



## **CONTACT INFORMATION**

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08/21/87

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES FILE DATA

PRIMARY NAME: STARLIGHT VEIN

ALTERNATE NAMES:

PATENTED CLAIM MS 4459  
VINDICATOR  
WESTERNER GOLD-LEAD MINES  
ALMAGAMATED GOLD-LEAD MINES  
AMERICAN FLAG VEIN  
STARLIGHT GALINA CLAIMS

YAVAPAI COUNTY MILS NUMBER: 1121

LOCATION: TOWNSHIP 12 N RANGE 1 W SECTION 7 QUARTER NW  
LATITUDE: N 34DEG 24MIN 12SEC LONGITUDE: W 112DEG 24MIN 32SEC  
TOPO MAP NAME: GROOM CREEK - 7.5 MIN

CURRENT STATUS: PAST PRODUCER

COMMODITY:

LEAD  
ZINC  
SILVER

BIBLIOGRAPHY:

USGS GROOM CREEK QUAD  
BLM MINING DISTRICT SHHET 241  
ADMMR VINDICATOR MINE FILE  
LINDGRE, W. ORE DEPTS JEROME & BRADSHAW MTN  
QUADS USGS BULL 781 1926 P 123  
WILSON, E.E. ETAL. AZ LODE GOLD MINES AZBM  
BULL 137 1967 P 48  
BLM MINING CLAIMS FILES 15367-15368

VINDICATOR MINE

Hassayampa Dist.  
Yavapai County

See: WESTERNER GOLD LEAD MINES (file) & (RFC file)

See: VENEZIA MINES (file)

See: U.S.G.S. Bulletin # 782 p p 124-25, 45

See: A.B.M. BULL. #140 p. 101

NAME OF MINE: STARLIGHT

COUNTY: YAVAPAI

DISTRICT:

METALS: PB

OPERATOR AND ADDRESS:

DATE: MINE STATUS

5/1/44

QUIGLEY AND JOHNSON, Prescott

DATE:

5/1/44  
7/44

Shipping  
Shut down

STARLIGHT VEIN

YAVAPAI COUNTY

NJN WR 7/24/87: Tom Schmitt, Client Realty, 117 S. Cortez, Prescott, Arizona 86301, 778-3400, 778-2136 reported that Mr. Karmic has died, leaving 14 claims including the Venezia Group (file) and Starlight Vein (file) Yavapai County. Mr. Schmitt was looking for journals to advertise the proeptries for sale. We have received reports on all of the properties for our files.

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October 9, 1942

MEMORANDUM

WESTERNER LEAD GOLD MINE

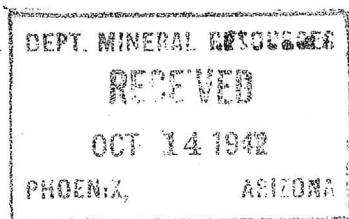
TO: A. C. Nebeker  
FROM: Earl F. Hastings

We have received two applications for Class "C" loans on the Westerner Lead Gold Mines. One application by Mrs. Roma Tomlinson, c/o Goodwin Star Route, Prescott, covering the Westerner itself; and one by another Mrs. Tomlinson covering the Vindicator. We believe that these are adjoining claims and were separated for the purpose of obtaining two distinct loans.

Mrs. Tomlinson's original application on the Westerner Lead Gold Mine did not indicate that the workings were inaccessible and the nature of expenditures as outlined by her were to accomplish 500 feet of tunnel work. No tunnel repairs being mentioned. On the basis of the original application we referred her application back to the RFC for consideration as a "B" loan. Later correspondence reveals that the tunnel is inaccessible and cannot be checked.

We therefore will have to go back and ask for another reclassification back to the "C" loan. We would appreciate it if you would visit the Westerner and Vindicator groups and give us your reaction so that we may better evaluate the property.

MEMO.



Oct. 13th, 1942.

Westerner Lead Gold Mine  
Vindicator Mine

Venezia, Ariz.

To E. F. Hastings

From A. C. Nebeker

I went out to see the Tomlinson's mines the Westerner and the Vindicator.

I found the whole property pasted with signs, No Trespassing, Private property, and This material has been turned over to the R. F. C. etc.

There was no signs of life anywhere around. It looks to me that the owners have moved away for the winter.

If those ladies are wanting to go ahead with the loans, they should arrange to have somebody to show the property they want to work. Those hills are full of workings and a man would not know which one is the property to be worked.

October 14, 1942

Mrs. Roma Tomlinson  
% Groom Creek Stage Route  
Prescott, Arizona

Subject: Westerner Lead Gold Mine  
• Vindicator Mine

Dear Mrs. Tomlinson:

Mr. A. C. Nebeker visited your property a few days ago but could locate no one there to show him over the premises and indicate the areas on which you intended to work.

If you will contact Mr. Nebeker at Box 1175, Prescott and arrange a mutually satisfactory time I believe he will be able to revisit the property.

