

1920 0011

CERTIFICATE

Galena Hill Mine
Washoe County, NV. 312

Bonded and authorized by NEW YORK PRODUCE EXCHANGE, AMERICAN BUREAU OF SHIPPING, U. S. TREASURY DEPARTMENT. . . . Members of American Wood Preservers Ass'n., American Council of Commercial Laboratories, American Ass'n. of Cereal Chemists, Assoc. of Consulting Chemists and Chemical Engineers, Inc., American Society for Testing Materials, Am. Inst. Mining & Metallurgical Engrs., Amer. Institute of Chemical Engineers, American Institute of Chemists, American Chemical Society, American Oil Chemists Society, National Safety Council, Institute of Food Technologists.



Item 11
LAUCKS LABORATORIES INC.
Established 1908

CHEMISTS • ASSAYERS • SPECTROGRAPHERS • METALLURGISTS • ENGINEERS • BACTERIOLOGISTS • SAMPLERS • INSPECTORS

1008 WESTERN AVE., SEATTLE 4, WASHINGTON

May 10, 1948

Report No. 102379

Mr. Jess Willard
Leland Parker Hotel
Minot, North Dakota

Dear Sir:

We hereby certify that we have made a quantitative spectrographic test and a fire assay of the sample of

ORE

submitted to us by you, and we have to report as follows:

Marked: "GALENA HILL #2"

	Estimated Quantities	
Silica (SiO ₂)	55.51%	
Lead	16.48%	\$57.50 per ton
Aluminum as Al ₂ O ₃	14.84%	
Iron as Fe ₂ O ₃	10.02%	
Calcium as CaO	1.94%	
Magnesium as MgO	0.86%	
Zinc	0.32%	

Trace Quantities of following:

Copper	Nickel	Titanium
Manganese	Strontium	Chromium
Arsenic		

		Value per Ton
Gold, Oz. Troy per Ton	0.01	.35
Silver, Oz. Troy per Ton	7.6	6.84
Total		\$7.19

Valuation:

Gold, \$35.00 per oz.

Silver, 90¢ per oz.

Respectfully submitted,

LAUCKS LABORATORIES, INC.

By

J.P. Wenz

FPO:bv



THIS REPORT IS SUBMITTED FOR THE EXCLUSIVE USE OF THE PERSON, PARTNERSHIP, OR CORPORATION TO WHOM IT IS ADDRESSED. AND NEITHER THE REPORT NOR THE NAME OF THESE LABORATORIES, NOR OF ANY MEMBERS OF ITS STAFF, MAY BE USED IN CONNECTION WITH THE ADVERTISING OR SALE OF ANY PRODUCT OR PROCESS WITHOUT WRITTEN AUTHORIZATION. THIS COMPANY ACCEPTS NO RESPONSIBILITY EXCEPT FOR THE DUE PERFORMANCE OF INSPECTION AND/OR ANALYSIS IN GOOD FAITH AND ACCORDING TO THE RULES OF THE TRADE AND OF SCIENCE.

LAUCK'S LABORATORIES INC.

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Trace Quantities of following:

Copper	Nickel	Titanium
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		<u>Value per Ton</u>
Gold, Oz. Troy per Ton ----	0.01	.35
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J. BENJ. PARKER

NEVADA MINERAL LABORATORIES

1118 E. 4th ST. P. O. Box 387 PHONE RENO 21001

RENO, NEVADA

ASSAY CERTIFICATE

M Constzant and Willard

24 March 48

WE HAVE ASSAYED YOUR SAMPLES AND FIND CONTAINS: (PER TON OF 2000 LBS.)

