CONTACT INFORMATION
Mining Records Curator
Arizona Geological Survey
3550 N. Central Ave, 2nd floor
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Shop No. 4009-15
File No. 1123 PI

Date 29 SEPT 1961

CHAS. A. DIEHL
(Registered No. 682)

Arizona Assay Office

Phone ALpine 3-4001

815 North First Street
Phoenix, Arizona
P. O. Box 1148

VALUES
Latest Quotation

1 oz. Gold
1 oz. Silver
1 lb. Copper
1 lb. Lead
1 lb. Zinc

THIS CERTIFIES
Samples submitted for assay contain as follows:

PINNACLE PEAK MINING CO
MR. HENRY KELLY

Short Ton ..... 2000 Lbs.
Short Ton Unit ..... 20 Lbs.
Long Ton ..... 2240 Lbs.
Long Ton Unit ..... 22.4 Lbs.

MARKS	SILVER PER TON Ozs.	SILVER PER TON Tenths	VALUE PER TON	GOLD PER TON Ozs.	GOLD PER TON 100ths	VALUE PER TON	TOTAL VALUE PER TON of Gold & Silver	PERCENTAGE % Copper				REMARKS
DIXIE "A"		.2	$.18	TRACE				0.03				
DIXIE "B"		.2	$.18	TRACE				0.03				
GOODWIN #2				TRACE				0.12				
GOODWIN #3				TRACE				0.29				
GOODWIN #4				TRACE				0.21				
GOODWIN #5				TRACE				0.14				
GOODWIN #6				TRACE				0.09				

Dixie Assays

Charges $ 33.50 Paid

Assayer Chas. A. Diehl
Chas. A. Diehl
Reg. No. 682

ANDY CHUKA, PRINT

Sample No.	Au	Ag	Cu	Gross # Value
D-100	Tr	0.2	0.095	
101	Tr	0.2	0.05	
102	0.01	0.5	0.15	← Dump-
103	Tr	0.3	0.05	
104	Tr	0.3	0.03	
105	Tr	0.3	0.03	
106	Tr	0.5	0.04	
107	0.38	15.0	0.72	

July 27 - 1958

blic, Phoenix, Arizona

Barite Strike Held Richest In Arizona

MARICOPA COUNTY

BARITE

Vulture Copper
Maricopa County

September 19, 1956

Mr. Gloyd M. Wiles, Manager
Mining Department
National Lead Company
111 Broadway
New York 6, N. Y.

Dear Gloyd:

RE: Copper Belt Claims
Vulture Mining District
Maricopa County, Arizona

On September 18, 1956, I examined portions of the 35 unpatented mining claims making up the so-called Copper Belt group in the Vulture mining district, a few miles southwest of Wickenburg, Arizona. This ground was drawn to my attention by Mr. Brower Dellinger.

Bedrock in this area is made up of Precambrian granite partly covered by young volcanic rocks. A few basic dikes cut the granite.

Copper mineralization occurs as veinlets and patches of chrysocolla in localized areas of the granite from a few feet to several hundred feet across and in some of the dikes. The granite itself shows little or no evidence of hydrothermal alteration that usually accompanies mineralization of the porphyry copper type; in other words, the mica and feldspar remain fresh, there is no silicification nor sericitization, and there is no iron staining from the oxidation of disseminated sulfides.

The copper silicate occurs here and there coating fractures of fresh granite a few inches or a few feet below the surface. It has obviously been transported into place by ground water and precipitated. At shallow depth this green copper will die out, giving way to barren granite. Although some of them are sizeable, the areas of copper silicate now exposed in shallow cuts and pits are of no commercial importance, and, as above stated, there is no promise at depth. In other words, there is a localized, erratic-near-surface enrichment.

There are a few quartz veinlets and wider fracture zones (1 to 3 feet in width) that carry green copper probably derived from sulfides formerly in these veinlets and zones, and from the larger fracture zones a few tons of hand-sorted ore have

been shipped. Copper of such origin may have entered the ground water to be distributed and form the shallow chrysocolla zones described above. Or the copper may have come from some lateral source hidden beneath the nearby volcanics.