Yours very truly

Earl F. Hastings  
Assistant Director  
And Projects Engineer

EFH:BA

(See R.F.C. file)

DEPARTMENT OF MINERAL RESOURCES  
STATE OF ARIZONA  
FIELD ENGINEERS REPORT

Mine VINDICATOR, Pb., Zn. Date December 8, 1942  
District Hassayampa Engineer Earl F. Hastings  
Subject: Reconstruction Finance Corporation  
Preliminary Development Loan

Docket No. C-ND -Phx. 61  
Date Application Received October 5, 1942  
Date of Report December 8, 1942

1. Name and address of applicant (correspondent):  
America R. Tomlinson, Hotel Vendome, Prescott, Arizona.
2. Character of project and estimated cost thereof:  
Pb., Zn. Reopen and unwater lower tunnels on Starlight Vein to make accessible reported ore shoot.
3. Location of property:  
Hassayampa Mining District, Prescott, Arizona.
4. Applicant's interest in or ownership of property:  
Applicant is owner by location.
5. Loan requested:  
\$5000.00.
6. Loan recommended:  
None.
7. Comments:  
(A) The Vindicator and Confidence claims were originally a part of the Westerner Gold-Lead Mines. Application under Docket C-ND-Phx. 35 by Mrs. Roma Tomlinson has previously been made which covers the most favorable area for current examination. Pending information disclosed by such examination, if made, this loan should not be acted upon. If reports on the Westerner are authenticated following making accessible the workings, this docket would then warrant reconsideration.

ARIZONA DEPARTMENT OF MINERAL RESOURCES

Earl F. Hastings  
Assistant Director and  
Projects Engineer



# Wallaby Enterprises Inc. Mineral Industry Consultants

G

**TUCSON OFFICE:**

810 West Grant Rd.

Tucson, Arizona 85705

(602) 623-0578

**PRESCOTT OFFICE:**

1555 Iron Springs Rd., Suite 39

Prescott, Arizona 86301

(602) 445-9354

REPORT OF INVESTIGATIONS  
AT THE STARLIGHT-AMERICAN FLAG CLAIM GROUP  
HASSAYAMPA MINING DISTRICT  
YAVAPAI COUNTY, ARIZONA

BY:  
Richard J. Lundin  
President,  
Wallaby Enterprises Inc.  
& Mineral Exploration  
Consultant

November 1, 1986

## INTRODUCTION

At the request of Mr. Joe Ward, acting on behalf of Mrs. Jessie Carmack of 1607 Sherwood Drive, Prescott, Arizona; Wallaby Enterprises Inc. has assembled all known and available data pertaining to the Starlight-American Flag claim group. In addition, Richard J. Lundin, President of Wallaby and a Mineral Exploration Consultant, thoroughly examined the accessible underground workings and surface exposures of the Starlight-American Flag claim group area. Reconnaissance geochemical samples were taken from both the underground workings and the surface exposures and analysed for their precious metal content. (For the assay results, see Appendix A and Figures 1-2) The results of this work are presented in this report along with definite recommendations for the further development of the property.

An effort has been made to review all the data pertaining to the subject property in the light of new concepts pertaining to precious metal systems associated with Precambrian intrusive bodies of the Central Arizona Greenstone Belt.

## LOCATION AND OWNERSHIP

~~14~~ The Starlight-American Flag claim group lies approximately ~~14~~ miles SE of the city of Prescott, Arizona. The claims comprise a contiguous group of 5 unpatented lode claims that are located in portions of Sections 12 & 7 Township 12 N, Range 1 W & 2 W Gila and Salt River Baseline and Meridian. The claims are currently owned by Mrs. Jessie Carmack. For the location of these holdings and any pertinent recordation information see Figures 1 & 2 and Appendix B.

22. Brief History and Past Production: Originally located in the 1920's and worked for high-grade gold-silver-lead-zinc values by The property was then intermittently worked by Westerner Mines Inc. and the Tomlinsons until the 1940's. Joe Ward then worked on the property as a Leasor and shipped several carloads of high-grade Pb-Zn-Ag-Au ore. Mr. Ward relocated the claims in the 1960's. The claims were then sold to the present owner in the 1970's.

23. Previous Sampling, Drilling & Other Studies on Dumps or Tailings: Several samples of the mineralized vein material have been taken by past operators, the owner, Wallaby Enterprises Inc. personnel and other interested parties. The values were generally in the trace to greater than 1.0 ozs. Au/T. range, 10.0-30.0 ozs. Ag/T. with associated Pb, Zn, & Cu credits. There are no records of any past drilling program on the property. Wallaby Enterprises personnel ran Radiometric survey lines on the property during the 1985-1986 Assessment Work season.

24. Environmental-Social-Political Conditions & Considerations: The area is one of past mining and prospecting activity and is not within any area considered for Wilderness or Restricted Use Status.

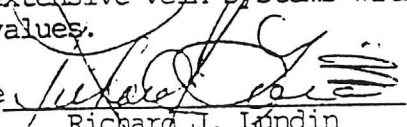
25. Sampling: Several samples of both the underground workings and surface exposures were taken by past operators, Wallaby Enterprises personnel.

