commodity Committee, and with Mr. J. O. Hosted, Atomic Energy Commission. As noted by the applicant both the Geological Survey and the Atomic Energy Commission have examined the property. Three samples were taken by the examining geologist of each organization, or a total of six samples. The maximum uranium content shown by any of these samples is 0.078%. This amount of uranium is less than the minimum content in ore that the Atomic Energy Commission will purchase. The survey geologist concluded that the property probably has no potentialities for uranium production but that the vein may contain marginal deposits of gold, silver, copper, lead and zinc ores. The Atomic Energy Commission geologist concluded that the thin oxidised radioactive seam exposed in the footwall of the gold-quartz vein does not contain enough uranium to be of further interest. They suggested further that if the property were explored for gold and lead values the ore should be systematically checked for radioactivity.

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Arthur P. Butler, Jr.

Attachments

Copy to: E. Wm. Ellis

U. S. DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

USGS-PRR D-293

TRACE ELEMENTS PRELIMINARY RECONNAISSANCE REPORT

DATE: July 3, 1951

EXAMINED BY: G. W. Walker & R. U. King V.S.G.S.

STATE: California

DATE EXAMINED: June 29, 1951

COUNTY: Mono

DISTRICT: Chidago

1. NAME OF PROPERTY: Wild Bill Group (Banner or Dog) SEC. 18 T. 3 S. R. 31 E.

2. DIRECTIONS TO PROPERTY: 1/2 mile west of Banner Spring, 8 miles S. of Benton.

3. OWNER ~~ADDRESS~~: Natural Resources Development Co.,
ADDRESS: 354 Village Lane, Los Gatos, California.

4. PUBLISHED REFERENCES: Tucker, W. B., and Sampson, R. J., Mines & Mineral Resources of Mono County, California State Mineralogist's Report, April 1940.

5. MINE WORKINGS: 1000 feet of drifts and x-cuts in 3 mines.

6. TYPE OF EXAMINATION: Radiometric and geologic.

7. RADIOACTIVE DEPOSIT: TYPE AND AGE: Massive quartz vein, probably Tertiary.
WALL ROCKS: Monzonite or diorite of Jurassic intrusive series.

ORE MINERALS, PRIMARY: Pyrite, chalcopyrite, gold (native), sphalerite.

ORE MINERALS, SECONDARY: Tenorite, chrysocolla, cerussite.

GANGUE MINERALS: Quartz, sericite, limonite, green and brown clay minerals.

ORE-GANGUE RELATIONSHIP: Primary minerals disseminated in quartz vein, secondary minerals coating fracture. Radioactive zones adjacent to fault.

ATTITUDE: Flat to 15°. SHAPE: Tabular
LENGTH (STRIKE OR OTHER): 1000 feet. WIDTH: 600 feet approximate. THICKNESS: 1 to 2 feet

8. COUNTER TYPE: Lucky Strike. BACKGROUND: .02 mr/hr (1 division on x 1 scale)

9. SAMPLE INFORMATION

SAMPLE NO.	TYPE	EU (PERCENT) OR C/M	CHEM. ASSAY (PERCENT)				LOCATION
F1268	Chip	.081	.065				North x-cut at turn from adit.
F1269	do.	.039	.070				North wall of drift from north x-cut.
F1270	Grab.	.070	.058				Grab sample from dump.
		Au	Ag	% Pb	% Cu	% Zn	
50956		oz/ton	oz/ton				
		1.96	0.28	16.50	2.43	1.98	
50957		Trace	0.64	0.96	0.32	0.52	
50958		1.28	0.92	20.19	3.25	1.02	

10. UNPUBLISHED REFERENCES: Preliminary Reconnaissance Report C-1, C-11-51, by E. E. Thurlow.

11. RESERVES, PRELIM. ~~OR PROB.~~ 10 SHORT TONS GRADE: .05 % U_3O_8 USGS CLASS: Inferred

12. POTENTIALITIES FOR PRODUCTION: Probably none for uranium, but the vein may contain marginal deposits of gold, silver, copper, lead, and zinc ores.

