MME Form 9
Rev. Nov. 65

UNITED STATES
DEPARTMENT OF THE INTERIOR
Geological Survey

OFFICIAL DOCKET FILE

Contract No. _____ Docket No. 6660

Application
- [ ] Denied
- [ ] Withdrawn

Contract
- [ ] Terminated - Not Certified
- [ ] Terminated - Certified
- [ ] Cancelled
- [ ] Royalty Agreement

The records contained in this file are marked (x) and arranged in this order:

Folder No. 1:

Left Side

- [ ] Royalty Audits
- [ ] Certification of Discovery
- [ ] Closing Letter
- [ ] Cost Audits
- [ ] Termination Notice or Agreement
- [ ] Recision Notice
- [ ] Assignment of Contract
- [ ] Contract Amendments
- [ ] Contract with all exhibits and annexes
- [ ] Owner's Consent to Lien and Subordination Agreement
- [x] Application and Attachments

Right Side

- [ ] Project Summary (final)
- [ ] Work Completed Analysis (final)
- All other material filed in chronological order including the following reports if checked:
- [ ] Field Team Semiannual Report for Certified Project
- [ ] Final Field Team Report (Tab)
- [ ] Operator's Final Report (Tab)
- [ ] Interim Field Team Reports
- [ ] Operator's monthly reports and all attachments
- [ ] On-site Exam. Report (Tab)
- [ ] Settlement Sheets
- [ ] Drill Logs

Additional Folders:

Left Side

Folders No. _____: Reports
- [ ] Analysis of Semiannual Inspection Reports
- [ ] Project Summary (Interim) by MME Engineers

Right Side

- [ ] Field Team Semiannual Report for Certified Project
- [ ] Field Team Interim Reports
- [ ] Operator's Monthly Reports with Transmittal, Narrative and Maps

Folders No. _____: Maps (Use pocket folder or envelope)

Folders No. _____: Settlement Sheets

Folders No. _____: Drill Logs

Folders No. _____: Royalty Material

72195-65

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
FEDERAL CENTER, DENVER, COLORADO 80225
Office of Minerals Exploration

IN REPLY REFER TO:

OFFICIAL COPY
O. M. E.
RECEIVED
SEP 22 1967

INITIALS	CODE

September 22, 1967

Memorandum

To: Chief, OME

From: Field Officer, Region III

Subject: New Application (Copper)
McMurrin Wulffenstein
Savanic Mine
Mohave County, Arizona

Enclosed are the originals of an application for financial assistance in exploring the subject mine. A copy of each document except the Garfield Smelting Co. settlement sheets has been retained for our files.

We have no special knowledge of this property except that an earlier application (OME-6123) was denied May 5, 1961. Several deficiencies in the present application are noted as follows:

We do not agree with the Applicant that OME could justify more than 50 percent participation, inasmuch as 98.5 percent of the value of the ore is in copper.

1. Financial Eligibility:

Letters to the two banks are missing.

2. Applicants' Rights in Land:

We should have some evidence of ownership on these 40 acres?

(a) A copy of the quit-claim deed by which ElRoy Wulffenstein obtained half(?) interest in the land may not be required, but in any case it is not included.

3. Physical Description

(a) Property map not included.

(c) Production from October 22, 1912 through January 23, 1920 summarized from the settlement sheets was 85 shipments totaling

2,483.091 tons of the following grade:

Shipments	Au oz/T	Ag oz/T	Cu %
Highest	0.033	8.10	36.35
Lowest	0.01	0.30	10.02
Average	0.02	0.87	18.18

(f) Reasons for expecting to find ore include "surface evidence" mentioned under 3(f) and 5(a), but the nature of the evidence is not described; illustrated, or evaluated. Favorable bedding planes are expected to contain ore north and west of the old stopes, but no reasons are given for excluding these same planes to the south and east.

5. Exploration Work:

(a) Location of the proposed 200 feet of drifting is not illustrated, but is to be determined "by shaft exploration, old workings, and the surface indications . . ." Unless the surface and underground "evidence" can be evaluated in advance, the proposed shaft would appear to be prospecting. Although drilling is said to be impractical, we wonder whether a hole or two might not save considerable sinking.

7. Exploration Costs:

(b) Personal Services. It is not entirely clear whether board and room facilities are furnished free to the crew or if each man is to be charged $3.17 per day. Judging from the wage scale board and room are free.

(c) Operating materials and supplies. Dimension timber at $165.00/M is higher than other Arizona projects. Presumably all timber is Douglas Fir (from Oregon?) to be used only for headframe and hoist house. No allowance for salvage is made for rail, pipe, sheave, rope, headframe, or hoist house.

(g) Miscellaneous. Assay costs at $3.00 appear to be low, and accounting at $150.00/month seems high.

R. M. Smith

for J. William Hasler,
Field Officer, Region III
Office of Minerals Exploration

Enclosures

98 Diagonal Street
St. George, Utah
September 15. 1967

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O. M. E.
RECEIVED
SEP 22 1967
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U. S. Geological Survey
Office of Minerals Exploration
Denver Federal Center - Building 25 - Room 2284
Denver, Colorado, Colorado 80225

Attention; J. William Hasler, Field Officer.

Dear Mr. Hasler:

Enclosed herewith is an application in duplicate for OME assistance in the proposed exploration work at the SAVANIC Mine located in Mojave County, Arizona in the area known as "Arizona Strip" north of the Colorado River.

Also enclosed are the necessary documents, maps, settlement sheets, and tabulations as required by the application.

We sincerely believe that the OME could justify the participation in the exploration at a higher percentage of the total cost than 50 percent.

Any further information or data required will be forwarded as soon as possible.

Very truly yours,

M. Wulffenstein

M. Wulffenstein - Partner

ElRoy Wulfenstein

ElRoy Wulfenstein - Partner

Enclosures

MSM/lg

MME Form 40
Jan. 65

Budget Bureau No. 42-R1508
Approval expires Dec. 31, 1968

OFFICIAL COPY O. M. E. RECEIVED SEP 22 1967 INITIALS CODE

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR FINANCIAL ASSISTANCE IN MINERALS EXPLORATION

Pursuant to Public Law 85–701 (72 Stat. 700; 30 U.S.C. 641)

NAME OF APPLICANT *(Full legal name and mailing address as they should appear on contract if one is executed.)*

MC MURRIN WULFFENSTEIN
98 Diagonal Street
St. George, Utah 84770

APPLICANT DO NOT USE THIS BLOCK

DOCKET NUMBER 6660

DATE RECEIVED 9/25/67

REGION III

DIVISION CODE

BUSINESS ORGANIZATION *(Check one)*

INDIVIDUAL
CORPORATION
PARTNERSHIP X
OTHER *(Specify)*

STATE IN WHICH FIRM IS ORGANIZED Utah

LIST CORPORATE OFFICERS OR PARTNERS HERE, IF APPLICABLE

NAME	ADDRESS	TITLE
M. Wulffenstein	98 Diagonal Street, St. George, Utah	Partner
ElRoy Wulffenstein	595 S. Main, St. George, Utah	Partner

MINERAL(S) FOR WHICH YOU WISH TO EXPLORE
Copper

ESTIMATED COST OF PROJECT
$ 27,769.00

PROPERTY NAME	LOCATION COUNTY	STATE
Savanic Mine	Mojave	Arizona

GENERAL INSTRUCTIONS

Before filling out this application, please read the *OME Regulations for Obtaining Federal Assistance in Financing Explorations for Mineral Reserves* (30 CFR Chap. III). To assure prompt action, your application must provide all applicable material and information specified on the back of this application form. Avoid unnecessary correspondence and delays by submitting complete and accurate information. *Please submit two copies of this application and all accompanying papers* except as otherwise noted. Place your name and address on each sheet. Each item of information, maps, and reports required as a part of this application is described on the back of this form. Identify each attached statement by the item number to which it applies. If an item does not apply to your application, show the item number on your statement and after it write "not applicable." Maps or sketches should be used to supplement narrative descriptions of the property location and boundaries in item 2, existing mine workings and geology in item 3, and the proposed exploration work in item 5. When this information is not too complex, all of it may be shown on one map or sketch. All documents and other attachments submitted as a part of this application, except those in item 3(g) which you mark to be returned, become the property of the Government and will not be returned to the applicant. Send true copies, *not originals*, of leases, contracts, and other documents which are an essential part of your business records. *File this application with the Office of Minerals Exploration, Department of the Interior,* ~~Washington 25, D. C., or with the nearest OME Field Office.~~ Washington, D. C., 20242, or with the nearest OME Field Office.

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, and that he would not ordinarily undertake the proposed exploration under current conditions and circumstances at his sole expense.

September 15, 1967
DATED

M. Wulffenstein
BY *(Signature)*

Partner
TITLE

A wilfully false statement or certification to any Department or Agency of the United States Government is a criminal offense. U. S. Code, Title 18, Sec. 1001.

INFORMATION REQUIRED WITH THIS APPLICATION

1. Financial Eligibility:

(a) Submit evidence of efforts made within 90 days preceding the filing of this application to obtain credit from your bank of account and at least one other banking institution or other private source of credit. Such evidence shall include true copies of correspondence which show: (1) date of loan request, (2) amount and terms requested, (3) proposed use of loan funds, and (4) the replies from credit sources. If the loan was offered under terms which you consider unreasonable, state why you consider them so.

(b) List names and addresses of affiliated, parent, or controlling companies or organizations and state extent and nature of their interest.

(c) State how you propose to furnish your share of the cost of the exploration work.

2. Applicant's Rights in Land:

(a) State your interest in the land and mineral rights, whether owner, lessee, purchaser under contract, or other. If you are not the owner, submit one true copy of the lease, contract, or other document (with address of owner) under which you control the property. Describe all liens, mortgages, or other encumbrances on the land and state book and page number and official place where recorded.

(b) State the legal description (section, township, and range; metes and bounds; patent number of claims) of the land upon which you wish to explore and all adjacent land which you own or control. Describe any part of the land or workings which should not be subject to Government royalty and liens. If the land consists of unpatented claims, state book and page number for each recorded location notice, including amended locations, and official place where recorded. State all the names by which you know the property.

(c) For all land or mineral rights encumbered or not owned, submit five copies of Lien and Subordination Agreements on MME Form 52. If the agreements cannot be obtained, state reasons and provide copies of letters of refusal.

3. Physical Description:

(a) Describe in detail and illustrate with maps or sketches all mining or exploration operations which you know have been or are being conducted upon the land. Include existing mine workings and all production facilities.

(b) State your interest, if any, in operations described in (a).

(c) State, if you know, the past and current production, supporting your statement with copies of settlement sheets, mine records, or published data if available.

(d) Describe known ore reserves, giving quantities and grades and sampling methods used. Support your statement with copies of assay certificates and assay maps if available.

(e) Describe by narrative and maps or sketches the geologic features of the property, including ore minerals, geologic formations, if known, and type of deposit (vein, bedded, etc.).

(f) State your reasons for expecting to find ore, and if you have sampled the area you propose to explore, show where the samples were taken, describe sampling methods used, and provide copies of assay certificates.

(g) Send with your application at least *two* copies of all geologic or engineering reports, assay maps, or technologic information which you have, indicating whether you require their return.

4. Accessibility of Property:

(a) To aid the OME representative who may examine the property, state name and address of person who will meet him; give directions for reaching the property; and describe accessibility of property and of any mine workings.

(b) Name the shipping and supply points and state the distances to the property.

5. Exploration Work:

(a) Describe fully the proposed exploration work giving individual footages and size of openings *for each item of work.* Use narrative, maps, plans, and sections as necessary. Show location of the proposed work as related to geologic features such as veins, ore-bearing beds, contacts of rock formations, etc. Show also the relation of the proposed work to any existing mine workings and to *land boundaries* or to the closest identifiable corner.

(b) If an access road must be built, show the proposed location on the property map and state the length, type and construction methods proposed.

(c) If an OME contract is executed, state how soon thereafter work would be started and finished. State your anticipated average daily or monthly rate of progress for each type of work.

6. Experience:

State your operating experience and background to conduct this exploration work and also that of the person who will supervise the work.

7. Estimate of Costs:

Furnish detailed estimates of the necessary costs *for each item of the work proposed in 5(a)* under the headings listed below with a total for each heading and the estimated total cost of the work. Costs for any work to be performed by an independent contractor should be listed separately under category (a) below. Costs for any work that is not to be performed by an independent contractor should be listed under categories (b) through (g).

(a) Independent contracts. State the total cost of any proposed independent contract for all or any part of the work, and the number of units and the unit cost for each type of work, such as per foot of drilling, per foot of drifting, per hour of bulldozer operations, or per cubic yard of material moved. Cost estimates should be supported by bids from three contractors if possible. (*Note*—If none of the work is to be contracted, write "none" after this item.)

(b) Personal services. The cost of supervision, engineering and geological services, outside consultants, and labor should be itemized by numbers and classes of employees; rates of wages, salaries or fees; and periods of employment. State whether these services are available.

(c) Operating materials and supplies. List items of material and supplies giving quantity and cost of each. Include under this heading power, water, and fuel, and units of equipment and tools costing less than $50 each.

(d) Operating equipment. List items of equipment and tools costing $50 or more per unit. Give specifications and indicate how each item is to be acquired—i.e., rented, purchased or provided by the applicant. If rented or purchased, state the estimated rental or purchase price. If furnished by the applicant, state condition and present fair market value.

(e) Initial rehabilitation and repairs. Describe the type and the cost of *initial* rehabilitation or repair of existing buildings, fixtures, installations (exclusive of mine workings), and movable operating equipment now owned by the applicant which will be used in the exploration work.

(f) New buildings, fixtures, installations. Describe each building, fixed improvement, and installation to be purchased, constructed, or installed for the exploration work, stating specifications and cost including labor, materials, and supervision.

(g) Miscellaneous. Describe the type and estimate the cost of repairs and maintenance of the operating equipment listed in 7(d). Do not repeat initial repairs listed in 7(e). Show also the costs of analytical work, accounting, workmen's compensation and employees' liability insurance, payroll taxes, and other required costs that do not fall within the previous categories. [*Note*—The Government will not contribute to costs incurred before the date of the contract, or to costs of or incident to: (1) acquiring, using, or possessing land and any existing improvements, facilities, buildings, installations, and appurtenances, or the depreciation and depletion thereof; (2) general overhead, corporate management, interest and taxes (other than payroll and sales taxes); (3) insurance (other than employees' liability insurance); and (4) damages to persons or property (other than authorized repair to or replacement of equipment or other property used in the work).]

INT.-DUP. SEC., WASH., D.C

M. Wulffenstein 98 Diagonal Street St. George, Utah

APPLICATION INFORMATION

ITEM 1:

(a)- See attached communications marked 1a relative to availability of funds for exploration work from commercial sources.

(b)- None

(c)- Applicants shre of the cost of exploration will be furnished by use of applicants equipment, superintendance, and cash.

ITEM 2:

(a)- Applicants interest in the property involved consists of the location of mining claims in 1958 and subsequent assessment work annually until August 31, 1967.

(b)- Three mining claims designated VANDERBILT #1, #2, and #3 were located as follows:-

VANDERBILT #1 and #2 were located July 1, 1958 by James E. Wulfenstein and M. Wulffenstein and the locations were filed at the Mojave County, Arizona Recorders Office at Kingman, Arizona.

Above claims were recorded as Entry #84757 and #84758 on page 49 of Book 5F (MINES).

Mining claim VANDERBILT #3, located by the same persons, was filed at above County Recorders Office September 5, 1958 as Entry 85622 on page 160 in Book 5F (MINES).

Annual assessment work has been recorded at the aforementioned Recorders Office in Proof of Annual Labor records with the last available being dated September 6, 1966 and recorded as Entry #12881 on pages 149 and 150 in Book Z.

The interest of James E. Wulfenstein (Deceased) was transfered to ElRoy Wulfenstein by QUIT CLAIM DEED and recorded at the above recorders office on April 9, 1965 as Entry $148156 on pages 173 and 174 in Book 179 (DEEDS)

The mining operation which we designate as SAVANIC MINE has been variously known as Bluebird, Savanac, Bronzel and Savanic.

(c)- Not applicable.

ITEM 3:

(a) The mine now known as Savanic has been operated intermittantly since the early 1900'ds.

The existing mine workings consist of an incline shaft about 60 feet deep vertically and in very poor condition which would require considerable expense to put in a production condition. Various short tunnels have been driven for obscure purposes. The underground workings consist of 2 levels of drifts and stopes as evidenced by attached maps marked 3a. Mine is dry and the surface facilities are NIL.

(b) None

(c) Production records as available are stated in the one copy of settlent sheets marked 3c. Additional ore has been shipped during the years but no factual records are available.

(d) Ore reserves as generally known are non-existant as developed by existing workings.

(e) The copper ore produced by this mining operation has been from bedding plane stopes and fissure fillings apparently of hrdrothermal origin and are situated in the SUPAI FORMATION which is mostly sandstone with some interbeddings of limestone and shale. The mine is located approximately 1 mile east of the Grand Gulch Fault which is traceable from the Virgin River south to the Colorado River. The site of the mine is crossed at variable courses by fractures of comparatively small displacement so far as the evidence indicates.

Ore deposits are considered of the replacement type with the minerals present being copper carbonates and oxides plus hematite as a basic constituent of the deposits. Silver is present in all ore at an assay value of about 1 oz. per ton.

(f) Projected locations of the bedding planes which have produced ore plus surface evidence indicate that the zones north and west of the present workings have a good possibility of ore deposits similar to those mined to date.

Topographical features of the area preclude the possibility of an economically feasible surface drilling program.

(g) Return of attachments relating to Item 3 is not required.

ITEM 4:

(a) M. Wulffenstein, 98 Diagonal Street, St. George, Utah Telephone (801) 673-3448 will be available at all times to meet, direct, and escort any OME representative to the Savanic Mine.

(b) Ore shipments will be made by truck from the mine site via Riverside, Nevada which is approximately 65 miles distant in a northwesterly direction.

Materials and supplies will be transported by truck from St. George, Utah which is approximately 85 niles distant in a north-easterly direction.

ITEM 5:

(a) It is proposed to sink a 6' x 9' two compartment timbered shaft to a depth of 110 feet from the shaft collar elevation. The shaft will be located as delineated on attachment marked 3a. A suitable headframe will be constructed and an engine driven single drum hoist will be installed.

The proposed shaft will be located in the NW¼SW¼ of Section 9 Township 33 N, Range 14 W. , Gila and Salt River Base and Meridian. The Vanderbilt Group is located in the Bentley Mining District.

It is further proposed to drive 200 feet of 5' x 7' drifts to be located as determined by shaft exploration, old workings, and the surface indications of the mineralogical anomalies encountered. Some long-hole drilling at various points in the drifts may be dictated by indications of ore deposits during the progress of the various phases of the exploration work.

(b) No new access roads are to be constructed.

(c) Construction of the headframe and related surface appurtenances will be commenced within 10 days of the execution of an OME contract and will be completed within 180 days from same date.

Estimated average rate of progress for shaft work will be about 2 feet per working day. Drifting will progress at an average rate of 4 Feet per working day.

ITEM 6:

M. Wulffenstein, who will direct and superintend the exploration work has had more than 40 years successful experience as miner, leasor, mine supertendant, and mine owner and is well qualified to handle the mining and development problems met in the type of operation covered by this application.

ITEM 7:

(a) None

(b)-	HEADFRAME	SHAFT	DRIFTS	TOTAL
Project Duration Calender Days	6	67	62	135
1-Superintendent $ 600 per month	$ 120	$ 1340	$ 1240	$ 2,700
2-Miners $ 500 per month	200	2233	2067	4,500
1-Hoistman $ 500 per month	100	1117	1033	2,250
1-Laborer $ 300 per month	60	670	620	1,350
Board and Room 5 Men at $3.17 / day	95	1061	981	2,137
Totals	$ ~~XX~~ 575	$ 6421	$ 5941	$ 12,937

All above services are readily available.

NOTE: Board and Romm facilities will be set up 4,000 feet from the mine site and will be operated by the applicant at an estimated cost of $ 475.00 / month and the prorated cost to each of 5 men is $ 3.17 per day.
Board and Room charges are part of the labor cost.

ITEM 7;

(c) OPERATING MATERIALS AND SUPPLIES

Item	Quantity	Unit Cost	Total
Timber	10,000 FBM	$ 165.00 / M	$ 1,650.00
Bolts, nuts, Washers, rods	Lot		165.00
Hoisting Wire Rope & fittings	1-250'	258.00	258.00
Sheave, shafting and Bearings	1	320.00	320.00
Pipe, Valves, and Fittings	Lot		350.00
Mine Track Complete	230 feet	1.50 foot	345.00
Powder	4,700 lbs	28.00 cwt.	1,316.00
Fuse	6,000 feet	19.00 M ft.	114.00
Caps	1,500	31.50 M	47.25
Water		21.00 Month	94.50
Deisel Fuel	6,750 Gals.	0,22 Gallon	1,485.00
Gasoline	2,700 "	0.30 "	810.00
	Total		$ 6,954.75

(d) OPERATING EQUIPMENT

Unit	Rental cost/month	Time	Total
350' Portable Deisel Compressor	$ 610.00	4.5 Months	$ 2,745.00
6,000# Engine driven Hoist	136.00	"	612.00
3,000 Hough rubber tired Loader	170.00	"	765.00
2- 80# I-R Jackhammers & steel	134.00	"	603.00
5KW Portable Light Plant	30.00	"	135.00
Total	$ 1,080.00		$ 4,860.00

(e) None

ITEM 7 (f)

One headframe (Timber) structure will be constructed using 6" x 8" and 8" x 10" framed fir timber with a 5'-0" sheave complete with bearings, 250 feet of 3/4" hoisting wire rope, and necessary Bolts, Nuts, Washers, and Rods. Also a 8' x 10' Hoisthouse to be constructed of 2" x 6" and 1" x 6" S4S Pine Lumber with floor and ceiling to be of 1" x 4" fir. Roof to be of corrugated Aluminum. Total cost of above is estimated to be $ 2,214.00.