26. Financial Terms, Conditions & Considerations: The property is currently open for lease or purchase. Submit all offers.

Remarks: Recent work on the property by Wallaby Enterprises personnel delineated several, major, extensive vein systems with anomalous to "ore grade" Au-Ag-Pb-Zn values.

Date: November 1, 1986

Signature

  
Richard J. Lundin

Richard J. Lundin, Mineral Exploration Consultant and President of Wallaby Enterprises Inc. has a BA degree in Anthropology and Geology from Beloit College, Wisconsin and 10 years experience in the evaluation of base and precious metal deposits in the United States and abroad. In addition, Mr. Lundin is a Licensed Real Estate Professional in the State of Arizona and a Specialist in Mining Properties and Mineral Industry Investments.

## HISTORY AND PAST PRODUCTION

Very little is known about the early history of the specific area of the claim group. The property was originally located and initially worked in the 1920's high-grade gold-silver-lead-zinc values by an English company. The property was then intermittently worked by the Westerner Mines Inc. and the Tomlinsons until the 1940's. Joe Ward, a local miner and prospector, worked on the property as a Leasor and relocated the claims in the 1960's. During this period, Mr. Ward shipped several carloads of high-grade Pb-Zn-Ag-Au ore. Total production is thought to have been less than 500 tons. The claims were sold to the present owner in the 1970's.

## PRIOR INVESTIGATIONS

Very little detailed work has been done in the immediate area of the Starlight-American Flag Claim Group. Lindgren described the property in his 1926 publication on the Bradshaw Mountains. The information in Arizona Bureau of Geology and Mineral Technology Bulletin 137 is mainly excerpted from Lindgren's work. Existing file data information in the Arizona Department of Mines and Mineral Resources archives generally describe the operations of the Venezia and Westerner Mines Groups. The general mapping and descriptions of Anderson and Blacet (1972a & 1972b) include this area but do not describe, in detail, the mineralization outcropping within the claim group.

## GENERAL GEOLOGY

The host rock is a post-Yavapai Series (Lower Precambrian gneissic granite-granodiorite of the Crooks Canyon Granodiorite of Anderson and Blacet (1972a)) that has been intruded by a series of diabase and rhyolite-latitude porphyry dikes. The vein mineralization follows the contacts between these dikes and the granite-granodiorite. Masses of Lower Precambrian, intermediate-mafic volcanics, sediments and volcaniclastics are found within the granite-granodiorite unit and outcrop throughout the claim group.



## STRUCTURE

The Crooks Canyon Granodiorite is highly fractured and jointed with both high angle and low angle fault and joint systems. Certain of the high angle joint systems are thought to be of Precambrian age and the controlling structural features of the rhyolite-latitude porphyry dike systems. Laramide fault and joint systems that cut across the foliation of the stock and the outcrops of the other Precambrian intrusive units. These high-angle features generally strike N-S, NW and NE and dip to the west and north at steep dips (generally over 60 degrees). These fracture systems are the locus of the mineralization that was exploited in the past exploration and mining efforts.

## ECONOMIC GEOLOGY

The Pb-Zn-Au-Ag-Cu mineralization is localized along distinct N-S, NE and NW striking vein and fracture systems with the ore shoots reported to extend over 150 feet in the lower workings. The ore shoots average between 2 and 3 feet in width in the accessible workings and were stoped for up to 50 feet above the various levels. The ore shoots steeply plunge to the west and appear to be best developed at the intersection with high-angle fracture systems.

The primary precious and base metal mineralization appears to be associated with remobilized Laramide? quartz veins. Geophysical data suggests the potential for hidden bodies of base and precious metal mineralization at or near the contacts with partially absorbed blocks of Older Precambrian metasedimentary and mafic volcanic units or associated with masses of partially absorbed felsic and intermediate volcanic lithologies that are found within the Crooks Canyon Granodiorite. The ore material is of a sulphide character (galena, sphalerite, chalcopryrite and pyrite) and could probably be successfully treated using conventional floatation technology.

## DISCUSSION OF RESULTS

A total of 6 samples were taken from the surface exposures and accessible underground workings within the Starlight-American Flag claim group. (For the Location of these Sample Sites and the Assay Results see Figures 1 & 2 and Appendix A) The samples were assayed for their Au, Ag, Pb & Zn content by Atomic Absorption and Fire Assay methods. The Au values ranged from .1 PPM Au/T. to 8.9 PPM Au/T. The Ag values ranged from .45 PPM Ag/T. to 80.0 PPM Ag/T. The Pb values varied from 45.0 to 10,000.0 (3.98 Pb) PPM Pb/T. The Zn values varied from 800.0 to 15,000.0 (1.087 Zn) PPM Zn/T. Samples SG002-SG004 showed economically important base and precious metal values and were taken from high-grade portions of the Starlight vein system. Samples SG005-SG006 were taken from caved prospect pit on the American Flag claims and represent small pods of remaining high-grade Ag-Pb-Zn mineralization associated with thin, discontinuous vein systems.