13. FLAGS FOR FUTURE WORK: none

14. PROOF OF OWNERSHIP RECEIVED: no

15. SUPPLEMENTAL REPORT TO FOLLOW? no

DISTRIBUTION:

Merritt	(1)	Thurlow	(1)	McKelvey	(1)
Mineral Deposits, Washington	(9)	Oster	(1)	Fischer	(1)
		G&P	(2)	Weissenborn	(1)
TEPCO -	(3)	Fuels	(1)	Cathcart	(1)
Hosted	(1)	Alaskan	(1)	Denson	(1)
Towle	(1)	Geophysics	(1)	Page	(1)

CARDED

F.E.Thaden

16 July, 1951

N. Y. FORM 68 (10-6-38)

OFFICIAL USE ONLY

PRELIMINARY RECONNAISSANCE REPORT

(Use a continuation sheet for additional information, if necessary)

C-1 6/11/51)

1. SAMPLE INFORMATION IN THE FIELD

Number	Type (chip, channel, grab, etc.)	Radioactivity (strong, moderate, weak)
F-1268	Chip	Weak
F-1269	Chip	Weak
F-1270	Grab(dump)	Weak

2. State: California

County: Mono

District: Chidago

Claim/Mine: Wild Bill Group

Nearest Town: Benton

Sec. 18 Twp. 3S. Range 31 E.

3. Owner of claim, mine or land: Natural Resources Developing Company

Address: 354 Village Lane, Los Gatos, Cal.

4. Previous Work (Maps, Reports, History of prospect, etc.)

General area covered in "Mines and Mineral Resources of Mono County", State Mineralogist's report XXXVI, April 1940, W. B. Tucker and R. J. Sampson

5. Type Geiger counter: Nuclear Mfg. Nuclear Inst. & Chem. Co. Model 2610A

Background on: 0.2 Scale: 140 C/M or dial reading of:

6. Description of Examination:

	TYPE OF MAPPING	
	Geologic	Radioactivity
Detail	X	X
Reconn.		
Surface		
Underground	X	X

Results:

About 2 tons of oxidized earthy material on dump exhibits moderate radioactivity. Appears to be mostly limonite and cerussite. Spotty radioactivity in thin oxidized seam in footwall of quartz vein in underground workings.

Other dumps and accessible workings in immediate vicinity examined with negative results.

7. Mineralogic Association:

High temperature quartz-gold vein with some pyrite, chalcopyrite and galena. Much of the vein matter is coated with a green mineral resembling pyromorphite that is usually accompanied by a waxy brown clay. Limonite, cerussite, chrysocolla and tenorite are also present in varying amounts and the radioactivity appears to be closely associated with cerussite and limonite and to a lesser extent with the green coating.

8. Geologic Environment:

Entirely within Jurassic granitic complex.

9. Type of Deposit:

Flat lying (15°) high temperature filling with some replacement. Essentially a gold-quartz vein.

10. Conclusions:

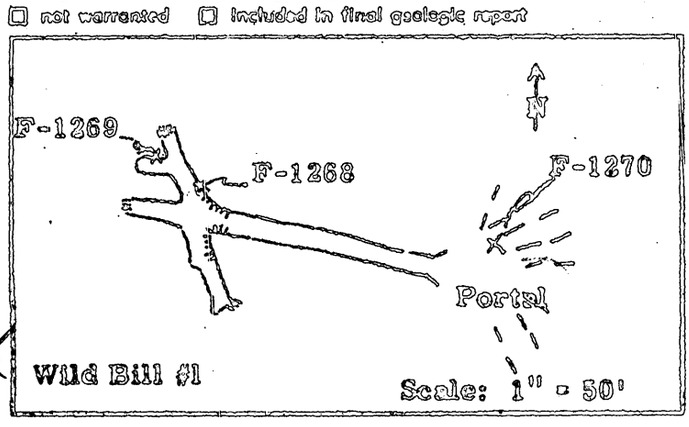
Radioactivity limited to 2" seam of oxidized material on footwall of 2' gray quartz vein. Seam is discontinuous and there is no evidence to indicate better expectations on strike or dip.