ITEM 7: (g)

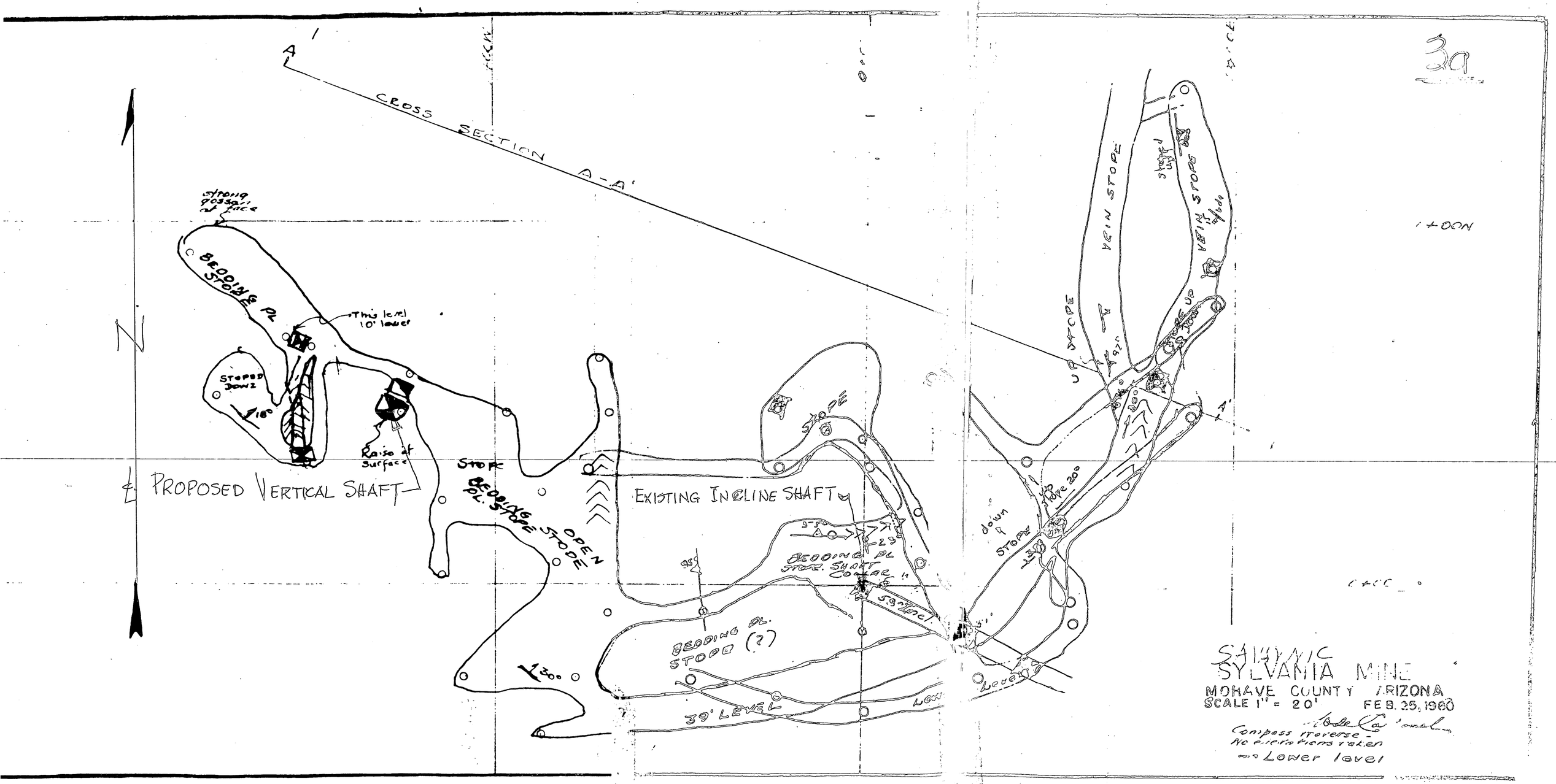
General Maintenance and repairs at a cost of $ 180.00 per month.
Assaying 70 Samples at $ 3.00 each.
Accounting at $ 150.00 per month.
Workmens Unemployment Compensation at a cost of 3.2 percent
Workmens Liability Insurance at a cost of 2.7 percent
Employers share of FICA at a cost of 4.4 percent.

ITEM 7: SUPPLEMENTAL RECAPITULATION

Item	Headframe	Shaft	Drifts	Total
Labor	$ 575.00	$ 6,421.00	$ 5,941.00	$ 12,937.00
Equipment Rental	216.00	2,412.00	2,232.00	4,860.00
Materials & Supplies	1,298.00	3,090.00	2,567.00	6,955.00
Assaying	--	60.00	150.00	210.00
Accounting	30.00	335.00	310.00	675.00
Repairs	36.00	402.00	372.00	810.00
Taxes	59.00	661.00	602.00	1,322.00
Totals	$ 2,214.00	$ 13,371.00	$ 12,184.00	$ 27,769.00
Estimated cost per foot		$ 121.56	$ 60.92	

NOTES : Normal working periods for this area are 12 days on and 3 days off. Salaries are on a monthly basis.

Aridity of the area makes it necessary to haul all water approximately 8 miles.


3a
CROSS SECTION A-A'
A'
N
BEDDING PL STOPE
Stoping possibility at face
This level 10' lower
STOPED DOWN
18°
Raise at Surface
PROPOSED VERTICAL SHAFT
STOPE
BEDDING PL. STOPE
OPEN STOPE
EXISTING INCLINE SHAFT
STOPE
BEDDING PL STOPE. SHAFT COLLAPSE
BEDDING PL. STOPE (?)
39' LEVEL
30°
45°
VEIN STOPE
STOPED UP
VEIN STOPE
STOPED UP
UP STOPE
92°
down STOPE
Stope 20°
Lower
1+00N
SAHARIC
SYLVANIA MINE
MOHAVE COUNTY ARIZONA
SCALE 1" = 20'
FEB. 25, 1960
Compass traverse -
No elevations taken
Lower level
Map No. 2

OFFICIAL
COPY
S. Z. E.
PROCESS
SEP 22 1987

NAME	DATE

R. M. REBER, PRESIDENT
JOHN REBER, SEC.-TREAS.

1a

PHONE
OR 3-3131

REBER INVESTMENT CORPORATION

INSURANCE AND FINANCE
33 NORTH MAIN
ST. GEORGE, UTAH

August 21, 1967

Messers. ElRoy Wulfenstein and
McMurrin Wulffenstein.

Gentlemen:

I have been trying to resolve a decision regarding your request for a loan of $ 25,000.00 for development of your SAVANIC mining property in the Arizona Strip, and the answer is that we are unable at present to make a loan of this magnitude for the purpose intended.

Sincerely yours,

John Reber

John Reber

RJR:mer

BANK OF ST. GEORGE

ST. GEORGE, UTAH 84770

August 21, 1967

Mr. ElRoy Wulfenstein
St. George, Utah

Dear Mr. Wulfenstein:

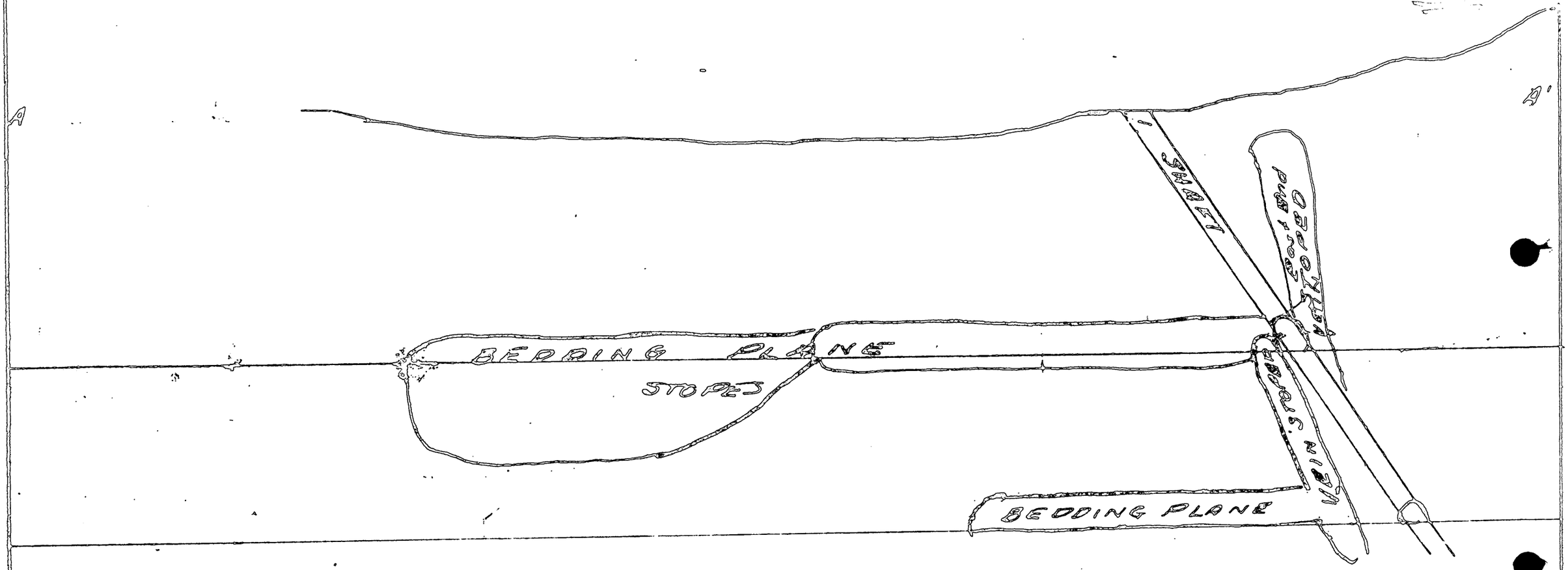
With regard to your request for a loan in the amount of $25,000.00, the proceeds of which were to be used for developing some mining property; we regret to inform you that at the present time we are unable to make loans of this type.

Sincerely yours,

Victor L. Rainey
Senior Vice President

VLR/vc

3a



SAVANNIC
~~SYLVANIA~~ MINE

SKETCH CROSS SECTION

Scale 1" = 20' Vertical & Horizontal
Elevations approximate

PROJECTION
BEDDING PLANE
130' N. of shaft

Mine workings projected.
Unfortunately no elevations
on survey. Area to north of
Shaft should be drilled.

OFFICIAL
COPY
O. M. E.
RECEIVED
SEP 23 1957
MATERIALS CODE

AMERICAN SMELTING AND REFINING COMPANY
HAYDEN ARIZONA PLANT

SHIPPER: M. WULFFENSTEIN. DATE: 4-16-62
ADDRESS: 98 DIAGONAL STR., ST. GEORGE, UTAH SMELTER LOT: 298
SHIPPING POINT: TRUCKED SHIPPERS LOT: 1
NAME OF MINE: VANDERBUILT CLAIMS #1-2-3 (SERVANIC MINE) CLASS OF MATERIAL: CRUDE
TERMS - CONTRACT SCHEDULE (Rates Subject to Change Without Notice) 203

DATE RECEIVED	CAR NUMBER	CAR INITIAL	WEIGHT GROSS	TARE	WET	% H_2O	DRY
4-6	45	ASR	74960	43100	31860	2.2	31159
		TOTAL			31860		31159

SETTLEMENT DATE 4-6-62

METAL QUOTATIONS	
Silver	1.015
Less	.015
Net	1.00
Copper	.30350
Less	.035
Net	.26850

ASSAY CONTENT PER TON	GOLD OUNCES	SILVER OUNCES		COPPER PERCENT
Smelter	—	1.54		17.12
Shipper				
Umpire				
Metallics				
Settle		1.54		17.12

ANALYSIS	INSOL %	SiO_2 %	FE %	MN %	CAO %	ZN %	S %	AL_2O_3 %	AS %	SB %	BI %
Smelter	58.9	57.6	1.0		2.7			4.4			

PAYMENT VALUE PER TON	PAY CONTENT	PRICE	AMOUNT
Gold			
Silver - Less 0.5 Oz. %	1.04	1.00	1.04
Copper - Less 8 Lbs. 5 %	317.68	.26850	85.30
Gross Value			86.34
Deductions			8.00
Freight Valuation			X X X
Net Value			78.34

FREIGHT VALUE
@ 15.5795

DEDUCTIONS	CHARGE	CREDIT
Base Charge (15.00)	6 00	
(Incl. Escolator Clauses)		
Additional Treatment	2 00	
Acc. Value Over		
SiO_2		
CaO		
Net Deductions	8 00	
= Per Wet Ton	CHARGE	CREDIT
Dry Tons		1,220 50

Less Freight On 15.9300	Wet Tons @ $	Per Ton	
" Weighing	Cars @	Per Car	
" Hauling			
" Representation	Umpires	Sampling	
" Royalty			
" Withheld Pending Return Of Silver Affidavit			
Toll Metals		Due Date	
		Balance Due Shipper	1,220 50

Checked: Correct: Approved: RSM

MME Form 7
(2/63)

OFFICIAL FILE COPY

Date	Surname	Code
6/19/68	Peterson	120
6/19/68	Kirkham	120
		110
		220

JUN 1 9 1968

AIRMAIL

Mrs. McMurrin Wulffenstein
98 Diagonal Street
St. George, Utah 84770

Re: OME-6660 (Copper)
McMurrin Wulffenstein
Savanic Mine
Mohave County, Arizona

Dear Mrs. Wulffenstein:

Thank you for returning our letter of June 10, 1968. We regret to learn about the passing of Mr. Wulffenstein.

Under the circumstances, we are considering the subject application as having been withdrawn and are placing it in our inactive files.

Sincerely yours,

FRANK E. JOHNSON

Frank E. Johnson
Chief, Office of
Minerals Exploration

cc: Director's Reading File
Economic Geology File
OME Docket
OME Reading File
Region III
Mr. Peterson

ECPeterson/bsl 6/19/68

MME Form 7
(2/63)

OFFICIAL FILE COPY

Date	Surname	Code
6/18/68	Peterson	120
6/18/68	Shiflemo	120
		110
		220

June 18, 1968

Memorandum

To: The File

From: Chief, Office of Minerals Exploration

Subject: OME-6660 (Copper)
McMurrin Wulffenstein
Savanic Mine
Mohave County, Arizona

The letter forwarded by this office to the Applicant, McMurrin Wulffenstein, on June 10, 1968, was returned by his wife who informed us that the Applicant had passed away on April 8. Accordingly, the docket is referred to the inactive file and the application considered as having been withdrawn.

Frank E. Johnson
Frank E. Johnson

cc: Director's Reading File
Economic Geology File
OME Docket
OME Reading File
OME Region III
Mr. Peterson

ECPeterson/bsl 6/18/68

Invest OMB 90

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WASHINGTON, D.C. 20242

OFFICIAL COPY
O. M. E.
RECEIVED
JUN 18 1968

INITIALS	CODE
	~~120~~
BLF	120 m
~~FB~~	~~142~~
	120 p

AIRMAIL

1 0 1968

Mr. McMurrin Wulffenstein
98 Diagonal Street
St. George, Utah 84770

Re: OME-6660 (Copper)
McMurrin Wulffenstein
Savanic Mine
Mohave County, Arizona

Dear Mr. Wulffenstein:

We have not heard from you since your letter of March 29, 1968. Will you please advise us when we may expect to receive the necessary data so that we may continue processing your application.

We wish to cooperate fully in allowing you ample time to obtain the requested information, however, we cannot indefinitely postpone action on an application. Therefore, if we do not receive a reply from you within thirty days from the date of this letter, we must assume that you are no longer interested in proceeding with your application and we shall consider it as having been withdrawn.

Sincerely yours,

Frank E. Johnson

Frank E. Johnson
Chief, Office of
Minerals Exploration

June 11, 1968

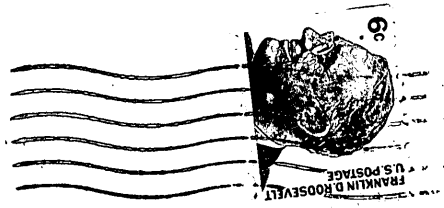
Dear Mr. Johnson —
Mr. Wulffenstein passed away April the 8th 1968 Therefore, there will be no further data. Thank you for the letter

Respectfully,
Mrs. Wulffenstein

AFTER FIVE DAYS RETURN TO

Mrs. M. Wulffenstein
98 Diagonal St
St. George, Utah 84770
ZIP CODE

ST. GEORGE, UT
JUN 12
PM
1968
84770



U.S. Department of Interior
US Geological Survey
Washington, D.C.
20242

MME Form 7
(2/63)

OFFICIAL FILE COPY

Date	Surname	Code
6/10/68	Peters	120
6/10/68	Mishemo	120
		110
6/10	CAC	220
		120M

JUN 10 1968

AIRMAIL

Mr. McMurrin Wulffenstein
98 Diagonal Street
St. George, Utah 84770

Re: OME-6660 (Copper)
McMurrin Wulffenstein
Savanic Mine
Mohave County, Arizona

Dear Mr. Wulffenstein:

We have not heard from you since your letter of March 29, 1968. Will you please advise us when we may expect to receive the necessary data so that we may continue processing your application.

We wish to cooperate fully in allowing you ample time to obtain the requested information, however, we cannot indefinitely postpone action on an application. Therefore, if we do not receive a reply from you within thirty days from the date of this letter, we must assume that you are no longer interested in proceeding with your application and we shall consider it as having been withdrawn.

Sincerely yours,

FRANK E. JOHNSON

Frank E. Johnson
Chief, Office of
Minerals Exploration

cc: Director's Reading File
Economic Geology File
OME Docket
OME Reading File
Region III
Mr. Peterson

ECPeterson/bsl 6/10/68

MME Form 7
(2/63)

OFFICIAL FILE COPY

Date	Surname	Code
4/12/68	Peterson	120
"	Kikemo	120
		110
4/15	CSC	220
		120M

APR 12 1968

AIRMAIL

Mr. McMurrin Wulffenstein
98 Diagonal Street
St. George, Utah 84770

Re: OME-6660 (Copper)
McMurrin Wulffenstein
Savanic Mine
Mohave County, Arizona

Dear Mr. Wulffenstein:

This will acknowledge receipt of your letter of March 29 and the enclosed mine map.

We regret that we cannot comply with the request to furnish you with a copy of the material submitted with the former application of Mr. Mark Holmes (OME-6123). This information can be released only upon receipt of written authorization from Mr. Holmes. Actually, other than the geological report by William E. deCarbonel, the application included little technical data which would add support to the current proposal. As deCarbonel's report was originally prepared for you, we assume that copies have been retained in your possession.

We shall be pleased to keep your file active for a reasonable period of time pending receipt of the additional information mentioned in your letter.

Sincerely yours,

FRANK E. JOHNSON

Frank E. Johnson
Chief, Office of
Minerals Exploration

cc: Director's Reading File
Division File
Economic Geology File
OME File
OME Reading File
Mr. Peterson
Region III w/cy of incoming ltr. dtd 3/29/68 and map

ECPeterson/bsl 4/12/68

Copy to Region

98 Diagonal Street
St. George, Utah 84770
March 29, 1968

OFFICIAL COPY
O. M. E.
RECEIVED
APR. 5 1968

INITIALS	CODE
	130
	120
	110
	120

U. S. Dept of The Interior
Geological Survey
Office of Minerals Exploration

Attn: Mr. Frank E. Johnson, Chief

Re: OME 6660 (Copper)
McMurrin Wulffenstein
Savanic Mine
Mojave County, Arizona

Dear Sir:

As per your letter dated Oct. 27, 1967, we will try to supply the information needed to process this application.

As we have explained in past letters, the target area we are planning to explore are under and westerly from any mining operation that may have been done in the past.
Our only reason for wanting to use the old air way on the southwest edge of the present diggings was to save the cost of a new complete shaft.

Since the prepossed target area will be explored by means of drilling out from the propossed new shaft at various levels below the present workings, you could say that we would be exploring all areas north, east, south and west under the present diggings.

We are preparing a map and indicating the surface showings and boundries of the claims, also we hope to have all the information compiled you have ask for necessary to complete this application in the near future.

It is our desire to open up a new field for development as we feel the main ore body is yet untouched, but without exploration we maybe longer finding out.

Upon completion of the above mentioned map and other information we will forward them to you for completion of this application. //

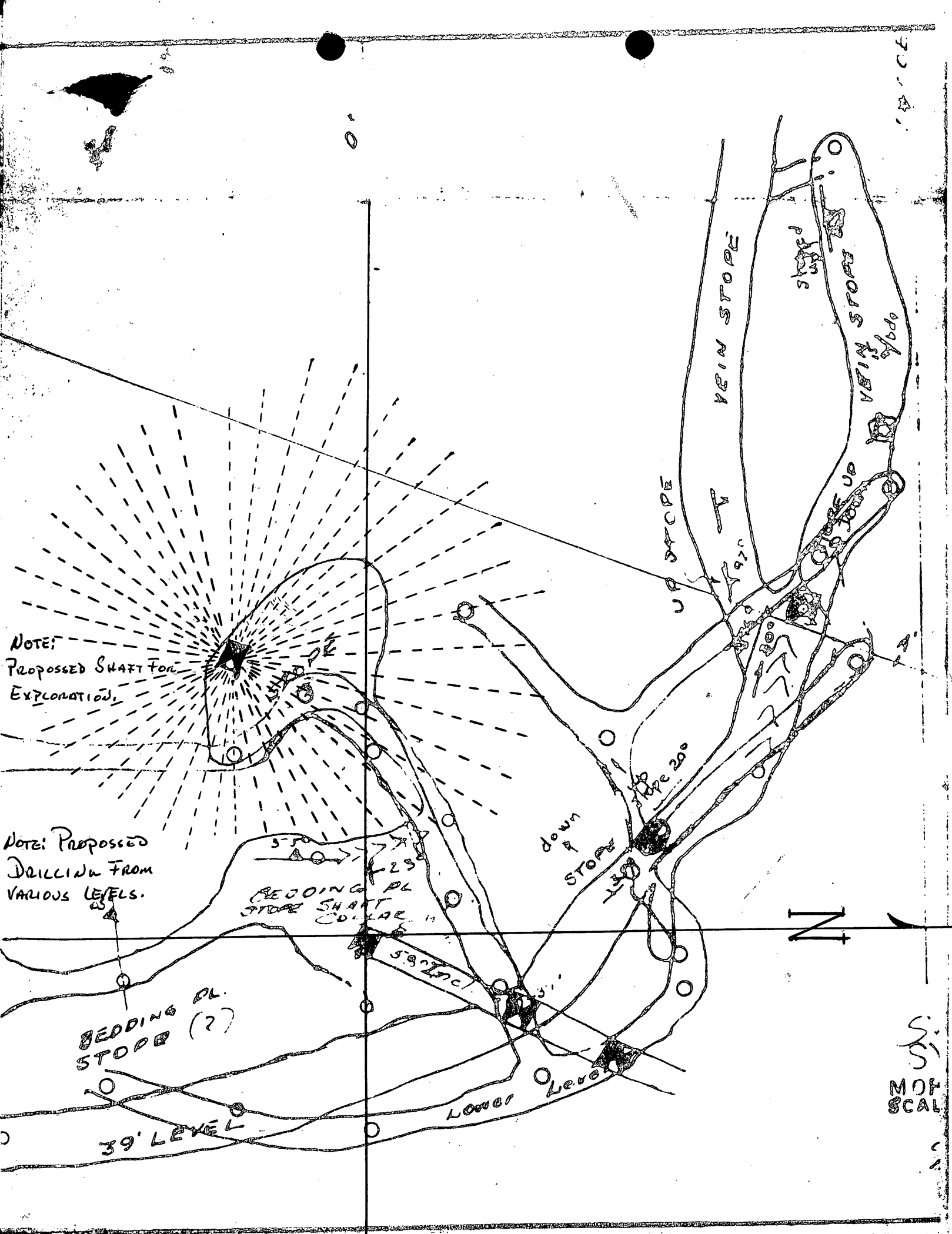
Could you please send a copy of the Mark Holmes application (Docket OME 6123). //?