#### CONCLUSIONS AND RECOMMENDATIONS

From the work that has been done to date, it is readily apparent that there is significant potential for a series of small-intermediate tonnage, high-grade, deposits that could be worked by underground methods.

It is recommended that the accessible, underground Starlight Workings be rehabilitated and thoroughly sampled in preparation for an extensive drilling program to test the strike and down-dip extensions of the Starlight Vein System.

Finally, efforts should be made to unitize the various patented and unpatented holdings immediately north of the Starlight-American Flag group as it appears that the mineralization is continuing on to these holdings.

Sincerely,

Richard J. Lundin,  
President,  
Wallaby Enterprises Inc.  
& Mineral Exploration  
Consultant

#### REFERENCES CITED

Anderson, C.A., and Blacet, P.M., 1972a , Precambrian geology of the northern Bradshaw Mountains, Yavapai County,, Arizona: U. S. Geological Survey Bulletin 1336, 82 p.

Anderson, C.A., and Blacet, P.M., 1972b, Geologic Map of the Mt. Union Quadrangle, Yavapai Co. Arizona: U.S. Geological Survey Quadrangle Map GQ-997

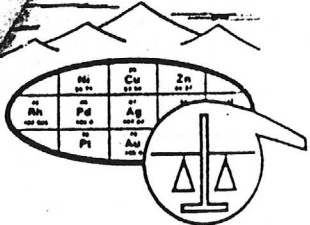
Arizona Bureau of Geology and Mineral Technology Bulletin 137 (1967)

Arizona Department of Mines & Mineral Resources File Data

Lindgren, Waldemar, 1926, Ore Deposits of the Jerome and Bradshaw Mountains quadrangles, Arizona: U. S. Geological Survey Bulletin 782, 192 p.

U.S. Bureau of Mines MILS File Data

APPENDIX A •



**SKYLINE LABS, INC.**  
 1775 W. Sahuaro Dr. • P.O. Box 50106  
 Tucson, Arizona 85703  
 (602) 622-4836

REPORT OF ANALYSIS

JOB NO. TEY 015  
 July 8, 1986  
 SG001-SG006  
 PAGE 1 OF 1

WALLABY ENTERPRISES, INC.  
 Attn: Mr. Richard J. Lundin  
 1555 Iron Springs Road, Suite 37  
 Prescott, Arizona 86301

Analysis of 6 Rock Chip Samples

ITEM	SAMPLE NO.	Au (ppm)	Ag (ppm)	Pb (ppm)	Zn (ppm)
1	SG001	<.1	.45	45.0	800.
2	SG002	2.3	36.00	12000.0	19500.
3	SG003	8.9	36.00	13000.0	25000.
4	SG004	3.2	16.00	9000.0	2100.
5	SG005	<.1	2.20	100.0	1200.
6	SG006	.1	80.00	39000.0	158000.

REGISTERED ASSAYER  
 CERTIFICATE NO.  
 9425  
 WILLIAM L.  
 LEHMBECK  
 SIGNED  
 William L. Lehmbek  
 Manager  
 Arizona U.S.