No.	Mark	Gold	Value	Silver	Lead	Copper	Mercury	Zinc	WO,	Lime	P
		Ozs.per Ton	Gold	OzsPer Ton	PerCent	Percent	Lbs.	Percent	Percent	Ca	CD
					Wet		Per Ton				

1	.04	\$1.40	34	\$41.37
---	-----	--------	----	---------

$$\begin{array}{r} 840 \text{ lbs.} \\ 15 \\ \hline 4200 \\ 840 \\ \hline \$126.00 \\ 30.60 \\ 1.40 \\ \hline \$158.00 \text{ per ton} \end{array}$$

Remarks:

Charges: \$ Paid

JOHN H. UHALDE

COPY

ASSAY

CERTIFICATE

Formerly: C.A. JOHNSON

H. R. (Brandy) BRANDENBURG

ASSAYER and CHEMIST

1½ N. VIRGINIA STREET

RENO, NEVADA

P. O. BOX 339

PHONE 2-1323

RENO, NEVADA, March 30, 1948 19

The samples assayed for Messrs. Constant & Willard. Reno, Nevada.

gave following results per ton of 2000 lbs.

DESCRIPTION	GOLD OZ. PER TON	VALUE PER TON	SILVER OZ. PER TON	VALUE PER TON	PERCENTAGE OF <u>LEAD</u>	VALUE PER TON	TOTAL VAL PER TON
Sample No-- 1	.04	1.40	7.60	6.84	16.9	50.70	58.94
" 2	.03	1.05	.70	.63	0.2	.60	2.28
" 3	.02	.70	2.10	1.89			2.59
" 4	.04	1.40	6.50	5.85	12.4	37.20	44.45

1--Pb Ore Vein
2-- hard dark Country rock
3--greenish-country rock
4--main average Vein

Gold at 35.- per oz. Copper at

Silver at .90 per oz. Lead at 15%

H. R. BRANDENBURG.

ASSAYER

Charges, \$ 9.00--Paid

LABORATORY REPORT

SMITH-EMERY COMPANY

ESTABLISHED 1910

CHEMISTS-ENGINEERS

781 EAST WASHINGTON BOULEVARD

LOS ANGELES 21, CALIFORNIA

ALL REPORTS ARE SUBMITTED AS THE CONFIDENTIAL PROPERTY OF CLIENTS. AUTHORIZATION FOR PUBLICATION OF OUR REPORTS, CONCLUSIONS, OR EXTRACTS FROM OR REGARDING THEM IS RESERVED PENDING OUR WRITTEN APPROVAL AS A MUTUAL PROTECTION OF CLIENTS, THE PUBLIC AND OURSELVES.

LABORATORY

No. 413616

Date January 23, 1956

Sample Pulp

Received 1/12/56

 Marked Stable Concentrates
Galena Hill

 Submitted by Constant Minerals Separation Process, Inc.,
P. O. Box 1607,
Reno, Nevada.

Attn.: Maurice Constant

REPORT OF TESTS

Gold (Au), ounces per ton ----- 0.02 oz.
Value at \$35.00 per ounce ----- \$0.70 per ton

Silver (Ag), ounces per ton ----- 7.32 oz.
Value at \$0.905 per ounce ----- \$6.62 per ton

Lead (Pb) ----- 60.04%

Tungsten trioxide (WO₃) ----- 0.11%
Cobalt (Co) ----- trace (less than 0.01%)

Respectfully submitted,



J. BENJ. PARKER

JOHN H. UHALDE

NEVADA MINERAL LABORATORIES

336 MORRILL P. O. BOX 387 PHONE RENO 21001
RENO, NEVADA

ASSAY CERTIFICATE

M Constant and Willard

27 Sept. 1949

WE HAVE ASSAYED YOUR SAMPLES AND FIND CONTAINS: (PER TON OF 2000 LBS.)

NO.	MARK	GOLD Ozs. per Ton	VALUE GOLD	SILVER Ozs. per Ton	LEAD Per Cent Wet	COPPER Per Cent	MERCURY Lbs. Per Ton	ZINC Per Cent	WO, Per Cent	LIME CaO	Per Cent
1		trace		0.4	1.7						
2		trace		0.6	1.5						

Remarks:

Charges: \$ 6.00

Horace F. Hansen

Bonded and authorized by UNITED STATES
TREASURY DEPARTMENT, NEW YORK PRODUCE
EXCHANGE.....