We await your reply,

Yours Truly,

McMurrin Wulffenstein

McMurrin Wulffenstein
McMW/dip


NOTE:
PROPOSED SHAFT FOR
EXPLORATION.
NOTE: PROPOSED
DRILLING FROM
VARIOUS LEVELS.
BEDDING PL.
STOPE (?)
39' LEVEL
LOWER LEVEL
BEDDING PL
STOPE SHAFT
COLLAR
down
STOPE
MAIN STOPE
MAIN STOPE
UP STOPE
UP STOPE
A
A'
N

MME Form 7
(2/63)

OFFICIAL FILE COPY

Date	Surname	Code
3/5/68	Peterson	120
"	Kirkham	120
		110
3/5	call	220
		120M

AIRMAIL

MAR 5 1968

Mr. McMurrin Wulffenstein
98 Diagonal Street
St. George, Utah 84770

Re: OME-6660 (Copper)
McMurrin Wulffenstein
Savanic Mine
Mohave County, Arizona

Dear Mr. Wulffenstein:

This is to acknowledge your letter of February 27, 1968, relating to the proposed work at the subject mine.

As we have indicated, field examinations are made only after the information required to process an application has been received, and the data presented indicate that the proposal merits further information. To date we have not received any new information from you to justify an on-site examination of the property.

There is no misunderstanding as to the depth of the Savanic mine workings. Our information indicates that the property has been explored by numerous drifts and crosscuts, and several stopes on various levels above the 73-foot level. The 200-foot depth mentioned in our letter of October 27, 1967, was only in reference to the shaft reportedly sunk during previous work on the property.

We shall continue to hold your application pending receipt of the information previously requested; however, nothing in this letter should be construed as a commitment by the Government to grant an exploration contract.

Sincerely yours,

FRANK E. JOHNSON

Frank E. Johnson
Chief, Office of
Minerals Exploration

cc: Director's Reading File
Division File
Economic Geology File
OME File
OME Reading File
Mr. Peterson
Region III/cpy. of incoming ltr. dtd. 2/27/68

ECPeterson/bsl 3/5

98 Diagonal Street
St. George, Utah 84770
February, 27, 1968

U. S. Dept of The Interior
Geological Survey
Office of Minerals Exploration

Attn: Mr. Frank E. Johnson, Chief

Re: OME 6660 (Copper)
McMurrin Wulfenstein
Savanic Mine
Mojave, County, Arizona

MAR 4 1968

Dear Sir:

Todate there appears to be several misunderstandings as to what exactly is required to complete this application.

We feel that in the event you could have one of your field representatives meet with us and look over the property in question, we could give him a better overall picture of what we feel is an exploration venture rather than development.

As per your letter of October 27, 1967, there seems to be a misunderstanding as to the depth of the Savanic Mine. Your letter states that your record shows the mine to be 200 feet deep. However actual measurement shows this mine depth to be less than 80 feet vertical depth from the surface.

We noted in your letter dated February 8, 1968 that you stated your need for additional information before considering our application further. At present we do need additional time to prepare the necessary information requested for this application. We feel we can have all the necessary information completed within 30 days from this date.

We hope it will be possible to send a field officer out to look over this property with us.

Thank you for your attention to this matter.

Yours Truly,

McMurrin Wulffenstein

McMurrin Wulffenstein

MW/omh

Peterson 120
Kirkemo 120
110
Loc 220
120M

FEB 8 1968

AIRMAIL

Mr. McMurrin Wulffenstein
98 Diagonal Street
St. George, Utah 84770

Re: OME-6668 (Copper)
McMurrin Wulffenstein
Sawanic Mine
Mohave County, Arizona

Dear Mr. Wulffenstein:

We have not had a reply to our letter of January 8, 1968. If you require additional time to prepare the information previously requested, please let us know. If we do not receive a reply from you within thirty days from the date of this letter, we will assume that you are no longer interested in proceeding with your application and shall consider it as having been withdrawn.

Sincerely yours,

FRANK E. JOHNSON

Frank E. Johnson
Chief, Office of
Minerals Exploration

cc: Director's Reading File
Division File
Economic Geology File
OME File
OME Reading File
Mr. Peterson
Region III

ECPeterson/bsl 2/8/68

1/8/68 120 Peterson
" 0 On leave
110
1-8 220
120M

AIRMAIL

Mr. McMurrin Wulffenstein
98 Diagonal Street
St. George, Utah 84770

JAN 8 1968

Re: OME-6660 (Copper)
McMurrin Wulffenstein
Sarvanic Mine
Mohave County, Arizona

Dear Mr. Wulffenstein:

We have not had a reply to our letter of November 24, 1967. Will you please inform us of your plans regarding the application. If you have decided not to pursue it further, will you please so inform us.

Sincerely yours,

FRANK E. JOHNSON

Frank E. Johnson
Chief, Office of
Minerals Exploration

cc: Director's Reading File
Division File
Economic Geology File
OME File
OME Reading File
Mr. Peterson
R-III

ECPeterson/sbl 1/8/68

MME Form 7
(2/63)

OFFICIAL FILE COPY

Date	Surname	Code
11/24/67	Peterson	120
	(on leave)	120
		110
11/24	CAC	220
		120M

NOV 24 1967

AIRMAIL

Mr. McMurrin Wulffenstein
98 Diagonal Street
St. George, Utah 84770

Re: OME-6660 (Copper)
McMurrin Wulffenstein
Savanic Mine
Mohave County, Arizona

Dear Mr. Wulffenstein:

This will acknowledge your letter of November 13, 1967, relating to the proposed work at the Savanic mine.

As we have indicated, the proposal of testing for the continuation down dip of previously mined ore bodies only a short distance below the old workings is considered development rather than exploration and as such is not eligible for OME assistance. Unless you can submit information that indicates you wish to explore for new or untested ore bodies, we would have no alternative but to deny your request for exploration assistance.

Field examinations are made after the information requested on the back of the application form has been reviewed, and the data presented indicates that the proposal merits further consideration.

Sincerely yours,

FRANK E. JOHNSON (gla)

Frank E. Johnson
Chief, Office of
Minerals Exploration

cc: Director's Reading File
Division File
Economic Geology File
OME Docket
OME Reading File
Mr. Peterson
Region III w/cy incoming letter

ECPeterson/bsl 11/25/67

23263

98 Diagonal Street
St. George, Utah 84770
November 13, 1967

OFFICIAL COPY
O. M. E.
RECEIVED
NOV 20 1967

INITIALS	CODE
BJH	120
~~BJ~~	~~170~~
EP	~~120P~~

cy made for, P-III (file)

U. S. Department Of The Interior
Geological Survey
Office Of Minerals Exploration

Attention: Mr Frank E. Johnson, Chief

Re; OME-6660 (Copper)
McMurrin Wulffenstein
Savanic Mine
Mojave County, Arizona

Dear Mr. Johnson:

Your letter dated October 27, 1967 regarding subject application has indicated to me that some further explanation is required concerning the extent of the existing workings of the Savanic Mine.

Using an assumed datum of 1,000.00 feet as the elevation of the collar of the original incline shaft which is at an angle of 47 degrees more or less and has an incline distance of less than 60 feet to the bottom we find that the elevation of the bottom of the incline is 956.00

Two stations were cut in the incline- one at elevation 979.00 and the second and lowest at elevation 961.00.

All of the stoping whether bedding plane or the designated XXXX vein stopes at the east end of the mining area were between elevations 985.00 and 960.00.

The only map or sketch available is the result of a Brunton survey made in 1960 by D. Carbonel E. M, and the above elevations have been computed from the vague data contained therein.

The collar of the proposed vertical shaft will be at elevation 984.00 and the bottom of shaft will be at elevation 874.00 which is 86.0 feet below any existing workings.

It is proposed to drift in a northerly direction from the shaft at elevations 920.00 and 870.00 and drill some long holes by percussion drills to explore the area in several directions.

The available information indicates that the bedding planes wherever discernable are dipping gererally at about 28 degrees and in a N. 20 degrees W. direction.

Therefore, the most logical target area appears to be north and west of the existing workings but we most certainly do not preclude the possibility of ore bodies south of the proposed shaft and in due time such exploration will be undertaken but for the present the target area is north and west of the existing workings at a reasonable depth which will, in our estimation, do the most for the least amount of expenditure to confirm our geological theories.

The surface indications of mineralization and permeability of the bedding planes in the Supai Formation are considerably more north of the existing workings than south. This may be the result of the dip of the bedding planes or an indication of a fault zone south of the proposed shaft. In either event we believe our best target area is in the direction we are proposing.

Basically, it seems that the moot question is whether the proposed work is "exploration" or "development". or prospecting ? HK

We are sure that the submittal of minutiae you have requested will have no bearing on the answer to the above moot question, but we fully realize that such small details must be submitted before a loan application can be considered and we shall forward it at once should the project be designated as "exploration".

Because of the fact that we furnish 50% of the cash for the exploration and also contribute to the funds which defray the other 50% of the total cost, we are vitally interested in getting some action regardless of its significance.

An adverse decision by OME can only mean that we have to approach our fellow taxpayers from a different direction to accomplish our objective.

The foregoing is an attempt on our part to correct any misinformation you may have concerning our application.

The Savanic Mine has been a very shallow operation until the present time and we are convinced that exploration at more depth in the direction we have designated is our best chance to find good ore.

We certainly would welcome an on the spot examination by qualified members of your staff.

Very truly yours,

McMurrin Wulffenstein

McMurrin Wulffenstein

MME Form 7
(2/63)

OFFICIAL FILE COPY

Date	Surname	Code
10/27/67	Peterson	120
10/27/67	Kirkham	120
		110
10/27	CAC	220
		120M

AIRMAIL

OCT 27 1967

Mr. McMurrin Wulffenstein
98 Diagonal Street
St. George, Utah 84770

Re: OME-6660 (Copper)
McMurrin Wulffenstein
Savanic Mine
Mohave County, Arizona

Dear Mr. Wulffenstein:

We have noted the comments in your letter dated October 13, 1967, regarding the work proposed in your application for exploration assistance.

A review of the available information indicates that the Savanic property has already been explored by a reportedly 200-foot shaft, drifts and crosscuts on various levels, and a small number of stopes, and, as we previously indicated, unless you can present geologic evidence to indicate a new exploration target, we would be unable to participate in the costs of the proposed work.

We suggest that you review our letter of October 2 wherein we cite specific data needed to qualify your proposal for further consideration.

In addition to this information, you should clarify the statement why you expect the bedding planes north and west of the old stopes to contain favorable mineralization, but not in the areas south and east of the workings. The surface evidence you mention under items 3(f) and 5(a) of the narration should be described and shown on the map. Assay data of any samples taken from these showings should also be furnished.

We shall be pleased to consider your application further upon receipt of the required information; however, nothing in this letter should be construed as a commitment by the Government to grant an exploration contract.

Sincerely yours,

FRANK E. JOHNSON (gla)

Frank E. Johnson
Chief, Office of
Minerals Exploration

cc: Director's Reading File
Division File
Economic Geology File
OME Docket
OME Reading File
Mr. Peterson
OME Region III w/cy letr. 10/13/67

ECPeterson/bsl 10/25/67
Rewritten: FEJohnson/gla 10/27/67

23263

98 Diagonal Street
St. George, Utah 84770
October 13, 1967

OFFICIAL COPY
C. M.
RECEIVED
OCT 23 1967
INITIAL ... E
gla 1/3
BH 1/20 M
HK 1/20
EP 1/20 P

U. S. Department Of The Interior
Geological Survey

Attention: Mr. Frank E. Johnson, Chief
Office of Minerals Exploration

Re: OME-6660 (Copper)
McMurrin Wulffenstein
Savanic Mine
Mojave County, Arizona.

Dear Mr. Johnson:

I refer to your letter dated October 2, 1967 regarding subject application.

Section 301.2 of ChapterIII Title 30 MINERAL RESOURCES states -

> "Exploration means the search, including related develop-work, for new or unexplored mineral deposits within a specified area or parcel of ground where geologic conditions favor their occurance" ------ "The work shall not go beyond a reasonable delineation and sampling of a mineral deposit and shall not be conducted primarily for mining or preparation for mining".

We considered the various methods of prospecting or "searching" for ore deposits in the Supai Formation on the Vanderbilt claims and decided that surface drilling would be too expensive for the participants because of the high cost of drilling 200 -500 foot holes which would be necessary because of the terrain.

The mine-site of the Savanic Mine is situated on an area about 5 acres in size and bounded on the north, south, and east by acclivities having 45 degree slopes or more and on the west by a declivity with the same slope. The mine-site itself slopes at a 10% to 12% grade in a westerly direction.

We also considered driving a tunnel from the west boundary of the claims but the cost of tunnel site preparation on the slope plus the length of the tunnel to reach the objective of our search would be prohibitive considering the chances of success.

The final decision was to sink a shaft to a minimum depth of 110 feet and by means of a drift and some long-hole drilling to explore the target area.

The headframe and shaft must be in conformity with the regulations of The State of Arizona agency having jurisdiction over Workmens Industrial Insurance and we planned our prospecting to meet such regulations.

We do not believe that we are proposing to develop a "target Area". We are looking for ore at the cheapest possible cost consistent with safety for workmen and the economical interests of the parties involved in the exploration work and it's results.

If we knew beyond a reasonable doubt that the target area had an ore bodt to develop, money from other sources than taxpayers would be available.

It may be possible that if you can review your original review you may be able to realize our position and problems in the search for a high grade deposit of copper ore.— We hppe so.

Very truly yours,

McMurrin Wulffenstein

McMurrin Wulffenstein

MW/lg

OFFICIAL FILE COPY

Date	Surname	Code
9/29	Peterson	120
10/2/67	Kilbourne	120
		110
10/2	cal	220
10/2	Sfr	120M

Mr. Meltzerin Wulffenstein
98 Diagonal Street
St. George, Utah 84770

Re: OMX-6660 (Copper)
Meltzerin Wulffenstein
Sevenmile Mine
Mohave County, Arizona

Dear Mr. Wulffenstein:

A review of your application for financial assistance in exploring the Sevenmile Mine for copper indicates that the proposed project is not eligible under the OMX regulations that govern the program. The OMX program is limited to exploration and excludes development. The distinction as defined by our regulations is that exploration is the search for new or unexplored ore bodies by testing a specific target in a specific locality, whereas development is the preparation work that is necessary before mining can be started.

Your proposal is essentially the same as that submitted by Mr. Mark Holmes in 1961 (Docket OMX 6123). A review of the application at that time, indicated the proposed work to be development and the proposal was subsequently denied. Consequently, unless you can submit information that indicates new target areas for exploration, we have no choice but to deny your application for the same reason.

If an exploration project is proposed, you will also have to furnish the following additional information to complete the application. The proposed work should be described fully, indicating the geologic targets you wish to explore, and how you propose to explore them. Sample and assay data should be submitted to support your proposal. A map or sketch that correctly shows the amount and location of the proposed work and its relation to the target, to old workings, and to the claim boundaries is also required.

Although you have submitted copies of letters from two banks refusing to grant an exploration loan, it is also necessary for you to furnish copies of YOUR letters to the banks requesting such a loan.

Please note that your property would not qualify for 75 percent Government assistance in exploring for silver as 98.5 percent of the ore is in copper as indicated by the assay data on the settlement sheets. Copper is eligible for 50 percent assistance.

Submittal of information to qualify your application for further consideration should not be construed as a commitment by the Government to grant an exploration contract. We shall continue to hold your application until we have either received the necessary additional information to qualify your application for the OME assistance program, or been advised that you wish to withdraw the application.

Sincerely yours,

FRANK E. JOHNSON

Frank E. Johnson
Chief, Office of
Minerals Exploration

cc: Director's Reading File
Division File
Economic Geology File
OME Reading File
OME Region III
Mr. Peterson

ECPeterson/bsl 9-29-67

September 25, 1967

Mr. McMurrin Wulffenstein
98 Diagonal Street
St. George, Utah 84770

Subject: OME - 6660

Dear Mr. Wulffenstein:

Your application for exploration assistance, dated September 15, 1967, submitted to our office at Denver, Colorado, has been assigned Docket No. OME-6660.

Please identify all future correspondence relating to your application by this docket number.

Sincerely yours,

Frank E. Johnson
Chief, Office of
Minerals Exploration

Copy to Region III

GARFIELD SMELTING CO.

SALT LAKE CITY, UTAH. Oct. 22, 1912

COPY

BOUGHT OF Bronzell Mng. Co.

MINE LOT NO. 1 CLASS Crude REC'D

SAMPLED BY UOS ASSAYED SHIPPING POINT St. Thomas

QUOTATIONS OF 10-17-12 SILVER 63-1/2 COPPER Elec. 17.35

ASSAYS	GOLD OZ. PER TON	SILVER OZ. PER TON	COPPER PER CENT	INSOL. PER CENT	ZINC PER CENT	SULPHUR PER CENT	ARSENIC PER CENT	IRON PER CENT
GARFIELD SM. CO		1.05	35.85					
		1.30	36.45					
UMPIRE RHO		1.05	36.35					7.40
SETTLEMENT ASSAY	.01	1.05	36.35	17.50				

CAR INITIAL	NUMBER	WEIGHT

VALUES PER TON

GOLD	@		.63
SILVER %	@	63-1/2	104.99
COPPER, LESS 1.	@	2.97	105.62
17,625			
LESS TREATMENT			.50

TREATMENT

BASE

INSOLUBLE %@

ZINC %@

SULPHUR %@

ARSENIC %@

DEBIT

IRON %@

NET TREATMENT

WEIGHT OF LOT

WEIGHT OF SACKS 49680

WET WEIGHT 1192

LESS MOISTURE 2.4 %

DRY WEIGHT 48488

@ 105.12 PER TON 2548.53

FREIGHT ADVANCED, @ 7.25- 180.09

ADVANCES 18.42

SAMPLING 2.50 201.01

UMPIRE

ASSAYING

CORRECT

CHECKED

MB

NET PROCEEDS 2347.52

Form 235 1 31 16 50M TWG Co 35235

COPY

GARFIELD SMELTING CO.

SALT LAKE CITY, UTAH, Oct. 22, 1912

BOUGHT OF Bronzell Mng. Co.

MINE ..... LOT NO. 2 CLASS Crude REC'D .....

SAMPLED BY UOS ASSAYED ..... SHIPPING POINT St. Thomas

QUOTATIONS OF 10-17-12 SILVER 63-1/2 COPPER Elec. 17.35

ASSAYS	GOLD OZ. PER TON	SILVER OZ. PER TON	COPPER PER CENT	INSOL. PER CENT	ZINC PER CENT	SULPHUR PER CENT	ARSENIC PER CENT	IRON PER CENT
GARFIELD SM. CO.								
UMPIRE								
SETTLEMENT ASSAY	.01	1.80	14.65✓	14.00				32.30

CAR INITIAL	NUMBER	WEIGHT

VALUES PER TON			
GOLD	@		
SILVER ..... %	@	63-1/2	1.09
COPPER, LESS 1.	@	2.97	40.54
625✓			41.63
LESS TREATMENT			1.50

TREATMENT	
BASE	
INSOLUBLE ..... % @	
ZINC ..... % @	
SULPHUR ..... % @	
ARSENIC ..... % @	
DEBIT	
IRON ..... % @	
NET TREATMENT	

WEIGHT OF LOT	4430
WEIGHT OF 53 SACKS	70
WET WEIGHT	4360
LESS MOISTURE 2.1 %	92
DRY WEIGHT	4268✓

@ $	40.13	PER TON	85.64
FREIGHT ADVANCED @	7.25	16.06	
ADVANCES Returning sacks		.50	
SAMPLING		9.00	25.56
UMPIRE			
ASSAYING			

CORRECT .....

CHECKED .....

MB

Rates, except on contracts, subject to change without notice

NET PROCEEDS 60.08

Form 235 1 31 18 50M F W G Co 56235

COPY

GARFIELD SMELTING CO.

SALT LAKE CITY, UTAH. Oct. 22, 1912

BOUGHT OF Bronzell Mng. Co.

MINE ..... LOT NO. 3 CLASS Crude REC'D .....

SAMPLED BY UOS ASSAYED ..... SHIPPING POINT St. Thomas

QUOTATIONS OF 10-18-12 SILVER 63-5/8 COPPER Elec. 17.35

ASSAYS	GOLD OZ. PER TON	SILVER OZ. PER TON	COPPER PER CENT	INSOL. PER CENT	ZINC PER CENT	SULPHUR PER CENT	ARSENIC PER CENT	IRON PER CENT
GARFIELD SM. CO.								
UMPIRE								
SETTLEMENT ASSAY		.30	14.87	34.80				16.30

CAR INITIAL	NUMBER	WEIGHT

WEIGHT OF LOT .....

WEIGHT OF ..... SACKS .....

WET WEIGHT 8160

LESS MOISTURE 3.1% 252

VALUES PER TON			
GOLD	@		
SILVER	% @		
COPPER, LESS 1.	@	2.97	41.19
1,176			41.19
LESS TREATMENT			1.50

TREATMENT	
BASE	
INSOLUBLE % @	
ZINC % @	
SULPHUR % @	
ARSENIC % @	
DEBIT	
IRON % @	
NET TREATMENT	

DRY WEIGHT 7908 @ $ 39.69 PER TON 156.93

FREIGHT ADVANCED, @ 7.25 29.58

ADVANCES .....

SAMPLING 9.00 38.58

CORRECT ..... UMPIRE .....

CHECKED ..... ASSAYING .....

MB

Rates, except on contracts, subject to change without notice

NET PROCEEDS 118.35

Form 235 1 31 18 50M F W & Co 56235

COPY

GARFIELD SMELTING CO.

SALT LAKE CITY, UTAH. Nov. 13, 1912

BOUGHT OF Bronzell Mng. Co.

MINE ..... LOT NO. 4 CLASS Crude REC'D .....

SAMPLED BY UOS ASSAYED ..... SHIPPING POINT St. Thomas

QUOTATIONS OF 11-9-12 SILVER ..... COPPER Elec. 17.20

ASSAYS	GOLD OZ. PER TON	SILVER OZ. PER TON	COPPER PER CENT	INSOL. PER CENT	ZINC PER CENT	SULPHUR PER CENT	ARSENIC PER CENT	IRON PER CENT
GARFIELD SM. CO.								
UMPIRE								
SETTLEMENT ASSAY		.55	12.72	32.60				17.60

CAR INITIAL	NUMBER	WEIGHT

WEIGHT OF LOT .....