Figure 1a

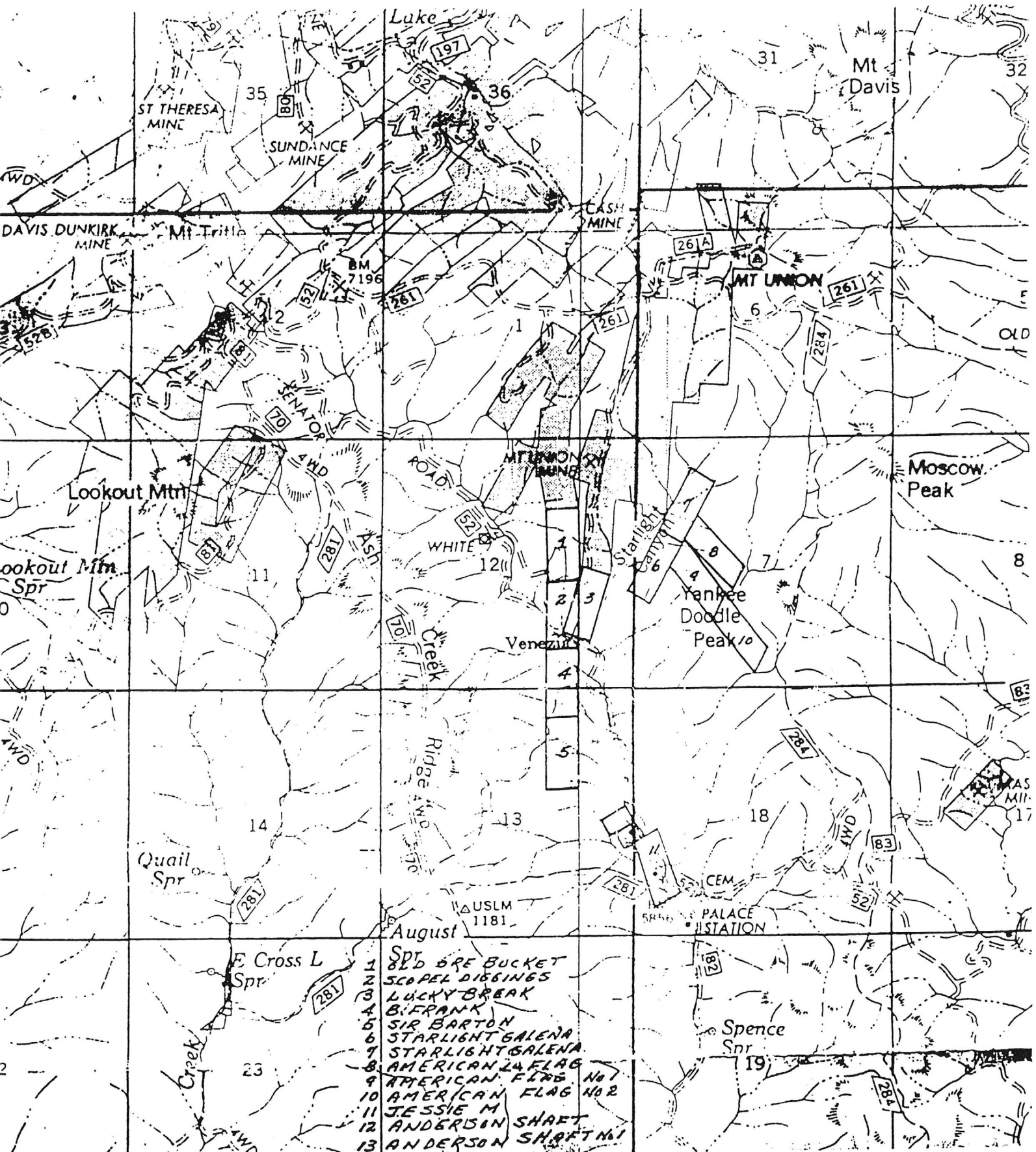
Location Map

Starlight-American Flag Grp.

T. 12 N, R. 1 & 2 W

Yavapai Co. Arizona

Scale: 1"=2000'



APPENDIX B

# ORE SETTLEMENT

SHATTUCK DENN MINING CORPORATION

Iron King Branch

MILL, HUMBOLDT, ARIZONA

Bought of	Joe Ward	November 10	1944
Address	Venezia, Arizona	Mill Lot	- - -
Name of Mine	Westerner	Shipper's Lot	- - - 1
		Date Received	November 2, 1944

Gross Weight	3.415				
% H <sub>2</sub> O	2				
Dry Weight	3.347				
				PAYABLE	
				Metal Content	
				Gold	Ozs.
				Silver	Ozs.
				Lead	Lbs.
				Zinc	Lbs.
				Copper	Lbs.

## PAYMENTS

Assay		Pay For	Pay For	Price	AMOUNT	
					Per Ton	Total
Gold	.54 oz	75%	405	32.50	13.162	
Silver	5.1 oz	80	4.08	.65	2.652	
Lead	10.3 %	70	7.81	.40	2.884	
Zinc	33.8 %	70	23.66	.55	13.013	
Copper	.27 %	60	.16	1.00	.160	
Total					31.871	106.67

## DEDUCTIONS

Base Mill Charge	3.50					
Units Lead @						
Sampling and Assaying						
Total Deductions - - -					3.500	11.71
MILL RETURN						
Hauling by						
tons @						
CHECK TO						
					28.371	94.96

Premium Metals	#	#			
Lead 86% x	689	-	593	.0275	16.31
Zinc 77% x	2263	-	1743	.0275	47.93
Copper 87% x	18	-	16	.05	.80
					65.04

Approved *N. F. Miller*



FORM 1-44 CLAIMS

AMERICAN CAN SMELTING AND REFINING CO  
EL PASO SMELTING WORKS  
**ORE SETTLEMENT**

STATE OF TEXAS 4-27-44  
 TON PER LOT 911  
 PER'S LOT 3  
 CLASSIFICATION Ore  
 NAME OF MINE \_\_\_\_\_

BOUGHT OF Wickenburg Ore Market,  
 ADDRESS Wickenburg, Arizona.  
 SHIPPING POINT \_\_\_\_\_

CAR		WEIGHT IN AVOIRDUPOIS POUNDS					
NO.	INITIAL	GROSS	SACKS		NET WEIGHT	MOISTURE %	DRY WEIGHT
			NO.	WEIGHT			
33635	SP				54000	10.7	48122

N. Y. METAL QUOTATIONS	
Settlement Date	<u>4-23-44</u>
B/L Date	<u>4-9-44</u>
Silver	<u>.70625</u> Cts. per oz.
Fgn Silver	<u>.4475</u>
Lead	<u>6.50</u> Per 100 lbs.
E. & M. J.	
Copper	<u>11.650</u> Cts. per lb.
PREMIUM METAL CONTENT	
Lead	<u>6459</u> lbs.
Copper	_____ lbs.