11. Recommendations:

No additional examination is warranted.

12. Geologic Sketch Map showing sample location:

☐ not warranted ☐ included in final geologic report



13. Examined by: E. E. Thurlow

Spokane Exploration Branch

14. Date(s) of examination: May 24, 1951

15. Has a proof of ownership form been distributed? Yes

16. Supplementary Report: ☒ to follow ☐ not necessary

Distribution:

1-P. L. Merritt(& 3 w/June rept) 1-T. W. Oster(w/rept) 1-J. O. Hosted(w/rept) 1-SEB files(& 1 w/June report)

1-C. C. Towle 1-CRMO(w/rept) 1-W. H. Bradley, USGS

1-L. R. Page, USGS 1-J. C. Johnson(w/rept) 1-A. E. Weissenborn, USGS

Cooled Norton 9/20/51

N. Y. FORM 44 (10-11-00)

OFFICIAL USE ONLY

SUPPLEMENT TO PRELIMINARY RECONNAISSANCE REPORT C-1 (7/26/51

(Use a continuation sheet for additional information, if necessary)

Note: Original report C-1 by E. E. Thurlow, Spokane Exploration Branch, dated June 11, 1951.

1. SAMPLE INFORMATION FROM THE LABORATORY

Number Ser.	Number Field	Assay (% U_3O_8) Radiometric	Assay (% U_3O_8) Chemical	Other Elements Chemical Au	Ag	Pb
50489	F-1268	0.097	0.078	1.22	2.98	12.51
50490	1269	0.047	0.044	0.84	1.06	8.03
50491	1270	0.084	0.070	0.60	0.90	12.32

2. State California
County Mono
District Chidago
Claim/Mine Wild Bill No. 1 claim
Nearest Town Benton
Sec. 18 Twp. 3 S. Range 31 E.

3. Owner of claim, mine, or land Natural Resources Developing Co.
Address 354 Village Lane
Los Gatos, California

4. Remarks (Mineral separation and identification; cause of radioactivity, etc.)

No further work has been done on the mineralogy. The uranium-bearing mineral has not been identified.

NOTED
AUG 6 1951
Assistant Chief Geologist

5. Conclusions

The thin highly oxidized radioactive seam exposed in the footwall of the gold-quartz vein does not contain enough uranium to be of further interest.

6. Recommendations

If the property is further explored for gold and lead values, the ores should be systematically checked for radioactivity.

7. Date of this report July 13, 1951

8. To follow:
- ☐ Additional supplementary report
- ☐ Memorandum report
- ☐ Bound report

9. This is final report ☒

Distribution:
Johnson-1
Merritt-4
Oster-1
Towle-2
MacPherson-1
Hosted-1
Nolan-1
Weissenborn-1
Bradley-1
Page-1
SEB-2

CARDED
R.E. Thaden
20 September, 1951

CARDED
R.E. Thaden
20 September, 1951

9/4/52 gla

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

August 29, 1952

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 2667, Natural Resources Developing Co., 534 Village Lane, Los Gatos, California

I have reviewed the application included in the subject docket; discussed the application with Arthur P. Butler, Geological Survey Member, and with Joseph O. Hosted, of the Atomic Energy Commission; and consulted reconnaissance reports on the property by G. W. Walker and R. V. King, geologists of the Geological Survey, and E. E. Thurlow, geologist of the Atomic Energy Commission.

Walker and King report that the property has probably no potentiality for uranium production; Thurlow states that the thin highly oxidized radioactive seam exposed in the footwall of the gold-quartz vein on the property does not contain enough uranium to be of further interest.

The recommendation is made that the subject application be denied, subject to the same recommendation being made by Mr. Butler, Geological Survey Member.