WEIGHT OF ..... SACKS .....

WET WEIGHT 54560

LESS MOISTURE 2.3 % 1254

VALUES PER TON		
GOLD ..... @		
SILVER ..... % @		
COPPER, LESS 1. @	2.94	34.46
6781		34.46
LESS TREATMENT		1.50

TREATMENT	
BASE	
INSOLUBLE ..... % @	
ZINC ..... % @	
SULPHUR ..... % @	
ARSENIC ..... % @	
DEBIT	
IRON ..... % @	
NET TREATMENT	

DRY WEIGHT 53306 @ $ 32.96 PER TON 878.48

FREIGHT ADVANCED, @ 5.25 143.22

ADVANCES

SAMPLING 19.64 152.86

CORRECT ..... UMPIRE .....

CHECKED ..... ASSAYING .....

MB

Rates, except on contracts, subject to change without notice

NET PROCEEDS 715.62

Form 235 1 31 18 50M PWGCo 8235

GARFIELD SMELTING CO.

COPY

SALT LAKE CITY, UTAH. Dec. 28, 1912

BOUGHT OF Bronzell Mng. Co.

MINE ..... LOT NO. 5 CLASS Crude REC'D .....

SAMPLED BY UOS ASSAYED ..... SHIPPING POINT St. Thomas

QUOTATIONS OF 12-21-12 SILVER 62-3/4 COPPER Elec. 17.375

ASSAYS	GOLD OZ. PER TON	SILVER OZ. PER TON	COPPER PER CENT	INSOL. PER CENT	ZINC PER CENT	SULPHUR PER CENT	ARSENIC PER CENT	IRON PER CENT
GARFIELD SM. CO.		.90	13.21					
		1.20	13.32					
UMPIRE Union		1.00	13.28					
SETTLEMENT ASSAY		1.00	13.28 ✓	34.80				15.60

CAR INITIAL	NUMBER	WEIGHT

WEIGHT OF LOT .....

WEIGHT OF ..... SACKS .....

WET WEIGHT 60180

LESS MOISTURE 3.0 % 1805

VALUES PER TON		
GOLD ..... @		
SILVER ..... % @	62-3/4	.60
COPPER, LESS 1 % @	2.975	36.53
7,752. ✓		37.13
LESS TREATMENT		1.50

TREATMENT	
BASE	
INSOLUBLE ..... % @	
ZINC ..... % @	
SULPHUR ..... % @	
ARSENIC ..... % @	
DEBIT	
IRON ..... % @	
NET TREATMENT	

DRY WEIGHT 58374 ✓ @ $ 35.63 PER TON 1039.93

FREIGHT ADVANCED, @ 5.25 157.97

ADVANCES

SAMPLING 21.05

CORRECT UMPIRE 2.50 181.52

CHECKED ASSAYING

MB

Rates, except on contracts, subject to change without notice

NET PROCEEDS 858.41

Form 235 1-31-18 50M. FW&Co. 235

GARFIELD SMELTING CO.

COPY

SALT LAKE CITY, UTAH, April 4, 1913

BOUGHT OF Bronzell Mng. Co. Coffee Mountain Silver Swift

MINE ..... LOT NO. 6 CLASS Crude REC'D .....

SAMPLED BY UOS ASSAYED ..... SHIPPING POINT St. Thomas

QUOTATIONS OF 1-24-13 SILVER ..... COPPER Elec. 16.30

ASSAYS	GOLD OZ. PER TON	SILVER OZ. PER TON	COPPER PER CENT	INSOL. PER CENT	ZINC PER CENT	SULPHUR PER CENT	ARSENIC PER CENT	IRON PER CENT
GARFIELD SM. CO.								
UMPIRE								
SETTLEMENT ASSAY		.49	13.22 ✓	36.50				15.00

CAR INITIAL	NUMBER	WEIGHT

WEIGHT OF LOT .....

WEIGHT OF ..... SACKS .....

WET WEIGHT 63820

LESS MOISTURE 3.8 % 2426

VALUES PER TON		
GOLD ..... @		
SILVER ..... % @		
COPPER, LESS 1.0 @	2.76	33.13
8,116		33.13
LESS TREATMENT		1.50

TREATMENT	
BASE	
INSOLUBLE ..... % @	
ZINC ..... % @	
SULPHUR ..... % @	
ARSENIC ..... % @	
DEBIT	
IRON ..... % @	
NET TREATMENT	

DRY WEIGHT 61394 ✓ @ $ 32.23 PER TON 989.36

FREIGHT ADVANCED, @ 5.25 167.53

ADVANCES

SAMPLING 21.96 189.49

CORRECT ..... UMPIRE .....

CHECKED ..... ASSAYING .....

MR

Rates, except on contracts, subject to change without notice

NET PROCEEDS 799.87

Form 235 1 31 18 50M

GARFIELD SMELTING CO.

COPY

SALT LAKE CITY, UTAH, Mar. 1, 1913

BOUGHT OF Bronzell Mng. Co.

MINE ..... LOT NO. 7 CLASS Crude REC'D .....

SAMPLED BY UOS ASSAYED ..... SHIPPING POINT St. Thomas

QUOTATIONS OF 2-25-13 SILVER 60-3/4 COPPER Elec. 14.45

ASSAYS	GOLD OZ. PER TON	SILVER OZ. PER TON	COPPER PER CENT	INSOL. PER CENT	ZINC PER CENT	SULPHUR PER CENT	ARSENIC PER CENT	IRON PER CENT
GARFIELD SM. CO.			26.07					9.80
			26.33					11.20
UMPIRE JWC			26.36					10.20
SETTLEMENT ASSAY		1.00 ✓	26.33 ✓	22.10				9.80

CAR INITIAL	NUMBER	WEIGHT

VALUES PER TON		
GOLD ..... @		
SILVER ..... % @	60-3/4	.58
COPPER, LESS 1. @	2.39	60.54
12,158 ✓		61.12
LESS TREATMENT		1.50

TREATMENT	
BASE	
INSOLUBLE ..... % @	
ZINC ..... % @	
SULPHUR ..... % @	
ARSENIC ..... % @	
DEBIT	
IRON ..... % @	
NET TREATMENT	

WEIGHT OF LOT .....

WEIGHT OF ..... SACKS .....

WET WEIGHT 47120

LESS MOISTURE 2.0 % 942

DRY WEIGHT 46178 ✓ @ $ 59.62 PER TON 1376.57

FREIGHT ADVANCED, @ 6.50 141.36

ADVANCES .....

SAMPLING 17.78

UMPIRE 2.00 161.14

CORRECT .....

CHECKED .....

ASSAYING .....

NB Rates, except on contracts, subject to change without notice

NET PROCEEDS 1215.43

Form 235 1-31-18 50M F.W.G.Co. 36235

COPY

GARFIELD SMELTING CO.

SALT LAKE CITY, UTAH, Mar. 1, 1913

BOUGHT OF Bronzell Mng. Co.

MINE ..... LOT NO. 8 CLASS Crude REC'D

SAMPLED BY UOS ASSAYED ..... SHIPPING POINT St. Thomas

QUOTATIONS OF 2-25-13 SILVER ..... COPPER Elec. 14.45

ASSAYS	GOLD OZ. PER TON	SILVER OZ. PER TON	COPPER PER CENT	INSOL. PER CENT	ZINC PER CENT	SULPHUR PER CENT	ARSENIC PER CENT	IRON PER CENT
GARFIELD SM. CO.								
UMPIRE								
SETTLEMENT ASSAY		4.00	10.97	42.50				14.20

CAR INITIAL	NUMBER	WEIGHT

WEIGHT OF LOT

WEIGHT OF ..... SACKS

WET WEIGHT 23060

LESS MOISTURE 5.4 % 1246

VALUES PER TON		
GOLD @		
SILVER % @		
COPPER, LESS 1. @ 2.39		23.83
2,393		23.83
LESS TREATMENT		1.75

TREATMENT	
BASE	1.50
INSOLUBLE % @	.25
ZINC % @	
SULPHUR % @	
ARSENIC % @	
DEBIT	
IRON % @	
NET TREATMENT	1.75

DRY WEIGHT 21814 @ $ 22.08 PER TON 240.83

FREIGHT ADVANCED, @ 6.00 69.18

ADVANCES

SAMPLING 11.77 80.95

CORRECT UMPIRE

CHECKED ASSAYING

MB

Rates, except on contracts, subject to change without notice

NET PROCEEDS 159.88

Form 235 31 18 50M F W 6 Co 96235

COPY

GARFIELD SMELTING CO.

SALT LAKE CITY, UTAH, April 14, 1913

BOUGHT OF Bronzell Mng. Co.

MINE ..... LOT NO. 9 CLASS Crude REC'D .....

SAMPLED BY UOS ASSAYED ..... SHIPPING POINT St. Thomas

QUOTATIONS OF 4-9-13 SILVER ..... COPPER Elec. 15.075

ASSAYS	GOLD OZ. PER TON	SILVER OZ. PER TON	COPPER PER CENT	INSOL. PER CENT	ZINC PER CENT	SULPHUR PER CENT	ARSENIC PER CENT	IRON PER CENT
GARFIELD SM. CO.			17.35					
			17.88					
UMPIRE Union			17.59					
SETTLEMENT ASSAY		.50	17.59 ✓	30.00				11.40

CAR INITIAL	NUMBER	WEIGHT

VALUES PER TON		
GOLD @		
SILVER % @		
COPPER, LESS 1. @ 2.515		41.72
13,528 ✓		41.72
LESS TREATMENT		1.50

TREATMENT	
BASE	
INSOLUBLE % @	
ZINC % @	
SULPHUR % @	
ARSENIC % @	
DEBIT	
IRON % @	
NET TREATMENT	

WEIGHT OF LOT .....

WEIGHT OF ..... SACKS .....

WET WEIGHT 78000

LESS MOISTURE 1.4 % 1092

DRY WEIGHT 76908 ✓ @ $ 40.22 PER TON 1546.62

FREIGHT ADVANCED @ 5.25 204.75

ADVANCES .....

SAMPLING 25.50

UMPIRE 3.00 233.25

CORRECT .....

CHECKED ..... ASSAYING .....

MB

Rates, except on contracts, subject to change without notice

NET PROCEEDS 1313.37

Form 235 31 18 50M F W & Co 56235

GARFIELD SMELTING CO.

COPY

SALT LAKE CITY, UTAH May 19, 1913

BOUGHT OF Bronzell Mng. Co.

MINE ..... LOT NO. 10 CLASS Crude REC'D .....

SAMPLED BY UOS ASSAYED ..... SHIPPING POINT St. Thomas

QUOTATIONS OF 5-9-13 SILVER ..... COPPER Elec. 15.25

ASSAYS	GOLD OZ. PER TON	SILVER OZ. PER TON	COPPER PER CENT	INSOL. PER CENT	ZINC PER CENT	SULPHUR PER CENT	ARSENIC PER CENT	IRON PER CENT
GARFIELD SM. CO.								
UMPIRE								
SETTLEMENT ASSAY		.40	13.62	35.00				14.20

CAR INITIAL	NUMBER	WEIGHT

WEIGHT OF LOT .....

WEIGHT OF ..... SACKS .....

WET WEIGHT 72980

LESS MOISTURE 4.2 % 3066

VALUES PER TON		
GOLD ..... @		
SILVER ..... % @		
COPPER, LESS 1. @	2.55	32.18
9,522		32.18
LESS TREATMENT		1.50

TREATMENT	
BASE	
INSOLUBLE ..... % @	
ZINC ..... % @	
SULPHUR ..... % @	
ARSENIC ..... % @	
DEBIT	
IRON ..... % @	
NET TREATMENT	

DRY WEIGHT 69914 @ $ 30.68 PER TON 1072.48

FREIGHT ADVANCED, @ 4.50 164.21

ADVANCES

SAMPLING 24.25 188.46

CORRECT ..... UMPIRE .....

CHECKED ..... ASSAYING .....

MB

Rates, except on contracts, subject to change without notice

NET PROCEEDS 884.02

Form 235 31 18 50M F W G Co 96235

COPY

GARFIELD SMELTING CO.

SALT LAKE CITY, UTAH, June 24, 1913

BOUGHT OF Bronzell Mng. Co.

MINE

LOT NO. 11 CLASS Crude REC'D

SAMPLED BY UOS ASSAYED SHIPPING POINT St. Thomas

QUOTATIONS OF 6-21-13 SILVER COPPER Elec. 14.75

ASSAYS	GOLD OZ. PER TON	SILVER OZ. PER TON	COPPER PER CENT	INSOL. PER CENT	ZINC PER CENT	SULPHUR PER CENT	ARSENIC PER CENT	IRON PER CENT	CaO
GARFIELD SM. CO.									
UMPIRE									
SETTLEMENT ASSAY		.60	24.92	21.60				13.30	5.0

CAR INITIAL	NUMBER	WEIGHT

WEIGHT OF LOT

WEIGHT OF SACKS

WET WEIGHT 62320

LESS MOISTURE 4.3 % 2680

VALUES PER TON	
GOLD @	
SILVER % @	
COPPER, LESS 1. @ 2.45	58.60
14,862	58.60
LESS TREATMENT	1.50

TREATMENT	
BASE	
INSOLUBLE % @	
ZINC % @	
SULPHUR % @	
ARSENIC % @	
DEBIT	
IRON % @	
NET TREATMENT	

DRY WEIGHT 59640 @ $ 57.10 PER TON 1702.72

FREIGHT ADVANCED, @ 6.50 202.54

ADVANCES

SAMPLING 15.58 218.12

UMPIRE

ASSAYING

CORRECT

CHECKED

MB

Rates, except on contracts, subject to change without notice

NET PROCEEDS 1484.60

Form 235 31 18 50M F W 6 Co 96235

COPY

GARFIELD SMELTING CO.

SALT LAKE CITY, UTAH. July 30, 1913

BOUGHT OF Bronzell Mng. Co.

MINE ..... LOT NO. 12 CLASS Crude REC'D .....

SAMPLED BY UOS ASSAYED ..... SHIPPING POINT St. Thomas

QUOTATIONS OF 7-25-13 SILVER ..... COPPER Elec. 13.775

ASSAYS	GOLD OZ. PER TON	SILVER OZ. PER TON	COPPER PER CENT	INSOL. PER CENT	ZINC PER CENT	SULPHUR PER CENT	ARSENIC PER CENT	IRON PER CENT
GARFIELD SM. CO.			22.39					
			22.52					
UMPIRE RHO			22.55					
SETTLEMENT ASSAY			22.52 ✓	19.80				13.60

CAR INITIAL	NUMBER	WEIGHT

VALUES PER TON		
GOLD ..... @		
SILVER ..... % ..... @		
COPPER, LESS 1.0 @ 2.255		48.53
10,834 ✓		48.53
LESS TREATMENT		1.50

TREATMENT	
BASE	1.50
INSOLUBLE ..... % @	
ZINC ..... % @	
SULPHUR ..... % @	
ARSENIC ..... % @	
DEBIT	
IRON ..... % @	
NET TREATMENT	1.50

WEIGHT OF LOT .....

WEIGHT OF ..... SACKS .....

WET WEIGHT 50480

LESS MOISTURE 4.7 % 2372

DRY WEIGHT 48108 ✓ @ $ 47.03 PER TON 1131.26

FREIGHT ADVANCED @ 6.50 164.06

ADVANCES .....

SAMPLING 24.62 188.68

CORRECT ..... UMPIRE .....

CHECKED ..... ASSAYING .....

MJ

Rates, except on contracts, subject to change without notice

NET PROCEEDS 942.58

Form 235 31 18 50M F W & Co 99235

COPY

GARFIELD SMELTING CO.

SALT LAKE CITY, UTAH. Sept. 5, 1913

BOUGHT OF Bronzell Mng. Co.

MINE ..... LOT NO. 13 CLASS Crude REC'D .....

SAMPLED BY UOS ASSAYED ..... SHIPPING POINT St. Thomas

QUOTATIONS OF 9-2-13 SILVER ..... COPPER Elec. 15.55

ASSAYS	GOLD OZ. PER TON	SILVER OZ. PER TON	COPPER PER CENT	INSOL. PER CENT	ZINC PER CENT	SULPHUR PER CENT	ARSENIC PER CENT	IRON PER CENT
GARFIELD SM. CO.			19.85					
			20.10					
UMPIRE JWC			20.00					
SETTLEMENT ASSAY		.55	20.00 ✓	23.00				16.20

CAR INITIAL	NUMBER	WEIGHT

VALUES PER TON			
GOLD	@		
SILVER	% @		
COPPER, LESS 1.	@	2.61	49.59
14,285 ✓			49.59
LESS TREATMENT			1.50

TREATMENT	
BASE	
INSOLUBLE % @	
ZINC % @	
SULPHUR % @	
ARSENIC % @	
DEBIT	
IRON % @	
NET TREATMENT	

WEIGHT OF LOT .....

WEIGHT OF ..... SACKS .....

WET WEIGHT 75660

LESS MOISTURE 5.6 % 4236

DRY WEIGHT 71424 ✓ @ $ 48.09 PER TON 1717.39

FREIGHT ADVANCED, @ 6.00 226.98

ADVANCES .....

SAMPLING 24.92 251.90

CORRECT ..... UMPIRE .....

CHECKED ..... ASSAYING .....

MB

Rates, except on contracts, subject to change without notice

NET PROCEEDS 1465.49

rm 235 31 18 50M F W & Co 96235

GARFIELD SMELTING CO.

COPY

SALT LAKE CITY, UTAH Oct. 7, 1913

BOUGHT OF Bronzell Mng. Co.

MINE ..... LOT NO. 14 CLASS Crude REC'D .....

SAMPLED BY UOS ASSAYED ..... SHIPPING POINT St. Thomas

QUOTATIONS OF 10-3-13 SILVER 61-5/8 COPPER Elec. 16.375

ASSAYS	GOLD OZ. PER TON	SILVER OZ. PER TON	COPPER PER CENT	INSOL. PER CENT	ZINC PER CENT	SULPHUR PER CENT	ARSENIC PER CENT	IRON PER CENT	CaO
GARFIELD SM. CO.			24.37						
			24.72						
UMPIRE Union			24.55						
SETTLEMENT ASSAY		1.65	24.55 ✓	17.50				15.80	5.7

CAR INITIAL	NUMBER	WEIGHT

VALUES PER TON			
GOLD		@	
SILVER	95 %	@ 61-5/8	.97
COPPER, LESS	1.	@ 2.775	65.35
18,522 ✓			66.32
LESS TREATMENT			1.50

TREATMENT	
BASE	
INSOLUBLE % @	
ZINC % @	
SULPHUR % @	
ARSENIC % @	
DEBIT	
IRON % @	
NET TREATMENT	

WEIGHT OF LOT .....

WEIGHT OF ..... SACKS 78100

WET WEIGHT .....

LESS MOISTURE 3.4 % 2655

DRY WEIGHT 75445 ✓ @ $ 64.82 PER TON 2445.17

FREIGHT ADVANCED, @ 6.75 263.59

ADVANCES

SAMPLING 25.53 289.12

UMPIRE

CORRECT .....

CHECKED .....

ASSAYING

NET PROCEEDS 2156.06

MB

Rates, except on contracts, subject to change without notice

Form 235 31-18 50M F W & Co 96235

COPY

GARFIELD SMELTING CO.

SALT LAKE CITY, UTAH. Dec. 19, 1913

BOUGHT OF Bronzell Mng. Co.

MINE ..... LOT NO. 15 CLASS Crude REC'D .....

SAMPLED BY UOS ASSAYED ..... SHIPPING POINT St. Thomas

QUOTATIONS OF 12-16-13 SILVER 57-5/8 COPPER Elec. 14.10

ASSAYS	GOLD OZ. PER TON	SILVER OZ. PER TON	COPPER PER CENT	INSOL. PER CENT	ZINC PER CENT	SULPHUR PER CENT	ARSENIC PER CENT	IRON PER CENT	CaO
GARFIELD SM. CO.			21.75						
			21.89						
UMPIRE RHO			21.97						
SETTLEMENT ASSAY		1.20	21.89	19.00				17.90	4.8

CAR INITIAL	NUMBER	WEIGHT

WEIGHT OF LOT .....

WEIGHT OF ..... SACKS .....

WET WEIGHT 69760

LESS MOISTURE 1.6 % 1116

DRY WEIGHT 68644

VALUES PER TON			
GOLD	@		
SILVER 95 %	@	57-5/8	.66
COPPER LESS 1.	@	2.32	48.46
15026			49.12
LESS TREATMENT			1.50

TREATMENT	
BASE	
INSOLUBLE ..... % @	
ZINC ..... % @	
SULPHUR ..... % @	
ARSENIC ..... % @	
DEBIT	
IRON ..... % @	
NET TREATMENT	

DRY WEIGHT 68644	@	47.62	PER TON	1634.41
	FREIGHT ADVANCED, @	6.00	209.28	
	ADVANCES			
	SAMPLING		24.44	233.72
CORRECT	UMPIRE			
CHECKED	ASSAYING			

MB

Rates, except on contracts, subject to change without notice

NET PROCEEDS 1400.69

Form 235 31 18 50M F W & Co 96235

COPY

GARFIELD SMELTING CO.

SALT LAKE CITY, UTAH. Mar. 3, 1914

BOUGHT OF Bronzell Mng. Co.

MINE ..... LOT NO. 16 CLASS Crude REC'D .....

SAMPLED BY UOS ASSAYED ..... SHIPPING POINT St. Thomas

QUOTATIONS OF 3-2-14 SILVER ..... COPPER Elec. 14.35

ASSAYS	GOLD OZ. PER TON	SILVER OZ. PER TON	COPPER PER CENT	INSOL. PER CENT	ZINC PER CENT	SULPHUR PER CENT	ARSENIC PER CENT	IRON PER CENT	CaO
GARFIELD SM. CO.									
UMPIRE									
SETTLEMENT ASSAY		.75	19.20 ✓	27.50				13.70	6.0

CAR INITIAL	NUMBER	WEIGHT
	9	

WEIGHT OF LOT .....

WEIGHT OF ..... SACKS .....

WET WEIGHT 64860

LESS MOISTURE 1.5 % 972

DRY WEIGHT 63888 ✓

VALUES PER TON

GOLD ..... @		
SILVER ..... % @		
COPPER, LESS 1. @ 2.37		43.13
72,266. ✓		43.13
LESS TREATMENT		1.50

TREATMENT

BASE	
INSOLUBLE ..... % @	
ZINC ..... % @	
SULPHUR ..... % @	
ARSENIC ..... % @	
DEBIT	
IRON ..... % @	
NET TREATMENT	

@ $	41.63	PER TON	1329.83
FREIGHT ADVANCED, @	6.00	194.58	
ADVANCES			
SAMPLING		22.22	216.80
UMPIRE			
ASSAYING			
NET PROCEEDS			1113.03

CORRECT .....