LAUKS LABORATORIES, INC.
Established 1908

CHEMISTS .. TOXICOLOGISTS .. BACTERIOLOGISTS .. ASSAYERS .. SPECTROGRAPHERS ..
METALLURGISTS .. ENGINEERS .. SAMPLERS .. INSPECTORS.
1006 WESTERN AVE., SEATTLE 4, WASHINGTON 108727
CERTIFICATE April 8, 1950

WE HEREBY CERTIFY THAT WE HAVE ASSAYED THE SAMPLES SUBMITTED TO US BY

CONSTANT WILLARD
SEATTLE, WASHINGTON

AND THAT THEY CONTAINED THE FOLLOWING PER TON OF 2,000 POUNDS:

ORE SAMPLE MARKED	GOLD		SILVER		LEAD		ZINC		TOTAL
	OZ. TROY PER TON	VALUE PER TON	OZ TROY PER TON	VALUE PERTON	PER VALUE CENT PERTON	PER CENT PERTON	PER CENT	VALUE PERTON	VALUE PER TON
	0.08	\$2.80	32.1	\$28.89	47.73	\$143.19	1.35	\$2.70	\$177.58

Gold \$35 Valuation 15
per oz. Zinc 1-cts. per lb.

Silver 90 cts. per oz. Copper 10 Cts. Per lb.

For further information regarding these samples
refer to same by certificate number.

Respectfully submitted.

LAUKS LABORATORIES, INC.

By F.P. OWENS

CONSTANT MINERALS SEPARATION PROCESS, INC.

ABBOT A. HANKS, INC.
CHEMISTS, ASSAYERS, METALLURGISTS

Supervision of Ore Shipments at Smelters
624 Sacramento Street
San Francisco, Cal.
November 1, 1950

B. J. Constant
Box 1607
Reno, Nevada

Dear Sir:

At your request we have supervised the sampling and weighing of a Lot of Ore at Selby Smelter and wish to submit the following report:

WEIGHTS

Received October 12, 1950

Car No. Truck bulk sacks, weighing Gross,

Smelter's Lot No. 4848 Tare, _____

Our Laboratory No. 23749-50 Net, 6290

ASSAYS

GOLD, per ton 2,000 lbs. ....	.025	.025	oz. Troy
SILVER, per ton 2,000 lbs.	11.80	11.84	oz. Troy
COPPER, wet			%
LEAD, wet	34.25	34.17	%
MOISTURE	4.1		%

Average Assays Hanks	Gold	.025	Silver	11.82	Lead	34.21
" " Smelter	"	.01	"	11.55	"	33.55

ABBOT A. HANKS, INC.

Original Signed by
BY _____ JNO. L. MARTEL _____

ABBOTT-HANKS, INC.

Supervision of the Smelting and Refining

674 Standard Smelter

at Trail, B.C.

June 16, 1952

Canadian Mineral Separation Company

Trail, B.C.

Trail, B.C.

At your request we have supervised the sampling and weighing of a lot of ore at said smelter and wish to submit the following report:

WEIGHTS

Received May 23-31, 1952

Car No. Truck Bill, weighing Gross

Smelter's Lot No. 7503

Tare

Our Laboratory No. 42664-6

Net 33480

ASSAYS

GOLD, per ton 2,000 lbs.	.003	.003	oz. Troy
SILVER, per ton 2,000 lbs.	2.83	2.93	oz. Troy
COPELER, wet			%
LEAD, wet	6.33	6.83	%
MOISTURE			1.41 %

Average Assays Hanks	Gold	.003	Silver	2.88	Lead	6.83
" " Smelter	"	Nil	"	2.65	"	6.20

ABBOTT-HANKS, INC.

Trail, B.C.

ABBOT A. HANKS, INC.
CHEMISTS, ASSAYERS, METALLURGISTS

Supervision of Ore Shipments at Smelters

624 Sacramento Street

San Francisco, Cal.

March 2, 1953

B. J. Constant
Box 1607
Reno, Nevada

Dear Sir:

At your request we have supervised the weighing and
sampling of a Lot of Ore at Selby Smelter,
and wish to submit the following report:

WEIGHTS

Received January 31, 1953

Car No. Truck Bulk
sacks, weighing Gross,

Smelter's Lot No. 8598 Tare, _____

Our Laboratory No. 52738-9 Net, 12590

ASSAYS

	ORIGINAL	DUPLICATE	
GOLD, per ton 2,000 lbs. ....	.03	.03	oz. Troy
SILVER, per ton 2,000 lbs.	7.60	7.54	oz. Troy
COPPER, wet			%
LEAD, wet	32.65	32.65	%
MOISTURE			13.43%

	<u>GOLD</u>	<u>SILVER</u>	<u>LEAD</u>
Average Assays Hanks	.03	7.67	32.65
" " Smelter	.02	7.25	32.20

ABBOT A. HANKS, INC.

bob

By _____

ABBOTT & HOTS A. HANKS, INC.