H D Keiser

H. D. Keiser

Enclosures 2

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

August 29, 1952

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H. D. Keiser

Enclosures 2

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

Office of
Executive Officer
DMEA Field Team
Region III

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

August 18, 1952

Memorandum

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

From: Executive Officer, DMEA Field Team, Region III

Subject: Application for DMEA loan, Natural Resources Developing Company, 354 Village Lane, Los Gatos, California

Attached are three copies of an application for a DMEA loan, received in this office on August 14. One copy of the application is being retained in this office in accordance with Operating Committee's Memorandum No. 2, dated 2/4/52.

The application was submitted by Mr. H. L. Whittaker, Secretary-Treasurer of the Company, who writes in his covering letter that the present application is "a return entry on one we put in for a year ago under Docket 775X."

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

Attachment

Copy to E. H. Bailey, USGS

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
AUG 22 1952

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

Office of
Executive Officer
DMEA Field Team
Region III

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

August 18, 1952

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H. C. MILLER

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

Attachment

Copy to E. H. Bailey, USGS

MF-103
(Revised April 1952)

3522

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

APPLICATION FOR AID IN AN EXPLORATION PROJECT, PURSUANT TO DMEA ORDER 1, UNDER THE DEFENSE PRODUCTION ACT OF 1950, AS AMENDED

Not to be filled in by applicant

Docket No. DMEA-2667-2704
Metal or Mineral
Date Received 8-22-52
Estimated Cost
Participation (Government %)

INSTRUCTIONS

1. *Name of applicant.*—(*a*) State here your full legal name, in the form in which you will wish to contract, and your mailing address: Natural Resources Developing Co., 354 Village Lane, Los Gatos, Calif. A Corporationof Nevada. Pres.: C.W.Styer; V.P.: LeRoy H. Halverson Secy-Treas.: H.L.Whittaker, all 354 Village Lane, Los Gatos, Calif.

(*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 Wild Bill Mining Claim No 1. Vol. 10 Page 413, Wild Bill Mining Claim No 2, Vol. 10 Page 413, Whittaker Mining Claim No 1, Vol. 10 Page 414, all in Mining Records, Recorder Mono Co. Calif. No claims patented.

(*b*) State any mine name by which the property is known. None official. Is next to old "Banner"

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

(*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 None

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

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.

16—66551-1

8 miles south of Benton

5. *The exploration project.*—(*a*) [redacted]te the mineral or minerals for which you wi[redacted]to explore Uranium (U308)
There is also lead silver and some gold in veins

(*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 7 days and be completed within 1½ months from the date of an exploration project contra since fall is arriving, completion will depend somewhat on weather

(*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 Aug 12, 1952

Natural Resources Developing Co
(Applicant)

By H. A. Whittaker
Sec'y-Treas

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

Turned down for U_3O_8

Addition to Form MF 103
(Natural Resources Developing Co)

Par 4. (a) There are three tunnels, 2 crosscuts, one shaft and a winze, none of them too extensive. The main tunnel is in about 60 ft. with two cross cuts at end of about 20 ft each exposing veins and a fault. Strike of vein is approx. N 40 West, dip approx 15 degrees southwest. No production facilities. Accessibility excellent. Can drive ordinary automobile to within quarter mile.

(b) Some production from workings many years ago. Amount not know but was small scale. No current production. Ore reserves unknown. This latter is what we want to find out.

(c) Geologic features. This has been examined by Mr. Thurlow of Atomic Energy Commission, and by engineers of the U.S Geological Survey. Mr. Thurlow is from the Spokane Washington office. His examination was made in July 1951. The survey by Geological eginers was made shortly after, probably early in August. We do not have a copy of their report but they stated that they were turning in a full geological report which would be in your files under Docket 775 X. Such report would be much more complete than any we could give here.

USGS Took 3 samples for analysis 16.5

Assays we have taken (Abbot A. Hanks of San Francisco) showed .35% and .37 in U 3 O 8. Other assays by Mr. Thurlow and U.S Geological Survey must be on file with Docket 775X. Ours were taken from the main vein and from the fault.