CHECKED .....

HB

Rates, except on contracts, subject to change without notice

Form 235 31 18 50M F W G Co 56235

COPY

GARFIELD SMELTING CO.

SALT LAKE CITY, UTAH. April 30, 1914

BOUGHT OF Bronzell Mng. Co.

MINE ..... LOT NO. 17 CLASS Crude REC'D .....

SAMPLED BY UOS ASSAYED ..... SHIPPING POINT St. Thomas

QUOTATIONS OF 4-29-14 SILVER 59 COPPER Elec. 14.05

ASSAYS	GOLD OZ. PER TON	SILVER OZ. PER TON	COPPER PER CENT	INSOL. PER CENT	ZINC PER CENT	SULPHUR PER CENT	ARSENIC PER CENT	IRON PER CENT.	CaO
GARFIELD SM. CO.									
UMPIRE									
SETTLEMENT ASSAY		1.30	18.83✓	18.00				17.80	7.2

CAR INITIAL	NUMBER	WEIGHT

VALUES PER TON			
GOLD		@	
SILVER	95 %	@ 59	.73
COPPER, LESS 1.		@ 2.31	41.19
13,025			41.92
LESS TREATMENT			1.50

TREATMENT	
BASE	
INSOLUBLE % @	
ZINC % @	
SULPHUR % @	
ARSENIC % @	
DEBIT	
IRON % @	
NET TREATMENT	

WEIGHT OF LOT .....

WEIGHT OF ..... SACKS .....

WET WEIGHT 71460

LESS MOISTURE 3.2 % 2286

DRY WEIGHT 69174✓ @ $ 40.42 PER TON 1398.01

FREIGHT ADVANCED, @ 5.25 187.58

ADVANCES

SAMPLING 23.87 211.45

CORRECT ..... UMPIRE .....

CHECKED ..... ASSAYING .....

MB

Rates, except on contracts, subject to change without notice

NET PROCEEDS 1186.56

Form 235 31 18 50M F W B Co 96235

GARFIELD SMELTING CO.

COPY

SALT LAKE CITY, UTAH. June 1, 1914

BOUGHT OF Bronzell Mng. Co.

MINE ..... LOT NO. 18 CLASS Crude REC'D .....

SAMPLED BY UOS ASSAYED ..... SHIPPING POINT St. Thomas

QUOTATIONS OF 5-28-14 SILVER ..... COPPER Elec. 14.075

ASSAYS	GOLD OZ. PER TON	SILVER OZ. PER TON	COPPER PER CENT	INSOL. PER CENT	ZINC PER CENT	SULPHUR PER CENT	ARSENIC PER CENT	IRON PER CENT	CaO
GARFIELD SM. CO.			19.72						
			19.96						
UMPIRE JWC			20.00						
SETTLEMENT ASSAY		.65	19.95 ✓	24.10				16.00	5.0

CAR INITIAL	NUMBER	WEIGHT

VALUES PER TON

GOLD ..... @		
SILVER ..... % ..... @		
COPPER, LESS 1. @	2.315	43.89
16.053		43.89
LESS TREATMENT		1.50

TREATMENT

BASE	
INSOLUBLE ..... % @	
ZINC ..... % @	
SULPHUR ..... % @	
ARSENIC ..... % @	
DEBIT	
IRON ..... % @	
NET TREATMENT	

WEIGHT OF LOT .....

WEIGHT OF ..... SACKS .....

WET WEIGHT 56480

LESS MOISTURE 1.9 % 1074

DRY WEIGHT 55406 ✓ @ $ 42.39 PER TON 1174.33

FREIGHT ADVANCED, @ 6.00 169.44

ADVANCES .....

SAMPLING 20.12 189.56

CORRECT ..... UMPIRE .....

CHECKED ..... ASSAYING .....

MB

Rates, except on contracts, subject to change without notice

NET PROCEEDS 984.77

Form 235 31 18 50M F W & Co 96235

GARFIELD SMELTING CO.

COPY

SALT LAKE CITY, UTAH. July 7, 1914

BOUGHT OF Bronzell Mng. Co.

MINE ..... LOT NO. 19 CLASS Crude REC'D .....

SAMPLED BY UOS ASSAYED ..... SHIPPING POINT St. Thomas

QUOTATIONS OF 7-3-14 SILVER ..... COPPER Elec. 13.50

ASSAYS	GOLD OZ. PER TON	SILVER OZ. PER TON	COPPER PER CENT	INSOL. PER CENT	ZINC PER CENT	SULPHUR PER CENT	ARSENIC PER CENT	IRON PER CENT	CaO
GARFIELD SM. CO.									
UMPIRE									
SETTLEMENT ASSAY		.70	20.50 ✓	18.50				18.80	5.0

CAR INITIAL	NUMBER	WEIGHT

VALUES PER TON		
GOLD @		
SILVER % @		
COPPER, LESS 1. @	2.25	43.88
13,488 ✓		43.88
LESS TREATMENT		1.50

TREATMENT	
BASE	
INSOLUBLE % @	
ZINC % @	
SULPHUR % @	
ARSENIC % @	
DEBIT	
IRON % @	
NET TREATMENT	

WEIGHT OF LOT .....

WEIGHT OF ..... SACKS .....

WET WEIGHT 68040

LESS MOISTURE 3.3% 2246

DRY WEIGHT 65794 ✓ @ $ 42.38 PER TON 1394.17

FREIGHT ADVANCED @ 6.00 204.12

ADVANCES .....

SAMPLING 23.01 227.13

CORRECT ..... UMPIRE .....

CHECKED ..... ASSAYING .....

MB

Rates, except on contracts, subject to change without notice

NET PROCEEDS 1167.04

Form 235 7 29 14 15m 76620

GARFIELD SMELTING CO.

SALT LAKE CITY, UTAH, Oct-14-1914

BOUGHT OF Bronzell Mining Co

MINE ..... LOT NO. 20 CLASS Crude REC'D

SAMPLED BY U.O.S.Co ASSAYED ..... SHIPPING POINT

QUOTATIONS OF 10-12-14 SILVER 51¾ COPPER 10¢

ASSAYS	GOLD OZ. PER TON	SILVER OZ. PER OZ.	COPPER PER CENT	INSOL. PER CENT	ZINC PER CENT	SULPHUR PER CENT	ARSENIC PER CENT	IRON PER CENT	CaO
GARFIELD SM. CO.	.03	6.4	29.3	31.4				8.0	1.7
DO			29.62						
UMPIRE OGA			29.57						
SETTLEMENT ASSAY	.03	6.4	29.57 ✓	31.4				8.0	1.7

CAR INITIAL	NUMBER	WEIGHT

Provisional Settlement on copper
Subject to Adjustment.

WEIGHT OF LOT

WEIGHT OF ..... SACKS

WET WEIGHT 57440

LESS MOISTURE 3.0 % 1724

DRY WEIGHT 55716

VALUES PER TON			
GOLD	@	19.00	.57
SILVER 95 %	@	51¾	3.15
COPPER, LESS 2	@	1.55	44.28
16,475 ✓			48.00
LESS TREATMENT			1.50

TREATMENT	
BASE	
INSOLUBLE	
ZINC	
SULPHUR	
ARSENIC	
DEBIT	
IRON	
NET TREATMENT	

@ $ 46.50 PER TON 1295.40

FREIGHT ADVANCED, @ 6.00 172.32

ADVANCES

SAMPLING 20.36 192.68

UMPIRE

ASSAYING

CORRECT

CHECKED

NET PROCEEDS 1102.72

Form 235 7 29 14 15m 76620

GARFIELD SMELTING CO.

SALT LAKE CITY, UTAH. Nov-20-1914

BOUGHT OF Bronzell Mining Co (Correction account final adjustment on copper)

MINE ..... LOT No. 20 ..... CLASS Crude ..... REC'D .....

SAMPLED BY U.O.S.Co ..... ASSAYED ..... SHIPPING POINT .....

QUOTATIONS OF ..... SILVER ..... COPPER .111

ASSAYS	GOLD OZ. PER TON	SILVER OZ. PER OZ.	COPPER PER CENT	INSOL. PER CENT	ZINC PER CENT	SULPHUR PER CENT	ARSENIC PER CENT	IRON PER CENT
GARFIELD SM. CO.								
UMPIRE								
SETTLEMENT ASSAY			29.57					

CAR INITIAL	NUMBER	WEIGHT

VALUES PER TON

GOLD ..... @		
SILVER ..... % ..... @		
COPPER LESS 1. @ .22		6.29
16,475		6.29
LESS TREATMENT		

TREATMENT

BASE	
INSOLUBLE	
ZINC	
SULPHUR	
ARSENIC	
DEBIT	
IRON	
NET TREATMENT	

WEIGHT OF LOT .....

WEIGHT OF ..... SACKS .....

WET WEIGHT 57440

LESS MOISTURE 3.0 % 1724

DRY WEIGHT 55716

Corrected Total $ 52.79 PER TON 1470.62

FREIGHT ADVANCED, @ 6.50 186.68

ADVANCES .....

SAMPLING 20.36 207.04

UMPIRE .....

ASSAYING 1263.58

Ampunt Paid 1102.72

NET PROCEEDS

Due-----160.86

CORRECT .....

CHECKED .....

Form 235 31 18 50M F W G Co 96235

GARFIELD SMELTING CO.

COPY

SALT LAKE CITY, UTAH, Nov. 20, 1914

BOUGHT OF Bronzell Mng. Co.

MINE ..... LOT NO. 21 CLASS Crude REC'D .....

SAMPLED BY UOS ASSAYED ..... SHIPPING POINT St. Thomas

QUOTATIONS OF 10-12-14 SILVER 51-3/4 COPPER Elec. 11.10

ASSAYS	GOLD OZ. PER TON	SILVER OZ. PER TON	COPPER PER CENT	INSOL. PER CENT	ZINC PER CENT	SULPHUR PER CENT	ARSENIC PER CENT	IRON PER CENT	CaO
GARFIELD SM. CO.									
UMPIRE									
SETTLEMENT ASSAY	.01	.60	22.50	16.20				19.00	5.7

AR INITIAL	NUMBER	WEIGHT

VALUES PER TON

GOLD @		
SILVER % @		
COPPER, LESS 1. @ 1.77		38.06
15,310#		38.06
LESS TREATMENT		1.50

TREATMENT

BASE	
INSOLUBLE % @	
ZINC % @	
SULPHUR % @	
ARSENIC % @	
DEBIT	
IRON % @	
NET TREATMENT	

WEIGHT OF LOT .....

WEIGHT OF ..... SACKS .....

NET WEIGHT 70220

LESS MOISTURE 3.1 % 2176

DRY WEIGHT 68044 @ $ 36.56 PER TON 1243.84

FREIGHT ADVANCED, @ 5.25 184.33

ADVANCES

SAMPLING 23.56 207.89

CORRECT ..... UMPIRE .....

CHECKED ..... ASSAYING .....

MB

Rates, except on contracts, subject to change without notice

NET PROCEEDS 1035.95

Form 235 7 29 14 15m 76620

GARFIELD SMELTING CO.

SALT LAKE CITY, UTAH. Nov-20-1914

BOUGHT OF Bronzell Mining Co (Correction account final adjustment on copper)

MINE ..... LOT NO. 21 CLASS Crude REC'D .....

SAMPLED BY U.O.S.Co ASSAYED ..... SHIPPING POINT .....

QUOTATIONS OF ..... SILVER ..... COPPER .111

ASSAYS	GOLD OZ. PER TON	SILVER OZ. PER OZ.	COPPER PER CENT	INSOL. PER CENT	ZINC PER CENT	SULPHUR PER CENT	ARSENIC PER CENT	IRON PER CENT
GARFIELD SM. CO.								
UMPIRE								
SETTLEMENT ASSAY			22.50					

CAR INITIAL	NUMBER	WEIGHT

WEIGHT OF LOT .....

WEIGHT OF ..... SACKS .....

WET WEIGHT 70220

LESS MOISTURE 3.1 % 2176

VALUES PER TON		
GOLD ..... @		
SILVER ..... % ..... @		
COPPER, LESS 1. @ .22		~~4.73~~
15,310		4.73
LESS TREATMENT		

TREATMENT	
BASE	
INSOLUBLE	
ZINC	
SULPHUR	
ARSENIC	
DEBIT	
IRON	
NET TREATMENT	

DRY WEIGHT 68044 @ 4.73 PER TON 160.92

FREIGHT ADVANCED, @ .....

ADVANCES .....

SAMPLING .....

UMPIRE .....

ASSAYING .....

CORRECT .....

CHECKED .....

NET PROCEEDS Due----- 160.92

Form 235 31-18 50M F-W G Co 96235

COPY

GARFIELD SMELTING CO.

SALT LAKE CITY, UTAH, Nov. 20, 1914

BOUGHT OF Bronzell Mng. Co.

MINE ..... LOT NO. 22 CLASS Crude REC'D .....

SAMPLED BY UOS ASSAYED ..... SHIPPING POINT St. Thomas

QUOTATIONS OF 10-17-14 SILVER ..... COPPER 11.10 Elec.

ASSAYS	GOLD OZ. PER TON	SILVER OZ. PER TON	COPPER PER CENT	INSOL. PER CENT	ZINC PER CENT	SULPHUR PER CENT	ARSENIC PER CENT	IRON PER CENT	CaO
GARFIELD SM. CO.									
UMPIRE									
SETTLEMENT ASSAY		.90	23.46	19.20				16.40	5.0

CAR INITIAL	NUMBER	WEIGHT

VALUES PER TON		
GOLD ..... @		
SILVER ..... % ..... @		
COPPER, LESS 1.0 @ 1.77		39.75
11.915		39.75
LESS TREATMENT		1.50

TREATMENT	
BASE	
INSOLUBLE ..... % @	
ZINC ..... % @	
SULPHUR ..... % @	
ARSENIC ..... % @	
DEBIT	
IRON ..... % @	
NET TREATMENT	

WEIGHT OF LOT .....

WEIGHT OF ..... SACKS .....

WET WEIGHT 52200

LESS MOISTURE 2.7 % 1410

DRY WEIGHT 50790 @ $ 38.25 PER TON 971.36

FREIGHT ADVANCED @ 5.25 137.03

ADVANCES

SAMPLING 19.05 156.08

CORRECT ..... UMPIRE .....

CHECKED ..... ASSAYING .....

MB

Rates, except on contracts, subject to change without notice

NET PROCEEDS 815.28

Form 236 7-29 14 15m 76620

GARFIELD SMELTING CO.

SALT LAKE CITY, UTAH Nov-20-1914

BOUGHT OF Bronzell Mining Co (Correction account final adjustment on copper)

MINE ..... LOT NO. 22 CLASS Crude REC'D .....

SAMPLED BY U.O.S.Co ASSAYED ..... SHIPPING POINT .....

QUOTATIONS OF ..... SILVER ..... COPPER .111

ASSAYS	GOLD OZ. PER TON	SILVER OZ. PER OZ.	COPPER PER CENT	INSOL. PER CENT	ZINC PER CENT	SULPHUR PER CENT	ARSENIC PER CENT	IRON PER CENT
GARFIELD SM. CO.								
UMPIRE								
SETTLEMENT ASSAY			23.46 ✓					

CAR INITIAL	NUMBER	WEIGHT

VALUES PER TON		
GOLD ..... @		
SILVER ..... % ..... @		
COPPER, LESS 1. @ .22	~~4.94~~	
11,915.	4.94	
LESS TREATMENT		

TREATMENT	
BASE	
INSOLUBLE	
ZINC	
SULPHUR	
ARSENIC	
DEBIT	
IRON	
NET TREATMENT	

WEIGHT OF LOT .....

WEIGHT OF ..... SACKS .....

WET WEIGHT 52200

LESS MOISTURE 2.7 % 1410

DRY WEIGHT 50790 ✓ @ $ 4.94 PER TON 125.45

FREIGHT ADVANCED, @ .....

ADVANCES .....

SAMPLING .....

CORRECT .....

CHECKED .....

UMPIRE .....

ASSAYING .....

NET PROCEEDS Due--- 125.45

Form 235 7 2-14 15m 76620

GARFIELD SMELTING CO.

SALT LAKE CITY, UTAH Dec-16-1924

BOUGHT OF Bronzell Mining Co

MINE ..... LOT NO. 23 CLASS Crude REC'D .....

SAMPLED BY U.O.S.Co ASSAYED ..... SHIPPING POINT .....

QUOTATIONS OF 12-7-14 SILVER 50-1/4 COPPER Elec.12725

ASSAYS	GOLD OZ. PER TON	SILVER OZ. PER OZ.	COPPER PER CENT	INSOL. PER CENT	ZINC PER CENT	SULPHUR PER CENT	ARSENIC PER CENT	IRON PER CENT	CaO
GARFIELD SM. CO.	.025	8.1	33.27	26.6				6.7	2.0
Mine	.03		33.65						
UMPIRE	.035		33.33						
SETTLEMENT ASSAY	.03	8.1	33.33 ✓	26.6				6.7	2.0

CAR INITIAL	NUMBER	WEIGHT

VALUES PER TON			
GOLD	@ 19.00	.57	
SILVER 98 %	@ 50-1/4	3.87	
COPPER, LESS 2.	@ 2.095	~~67.73~~	
22,886		72.17	
LESS TREATMENT		3.00	

TREATMENT	
BASE	
INSOLUBLE	
ZINC	
SULPHUR	
ARSENIC	
DEBIT	
IRON	
NET TREATMENT	

WEIGHT OF LOT .....

WEIGHT OF ..... SACKS .....

WET WEIGHT 67100

LESS MOISTURE 1.6 % 1074

DRY WEIGHT 66026 ✓ @ $ 71.17 PER TON 2349.54

FREIGHT ADVANCED, @ 6.75 226.46

ADVANCES .....

SAMPLING 22.78

UMPIRE 3.00 252.24

ASSAYING .....

CORRECT .....

CHECKED C

NET PROCEEDS 2097.30

orm 235 31 18 50M F W & Co 96235

COPY

GARFIELD SMELTING CO.

SALT LAKE CITY, UTAH, Feb. 12, 1915

BOUGHT OF Bronzell Mng. Co.

MINE ..... LOT NO. 24 CLASS Crude REC'D .....

SAMPLED BY UOS ASSAYED ..... SHIPPING POINT St. Thomas

QUOTATIONS OF 2-10-15 SILVER ..... COPPER Elec. 14.575

ASSAYS	GOLD OZ. PER TON	SILVER OZ. PER TON	COPPER PER CENT	INSOL. PER CENT	ZINC PER CENT	SULPHUR PER CENT	ARSENIC PER CENT	IRON PER CENT	CaO
GARFIELD SM. CO.		.90	18.68						
		1.00	18.93						
UMPIRE Union		.95	18.95						
SETTLEMENT ASSAY		.95	18.93 ✓	26.60				17.90	5.9

AR INITIAL	NUMBER	WEIGHT

VALUES PER TON

GOLD ..... @		
SILVER ..... % @		
COPPER, LESS 1. @ 2.465		44.20
7401		44.20
LESS TREATMENT		1.50

TREATMENT

BASE .....

INSOLUBLE ..... % @

ZINC ..... % @

SULPHUR ..... % @

ARSENIC ..... % @

DEBIT

IRON ..... % @

NET TREATMENT

VEIGHT OF LOT .....

VEIGHT OF ..... SACKS .....

VET WEIGHT 40100

ESS MOISTURE 2.5 % 1002

DRY WEIGHT 39098 ✓ @ $ 42.70 PER TON 834.74

FREIGHT ADVANCED, @ 6.00 120.30

ADVANCES

SAMPLING 15.03

UMPIRE 1.25 136.58

ASSAYING

CORRECT .....

CHECKED .....

MB

Rates, except on contracts, subject to change without notice

NET PROCEEDS 698.16

Form 235 3118 50M F W & Co SG235

COPY

GARFIELD SMELTING CO.

SALT LAKE CITY, UTAH, Mar. 27, 1915

BOUGHT OF Bronzell Mng. Co.

MINE ..... LOT NO. 25 CLASS Crude REC'D .....

SAMPLED BY UOS ASSAYED ..... SHIPPING POINT St. Thomas

QUOTATIONS OF 3-24-15 SILVER ..... COPPER Elec. 14.65

ASSAYS	GOLD OZ. PER TON	SILVER OZ. PER TON	COPPER PER CENT	INSOL. PER CENT	ZINC PER CENT	SULPHUR PER CENT	ARSENIC PER CENT	IRON PER CENT	CaO
GARFIELD SM. CO.			18.62						
			18.84						
UMPIRE RHO			18.72						
SETTLEMENT ASSAY		.65	18.72 ✓	18.7				22.00	5.4

CAR INITIAL	NUMBER	WEIGHT

VALUES PER TON

GOLD ..... @		
SILVER ..... % ..... @		
COPPER, LESS 1. @	2.48	43.95
8988		43.95
LESS TREATMENT		1.50

TREATMENT

BASE	
INSOLUBLE ..... % @	
ZINC ..... % @	
SULPHUR ..... % @	
ARSENIC ..... % @	
DEBIT	
IRON ..... % @	
NET TREATMENT	

WEIGHT OF LOT .....

WEIGHT OF ..... SACKS .....

WET WEIGHT 49600

LESS MOISTURE 3.2 % 1588

DRY WEIGHT 48012 ✓ @ $ 42.45 PER TON 1019.05

FREIGHT ADVANCED, @ 6.00 148.80

ADVANCES .....

SAMPLING 18.40

CORRECT ..... UMPIRE 3.00 170.20

CHECKED ..... ASSAYING .....

MB

Rates, except on contracts, subject to change without notice

NET PROCEEDS 848.85

Form 250 9 23 13 15m 71366

GARFIELD SMELTING CO.

SALT LAKE CITY, UTAH, April-30-1915

BOUGHT OF Bronzell Mining Co

MINE ..... LOT NO. 26 ..... CLASS Crude

SAMPLED BY U.O.S.Co ..... RECEIVED ..... ASSAYED .....

QUOTATIONS OF 4-23-15 ..... SILVER ..... COPPER Elec.1745

ASSAYS	GOLD OZ. PER TON	SILVER OZ. PER TON	COPPER PER CENT	INSOL. PER CENT	ZINC PER CENT	SULPHUR PER CENT	ARSENIC PER CENT	IRON PER CENT	CaO
GARFIELD SM. CO.									
Thos		.75	24.59						
UMPIRE									
SETTLEMENT ASSAY		.55	24.95 ✓	15.6				17.8	5.7

AR INITIAL	NUMBER	WEIGHT

VALUES PER TON		
GOLD ..... @		
SILVER ..... % ..... @		
COPPER, LESS 1 @ 3.04		72.81
13105		72.81
LESS TREATMENT		1.50

TREATMENT	
BASE	
INSOLUBLE	
ZINC	
SULPHUR	
ARSENIC	
DEBIT	
IRON	
NET TREATMENT	

WEIGHT OF LOT .....