Net Tons Included Gold + .008 Silver + .1

PAYMENTS FOR METALS							VALUE		
ELEMENTS	ASSAY PER TON 2000 LBS.	DEDUCTED	NET ASSAY	EQUIVALENT IN LBS.	PERCENT PAID FOR	NET PAID FOR	RATE	AMOUNT PER TON	AMOUNT TOTAL
Gold	.293 oz.					.293	oz. 52.31825	9.47	
Silver	32.5 oz.				95	30.875	oz. .4325	13.35	
Lead	14.1 %	1.5	12.6	252.0	90	226.8	lb. .049	11.11	
Copper	.30 %						lb.		

TOTAL PAYMENTS FOR METALS 33.93

DEDUCTIONS  
 BASE CHARGE: F. O. B. El Paso, for Metal Payments, not exceeding \$ 15.00 per ton  
10 % of \$ 18.93 excess over \$ \_\_\_\_\_ per ton  
 Handling Sacks \_\_\_\_\_

DEBITS	CREDITS
3.50	
1.50	
.05	
TOTAL DEDUCTIONS	8.35
NET VALUE PER TON	25.58

ANALYSIS		DEDUCTION	NET	RATE	
Insoluble	39.2 %			@	Cts.
Silica	35.8 %			@	Cts.
Iron	6.1 %			@	Cts.
Mn				@	Cts.
Time	5.1 %			@	Cts.
Ac	11.4 %	5.0	6.4	@ .30	Cts. 1.92
phur	7.5 %	2.0	5.5	@ .25	Cts. 1.38
mina	1.4 %			@	Cts.
	.22 %			@	Cts.
	.15 %			@	Cts.

TOTAL DEDUCTIONS 3.35  
 NET VALUE PER TON 25.58

Total Value on 24.111  
 Freight on 27.0  
 Dry Tons @ 25.58 Per Ton  
 Wet Tons @ 4.50 Per Ton  
 Hauling Charge 4.50  
 Switching \_\_\_\_\_  
 Umpires \_\_\_\_\_  
 Reweigh 3.47+.10 Tax  
 231 Ozs. @ .25375  
**BALANCE DUE SHIPPER**

DEBITS	CREDITS
125.15	616.76
3.57	
59.77	59.77
188.04	
676.53	676.53

Additional Dues  
 pending receipt of Silver Affidavit

BUYERS:  
PLACER AND OLD GOLD

# Assay Certificate Prescott Engineering Co.

P. O. BOX 230 METALLURGICAL LABORATORY  
PRESCOTT, ARIZONA  
PHONE 66

SPECIALIZING IN FLOTATION TESTS  
MILL FLOW SHEETS & DESIGN.  
CHEMICAL & METALLURGICAL  
RESEARCH.

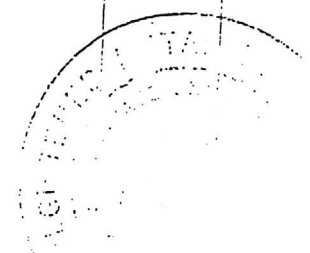
MINE: Joe Ward  
Groom Creek Route  
Prescott, Ariz.

June 6, 1946

ASSAY PER TON OF 2000 LBS.

SERIAL NO. 4112

ORIGIN	NO.	GOLD OUNCES	VALUE GOLD PER TON	SILVER OUNCES	LEAD %	COPPER %	ZINC %	TUNGSTEN %	TANTALUM %	BERYLLIUM %	MERCURY %
old-lead ore		1.10	57.00		8.15						



REMARKS:

22.50

BY: *Bryant Massey*

STARLIGHT

Sample No. 1

Gold	.44	x	75%	.33	ozs.	@	32.00	10.56
Silver	19.4	x	80%	15.52	"	"	.63	9.78
Lead	43.9	x	70%	30.7	units	@	.50	15.35
Zinc	22.7	x	60%	13.6	"	"	.55	7.48
Copper	.66	x	65%	.43	"	"	1.00	.43

Value before milling 43.60  
 Milling charge 3.25  
 Net value 40.35

If an A premium were obtained, premium values would be-

Lead	43.9	x	86%	37.75	units	@	.55	20.76
Zinc	22.7	x	77%	17.48	"	"	.55	9.61
Copper	.66	x	87	.57	"	"	1.00	.57

Total premiums 30.94

Sample No. 2 Hanging Wall

Gold	.18	x	75%	.135	ozs.	@	32.00	4.32
Silver	5.5	x	80%	4.4	"	"	.63	2.77
Lead	10.1	x	70%	7.07	units	@	.50	3.53
Zinc	45.3	x	60%	27.18	"	"	.55	14.90
Copper	.7	x	65%	.45	"	"	1.00	.45