In either case the search for commercial deposits of ore in this area appears unpromising, and I recommend that no further attention be given to it.

I was accompanied on my inspection by Mr. James L. McPherson, whom I gather is the claim owners' representative and possibly also one of the owners. I did not convey to him my opinion of the property, and he expects to hear National Lead's decision from Brower Dellinger or the New York office. I suggest that Dellinger write him and let him down gently as I have made arrangements to look over his uranium property in a week or ten days from now.

Yours very truly

E. N. Pennebaker

ENP:mc

cc - Mr. Brower Dellinger

NATIONAL LEAD COMPANY
111 Broadway
New York 6, N. Y.

GLOYD M. WILES
MANAGER, MINING DEPARTMENT

September 25, 1956

Mr. Brower Dellinger, Manager
National Lead Company, Inc.
Box 338
Monticello
Utah

Dear Truck:

Re: Copper Belt Claims
Vulture Mining District
Maricopa County, Arizona

It is noted that a copy of the Pennebaker letter of September 19 was forwarded to you for your information. He has suggested that you or we notify the owners that we would have no further interest in the property.

I believe it would be proper for you to carry out these instructions, since it was through you that the examination was arranged. We will take no further action in this regard.

With kindest personal regards, I am

Sincerely yours,

GMW:ACB

CC - Mr. E.N.Pennebaker

COPY

RECEIVED
SEP 27 1956
E. N. PENNEBAKER

National Lead Company, Inc.

MONTICELLO PLANT

MONTICELLO, UTAH
P. O. BOX 338

TELEPHONE
MONTICELLO 57

October 10, 1956

Mr. James L. McPherson
Wickenburgh, Arizona

Dear Mr. McPherson:

Please excuse my tardiness in thanking you for the kindness shown me by yourself and family while at Wickenburgh. I had been hoping we would have heard further from Mr. Anderson on the Uranium Aire Property as to its disposition. However, I guess I should not delay any further in my thank you note. I had the pleasure of seeing Bob while in New York and discussed with him the Antimony property he was considering in Nevada. Bob at that time was on his way to Washington for further information on the new Antimony purchase plant. We would certainly be interested in learning any follow-up that resulted.

I had a talk with Mr. E. N. Pennebaker our consulting geologist who tells me that he had a very enjoyable trip with you through your copper claims in the Vulture Mining District. They seem to have some promise but are not exactly the type of property National Lead would be interested in at this time. The mineralization does not appear to extend to depth which would not make the area economic for a big company. Perhaps future exploration and leasers could prove up more information.

Please give my regards to Mrs. McPherson and I'm looking forward to the pleasure of seeing you once again should I be in the area of Wickenburgh.

With kindest personal regards.

Very truly yours,

ORIGINAL SIGNED BY
Brower Dellinger

Brower Dellinger
Manager

BD/aj

cc: Mr. Gloyd M. Wiles
Mr. E. N. Pennybaker

October 15, 1956

Mr. Brower Dellinger
National Lead Company, Inc.
P.O. Box 338
Monticello, Utah

Dear Truck:

Many thanks for writing McPherson. I am leaving in a rush on a trip to Australia for Gloyd, accompanied by Dick Ellett, and so I won't be able to look at McPherson's uranium mine until sometime after my return in mid-November. It sounds like a pretty good prospect and I am sorry that I have to delay seeing it.

With kind personal regards,

Yours sincerely

E. N. Pennebaker

ENP:mc

October 15, 1956

Mr. James L. McPherson
P.O. Box 364
Wickenburg, Arizona

Dear Mr. McPherson:

I am leaving tomorrow on an unexpected trip to Australia for National Lead Company and must postpone visiting your uranium prospect until my return. I sincerely regret this delay as it sounds like a very interesting deposit.

I shall hope to see you shortly after my return in mid-November.