LESS WEIGHT OF ..... SACKS .....

WET WEIGHT 54040

LESS MOISTURE 2.8 % 1514

DRY WEIGHT ..... 52526 ✓ ..... @ $ 71.81 PER TON = $ 1872.81

FREIGHT ADVANCED, @ 6.75 ..... 182.59

ADVANCES .....

SAMPLING ..... 18.51 ..... 200.90

CORRECT ..... UMPIRE .....

CHECKED ..... ASSAYING .....

NET PROCEEDS 1671.91

Form 235 7 29 14 15m 73620

GARFIELD SMELTING CO.

SALT LAKE CITY, UTAH, June-10-1915

BOUGHT OF Bronzell Mining Company

MINE ..... LOT NO. 27 CLASS Crude REC'D .....

SAMPLED BY U.O.S.Co ASSAYED ..... SHIPPING POINT .....

QUOTATIONS OF 6-8-15 SILVER 49-1/2 COPPER Elec.1855

ASSAYS	GOLD OZ. PER TON	SILVER OZ. PER OZ.	COPPER PER CENT	INSOL. PER CENT	ZINC PER CENT	SULPHUR PER CENT	ARSENIC PER CENT	IRON PER CENT	
GARFIELD SM. CO.									
UMPIRE		—							
SETTLEMENT ASSAY		.65	19.95 ✓	19.0				18.5	6.8

CAR INITIAL	NUMBER	WEIGHT

WEIGHT OF LOT .....

WEIGHT OF ..... SACKS —

WET WEIGHT 55360

LESS MOISTURE 3.8 % 2104

DRY WEIGHT 53256 ✓

VALUES PER TON		
GOLD ..... @		
SILVER ..... % ..... @		
COPPER, LESS 1. @ 3.26		61.78
10,625.		61.78
LESS TREATMENT		1.50

TREATMENT	
BASE	1.50
INSOLUBLE	
ZINC	
SULPHUR	
ARSENIC	
DEBIT	
IRON	
NET TREATMENT	

@ S. 60.28 PER TON 1605.14

FREIGHT ADVANCED, @ 6.50 179.92

ADVANCES

SAMPLING 18.84 198.76

UMPIRE

ASSAYING

CORRECT

CHECKED

NET PROCEEDS 1406.38

Form 235 | 15m 76820

GARFIELD SMELTING CO.

SALT LAKE CITY, UTAH, July 14-15

BOUGHT OF Bronzell Mining Co.

MINE Bronzell LOT NO. 28 CLASS Crude REC'D

SAMPLED BY Ut. Ore Sampling Co. ASSAYED SHIPPING POINT St. Thomas, Nev.

QUOTATIONS OF 7-10-15 SILVER COPPER Elec. 19.60

ASSAYS	GOLD OZ. PER TON	SILVER OZ. PER OZ.	COPPER PER CENT	INSOL. PER CENT	ZINC PER CENT	SULPHUR PER CENT	ARSENIC PER CENT	IRON PER CENT	CaO
GARFIELD SM. CO.		.55	20.02	19.50				19.00	5.80
UMPIRE									
SETTLEMENT ASSAY		.55	20.02 ✓	19.50				19.00	5.80

CAR INITIAL	NUMBER	WEIGHT

WEIGHT OF LOT

WEIGHT OF SACKS 57520

WET WEIGHT

LESS MOISTURE 2.4 % 1380

VALUES PER TON		
GOLD @		
SILVER % @		
COPPER, LESS @ 3.47		66.00
11,239		66.00
LESS TREATMENT		1.60

TREATMENT	
BASE	
INSOLUBLE	
ZINC	
SULPHUR	
ARSENIC	
DEBIT	
IRON	
NET TREATMENT	

DRY WEIGHT 56140 ✓ @ 6 64.50 PER TON 1810.62

FREIGHT ADVANCED, @ 6.75 194.13

ADVANCES

SAMPLING 19.38 215.51

CORRECT UMPIRE

CHECKED ASSAYING

NET PROCEEDS 1597.01

Form 235 7 29 14 15m 76620

GARFIELD SMELTING CO.

SALT LAKE CITY, UTAH. Aug. 9, 1915

BOUGHT OF Bronzell Mining Co.

MINE ..... LOT NO. 29 CLASS Crude REC'D .....

SAMPLED BY Ut. Ore Sampling Co. ASSAYED ..... SHIPPING POINT St. Thomas, Nev.

QUOTATIONS OF 8-6-15 SILVER ..... COPPER Elec. 17.90

ASSAYS	GOLD OZ. PER TON	SILVER OZ. PER OZ.	COPPER PER CENT	INSOL. PER CENT	ZINC PER CENT	SULPHUR PER CENT	ARSENIC PER CENT	IRON PER CENT	CaO
GARFIELD SM. CO.									
UMPIRE									
SETTLEMENT ASSAY		.40	15.04	35.20				14.50	6.00

CAR INITIAL	NUMBER	WEIGHT

WEIGHT OF LOT .....

WEIGHT OF ..... SACKS .....

WET WEIGHT 47480

LESS MOISTURE 2.2 % 1044

DRY WEIGHT 46456

VALUES PER TON		
GOLD ..... @		
SILVER ..... % @		
COPPER, LESS 1. @	5.13	43.95
6984		43.95
LESS TREATMENT		1.50

TREATMENT	
BASE	
INSOLUBLE	
ZINC	
SULPHUR	
ARSENIC	
DEBIT	
IRON	
NET TREATMENT	

@ $ 42.45 PER TON 985.60

FREIGHT ADVANCED, @ 5.25 124.64

ADVANCES .....

SAMPLING 16.87 141.51

UMPIRE .....

ASSAYING .....

CORRECT O

CHECKED .....

NET PROCEEDS 844.09

Form 235 7 29 14 15m 76620

GARFIELD SMELTING CO.

SALT LAKE CITY, UTAH. Aug. 9, 1915

BOUGHT OF Bromzell Mng. Co. (Jones & Tilton Lease)

MINE ..... LOT NO. 29-A CLASS Crude REC'D .....

SAMPLED BY Ut. Ore Sampling Co. ASSAYED ..... SHIPPING POINT St. Thomas, Nev.

QUOTATIONS OF 8-5-15 SILVER ..... COPPER Elec. 17.90

ASSAYS	GOLD OZ. PER TON	SILVER OZ. PER OZ.	COPPER PER CENT	INSOL. PER CENT	ZINC PER CENT	SULPHUR PER CENT	ARSENIC PER CENT	IRON PER CENT	CaO
GARFIELD SM. CO.									
UMPIRE									
SETTLEMENT ASSAY		.50	14.58	5.30				24.20	10.70

CAR INITIAL	NUMBER	WEIGHT

WEIGHT OF LOT .....

WEIGHT OF ..... SACKS .....

WET WEIGHT 11880

LESS MOISTURE 3.6 % 428

DRY WEIGHT 11452

VALUES PER TON		
GOLD ..... @		
SILVER ..... % @		
COPPER, LESS 1. @	3.23	42.51
1670		42.51
LESS TREATMENT		1.50

TREATMENT	
BASE	
INSOLUBLE	
ZINC	
SULPHUR	
ARSENIC	
DEBIT	
IRON	
NET TREATMENT	

@ $ 41.01 PER TON 254.82

FREIGHT ADVANCED, @ 5.25 31.19

ADVANCES .....

SAMPLING 9.00 40.19

UMPIRE .....

ASSAYING .....

CORRECT .....

CHECKED O.

NET PROCEEDS 194.63

Pd 5/22

Form 235 7 29 14 15m 76620

GARFIELD SMELTING CO.

SALT LAKE CITY, UTAH. Aug. 9, 1915

BOUGHT OF Bronzell Mining Co. (Whitney Lease)

MINE ..... LOT NO. 29-B CLASS Crude REC'D .....

SAMPLED BY Ut. Ore Sampling Co. ASSAYED ..... SHIPPING POINT St. Thomas, Nev.

QUOTATIONS OF 8-5-15 SILVER 47 COPPER Elec. 17.90

ASSAYS	GOLD OZ. PER TON	SILVER OZ. PER OZ.	COPPER PER CENT	INSOL. PER CENT	ZINC PER CENT	SULPHUR PER CENT	ARSENIC PER CENT	IRON PER CENT	CaO
GARFIELD SM. CO.									
UMPIRE									
SETTLEMENT ASSAY		5.05	7.49	11.20				28.50	1.20

CAR INITIAL	NUMBER	WEIGHT

VALUES PER TON			
GOLD		@	
SILVER	95 %	@ 47	2.61
COPPER, LESS 1.		@ 5.25	20.31
571			22.92
LESS TREATMENT			1.50

TREATMENT	
BASE	
INSOLUBLE	
ZINC	
SULPHUR	
ARSENIC	
DEBIT	
IRON	
NET TREATMENT	

WEIGHT OF LOT .....

WEIGHT OF ..... SACKS .....

WET WEIGHT 7840

LESS MOISTURE 2.7% 212

DRY WEIGHT 7628 @ $ 21.42 PER TON 81.70

FREIGHT ADVANCED, @ 5.25 20.58

ADVANCES .....

SAMPLING 9.00 29.58

CORRECT .....

CHECKED .....

UMPIRE .....

ASSAYING .....

NET PROCEEDS 52.12

Form 235. 7 29 14 15m 76620

GARFIELD SMELTING CO.

SALT LAKE CITY, UTAH. Sept. 8, 1915

BOUGHT OF Bronzell Mining Co.

MINE ..... LOT NO. 30 CLASS Crude REC'D .....

SAMPLED BY Ut. Ore Sampling Co. ASSAYED ..... SHIPPING POINT St. Thomas, Nev.

QUOTATIONS OF 9-7-15 SILVER ..... COPPER Elec. 17.10

ASSAYS	GOLD OZ. PER TON	SILVER OZ. PER OZ.	COPPER PER CENT	INSOL. PER CENT	ZINC PER CENT	SULPHUR PER CENT	ARSENIC PER CENT	IRON PER CENT	CaO
GARFIELD SM. CO.									
UMPIRE									
SETTLEMENT ASSAY		.70	13.90	35.00				15.00	6.30

CAR INITIAL	NUMBER	WEIGHT

WEIGHT OF LOT .....

WEIGHT OF ..... SACKS .....

WET WEIGHT 56640

LESS MOISTURE 2.8 % 1586

DRY WEIGHT 55054

VALUES PER TON		
GOLD ..... @		
SILVER ..... % @		
COPPER, LESS 1. @	2.97	38.31
7.653		38.31
LESS TREATMENT		1.50

TREATMENT	
BASE	
INSOLUBLE	
ZINC	
SULPHUR	
ARSENIC	
DEBIT	
IRON	
NET TREATMENT	

@ $ 36.81 PER TON 1013.27

FREIGHT ADVANCED, @ 5.25 157.50

ADVANCES .....

SAMPLING 18.16 175.66

UMPIRE .....

ASSAYING .....

CORRECT .....

CHECKED .....

NET PROCEEDS 837.61

m 235 7 29 14 15m 76620

GARFIELD SMELTING CO.

SALT LAKE CITY, UTAH. Sept. 28, 1915

OUGHT OF Bronzell Eng. Co.

NE LOT NO. 31 CLASS Crude REC'D

MPLED BY Ut. Ore Sampling Co. ASSAYED SHIPPING POINT St. Thomas, Nev.

OTATIONS OF 9-24-15 SILVER COPPER Elec. 17.45

ASSAYS	GOLD OZ. PER TON	SILVER OZ. PER OZ.	COPPER PER CENT	INSOL. PER CENT	ZINC PER CENT	SULPHUR PER CENT	ARSENIC PER CENT	IRON PER CENT	CaO
ARFIELD SM. CO.		.95	16.80	15.80				24.40	5.00
		1.00							
RE Curzie		.90							
SETTLEMENT ASSAY		.95	16.80 ✓	15.80				24.40	5.00

NITIAL	NUMBER	WEIGHT

VALUES PER TON		
GOLD @		
SILVER % @		
COPPER, LESS 1.	3.04	48.03
8452		48.03
LESS TREATMENT		1.50

TREATMENT	
BASE	
INSOLUBLE	
ZINC	
SULPHUR	
ARSENIC	
DEBIT	
IRON	
NET TREATMENT	

GHT OF LOT

GHT OF SACKS

WEIGHT 51180

S MOISTURE 1.7 870

Y WEIGHT 50310 ✓ @ $ 46.53 PER TON 1170.46

FREIGHT ADVANCED, @ 6.00 153.54

ADVANCES

SAMPLING 16.79

RRECT UMPIRE 3.00 173.33

ECKED ASSAYING

NET PROCEEDS 997.13

Form 235 7 29 14 15m 76620

GARFIELD SMELTING CO.

SALT LAKE CITY, UTAH, Sept. 28, 1915

BOUGHT OF Bronzell Eng. Co. (Gentry)

MINE ..... LOT NO. 31-A CLASS Slag REC'D .....

SAMPLED BY Ut. Ore Sampling Co. ASSAYED ..... SHIPPING POINT St. Thomas, Nev.

QUOTATIONS OF 9-24-15 SILVER 49-3/8 COPPER Elec. 17.45

ASSAYS	GOLD OZ. PER TON	SILVER OZ. PER OZ.	COPPER PER CENT	INSOL. PER CENT	ZINC PER CENT	SULPHUR PER CENT	ARSENIC PER CENT	IRON PER CENT	CaO
GARFIELD SM. CO.									
UMPIRE									
SETTLEMENT ASSAY		3.05	10.05	62.20				8.50	7.90

CAR INITIAL	NUMBER	WEIGHT

VALUES PER TON		
GOLD ..... @		
SILVER 95 % @	49-3/8	1.43
COPPER, LESS 1c @	3.04	27.51
1504		28.94
LESS TREATMENT		3.72

TREATMENT	
BASE	1.50
INSOLUBLE 40% free	2.22
ZINC excess @ 10¢	
SULPHUR	
ARSENIC	
DEBIT	3.72
IRON	
NET TREATMENT	3.72

WEIGHT OF LOT .....

WEIGHT OF ..... SACKS .....

WET WEIGHT 15160

LESS MOISTURE 1.3 % 198

DRY WEIGHT 14962

@ 25.22 PER TON 188.67

FREIGHT ADVANCED, @ 6.00 45.48

ADVANCES .....

SAMPLING 9.00 54.48

UMPIRE .....

ASSAYING .....

CORRECT .....

CHECKED .....

NET PROCEEDS 134.19

Form 235 9-3-15 15m 82568

GARFIELD SMELTING CO.

SALT LAKE CITY, UTAH. Oct. 12, 1915

BOUGHT OF Bronzell Mining Co.

MINE ..... LOT NO. 32 CLASS Crude REC'D .....

SAMPLED BY U. O. S. Co. ASSAYED ..... SHIPPING POINT St. Thomas, Nev.

QUOTATIONS OF 10-7-15 SILVER ..... COPPER Elec. 17.825

ASSAYS	GOLD OZ. PER TON	SILVER OZ. PER OZ.	COPPER PER CENT	INSOL. PER CENT	ZINC PER CENT	SULPHUR PER CENT	ARSENIC PER CENT	IRON PER CENT	
GARFIELD SM. CO.		.40	13.90	30.20				16.20	6.80
			14.41						
UMPIRE Union			14.31						
SETTLEMENT ASSAY		.40	14.31	30.20				16.20	6.80

CAR INITIAL	NUMBER	WEIGHT

VALUES PER TON			
GOLD	@		
SILVER	% @		
COPPER, LESS 1.	@	3.115	41.46
10,366			41.46
LESS TREATMENT			1.50

TREATMENT	
BASE	
INSOLUBLE	
ZINC	
SULPHUR	
ARSENIC	
DEBIT	
IRON	
NET TREATMENT	

WEIGHT OF LOT .....

WEIGHT OF ..... SACKS .....

WET WEIGHT 75220

LESS MOISTURE 3.7 % 2784

DRY WEIGHT 72436 @ $ 39.96 PER TON 1447.27

FREIGHT ADVANCED, @ 5.25 197.45

ADVANCES .....

SAMPLING 22.81 220.26

UMPIRE .....

ASSAYING .....

CORRECT .....

CHECKED .....

NET PROCEEDS 1227.01

Form 235 9-3-15 15m 82568

GARFIELD SMELTING CO.

SALT LAKE CITY, UTAH, Oct. 30, 1915

BOUGHT OF Bronzell Mng. Co.

MINE ____ LOT NO. 33 CLASS Crude REC'D ____

SAMPLED BY U. O. S. Co. ASSAYED ____ SHIPPING POINT St. Thomas, Nev.

QUOTATIONS OF 10-27-15 SILVER ____ COPPER Elec. 17.55

ASSAYS	GOLD OZ. PER TON	SILVER OZ. PER OZ.	COPPER PER CENT	INSOL. PER CENT	ZINC PER CENT	SULPHUR PER CENT	ARSENIC PER CENT	IRON PER CENT	CaO
GARFIELD SM. CO.		.80	23.04	14.50				17.40	7.00
			23.68						
UMPIRE RHO			23.18						
SETTLEMENT ASSAY		.80	23.18 ✓	14.50				17.40	7.00

CAR INITIAL	NUMBER	WEIGHT

WEIGHT OF LOT ____

WEIGHT OF ____ SACKS ____

WET WEIGHT 67900

LESS MOISTURE 2.2 % 1494

VALUES PER TON		
GOLD ____ @		
SILVER ____ % @		
COPPER, LESS 1. @	3.06	67.87
15,393		67.87
LESS TREATMENT		1.50

TREATMENT	
BASE	
INSOLUBLE	
ZINC	
SULPHUR	
ARSENIC	
DEBIT	
IRON	
NET TREATMENT	

DRY WEIGHT 66406 ✓ @ $ 66.57 PER TON 2203.68

FREIGHT ADVANCED, @ 6.75 229.16

ADVANCES

SAMPLING 20.98

UMPIRE 3.00 253.14

ASSAYING

CORRECT

CHECKED

NET PROCEEDS 1950.54

Form 235 9-3-15 15m 82568

GARFIELD SMELTING CO.

SALT LAKE CITY, UTAH, Dec. 3, 1915

BOUGHT OF Bronzell Mng. Co.

MINE _____ LOT NO. 34 CLASS Crude REC'D _____

SAMPLED BY U.O.S.Co. ASSAYED _____ SHIPPING POINT St. Thomas, Nev.

QUOTATIONS OF 12-1-15 SILVER _____ COPPER Elec. 19.55

ASSAYS	GOLD OZ. PER TON	SILVER OZ. PER OZ.	COPPER PER CENT	INSOL. PER CENT	ZINC PER CENT	SULPHUR PER CENT	ARSENIC PER CENT	IRON PER CENT	CaO
GARFIELD SM. CO.		.40	13.18	32.60				14.60	7.10
C&H		.40	13.53						
UMPIRE Currie			13.55						
SETTLEMENT ASSAY		.40	13.53	32.60				14.60	7.10

CAR INITIAL	NUMBER	WEIGHT

VALUES PER TON

GOLD @		
SILVER % @		
COPPER, LESS 1. @ 3.46		43.35
11,074		43.35
LESS TREATMENT		1.50

TREATMENT

BASE	1.50
INSOLUBLE	
ZINC	
SULPHUR	
ARSENIC	
DEBIT	
IRON	
NET TREATMENT	1.50

WEIGHT OF LOT _____

WEIGHT OF _____ SACKS _____

WET WEIGHT 84640

LESS MOISTURE 3.3 % 2794

DRY WEIGHT 81846 @ $ 41.85 PER TON 1712.63

FREIGHT ADVANCED, @ 5.25 222.18

ADVANCES _____

SAMPLING 25.16 247.54

UMPIRE _____

ASSAYING _____

CORRECT _____

CHECKED _____

NET PROCEEDS 1465.29

Form 235 9-3-15 15m 82568

GARFIELD SMELTING CO.

SALT LAKE CITY, UTAH, Dec. 18, 1915

BOUGHT OF Bronzell Mining Co.

MINE ____ LOT NO. 35 CLASS Crude REC'D ____

SAMPLED BY U.O.S.Co. ASSAYED ____ SHIPPING POINT St. Thomas, Nev.

QUOTATIONS OF 12-14-15 SILVER ____ COPPER Elec. 19.50

ASSAYS	GOLD OZ. PER TON	SILVER OZ. PER OZ.	COPPER PER CENT	INSOL. PER CENT	ZINC PER CENT	SULPHUR PER CENT	ARSENIC PER CENT	IRON PER CENT	CaO
GARFIELD SM. CO.		.90	20.07	11.40				24.60	4.20
		1.08	20.43						
UMPIRE Union		.90	20.05						
SETTLEMENT ASSAY		.90	20.07 ✓	11.40				24.60	4.20

CAR INITIAL	NUMBER	WEIGHT

VALUES PER TON		
GOLD ____ @		
SILVER ____ % ____ @		
COPPER, LESS 1. @	8.45	65.79
12,679		65.79
LESS TREATMENT		1.50

TREATMENT	
BASE	
INSOLUBLE	
ZINC	
SULPHUR	
ARSENIC	
DEBIT	
IRON	
NET TREATMENT	

WEIGHT OF LOT ____

WEIGHT OF ____ SACKS ____

WET WEIGHT 64860

LESS MOISTURE 2.6 % 1686

DRY WEIGHT 63174 ✓ @ 64.29 PER TON 2030.73

FREIGHT ADVANCED, @ 6.75 218.90

ADVANCES ____

SAMPLING 20.22

UMPIRE 5.00 244.12

ASSAYING ____

CORRECT ____

CHECKED ____

NET PROCEEDS 1786.61

Form 235 9-3-15 15m 82568

GARFIELD SMELTING CO.

SALT LAKE CITY, UTAH, Jan. 13, 1916

BOUGHT OF Bronzell Mng. Co.

MINE _____ LOT NO. 36 CLASS Crude REC'D _____

SAMPLED BY U.O.S.Co. ASSAYED _____ SHIPPING POINT St. Thomas, Nev.