Value before milling 25.97  
 Milling charge 3.25  
 Net Value 22.72

If quotas for premium metals were obtained, additional values would be-

Lead	10.1	x	86%	8.68	units	@	.55	4.77
Zinc	45.3	x	77%	34.9	"	"	.55	19.20
Copper	.7	x	87%	.61	"	"	1.00	.61

Total Premiums 24.58



ORE SETTLEMENT

SHATTUCK DENN MINING CORPORATION  
 Iron King Branch  
 MILL, HUMBOLDT, ARIZONA

Bought of Joe Ward  
 Address Venezia, Arizona  
 Name of Mine Westerner

November 10, 1944  
 Mill Lot \_\_\_\_\_  
 Shipper's Lot 1  
 Date Received November 8, 1944

Gross Weight	3.415	PAYABLE Metal Content	Gold	Ozs.
% H <sub>2</sub> O	2		Silver	Ozs.
Dry Weight	3.347		Lead	Lbs.
			Zinc	Lbs.
			Copper	Lbs.

PAYMENTS

Assay	Pay for	Pay For	Price	AMOUNT	
				Per Ton	Total
Gold .54 oz.	75%	405	32.50	13.162	
Silver 5.1 oz.	80	4.08	.65	2.652	
Lead 10.3 %	70	7.21	.40	2.884	
Zinc 33.8 %	70	23.66	.55	13.013	
Copper .27 %	60	16	1.00	.160	
			Total	31.871	106.67

DEDUCTIONS

Base Mill Charge 3.50  
 Units Lead @  
 Sampling and Assaying

Total Deductions - - -

3.500 11.71  
 28.371 94.96

MILL RETURN

Hauling by

tons @

CHECK TO

28.371 94.96

Premium Metals	#	#			
Lead 86% x	689	-	593	.0275	16.31
Zinc 77% x	2263	-	1743	.0275	47.93
Copper 87% x	18	-	16	.05	.80
					65.04

Approved: *[Signature]*

# GIROUX ASSAY OFFICE

Mayer, Arizona..... December 31,..... 194.....

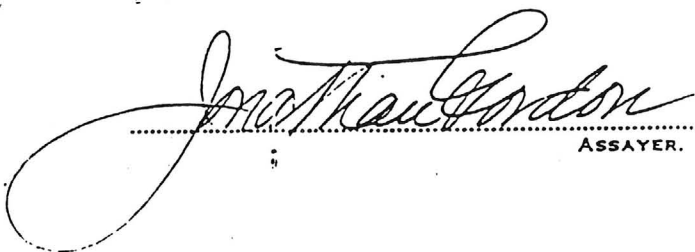
This is to certify that the sample assayed for Mr. Wm. John Eddy, 209 N. Mt. Vernon, Prescott, Ariz. gave the following results per ton of 2000 pounds.

NO.	DESCRIPTION	GOLD OZ.	SILVER OZ.	COPPER %	LEAD %	ZINC %	IRON %	VALUE \$
57-1		0.14	23.54	0.40	51.80	19.60		

Gold @.....Per Oz.  
 Silver @.....Per Oz.  
 Copper @.....Per Unit  
 Lead @.....Per Unit

Certificate No. 257

Charges...\$6.00.....

  
 .....  
 ASSAYER.

IRON KING ASSAY OFFICE  
**ASSAY CERTIFICATE**

BOX 247 — PHONE 632-7410  
 HUMBOLDT, ARIZONA 86329



ASSAY  
 MADE  
 FOR

KENNETH CARMACK  
 2432 E Ocotillo Road  
 Phoenix, Ariz. 85016

Dec. 5, 1979

ref no.	DESCRIPTION	oz/ton Au	oz/ton Ag	% Fe	% Pb	% Zn	% Cu
10-1-9	10/1/79 "C" TUNNEL	Tr	Nil				
11-7-15	STARLIGHT #1 UPPER TUNNEL	.160	12.82		31.15	16.6	
11-7-16	STARLIGHT #2 LOWER TUNNEL Y	.020	0.08		0.35	0.30	

CHARGES \$36.25 paid

ASSAYER \_\_\_\_\_

OUR MOTTO: — WHAT THERE IS IN IT, NO MORE NO LESS.

M. E. PHILLIPS, SECRETARY.

MUND E. PHILLIPS, VICE-PRES.—GEN. MGR.