CHEMISTS, ASSAYERS, METALLURGISTS

Supervision of Ore Shipments at Smelters

624 Sacramento Street

San Francisco, Calif.

April 16, 1956

Constant Minerals Separation Process, Inc.

P. O. Box 1607

Reno, Nevada

Attention: Maurice Constant, President

Gentlemen:

*Moisture Sample #17.56
Average Moisture #17.56
a ton*

At your request we have supervised the weighing and sampling of a lot of ore at Selby Smelter,

and wish to submit the following report:

WEIGHTS

	WEIGHTS	MOISTURE
	35,590 lbs.	5.33%
	36,380 lbs.	5.97%
	37,570 lbs.	7.67%
	112,470 lbs.	

Received 4-5-56

bulk

Case No. 100-100

weighing Gross 201,590 lbs.

Smelter's Lot No. 5252

Tare 89,120 lbs.

Our Laboratory No. 9696-45

Net 112,470 lbs.

ASSAYS

	ORIGINAL	DUPLICATE	
GOLD per ton 2,000 lbs.	Trace	Trace	oz. Troy
SILVER per ton 2,000 lbs.	1.37	1.43	oz. Troy
COPPER per ton			%
IRON per ton	3.86	3.86	%
MOISTURE			%

See Above

	COPPER	SILVER	GOLD	
100% Assay	1.40	1.40	1.40	12.75
100% Assay	1.40	1.40	1.40	12.75

ABBOTT & HOTS A. HANKS, INC.

10136

ABBOT A. HANKS, INC.
CHEMISTS, ASSAYERS, METALLURGISTS

Supervision of Ore Shipments at Smelters

624 Sacramento Street

San Francisco, Cal.

November 1, 1950

B. J. Constant
Box 1607
Reno, Nevada

Dear Sir:

At your request we have supervised the sampling and
weighing of a Lot of Ore at Selby Smelter
and wish to submit the following report:

WEIGHTS

Received October 12, 1950

Car No. Truck bulk sacks, weighing Gross,

Smelter's Lot No. 4848

Tare, _____

Our Laboratory No. 23749-50

Net, 6290

ASSAYS

GOLD, per ton 2,000 lbs. ....	.025	.025	oz. Troy
SILVER, per ton 2,000 lbs.	11.80	11.84	oz. Troy
COPPER, wet			%
LEAD, wet	34.25	34.17	%
MOISTURE	4.1		%

Average Assays Hanks	Gold	.025	Silver	11.82	Lead	34.21
" " Smelter	"	.01	"	11.55	"	33.55

ABBOT A. HANKS, INC.

BY _____

Jno. Y. Martel

(ABBOT A. HANKS, INC.)
CHEMISTS, ASSAYERS, METALLURGISTS

Supervision of Ore Shipments at Smelters

624 Sacramento Street

San Francisco, Cal.

March 2, 1953

B. J. Constant
Box 1607
Reno, Nevada

Dear Sir:

At your request we have supervised the weighing and
sampling of a Lot of Ore at Selby Smelter,
and wish to submit the following report:

WEIGHTS

Received January 31, 1953

~~Car~~-No. Truck Bulk
~~sacks~~, weighing Gross,

Smelter's Lot No. 8598 Tare, _____

Our Laboratory No. 52738-9 Net, 12590

ASSAYS

	ORIGINAL	DUPLICATE	
GOLD, per ton 2,000 lbs. ....	.03	.03	oz. Troy
SILVER, per ton 2,000 lbs.	7.60	7.54	oz. Troy
COPPER, wet			%
LEAD, wet	32.65	32.65	%
MOISTURE			13.43 %

	<u>GOLD</u>	<u>SILVER</u>	<u>LEAD</u>
Average Assays Hanks	.03	7.67	32.65
" " Smelter	.02	7.25	32.20

ABBOT A. HANKS, INC.