QUOTATIONS OF 1-11-16 SILVER _____ COPPER Elec. 23.00

ASSAYS	GOLD OZ. PER TON	SILVER OZ. PER OZ.	COPPER PER CENT	INSOL. PER CENT	ZINC PER CENT	SULPHUR PER CENT	ARSENIC PER CENT	IRON PER CENT	CaO
GARFIELD SM. CO.		.40	15.86	18.40				21.20	6.80
C&T			16.10						
UMPIRE RMO			16.04						
SETTLEMENT ASSAY		.40	16.04 ✓	18.40				21.20	6.80

CAR INITIAL	NUMBER	WEIGHT

WEIGHT OF LOT _____

WEIGHT OF _____ SACKS _____

WET WEIGHT 71900

LESS MOISTURE 2.2 % 1582

DRY WEIGHT 70318 ✓

VALUES PER TON		
GOLD _____ @		
SILVER _____ % _____ @		
COPPER, LESS 1. @ 4.15		62.42
11,279		62.42
LESS TREATMENT		1.50
@	60.92	PER TON 2141.89
FREIGHT ADVANCED, @	6.50	233.68
ADVANCES		
SAMPLING	21.98	255.66
UMPIRE		
ASSAYING		

TREATMENT	
BASE	
INSOLUBLE	
ZINC	
SULPHUR	
ARSENIC	
DEBIT	
IRON	
NET TREATMENT	

CORRECT _____

CHECKED _____

NET PROCEEDS 1886.23

Form 235 7 29 14 15m 76920

GARFIELD SMELTING CO.

SALT LAKE CITY, UTAH. Feb. 16, 1916

BOUGHT OF Bronzell Mining Co.

MINE ..... LOT NO. 37 CLASS Crude REC'D. .....

SAMPLED BY U.O.S.Co. ASSAYED ..... SHIPPING POINT St.Thomas, Nev.

QUOTATIONS OF 2-14-16 SILVER ..... COPPER Elec. 26.25

ASSAYS	GOLD OZ. PER TON	SILVER OZ. PER OZ.	COPPER PER CENT	INSOL. PER CENT	ZINC PER CENT	SULPHUR PER CENT	ARSENIC PER CENT	IRON PER CENT
GARFIELD SM. CO.		.75	19.00	16.00				19.50
			19.15					
UMPIRE Currie			19.25					
SETTLEMENT ASSAY		.75	19.15	16.00				19.50

CAR INITIAL	NUMBER	WEIGHT

VALUES PER TON		
GOLD @		
SILVER % @		
COPPER LESS 1.0 @ 4.80		87.12
12,688		87.12
LESS TREATMENT		1.50

TREATMENT	
BASE	
INSOLUBLE	
ZINC	
SULPHUR	
ARSENIC	
DEBIT	
IRON	
NET TREATMENT	

WEIGHT OF LOT .....

WEIGHT OF ..... SACKS .....

WET WEIGHT 68520

LESS MOISTURE 3.3 % 2262

DRY WEIGHT 66258 ✓ @ 85.62 PER TON 2836.50

FREIGHT ADVANCED, @ 7.25 248.39

ADVANCES .....

SAMPLING 21.13 269.52

CORRECT ..... UMPIRE .....

CHECKED ..... ASSAYING .....

NET PROCEEDS 2566.98

Form 235 3 18 50M F W & Co 99235

COPY

GARFIELD SMELTING CO.

SALT LAKE CITY, UTAH. Mar. 25, 1916

BOUGHT OF Bronzell Mng. Co.

MINE

LOT NO. 38 CLASS Crude REC'D

SAMPLED BY UOS ASSAYED SHIPPING POINT St. Thomas

QUOTATIONS OF 3-22-16 SILVER COPPER Elec. 26.50

ASSAYS	GOLD OZ. PER TON	SILVER OZ. PER TON	COPPER PER CENT	INSOL. PER CENT	ZINC PER CENT	SULPHUR PER CENT	ARSENIC PER CENT	IRON PER CENT	CaO
GARFIELD SM. CO.			16.87						
			17.45						
UMPIRE Union			17.03						
SETTLEMENT ASSAY		.70	17.03	18.40				18.50	8.3

CAR INITIAL	NUMBER	WEIGHT

VALUES PER TON

GOLD @		
SILVER % @		
COPPER, LESS 1. @ 4.85		77.75
11,833		77.75
LESS TREATMENT		1.50

TREATMENT

BASE

INSOLUBLE % @

ZINC % @

SULPHUR % @

ARSENIC % @

DEBIT

IRON % @

NET TREATMENT

WEIGHT OF LOT

WEIGHT OF SACKS

WET WEIGHT 71120

LESS MOISTURE 2.3 % 1636

DRY WEIGHT 69484

@ $ 76.25 PER TON 2649.08

FREIGHT ADVANCED, @ 7.00 248.92

ADVANCES

SAMPLING 21.78

UMPIRE 3.00 273.70

ASSAYING

CORRECT

CHECKED

MB

Rates, except on contracts, subject to change without notice

NET PROCEEDS 2375.38

Form 235 3-1-16 30M. F. W. B. Co. 85645

CORRECTION

GARFIELD SMELTING CO.

SALT LAKE CITY, UTAH, April 17, 1916

BOUGHT OF U. Bronzell Mining Co. (Conklin)

MINE ..... LOT NO. 39 CLASS Crude REC'D .....

SAMPLED BY U.O.S.Co. ASSAYED ..... SHIPPING POINT St. Thomas, Nev.

QUOTATIONS OF 4-11-16 SILVER ..... COPPER Elec. 27.00

ASSAYS	GOLD OZ. PER TON	SILVER OZ. PER TON	COPPER PER CENT	INSOL. PER CENT	ZINC PER CENT	SULPHUR PER CENT	ARSENIC PER CENT	IRON PER CENT	CaO
GARFIELD SM. CO.									
UMPIRE									
SETTLEMENT ASSAY		.75	10.02	42.00				14.50	5.0

CAR INITIAL	NUMBER	WEIGHT

VALUES PER TON		
GOLD @		
SILVER % @		
COPPER, LESS 1. @ 4.95		44.65
1765		44.65
LESS TREATMENT		1.70

TREATMENT	
BASE	1.50
INSOLUBLE % @	.20
ZINC % @	
SULPHUR % @	
ARSENIC % @	
DEBIT	
IRON % @	
NET TREATMENT	1.70

WEIGHT OF LOT	18020
WEIGHT OF 60 SACKS	60
WET WEIGHT	17960
LESS MOISTURE 1.9 %	342

DRY WEIGHT 17618

40 M. Min. @ $ 42.95 PER TON 378.55

FREIGHT ADVANCED, @ 6.00 56.56

ADVANCES

SAMPLING 9.00 67.56

UMPIRE 310.79 c/n

ASSAYING 249.35 paid

CORRECT

CHECKED

NET PROCEEDS 61.44

Form 235 3-1-16 50M. F. W. B. Co. 85645

GARFIELD SMELTING CO.

SALT LAKE CITY, UTAH. April 17, 1916

BOUGHT OF Bronzell Mng. Co.

MINE

LOT NO. 40 CLASS Crude REC'D

SAMPLED BY U.O.S.Co. ASSAYED SHIPPING POINT St. Thomas, Nev.

QUOTATIONS OF 4-11-16 SILVER COPPER Elec. 27.00

ASSAYS	GOLD OZ. PER TON	SILVER OZ. PER TON	COPPER PER CENT	INSOL. PER CENT	ZINC PER CENT	SULPHUR PER CENT	ARSENIC PER CENT	IRON PER CENT	CaO
GARFIELD SM. CO.		.40	13.20	25.80				16.60	7.5
UMPIRE RHO			13.37						
SETTLEMENT ASSAY		.40	13.37 ✓	25.80				16.60	7.5

CAR INITIAL	NUMBER	WEIGHT

VALUES PER TON

GOLD @		
SILVER % @		
COPPER, LESS 1. @	4.95	61.23
7699		61.23
LESS TREATMENT		1.50

TREATMENT

BASE	
INSOLUBLE % @	
ZINC % @	
SULPHUR % @	
ARSENIC % @	
DEBIT	
IRON % @	
NET TREATMENT	

WEIGHT OF LOT

WEIGHT OF SACKS

WET WEIGHT 58400

LESS MOISTURE 1.4 % 818

DRY WEIGHT 57582 ✓

@	59.73		
FREIGHT ADVANCED, @	6.50	PER TON 189.80	1719.69
ADVANCES			
SAMPLING		18.60	208.40
UMPIRE			
ASSAYING			
NET PROCEEDS			1511.29

CORRECT

CHECKED

rm 235 3-1-16 30M. F. W. B. Co. 83645

GARFIELD SMELTING CO.

SALT LAKE CITY, UTAH, May 12, 1916

BOUGHT OF Bronzoll Mining Co.

MINE _____ LOT NO. 41 CLASS Crude REC'D _____

SAMPLED BY Garfield ASSAYED _____ SHIPPING POINT St. Thomas, Nev.

QUOTATIONS OF 5-8-16 SILVER _____ COPPER Elec. 29.00

ASSAYS	GOLD OZ. PER TON	SILVER OZ. PER TON	COPPER PER CENT	INSOL. PER CENT	ZINC PER CENT	SULPHUR PER CENT	ARSENIC PER CENT	IRON PER CENT	CaO
GARFIELD SM. CO.		.40	11.60	20.30				22.50	9.00
			12.11						
			12.00						
UMPIRE Curtis									
SETTLEMENT ASSAY		.40	12.00 ✓	20.30				22.50	9.00

AR INITIAL	NUMBER	WEIGHT

VALUES PER TON		
GOLD @		
SILVER % @		
COPPER, LESS 1. @	5.35	58.85
12,320		58.85
LESS TREATMENT		1.50

TREATMENT	
BASE	
INSOLUBLE % @	
ZINC % @	
SULPHUR % @	
ARSENIC % @	
DEBIT	
IRON % @	
NET TREATMENT	

WEIGHT OF LOT _____

WEIGHT OF _____ SACKS 106060

WET WEIGHT _____ 3394

LESS MOISTURE 3.2 %

DRY WEIGHT 102666 ✓ @ $ 57.35 PER TON 2943.95

FREIGHT ADVANCED @ 6.50 344.70

ADVANCES Watching 5.30

SAMPLING _____

UMPIRE _____

ASSAYING 4.00 354.00

CORRECT _____

CHECKED _____

NET PROCEEDS 2589.95

rm 235 3-1-16 30M. F. W. G. Co. 85645

GARFIELD SMELTING CO.

SALT LAKE CITY, UTAH. June 17, 1916

BOUGHT OF Bronzell Mining Co.

MINE ..... LOT NO. 42 CLASS Crude REC'D .....

SAMPLED BY Garfield ASSAYED ..... SHIPPING POINT St. Thomas, Nev.

QUOTATIONS OF 6-10-16 SILVER ..... COPPER Elec. 27.50

ASSAYS	GOLD OZ. PER TON	SILVER OZ. PER TON	COPPER PER CENT	INSOL. PER CENT	ZINC PER CENT	SULPHUR PER CENT	ARSENIC PER CENT	IRON PER CENT	CaO
GARFIELD SM. CO.		.45	10.50						
C&W		1.60	10.66						
UMPIRE Union		.70							
SETTLEMENT ASSAY		.70	10.58 ✓	20.30				23.50	8.60

R INITIAL	NUMBER	WEIGHT

VALUES PER TON

GOLD ..... @		
SILVER ..... % @		
COPPER, LESS 1. @ 5.0		47.90
6,765		47.90
LESS TREATMENT		2.50

TREATMENT

BASE	
INSOLUBLE ..... % @	
ZINC ..... % @	
SULPHUR ..... % @	
ARSENIC ..... % @	
DEBIT	
IRON ..... % @	
NET TREATMENT	

WEIGHT OF LOT .....

WEIGHT OF ..... SACKS .....

WET WEIGHT 66120

LESS MOISTURE 3.3 % 2182

DRY WEIGHT 63938 ✓ @ $ 45.40 PER TON 1451.39

FREIGHT ADVANCED @ 6.00 198.86

ADVANCES Watching 3.31

SAMPLING .....

CORRECT ..... UMPIRE 3.00

CHECKED ..... ASSAYING 4.00 208.67

NET PROCEEDS 1242.72

Form 235 9-3-15 15m 82568

GARFIELD SMELTING CO.

SALT LAKE CITY, UTAH, July- 15-1916

BOUGHT OF Bronzell Mining Co

MINE ..... LOT NO. 43 CLASS Crude REC'D .....

SAMPLED BY Garfield ASSAYED ..... SHIPPING POINT .....

QUOTATIONS OF 7-11-16 SILVER ..... COPPER Elec 24.5

ASSAYS	GOLD OZ. PER TON	SILVER OZ. PER OZ.	COPPER PER CENT	INSOL. PER CENT	ZINC PER CENT	SULPHUR PER CENT	ARSENIC PER CENT	IRON PER CENT	CaO
GARFIELD SM. CO.		.55	12.45	16.6				21.5	10.2
C&W		.70	12.55						
UMPIRE									
SETTLEMENT ASSAY		.62	12.5 ✓	16.6				21.5	10.2

AR INITIAL	NUMBER	WEIGHT

VALUES PER TON

GOLD	@		
SILVER %	@		
COPPER, LEC 1.	@	4.40	~~50.60~~
9451			50.60
LESS TREATMENT			2.50

TREATMENT

BASE	
INSOLUBLE	
ZINC	
SULPHUR	
ARSENIC	
DEBIT	
IRON	
NET TREATMENT	

WEIGHT OF LOT .....

WEIGHT OF ..... SACKS .....

WET WEIGHT 77320

LESS MOISTURE 2.2 % 1702

DRY WEIGHT 75618 ✓ @ $ 48.10 PER TON 1818.61

FREIGHT ADVANCED, @ 5.50 251.29

ADVANCES .....

SAMPLING .....

UMPIRE .....

CORRECT .....

CHECKED .....

ASSAYING ..... 4.00 ~~3.87~~ 259.16

Watching

NET PROCEEDS 1559.45

Form 235 3-1-16 30M. F. W. G. Co. 85645

GARFIELD SMELTING CO.

SALT LAKE CITY, UTAH, Aug. 5, 1916

BOUGHT OF Bronzell Mining Co.

MINE ..... LOT NO. 44 CLASS Crude REC'D .....

SAMPLED BY Garfield ASSAYED ..... SHIPPING POINT St.Thomas, Nev.

QUOTATIONS OF 8-1-16 SILVER ..... COPPER Elec. @ 4.50

ASSAYS	GOLD OZ. PER TON	SILVER OZ. PER TON	COPPER PER CENT	INSOL. PER CENT	ZINC PER CENT	SULPHUR PER CENT	ARSENIC PER CENT	IRON PER CENT
GARFIELD SM. CO.		.50	17.50					
C&N		.60	17.90					
UMPIRE RHO			17.62					
SETTLEMENT ASSAY		.55	17.62 ✓	18.00				13.60

CAR INITIAL	NUMBER	WEIGHT

WEIGHT OF LOT .....

WEIGHT OF ..... SACKS .....

WET WEIGHT 67980

LESS MOISTURE 2.0 % 1360

VALUES PER TON		
GOLD ..... @		
SILVER ..... % ..... @		
COPPER, LESS 1. @ 4.4		73.13
11,738		73.13
LESS TREATMENT		2.50

TREATMENT	
BASE	
INSOLUBLE ..... % @	
ZINC ..... % @	
SULPHUR ..... % @	
ARSENIC ..... % @	
DEBIT	
IRON ..... % @	
NET TREATMENT	

DRY WEIGHT 66620 ✓ @ $ 70.63 PER TON			2352.69
FREIGHT ADVANCED, @ 6.75	229.43		
ADVANCES Watching	3.40		
SAMPLING			
UMPIRE	3.00		
ASSAYING	4.00		239.83
NET PROCEEDS			2112.86

CORRECT ✓

CHECKED ✓

Form 235 7 20 16 50M F W & Co 87761

GARFIELD SMELTING CO.

SALT LAKE CITY, UTAH, Sept. 13, 1916

BOUGHT OF Bronzell Mng. Co.

MINE ..... LOT NO. 45 CLASS Crude REC'D .....

SAMPLED BY Garfield ASSAYED ..... SHIPPING POINT St. Thomas, Nev.

QUOTATIONS OF 9-7-16 SILVER ..... COPPER Elec. 27.625

ASSAYS	GOLD OZ. PER TON	SILVER OZ. PER TON	COPPER PER CENT	INSOL. PER CENT	ZINC PER CENT	SULPHUR PER CENT	ARSENIC PER CENT	IRON PER CENT	CaO
GARFIELD SM. CO.		.60	20.10						
C&H		.70	20.20						
UMPIRE									
SETTLEMENT ASSAY		.65	20.15	17.00				12.50	10.7

CAR INITIAL	NUMBER	WEIGHT

VALUES PER TON		
GOLD @		
SILVER % @		
COPPER, LESS 1. @	5.025	96.23
12,225		96.23
LESS TREATMENT		2.50

TREATMENT	
BASE	
INSOLUBLE % @	
ZINC % @	
SULPHUR % @	
ARSENIC % @	
DEBIT	
IRON % @	
NET TREATMENT	

WEIGHT OF LOT .....

WEIGHT OF ..... SACKS .....

WET WEIGHT 62420

LESS MOISTURE 2.9 % 1748

DRY WEIGHT 60672 @ $ 93.75 PER TON 2843.39

FREIGHT ADVANCED @ 7.50 234.08

ADVANCES Watching 3.12

SAMPLING .....

UMPIRE .....

ASSAYING 4.00 241.20

CORRECT .....

CHECKED .....

NET PROCEEDS 2602.19

Rates, except on contracts, subject to change without notice

BOUGHT OF B[illegible]el Mng. Co. SALT LAKE, Sept. 23,

MINE ..... LOT NO. 46 CLASS Crude REC'D

SAMPLED BY Garfield ASSAYED ..... SHIPPING POINT St. Thomas

QUOTATIONS OF 9-19-16 SILVER ..... COPPER Elec. 27.00

ASSAYS	GOLD OZ. PER TON	SILVER OZ. PER TON	COPPER PER CENT	INSOL. PER CENT	ZINC PER CENT	SULPHUR PER CENT	ARSENIC PER CENT	IRON PER CENT	CaO
GARFIELD SM. CO.		1.00	16.30						
C&N		.90	16.49						
UMPIRE JWC		.90							
SETTLEMENT ASSAY		.90	16.39 ✓	20.50				11.30	12.[illegible]

CAR INITIAL	NUMBER	WEIGHT

VALUES PER TON		
GOLD ..... @		
SILVER ..... % ..... @		
COPPER, LESS 1. @ 4.9		75.41
7,951		75.41
LESS TREATMENT		2.50

TREATMENT	
BASE	
INSOLUBLE ..... % @	
ZINC ..... % @	
SULPHUR ..... % @	
ARSENIC ..... % @	
DEBIT	
IRON ..... % @	
NET TREATMENT	

WEIGHT OF LOT .....

WEIGHT OF ..... SACKS .....

WET WEIGHT 49200

LESS MOISTURE 1.4 % 688

DRY WEIGHT 48512 ✓ @ $ 72.91 PER TON 1768.50

FREIGHT ADVANCED, @ 7.00 172.20

ADVANCES .....

CORRECT ..... SAMPLING 16.30 188.50

CHECKED ..... UMPIRE .....

ASSAYING .....

MB

Rates, except on contracts, subject to change without notice

NET PROCEEDS 1580.00

Form 235 7 20 16 50M F W & Co 87761

GARFIELD SMELTING CO.

SALT LAKE CITY, UTAH. Nov. 14, 1916

BOUGHT OF Bronzell Mining Co.

MINE ..... LOT NO. 47 CLASS Crude REC'D .....

SAMPLED BY Garfield ASSAYED ..... SHIPPING POINT St. Thomas, Nev.

QUOTATIONS OF 11-11-16 SILVER ..... COPPER Elec. 27.50

ASSAYS	GOLD OZ. PER TON	SILVER OZ. PER TON	COPPER PER CENT	INSOL. PER CENT	ZINC PER CENT	SULPHUR PER CENT	ARSENIC PER CENT	IRON PER CENT	CaO
GARFIELD SM. CO.		.70	19.95						
C&N		.80	20.29						
UMPIRE Union			19.92						
SETTLEMENT ASSAY		.75	19.95 ✓	17.70				12.20	11.00

CAR INITIAL	NUMBER	WEIGHT

WEIGHT OF LOT .....

WEIGHT OF ..... SACKS .....

WET WEIGHT 92800

LESS MOISTURE 2.6 % 2412

VALUES PER TON		
GOLD ..... @		
SILVER ..... % ..... @		
COPPER, LESS 1. @	5.0	94.75
18,032		94.75
LESS TREATMENT		2.50

TREATMENT	
BASE	
INSOLUBLE ..... % @	
ZINC ..... % @	
SULPHUR ..... % @	
ARSENIC ..... % @	
DEBIT	
IRON ..... % @	
NET TREATMENT	

DRY WEIGHT 90388 ✓ @ $ 92.25 PER TON 4169.15

FREIGHT ADVANCED, @ 7.25 336.40

ADVANCES Watching 4.64

SAMPLING .....

UMPIRE 3.00

ASSAYING 4.00 348.04

CORRECT .....

CHECKED .....

NET PROCEEDS 3821.11

Rates, except on contracts, subject to change without notice

Form 255 7 20 16 50 M FWCo 87761

GARFIELD SMELTING CO.

SALT LAKE CITY, UTAH, Dec. 16, 1916

BOUGHT OF Bromzell Mining Co.

MINE ..... LOT NO. 49 CLASS Crude REC'D .....

SAMPLED BY Garfield ASSAYED ..... SHIPPING POINT St. Thomas, Nev.

QUOTATIONS OF 12-14-16 SILVER 75-7/8 COPPER Elec. 35.25

ASSAYS	GOLD OZ. PER TON	SILVER OZ. PER TON	COPPER PER CENT	INSOL. PER CENT	ZINC PER CENT	SULPHUR PER CENT	ARSENIC PER CENT	IRON PER CENT	CaO
GARFIELD SM. CO.		.95	19.35						
C&J		1.00	19.54						
UMPIRE RHO		1.00							
SETTLEMENT ASSAY		1.00	19.44 ✓	22.20				10.50	10.0

CAR INITIAL	NUMBER	WEIGHT

WEIGHT OF LOT .....

WEIGHT OF ..... SACKS .....

WET WEIGHT 68300

LESS MOISTURE 2.6 % 1776

VALUES PER TON			
GOLD	@		
SILVER 95 %	@	75-7/8	.72
COPPER, LESS 1.	@	6.15	113.41
~~8276~~			114.13
12,932			
LESS TREATMENT			2.59

TREATMENT	
BASE	
INSOLUBLE % @	
ZINC % @	
SULPHUR % @	
ARSENIC % @	
DEBIT	
IRON % @	
NET TREATMENT	

DRY WEIGHT 66524 ✓ @ $ 111.65 PER TON 3713.04

FREIGHT ADVANCED @ 9.00 307.55

ADVANCES Matching 5.42

SAMPLING

CORRECT ..... UMPIRE .....