With kind regards,

Yours sincerely

E. N. Pennebaker

ENP:mc

PINNACLE
PEAK

PRODUCT DEVELOPMENT APPLIED RESEARCH

ARC LABORATORIES

Division of Arizona Research Consultants, Inc.

917 W. HATCHER RD. PHOENIX, ARIZONA WINDSOR 3-3573

FOR: Mr. E. N. Pennebaker
P. O. Box 817
Scottsdale, Arizona

DATE October 20, 1955

LAB No.

RESULTS

Ore Sample

Specific gravity 3.624

Respectfully submitted,

ARC Laboratories

George C. Olson

Charges : $ 4.00

As a mutual protection to clients, the public and this corporation, this report is submitted and accepted for the exclusive use of the client to whom it is addressed and upon the condition that it is not to be used, in whole or in part, in any advertising or publicity matter without prior written authorization from this corporation.

SMITH-EMERY COMPANY

ESTABLISHED 1910
CHEMISTS - ENGINEERS
METALLURGICAL AND TESTING ENGINEERS
781 EAST WASHINGTON BOULEVARD
LOS ANGELES 21
CALIFORNIA

LABORATORY

No. 406404 *Date* August 15, 1955

Sample Rock

Received 8/4/55 *Marked* "LuckyFind #2"

Submitted by Clifford C. Hites,
P. O. Box 354,
Scottsdale, Arizona.

REPORT OF QUALITATIVE SPECTROGRAPHIC EXAMINATION

Element	*Approximate Quantity*
Silicon, Aluminum	Major Constituents
Iron, Sodium, Calcium	Intermediate Constituents
	Minor Constituents
Titanium	0.5%
Potassium	0.5%
Magnesium	0.5%
Manganese	0.05%
Strontium	0.05%
Barium	0.05%
Zirconium	0.01%
Chromium	0.005%
Copper	0.005%
Vanadium	0.005%
Gallium	0.005%
Lead	0.005%
Boron	0.005%
Nickel	0.001%
Rare Earths	Trace
Tungsten	None found
Thorium	None found

Respectfully submitted,

Smith Emery Co

CHEMISTS AND ENGINEERS

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(See statements on reverse side regarding qualitative spectrographic examination)

SMITH-EMERY COMPANY

ESTABLISHED 1910
CHEMISTS - ENGINEERS
METALLURGICAL AND TESTING ENGINEERS
781 EAST WASHINGTON BOULEVARD
LOS ANGELES 21
CALIFORNIA

LABORATORY

No. 406403 *Date* August 15, 1955

Sample Rock

Received 8/4/55 *Marked* "Lucky Find #1"

Submitted by Clifford C. Hites,
P. O. Box 354,
Scottsdale, Arizona.

REPORT OF QUALITATIVE SPECTROGRAPHIC EXAMINATION

Element	*Approximate Quantity*
Silicon, Iron, Titanium	Major Constituents
Aluminum, Manganese	Intermediate Constituents
	Minor Constituents
Zirconium	0.5%
Calcium	0.5%
Columbium	0.1%
Magnesium	0.1%
Sodium	0.1%
Lead	0.05%
Barium	0.01%
Vanadium	0.005%
Copper	0.005%
Boron	0.005%
Tin	0.005%
Nickel	0.001%
Chromium	0.001%
Cobalt	Trace
Thorium	Present
Rare Earths	Present
Gallium	None found
Tungsten	None found
Tantalum	None found
Uranium	None found

NOTE:
This sample is somewhat radioactive but, there is not enough uranium or thorium to register on the spectrogram.

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(See statements on reverse side regarding qualitative spectrographic examination)

Smith-Emery Co

CHEMISTS AND ENGINEERS

COPY

SMIT[redacted]Y COMPANY

[redacted]ISHED 1910

CHEMISTS - ENGINEERS

METALLURGICAL AND TESTING ENGINEERS

781 EAST WASHINGTON BOULEVARD

LOS ANGELES 21

CALIFORNIA

LABORATORY

No. 406405 *Date* August 15, 1955

Sample Rock

Received 8/4/55 *Marked* "Gravel Girty #2"

Submitted by Clifford C. Hites,
P. O. Box 354,
Scottsdale, Arizona.