# THE COLORADO ASSAYING COMPANY

(INCORPORATED)

## ASSAYERS AND CHEMISTS

2244 BROADWAY

DENVER 1, COLORADO June 5, 1964

REPORT ON DETERMINATIONS MADE FOR — Joe Ward  
Prescott, Arizona

SAMPLE MARKS	METALS	Amount per Ton		PER CENT	Value per Ton	
		Ozs.	Hds.		Dollars	Cents
Poor-Hill Hill Hill site Concentrates ORE Western Mine	Gold	35.62			1246.70	
	Silver	4.40			5.72	

AT \$35.00 PER OUNCE  
AT PER UNIT

SILVER AT 1.30 PER OUNCE  
COPPER AT PER UNIT

THE COLORADO ASSAYING COMPANY

By *Ed. Phillips*











APPENDIX C

ATTACHMENT B-2

SUMMARY REPORT DESCRIBING THE STARLIGHT-AMERICAN FLAG CLAIM GROUP  
HASSAYAMPA MINING DISTRICT, YAVAPAI COUNTY ARIZONA

by Richard J. Lundin, Mineral Exploration Consultant

1. Mine or Property Name: Starlight-American Flag Claim Group
2. Mining District, County & State: Hassayampa Mining District, Yavapai County, Arizona
3. Quadrangles or Map Names: Groom Creek Quadrangle (1:24,000)
4. Location: T. 12N, R. 1W & 2W Sections 12 & 7 G&SRB&M
5. Any Former Names: Westerner Mines Grp.
6. Owners: Mrs. Jessie Carmack
7. Address of Owners: 1607 Sherwood Drive, Prescott AZ 86301
8. Operator: (same as above)
9. Address of Operator: (same as above)
10. Principal Metals: Au, Ag, Pb, Zn
11. Number of Claims, Title etc.: 5 unpatented lode claims.
12. Previous Published or Unpublished Reports: Lindgren, W.E. (1926); Anderson, C.A. & Blacet, P.M. (1972a & 1972b) Lundin, R.J. (1986b); Ariz. Bur. of Geology and Mineral Technology Bull. 137 (1967); Arizona Department of Mines and Mineral Resources File Data, USBM MILS Data Base File-all available
13. Names of Mining Companies or Governmental Agencies that have worked or are now working on this property: Westerner Mines Inc.
14. Ore & Gangue Minerals: Gold-silver mineralization associated with masses and veins of white quartz with native gold, argentiferous and auriferous pyrite, galena and sphalerite; iron and manganese oxides.
15. Geology: The host rock is a post Yavapai Series (Lower Precambrian gneissic granite-granodiorite of the Crooks Canyon Granodiorite of Anderson & Blacet (1972a) that has been intruded by a series of rhyolite-latite porphyry dikes that may be related to the Laramide Pine Flat Porphyry Copper System. The vein mineralization follows the contacts between these dikes and the granite-granodiorite. The Au-Ag-Pb-Zn mineralization is localized along distinct N-S, NE and NW striking vein and fractures systems.
16. Type of Mineralization-Metallurgical Considerations: The primary precious and base metal mineralization appears to be associated with remobilized Laramide? quartz veins.
17. Ore Reserves: Unknown
18. Mine, Mill Equipment & Flow Sheet: none in usable condition
19. Road Conditions: Access to the property is by the Senator Highway. (see figure 1)
20. Water & Power Supply: Water is available from the flooded mine workings. Power would have to be generated on-site.
21. Extent of Development: The main workings were developed for approximately 300 feet along strike on three levels. There are shallow, surface, workings along outcrops of the mineralization.

# WICKENBURG ORE MARKET

Operated by John C. Herr

Wickenburg, Arizona ... April 8th, 1944, 194...  
 Settlement for Lot No. 1957  
 Classification:

Shipper: Joe Ward, Lessee of Roma Tomlison.  
 Address: Venezia, Ariz.

Net Weight of Lot 15.282 lbs.  
 Moisture: 34 percent 304 lbs.  
 Net dry weight: 14.934 lbs.

Name of Claim: Westerner Mines  
 Mining District: Hassayampa  
 County: Yavapai

Equivalent in tons (2000 lbs.): 7.467 Tons

## PAYMENTS PER TON

Assay	Amount Paid For	Rate	Value
Gold: 0.43 ozs. All		oz. at \$ 32.20	\$ 13.84
Silver: 12.80 ozs. 95%	----- 12.16 -----	oz. at 69	2.39
Copper: 255 Wet Pct. 540# Dry 90%	----- 486 -----	lbs. at 05	24.30
Lead: 1.501#			
<u>275.35</u>			
	Value per ton at shipping point:		\$ 46.53
	Freight Rate per ton:	\$ 5.50	\$
	Smelter—Treatment per ton:	6.00	\$
		\$ 11.50	\$ 11.50
	Net smelter value per dry ton:		\$ 35.03

Total net smelter value of 7.467 net dry tons at \$ 26.14 \$ 195.14

Brokerage 10 per cent (\$2.00 ton minimum): \$ 26.14  
 Sampling—Assaying: none

5 ton lots or over, no charge for Sampling and Assaying.  
 If you are not satisfied with your returns, go out and take a 50 lb. grab sample off your ore pile at my expense.

\$ 26.14 \$ 26.14

Approved By: \_\_\_\_\_ Net Amount Due Shipper. \$ 235.32  
 Less \$25.00 held on zinc until settlement \$ 25.00  
 Check \$ 210.32  
 Total lead in lot ----- 4354#  
 95% ----- 4041# at 0.0275 --- \$111.13