(d) Access to workings are : US Hiway #6 out of Bishop, Calif. and by county road (county maintained) to within a few hundred yards. A fair lane goes in for s short distance ending about a quarter mile from workings. Distance to a narrow guage RR is 32 miles. To Hanadium Co plant 52 miles. Supply would be from Bishop Calif. 38 miles. Residence will be in trailer at workings.

(e) Nearly all materials are on hand or are readily available at Bishop. Same for supplies. We have some equipment and contractor has rest. Water one mile from workings- a wind mill pump. Power will be portable gasoline engine.

Par. 5. (b) The proposed work is fairly simple, being in the form of a winze driven down the fault , beginning at a point about 56 ft inside Tunnel No 1. and just inside the right hand crosscut. The engineer we have working for us thinks we should go down about 60 ft., with a good chance of finding an ore body or good in indications any time after about 30 ft. This winze going down the fault would parallel and expose the main vein which goes down the fault.

(d) It is proposed to do the work by contract. Contractor has examined the proposed work at the site. The man in charge has had mining experience for about 19 years. His whole family back ground since he was born has been in mining in Montana , family operated mines. None of the officers of the Corporation have had technical mining experience.

Par 6. (a) It is intended to put out the whole job on contract. Under our proposed plan there would be three contracts, or two main contracts with the contractor making a sub contract for bulldozer work.

No 1 contract would be for a complete survey of the three claims by scintillometer. An engineering firm in Los Angeles does this work for $100 per day. In this case it would be a day in, a day out, two days for surveying and staking and a day for drawing the resultant plan. Total $500

No 2 contract would be the main contract for drilling the winze. We can get it done for $43 per foot, which at the maximum depth we intend to try of 60 feet would total $2580.

No 3 contract (or the contractor will make this as a part of his No 2, which we would prefer) would be for bulldozing about 3000 ft of approach road, a turn around and flattening off an area at the turnaround for a dump. Estimated cost on this would be $500. This includes the usual charge for bringing machine to site and removing, a distance of about 38 miles each way.

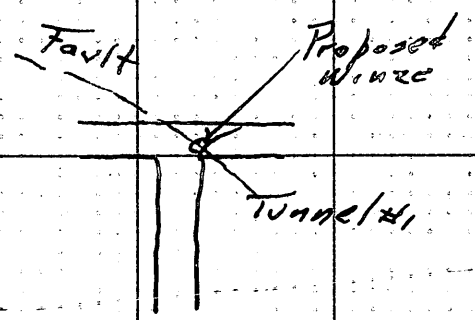
The total estimated cost, and the sum for which we are applying would be $3580 .