REPORT OF QUALITATIVE SPECTROGRAPHIC EXAMINATION

Element	*Approximate Quantity*
Silicon, Zinc, Iron	Major Constituents
Lead	Intermediate Constituents

Minor Constituents

Aluminum	0.5%
Copper	0.5%
Manganese	0.05%
Magnesium	0.01%
Titanium	0.01%
Barium	0.01%
Calcium	0.01%
Sodium	0.01%
Cadmium	0.01%
Antimony	0.005%
Boron	0.005%
Chromium	0.005%
Nickel	0.001%
Silver	Present
Gallium	None found
Tungsten	None found
Uranium	None found
Thorium	None found
Rare Earths	None found

Respectfully submitted

CHEMISTS AND ENGINEERS

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(See statements on reverse side regarding qualitative spectrographic examination)

MINERALS ENGINEERING CO.

ENGINEERS Meco ASSAYERS

1299 SUBWAY TERMINAL BLDG.
417 SOUTH HILL STREET
LOS ANGELES 13
MUTUAL 6793

September 12, 1955
Charges $12.00 Paid

Mr. Clifford C. Hites
Box 354
Scottsdale, Ariz.

SEMIQUANTITATIVE SPECTROGRAPHIC ANALYSIS:

27261 Lucky

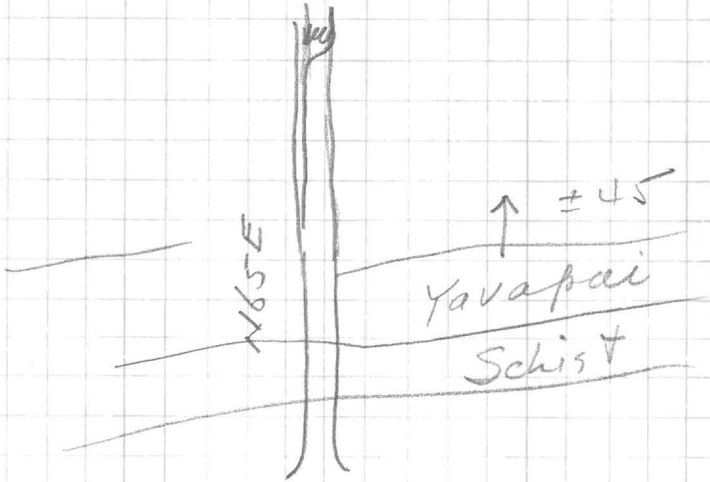
	Silicon-	25.0%
	Boron-	0.0074
	Manganese-	1.1
	Aluminum-	4.4
	Iron-	5.9
	Titanium-	0.33
	Magnesium-	0.12
	Lead-	0.22
	Calcium-	1.8
	Vanadium-	0.0084
	Copper-	0.0038
	Sodium-	0.19
	Zirconium-	0.082
	Chromium-	0.0015
	Uranium-	less than 0.20
x	Thorium-	0.96
x	Lanthanum-	1.9
x	Cerium-	2.2
x	Neodymium-	1.9
x	Dysprosium-	0.083
x	Yttrium-	0.13

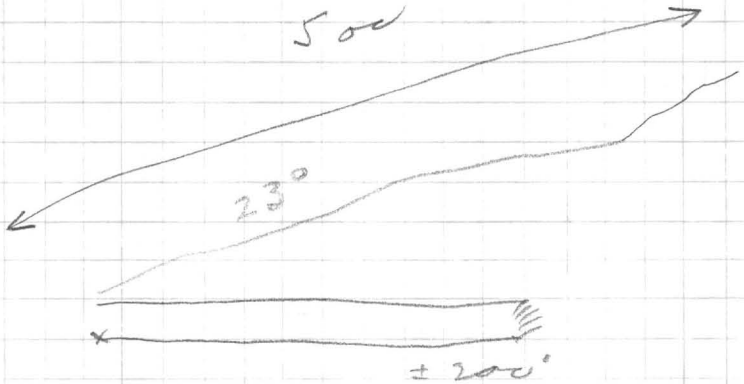
6%+

Dot

MINERALS ENGINEERING CO.