By _____

bob

ABBOT A. HANKS, INC
CHEMISTS, ASSAYERS, METALLURGISTS

Supervision of Ore Shipments at Smelters

624 Sacramento Street

San Francisco, Cal.

November 17, 1954

B. J. Constant
Box 1607
Reno, Nevada

Dear Sir:

At your request we have supervised the weighing and
sampling of a Lot of Ore at Selby Smelter,
and wish to submit the following report:

WEIGHTS

Received 10-22-54

Can No. Truck Bulk
sacks, weighing Gross, 56,760 Lbs.
Smelter's Lot No. 2694 Tare, 31,220 Lbs.
Our Laboratory No. 75285-6 Net, 25,540 Lbs.

ASSAYS

	ORIGINAL	DUPLICATE	
GOLD, per ton 2,000 lbs.	.01	.01	oz. Troy
SILVER, per ton 2,000 lbs.	5.96	5.02	oz. Troy
COPPER, wet			%
LEAD, wet	15.47	15.57	%
MOISTURE		5.4	%

	<u>GOLD</u>	<u>SILVER</u>	<u>LEAD</u>
Average Assays Hanks	.01	5.99	15.52
" " Smelter	.01	5.80	15.20

bob

ABBOT A. HANKS, INC.

BY

Jno. L. Mantel

ABBOT A. HANKS, INC.
CHEMISTS, ASSAYERS, METALLURGISTS

Supervision of Ore Shipments at Smelters

624 Sacramento Street

San Francisco, Cal.

December 2, 1954

B. J. Constant
Box 1607
Reno, Nevada

Dear Sir:

At your request we have supervised the weighing and
sampling of a Lot of Ore (Lot #2) at Selby Smelter,
and wish to submit the following report:

WEIGHTS

Received 11-13-54

Car No. Truck	Bulk sacks, weighing Gross, 51,810 lbs.
Smelter's Lot No. 2783	Tare, 31,290 lbs.
Our Laboratory No. 75778-9	Net, 20,520 lbs.

ASSAYS

	ORIGINAL	DUPLICATE	
GOLD, per ton 2,000 lbs.	.025	.025	oz. Troy
SILVER, per ton 2,000 lbs.	9.40	9.20	oz. Troy
COPPER, wet			%
LEAD, wet	23.71	23.51	%
MOISTURE			%
		2.03	%

	<u>GOLD</u>	<u>SILVER</u>	<u>LEAD</u>
Average Assays Hanks	.025	9.30	23.61
" " Smelter	.01	9.30	23.00

bob

ABBOT A. HANKS, INC.

BY *Geo. L. Martel*

(ABBOT A. HANKS, INC.
CHEMISTS, ASSAYERS, METALLURGISTS

Supervision of Ore Shipments at Smelters

624 Sacramento Street

San Francisco, Cal.

April 22, 1955

B. J. Constant
Box 1607
Reno, Nevada

Dear Sir:

At your request we have supervised the weighing and
sampling of a Lot of Ore at Selby Smelter,
and wish to submit the following report:

WEIGHTS

Received 4-13-55

Car No. Truck Bulk
sacks, weighing Gross, 35410 Lbs.

Smelter's Lot No. 3584 Tare, 16690 Lbs.

Our Laboratory No. 81751-52 Net, 18720 Lbs.

ASSAYS

	ORIGINAL	DUPLICATE	
GOLD, per ton 2,000 lbs. ....	.02	.02	oz. Troy
SILVER, per ton 2,000 lbs.	6.29	6.29	oz. Troy
COPPER, wet.			%
LEAD, wet.	16.68	16.58	%
MOISTURE.			%
		6.00	%

	<u>GOLD</u>	<u>SILVER</u>	<u>LEAD</u>
Average Assays Hanks	.02	6.29	16.63
" " Smelter	.01	6.10	16.40

cc: American Smelting & Refining Company

bob

ABBOT A. HANKS, INC.

BY

Charles J. Taylor