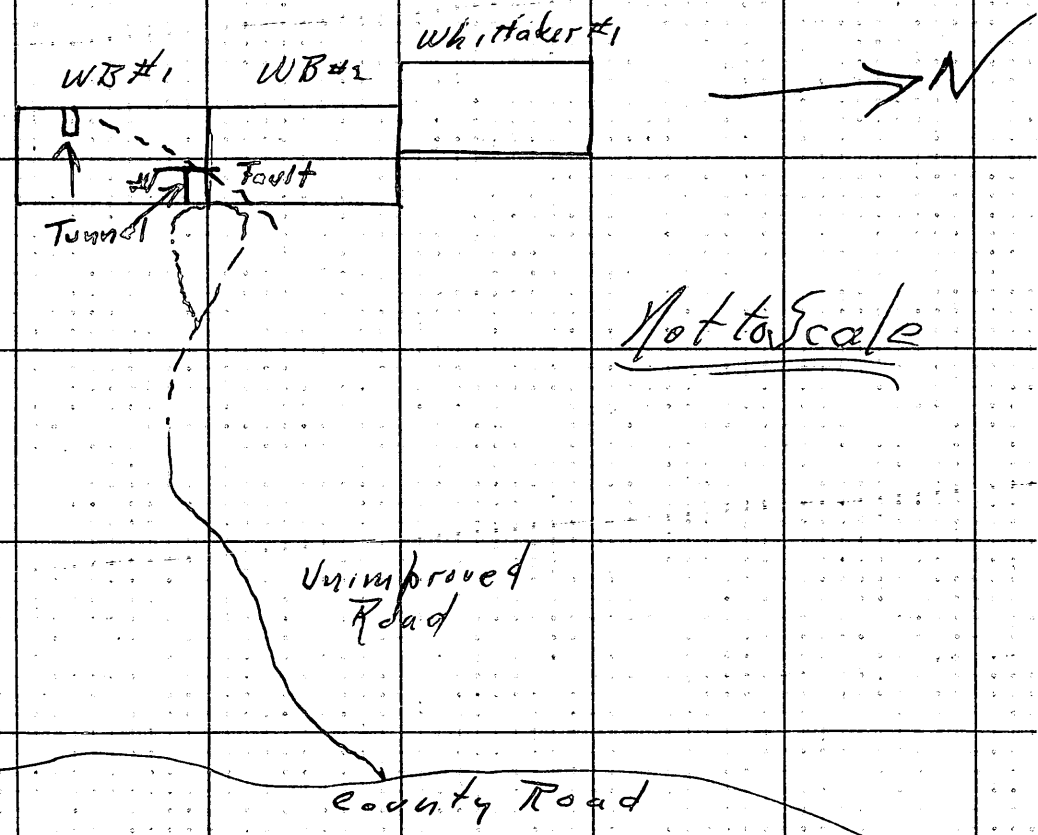
Since all work would be contract, detailed expenses as outlined in sub par. of this par. do not apply to us being covered by the contractor in his estimate of overall charge for the contract. We will have a clause in the contract allowing us to cut off on a footage basis if at any time we find anything of interest prior to reaching the maximum depth.

7. (a) We are prepared to furnish our share of above costs.

(b) The contractor wishes to use a truck and compressor belonging to the company. Theamortized value of these is greater than our share of the above total. If preferred we can furnish share in money.

Twp 3S
31E
Sec 18





Natural Resources Developing Co.
354 Village Lane
Los Gatos, Calif.

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

APPLICATION FOR AID IN AN EXPLORATION PROJECT, PURSUANT TO DMEA ORDER 1, UNDER THE DEFENSE PRODUCTION ACT OF 1950, AS AMENDED

Not to be filled in by applicant

Docket No. DMEA-2704
Metal or Mineral
Date Received 8-22-52
Estimated Cost
Participation (Government %)

INSTRUCTIONS

1. *Name of applicant.*—(*a*) State here your full legal name, in the form in which you will wish to contract, and your mailing address: Natural Resources Developing Co., 354 Village Lane Los Gatos, Calif. A Corporation of Nevada. Pres.: C.W.Styer ; V.P.: LeRoy H. Halverson; Secy-Treas.: H.L.Whittaker, all 354 Village Lane, Los Gatos, Calif.

(*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 Wild Bill Mining Claim No 1, Vol 10 Page 413; Wild Bill Mining Claim No 2, Vol 10 Page 413; Whittaker Mining Claim No 1, Vol 10 Page 414, all in Mining Records, Recorder Mono Co. Calif. No claims patented.

(*b*) State any mine name by which the property is known. None official. Is next to old "Banner"

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

(*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 None

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

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.

16—66551-1

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5. *The exploration project.*—(*a*) State the mineral or minerals for which you wish to explore uranium (U_3O_8)
There is also lead silver and some gold in veins

(*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 7 days and be completed within 1½ months from the date of an exploration project contract. Since fall is arriving, completion will depend somewhat on weather

(*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.

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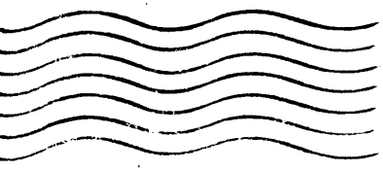
UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
1012 Flood Building
870 Market Street
San Francisco 2, Calif.

OFFICIAL BUSINESS

PENALTY FOR PRIVATE USE TO AVOID
PAYMENT OF POSTAGE, $300
(PMGC)

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

FIRST CLASS