BY NW


N65E
±45
Yavapai
Schist

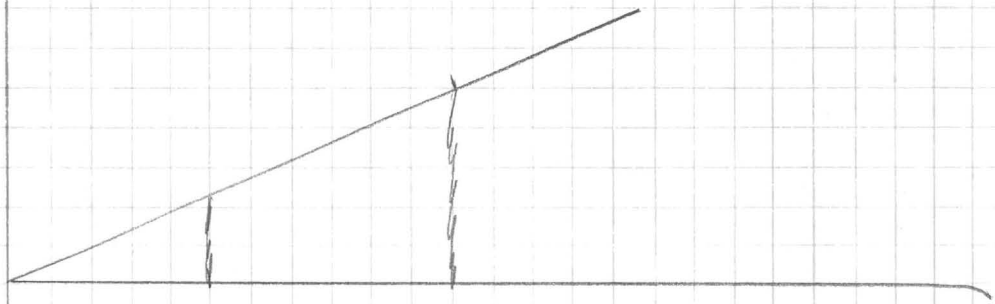


4000

2000

20

$$\frac{500 \times 200 \times .5}{12.5 \times 2}$$



$$\begin{array}{r} 35 \\ 2000 \\ \hline 70000 \end{array}$$

$$\frac{150 \times \overset{\overset{16}{\cancel{20}}}{\cancel{250}} \times .5}{\cancel{12.5}}$$

1500

Notes On Denver Group.

East (±10 mi) of Wickenburg -
Maricopa Co.

10 patented claims
Tunnel follows; Caved at ±20'
6"-12" Crushed zone along shear N65E
North side has discontinuous zone 0-6" thick
with SiO_2 and a little Cu (Cpy & malachite)

U_3O_8 in 4 known places:

1- Spot on N. wall near portal

4- At cave - Best - 6" thick

3- ± 10' back (W) of cave

2- ± 20' " " " "

Near cave small pieces of black ore
assay 0.5 to 0.7 U_3O_8

Wall of drift gives less kick than
freshly broken place - (Post mine
leaching?)

Assays better than scintillometer
indicates

Vein filling: crushed rk, qtz, pyrite cpy, pitchblende, x
carnotite spots

Conclusions:

Too thin & erratic

Not enough back for tonnage (would room need to sink)

Might change where vein cuts a different horizon of Yavapai Schist at depth, but too great a gamble.

Recommendes

Take some pops out of back where tent. gives a kick and find out if there actually is any improvement where no post-mine leaching.

CONSOLIDATED COPPERMINES CORPORATION

COPY

MEMORANDUM

FROM John Hope, Chief Geologist

CITY Kimberly, Nevada

TO C. I. Cook, General Manager

DATE March 18, 1946

SUBJECT Lewis Gold Prospect, Apache Junction, Arizona.

MARICOPA

Introduction:

On March 4th & 5th, 1946, Lester Kitch and I, accompanied by Mr. R.L.Gibson, briefly examined and sampled the Lewis Gold Prospect near Apache Junction, Arizona.

Location:

The prospect is located some seven miles northeast of Apache Junction, Arizona, on the Apache Trail, in a rolling valley that separates the Superstition Mountains and the Goldfield Mountains. The Apache Trail Highway is gravel surfaced but is well maintained.

Ownership:

A Mrs. Sina Lewis has covered the principal area of interest with six claims. A little to the south, she has located four more claims which surround her house. A Mr. Pierce of Apache Junction and Phoenix has located the remaining ground on the north end of the district. To the south, the area is owned by the Goldfields Mines.

Geology and Mineralization:

Briefly, the area is a granite pediment which is covered on its flanks by rhyolite porphyry, rhyolite breccia and conglomerate. These extrusives form the Goldfield and Superstition Mountains which surround the area.

The mineralization is limited to narrow erratic shear zones and probably represents the end point emanations of the granite. Where seen, the zones are all oxidized. What gold is present is contained in the narrow quartz stringers which evidently carried some pyrite; however, all the pyrite has now been oxidized to limonite and the resulting staining extends to considerable widths. Only the narrow (1" to 3") quartz stringers carry any appreciable values and it would be impossible to either mine or develop such minor structures.

Development:

Only a small amount of development work has been done and this is essentially limited to numerous location and assessment pits. Two shallow shafts were sunk on narrow quartz stringers with discouraging results. The only production from the north end of the district has come from a small placer.

Sampling:

During the course of our examination some 43 samples were cut. These samples were taken to check the possibility that a large tonnage of low grade material was available. No attempt was made to sample the narrow quartz stringers.

CONSOLIDATED COPPERMINES CORPORATION

COPY

MEMORANDUM

FROM

CITY

TO

DATE

SUBJECT

Lewis Gold Prospect, Apache Junction, Arizona.

The assays and the locations of the samples are listed below. Since the results were so poor, no map has been prepared showing the locations.

C.C.C. Sample No.	Location & Description	Oz. Au. per ton	Oz. Ag. per ton
3201	15' cut in Min. Zone	Trace	.02
2	20' " " " "	.010	.02
3	25' " " " "	.010	.030
4	West ½ of 50' cut	Trace	.02
5	East " " " "	Trace	.03
6	40' Cut in Wash	Trace	.02
7	Granite Ledge	.010	.02
8	12' Cut in Incline	.030	.26
9	28' " " Trench	.030	.12
10	" " "	.010	.04
11	Cut & Pit (Narrow qtz.st)	.040	.33
12	Trench & Shaft(qtz.Str.)	.060	.07
13	Shaft & X cut-N.End(qtz.str)	.330	1.62
14	Small Pit (Qtz.Str.)	.020	.06
15	Dump-25' Shaft	Trace	.03
16	5' Cut in 8' Pit-So.Side	"	.02
17	Same as 3216 No.Side	.010	.04
18	8' Tunnel-NE End of Prop.	.020	.07
19	Rest of Min. near 3218	.010	.05
20	Small Pit above 3218	Trace	.04
21	35' Cut on road	"	.03
22	Small Pit	"	.02
23	Reported Higrade-Pit	.010	.05
24	" " "	Trace	.04
25	16' Open Cut	"	.03
26	50' Cut across Qtz.Strs.	"	.01
27	" " " " "	"	Trace
28	Black Sand-Rept.Higrade	"	"
29	6' Cut in Trench-So.End	"	.01
30	30' " " Big Wash	"	.04
31	5' Zone in Cut and 30' Sh.	.05	.13
32	30' Cut in Big Wash	Trace	.02
33	12' " " Trench	"	Trace
34	8' Pit So. of 3233	.01	.04
35	50' Cut on Road Bank	Trace	Trace
36	Dump-20' Sh.-So.End	"	"
37	Small Pit - green qtz.	"	.02
38	20' Incl.Shaft Silic.Dk.	.02	.07
39	14" Dike-So.End of Prop.	.01	.07
40	8' Pit-East of 3236	.03	.16
41	Outcrop - So.End of Prop.	Trace	.02
42	Location Hole-So.End	"	.01
43	" " " "	"	Trace

CONSOLIDATED COPPERMINES CORPORATION

COPY

MEMORANDUM

FROM

CITY

TO

DATE

SUBJECT: Lewis Gold Prospect, Apache Junction, Arizona.

Summary:

It may be seen from the above listed assays, that the prospect deserves no further investigation.

JH/mc

John Hope