CHECKED ..... ASSAYING 4.00 314.77

NET PROCEEDS 3390.27

Rates, except on contracts, subject to change without notice

Form 235 7 20 16 50M F W & Co 87761

GARFIELD SMELTING CO.

SALT LAKE CITY, UTAH. Feb. 2, 1917

BOUGHT OF Bronsell Mining Co.

MINE ..... LOT NO. 49 CLASS Crude REC'D .....

SAMPLED BY Garfield ASSAYED ..... SHIPPING POINT St. Thomas, Nev.

QUOTATIONS OF 1-31-17 SILVER ..... COPPER Elec. 30.00

ASSAYS	GOLD OZ. PER TON	SILVER OZ. PER TON	COPPER PER CENT	INSOL. PER CENT	ZINC PER CENT	SULPHUR PER CENT	ARSENIC PER CENT	IRON PER CENT
GARFIELD SM. CO.		.50	17.00					
CGT		.70	17.30					
UMPIRE JCC			17.18					
SETTLEMENT ASSAY		.60	17.25 ✓					

CAR INITIAL	NUMBER	WEIGHT

WEIGHT OF LOT .....

WEIGHT OF ..... SACKS 87500

WET WEIGHT 3.8 3325

LESS MOISTURE ..... %

VALUES PER TON		
GOLD ..... @		
SILVER ..... % 1. @	5.5	88.99
COPPER, LESS 14461		88.99
LESS TREATMENT		2.50

TREATMENT	
BASE	
INSOLUBLE ..... % @	
ZINC ..... % @	
SULPHUR ..... % @	
ARSENIC ..... $ @	
DEBIT	
IRON ..... % @	
NET TREATMENT	

DRY WEIGHT 84174 ✓ @ $ 86.49 PER TON 3640.10

FREIGHT ADVANCED, @ 7.25 317.19

ADVANCES Watching 4.23

SAMPLING

CORRECT ..... UMPIRE .....

CHECKED ..... ASSAYING 4.00 325.57

NET PROCEEDS 3314.53

Rates, except on contracts, subject to change without notice

rm 235 7 20 16 50M F W G Co 67761

GARFIELD SMELTING CO.

SALT LAKE CITY, UTAH, Feb. 19, 1917

BOUGHT OF Bromsell Mining Co. (Huntsman Lse.)

MINE ..... LOT NO. 50 CLASS Crude REC'D .....

SAMPLED BY Garfield ASSAYED ..... SHIPPING POINT St. Thomas, Nev.

QUOTATIONS OF 2-17-17 SILVER ..... COPPER Elec. 30.50

ASSAYS	GOLD OZ. PER TON	SILVER OZ. PER TON	COPPER PER CENT	INSOL. PER CENT	ZINC PER CENT	SULPHUR PER CENT	ARSENIC PER CENT	IRON PER CENT	CaO
GARFIELD SM. CO.		.65	15.00						
C&F		.40	15.15						
UMPIRE									
SETTLEMENT ASSAY		.52	15.07 ✓	21.80				12.00	10.9

CAR INITIAL	NUMBER	WEIGHT

VALUES PER TON

GOLD	@		
SILVER	1. @		
COPPER, LESS	@	5.6	78.79
4497			78.79
LESS TREATMENT			2.50

TREATMENT

BASE	
INSOLUBLE ..... % @	
ZINC ..... % @	
SULPHUR ..... % @	
ARSENIC ..... % @	
DEBIT	
IRON ..... % @	
NET TREATMENT	

WEIGHT OF LOT .....

WEIGHT OF ..... SACKS .....

WET WEIGHT 30760

LESS MOISTURE 3.0 % 922

DRY WEIGHT 29838 ✓ @ $ 76.29 PER TON 1138.17

FREIGHT ADVANCES 7.00 107.66

ADVANCES Under min. 4.54

SAMPLING Satching 1.54

UMPIRE .....

ASSAYING 4.00 117.74

CORRECT .....

CHECKED .....

NET PROCEEDS 1020.43

Rates, except on contracts, subject to change without notice

Form 235 7 20 16 50M F W G Co 87761

GARFIELD SMELTING CO.

SALT LAKE CITY, UTAH, Feb. 19, 1917

BOUGHT OF Bronzell Mining Co. (Topping Lee.)

MINE _____ LOT NO. 61 CLASS Crude REC'D _____

SAMPLED BY Garfield ASSAYED _____ SHIPPING POINT St. Thomas, Nev.

QUOTATIONS OF 2-15-17 SILVER _____ COPPER Elec. 30.50

ASSAYS	GOLD OZ. PER TON	SILVER OZ. PER TON	COPPER PER CENT	INSOL. PER CENT	ZINC PER CENT	SULPHUR PER CENT	ARSENIC PER CENT	IRON PER CENT	CaO
GARFIELD SM. CO.		.50	18.08						
C.R.I		.60	18.25						
UMPIRE									
SETTLEMENT ASSAY		.55	18.16 ✓	5.40				13.80	12.40

CAR INITIAL	NUMBER	WEIGHT

VALUES PER TON		
GOLD @		
SILVER % @		
COPPER, LESS 1. @ 5.6		96.30
1348		96.10
LESS TREATMENT		2.50

TREATMENT	
BASE	
INSOLUBLE % @	
ZINC % @	
SULPHUR % @	
ARSENIC % @	
DEBIT	
IRON % @	
NET TREATMENT	

WEIGHT OF LOT 7620
WEIGHT OF 77 SACKS 78
WET WEIGHT 7542
LESS MOISTURE 1.6 % 120

DRY WEIGHT 7422 ✓ @ $ 93.00 PER TON 347.55

FREIGHT ADVANCED @ 7.00 26.57

ADVANCES Under min. 1.13

SAMPLING Rem. sacks .90

UMPIRE Watering .38

ASSAYING 4.00 33.08

CORRECT

CHECKED

NET PROCEEDS 314.27

Rates, except on contracts, subject to change without notice

Form 255 7 20 16 50M F W & Co 87761

GARFIELD SMELTING CO.

SALT LAKE CITY, UTAH, March 7, 1917

BOUGHT OF Bronzell Mining Co.

MINE ..... LOT NO. 52 CLASS Crude REC'D .....

SAMPLED BY Garfield ASSAYED ..... SHIPPING POINT Bronzell, Nev.

QUOTATIONS OF 3-5-17 SILVER ..... COPPER Elec. 32.50

ASSAYS	GOLD OZ. PER TON	SILVER OZ. PER TON	COPPER PER CENT	INSOL. PER CENT	ZINC PER CENT	SULPHUR PER CENT	ARSENIC PER CENT	IRON PER CENT	Gold
GARFIELD SM. CO.		.50	15.50						
GMI		.60	15.42						
UMPIRE									
SETTLEMENT ASSAY		.60	15.36 ✓	24.40				14.50	8.70

CAR INITIAL	NUMBER	WEIGHT

VALUES PER TON		
GOLD ..... @		
SILVER ..... % 1. @	6.0	92.15
COPPER, LESS ..... @		92.15
13,760		
LESS TREATMENT		2.59

TREATMENT	
BASE	
INSOLUBLE ..... % @	
ZINC ..... % @	
SULPHUR ..... % @	
ARSENIC ..... % @	
DESIT	
IRON ..... % @	
NET TREATMENT	

WEIGHT OF LOT .....

WEIGHT OF ..... SACKS 86620

WET WEIGHT 2.9 2512

LESS MOISTURE ..... %

DRY WEIGHT 84108 ✓ @ $ 89.65 PER TON 3770.56

FREIGHT ADVANCED @ 7.25 514.00

ADVANCES Batching 4.33

SAMPLING

UMPIRE

ASSAYING 4.00 322.33

CORRECT

CHECKED

NET PROCEEDS 3448.23

Rates, except on contracts, subject to change without notice

Form 235 7 20 16 50M F W & Co 67761

GARFIELD SMELTING CO.

SALT LAKE CITY, UTAH. March 20, 1917

BOUGHT OF Bronsell Mng. Co.

MINE _____ LOT NO. 53 CLASS Crude REC'D _____

SAMPLED BY Garfield ASSAYED _____ SHIPPING POINT St. Thomas, Nev.

QUOTATIONS OF 3-24-17 SILVER _____ COPPER Mlcc. 31.75

ASSAYS	GOLD OZ. PER TON	SILVER OZ. PER TON	COPPER PER CENT	INSOL. PER CENT	ZINC PER CENT	SULPHUR PER CENT	ARSENIC PER CENT	IRON PER CENT	CaO
GARFIELD SM. CO.		.50	13.00						
C&F		.60	13.07						
UMPIRE									
SETTLEMENT ASSAY		.55	13.03	✓29.70				13.20	9.20

CAR INITIAL	NUMBER	WEIGHT

WEIGHT OF LOT _____

WEIGHT OF _____ SACKS _____

WET WEIGHT 90060

LESS MOISTURE 2.8 % 2522

VALUES PER TON		
GOLD _____ @ _____		
SILVER _____ % _____ @		
COPPER, LESS 1.0 @ 5.85		70.38
11,406		70.38
LESS TREATMENT		2.50

TREATMENT	
BASE	
INSOLUBLE % @	
ZINC % @	
SULPHUR % @	
ARSENIC % @	
DEBIT	
IRON % @	
NET TREATMENT	

DRY WEIGHT 87538 ✓ @ 67.88 PER TON 2971.04

FREIGHT ADVANCED @ 6.75 505.95

ADVANCES Watching 4.50

SAMPLING _____

UMPIRE _____

ASSAYING 4.00 312.45

CORRECT _____

CHECKED _____

NET PROCEEDS 2658.59

Rates, except on contracts, subject to change without notice

Form 235 7 20 16 50M F W & Co 87761

GARFIELD SMELTING CO.

SALT LAKE CITY, UTAH, April 21, 1917

BOUGHT OF Ryonsell Mining Co. Wilmon

MINE

LOT NO. 64 CLASS Crude REC'D

SAMPLED BY Garfield ASSAYED SHIPPING POINT St. Thomas, Nev.

QUOTATIONS OF 4-18-17 SILVER COPPER Elec. 29.75

ASSAYS	GOLD OZ. PER TON	SILVER OZ. PER TON	COPPER PER CENT	INSOL. PER CENT	ZINC PER CENT	SULPHUR PER CENT	ARSENIC PER CENT	IRON PER CENT
GARFIELD SM. CO.		.50	22.45					
G.M.		.90	22.75					
UMPIRE			22.50					16.00
SETTLEMENT ASSAY		.60	22.50	2.50				

CAR INITIAL	NUMBER	WEIGHT

VALUES PER TON

GOLD @

SILVER % @

COPPER, LESS 1. @ 5.45 117.18

8660 117.18

TREATMENT

BASE

INSOLUBLE % @

ZINC % @

SULPHUR % @

ARSENIC % @

DEBIT

IRON % @

NET TREATMENT

WEIGHT OF LOT

WEIGHT OF SACKS 39600

WET WEIGHT 5.0 % 1190

LESS MOISTURE

LESS TREATMENT 2.50

DRY WEIGHT 38490 40 M. Min. @ 114.68 PER TON 2207.02

FREIGHT ADVANCED @ 9.00 120.00

ADVANCES Tatching 1.98

SAMPLING 3.00

UMPIRE 4.00 128.98

CORRECT

CHECKED

ASSAYING

NET PROCEEDS 2078.04

Rates, except on contracts, subject to change without notice

Form 235 7 20 16 50M F W G Co 87761

GARFIELD SMELTING CO.

SALT LAKE CITY, UTAH. April 19, 1917

BOUGHT OF Bronzell Eng. Co.

MINE ..... LOT NO. 55 CLASS Crude REC'D .....

SAMPLED BY Garfield ASSAYED ..... SHIPPING POINT St. Thomas, Nev.

QUOTATIONS OF 4-16-17 SILVER ..... COPPER Elec. 29.75

ASSAYS	GOLD OZ. PER TON	SILVER OZ. PER TON	COPPER PER CENT	INSOL. PER CENT	ZINC PER CENT	SULPHUR PER CENT	ARSENIC PER CENT	IRON PER CENT	CaO
GARFIELD SM. CO.		.60	14.40						
Gaff		.90	14.50						
UMPIRE									
SETTLEMENT ASSAY		.75	14.45 ✓	23.30				12.40	10.2

CAR INITIAL	NUMBER	WEIGHT

VALUES PER TON		
GOLD @		
SILVER % 2c @	5.45	73.30
COPPER, LESS @		73.30
10,381		
LESS TREATMENT		2.50

TREATMENT	
BASE	
INSOLUBLE % @	
ZINC % @	
SULPHUR % @	
ARSENIC % @	
DEBIT	
IRON % @	
NET TREATMENT	

WEIGHT OF LOT .....

WEIGHT OF ..... SACKS 73760

WET WEIGHT 2.6 1916

LESS MOISTURE ..... %

DRY WEIGHT 71842 ✓ @ $ 70.80 6.75 PER TON 2543.21

FREIGHT ADVANCED, @ 243.34

ADVANCES Tatching

SAMPLING 3.69

UMPIRE

ASSAYING 4.00 256.63

CORRECT

CHECKED

NET PROCEEDS 2286.58

Rates, except on contracts, subject to change without notice

Form 235 7 20 16 50M F W & Co 87761

GARFIELD SMELTING CO.

SALT LAKE CITY, UTAH. May 3, 1917

BOUGHT OF Bronzell Mining Co.

MINE ..... LOT NO. 66 CLASS Crude REC'D .....

SAMPLED BY Garfield ASSAYED ..... SHIPPING POINT St. Thomas, Nev.

QUOTATIONS OF 4-30-17 SILVER ..... COPPER Elec. 25.75

ASSAYS	GOLD OZ. PER TON	SILVER OZ. PER TON	COPPER PER CENT	INSOL. PER CENT	ZINC PER CENT	SULPHUR PER CENT	ARSENIC PER CENT	IRON PER CENT
GARFIELD SM. CO.		.60	19.55					
C&N		1.00	19.77					
UMPIRE JWC		.70	19.73					
SETTLEMENT ASSAY		.70	19.73 ✓					

CAR INITIAL	NUMBER	WEIGHT

VALUES PER TON		
GOLD @		
SILVER % @		
COPPER, LESS 1% @	4.65	87.09
10,583		87.09
LESS TREATMENT		2.50

TREATMENT	
BASE	
INSOLUBLE % @	
ZINC % @	
SULPHUR % @	
ARSENIC % @	
DEBIT	
IRON % @	
NET TREATMENT	

WEIGHT OF LOT .....

WEIGHT OF ..... SACKS 59960

WET WEIGHT 2.2 % 1320

LESS MOISTURE

DRY WEIGHT 58640 ✓ @ 84.59 PER TON 2480.19

FREIGHT ADVANCED @ 7.25 217.36

ADVANCES Matching 8.00

SAMPLING 2.50

UMPIRE 4.00 226.86

ASSAYING

CORRECT

CHECKED

NET PROCEEDS 2253.32

Rates, except on contracts, subject to change without notice

Cars 24 11324

Form 235 7 20 16 50M F W G Co 87761

GARFIELD SMELTING CO.

SALT LAKE CITY, UTAH, June 4, 1917

BOUGHT OF Bronsoll Mining Co.

MINE ..... LOT NO. 57 CLASS Crude REC'D .....

SAMPLED BY Garfield ASSAYED ..... SHIPPING POINT St. Thomas, Nev.

QUOTATIONS OF 6-1-17 SILVER ..... COPPER Elec. 28.75

ASSAYS	GOLD OZ. PER TON	SILVER OZ. PER TON	COPPER PER CENT	INSOL. PER CENT	ZINC PER CENT	SULPHUR PER CENT	ARSENIC PER CENT	IRON PER CENT	CaO
GARFIELD SM. CO.		.60	18.43						
C&H		.70	18.41						
UMPIRE									
SETTLEMENT ASSAY		.65	18.42	24.40				10.20	9.00

CAR INITIAL	NUMBER	WEIGHT

VALUES PER TON		
GOLD ..... @		
SILVER ..... % ..... @		
COPPER, LESS 1. @	5.25	91.46
12,229.		91.46
LESS TREATMENT		2.50

TREATMENT	
BASE	
INSOLUBLE ..... % @	
ZINC ..... % @	
SULPHUR ..... % @	
ARSENIC ..... % @	
DEBIT	
IRON ..... % @	
NET TREATMENT	

WEIGHT OF LOT .....

WEIGHT OF ..... SACKS .....

WET WEIGHT 68940

LESS MOISTURE 3.7 % 2550

DRY WEIGHT 66390 @ $ 88.96 PER TON 2953.05

FREIGHT ADVANCED @ 7.25 249.91

Matching

ADVANCES 3.45

SAMPLING .....

CORRECT ..... UMPIRE .....

CHECKED ..... ASSAYING 4.00 257.36

NET PROCEEDS 2695.67

Rates, except on contracts, subject to change without notice

Form 235 7 20 16 50M FWECo 87761

GARFIELD SMELTING CO.

SALT LAKE CITY, UTAH. June 11, 1917

BOUGHT OF Bronzell Mining Co.

MINE ..... LOT NO. 58 CLASS Crude REC'D .....

SAMPLED BY Garfield ASSAYED ..... SHIPPING POINT St. Thomas, Nev.

QUOTATIONS OF 5-9-17 SILVER ..... COPPER Mec. 30.00

ASSAYS	GOLD OZ. PER TON	SILVER OZ. PER TON	COPPER PER CENT	INSOL. PER CENT	ZINC PER CENT	SULPHUR PER CENT	ARSENIC PER CENT	IRON PER CENT	CaO
GARFIELD SM. CO.		.55	18.50						
C&N		.60	18.30						
UMPIRE									
SETTLEMENT ASSAY		.57	18.40	23.50				11.60	10.0

CAR INITIAL	NUMBER	WEIGHT

WEIGHT OF LOT .....

WEIGHT OF ..... SACKS .....

WET WEIGHT 61220

LESS MOISTURE 2.6 % 1592

VALUES PER TON		
GOLD ..... @		
SILVER ..... % @		
COPPER, LESS 1. @	5.5	95.70
10.972		95.70
LESS TREATMENT		8.50

TREATMENT	
BASE	
INSOLUBLE % @	
ZINC % @	
SULPHUR % @	
ARSENIC % @	
DEBIT	
IRON % @	
NET TREATMENT	

DRY WEIGHT 59628 @ $ 95.20 PER TON 2778.66

FREIGHT ADVANCED, @ 7.50 229.58

ADVANCES

SAMPLING Watching 3.06

CORRECT

UMPIRE

CHECKED

ASSAYING 4.00 236.64

NET PROCEEDS 2542.02

Rates, except on contracts, subject to change without notice

Form 235. 7 20 16 50M F W G Co 87/61

GARFIELD SMELTING CO.

SALT LAKE CITY, UTAH, July 7, 1917

BOUGHT OF Bronzell Mining Co.

MINE _____ LOT NO. 59 CLASS Crude REC'D _____

SAMPLED BY Garfield ASSAYED _____ SHIPPING POINT St. Thomas, Nev.

QUOTATIONS OF 7-3-17 SILVER _____ COPPER Elec. 29.50

ASSAYS	GOLD OZ. PER TON	SILVER OZ. PER TON	COPPER PER CENT	INSOL. PER CENT	ZINC PER CENT	SULPHUR PER CENT	ARSENIC PER CENT	IRON PER CENT	CaO
GARFIELD SM. CO.		.60	20.92						
C&N		.70	20.03						
UMPIRE									
SETTLEMENT ASSAY		.65	20.97 ✓	20.90				13.80	8.50

CAR INITIAL	NUMBER	WEIGHT

VALUES PER TON		
GOLD @		
SILVER % @		
COPPER, LESS 1. @	5.4	107.30
15956		107.30
LESS TREATMENT		2.50

TREATMENT	
BASE	
INSOLUBLE % @	
ZINC % @	
SULPHUR % @	
ARSENIC % @	
DEBIT	
IRON % @	
NET TREATMENT	

WEIGHT OF LOT _____

WEIGHT OF _____ SACKS _____

WET WEIGHT 78950

LESS MOISTURE 3.2 % 2528

DRY WEIGHT 76452 ✓ @ $ 104.80 PER TON 4006.08

FREIGHT ADVANCED @ 9.00 355.41

ADVANCES Matching 3.95

SAMPLING _____

UMPIRE _____

ASSAYING 4.00 363.36

CORRECT _____

CHECKED _____

MB

Rates, except on contracts, subject to change without notice

NET PROCEEDS 3642.72

Form 235 7 20 16 50M F W & Co 87761

GARFIELD SMELTING CO.

SALT LAKE CITY, UTAH. Aug. 4, 1917

BOUGHT OF Bronzell Mng. Co.

MINE ..... LOT NO. 60 CLASS Crude REC'D .....

SAMPLED BY Garfield ASSAYED ..... SHIPPING POINT St. Thomas, Nev.

QUOTATIONS OF 7-31-17 SILVER ..... COPPER Elec. 24.50

ASSAYS	GOLD OZ. PER TON	SILVER OZ. PER TON	COPPER PER CENT	INSOL. PER CENT	ZINC PER CENT	SULPHUR PER CENT	ARSENIC PER CENT	IRON PER CENT	CaO
GARFIELD SM. CO.		.80	10.25						
		.85	18.30						
UMPIRE									
SETTLEMENT ASSAY		.82	18.27	19.80				13.00	10.50

CAR INITIAL	NUMBER	WEIGHT

VALUES PER TON		
GOLD @		
SILVER % @		
COPPER, LESS 1. @ 4.4		75.99
10.756		75.99
LESS TREATMENT		2.50

TREATMENT	
BASE	
INSOLUBLE % @	
ZINC % @	
SULPHUR % @	
ARSENIC % @	
DEBIT	
IRON % @	
NET TREATMENT	

WEIGHT OF LOT .....

WEIGHT OF ..... SACKS .....

WET WEIGHT 60580

LESS MOISTURE 2.5 % 1510

DRY WEIGHT 58870 @ $ 75.49 PER TON 2163.18

FREIGHT ADVANCES @ 7.0 211.53

ADVANCES Satching 5.02

SAMPLING .....

CORRECT ..... UMPIRE .....

CHECKED ..... ASSAYING 4.00 218.35

EB

NET PROCEEDS 1944.83

Rates, except on contracts, subject to change without notice

Form 235 7 20 16 50M F W G Co 87761

Manor

GARFIELD SMELTING CO.

SALT LAKE CITY, UTAH. Sept. 6, 1917

BOUGHT OF Brownell Mining Co.

MINE _____ LOT NO. 61 CLASS Crude REC'D _____

SAMPLED BY Garfield ASSAYED _____ SHIPPING POINT St. Thomas, Nev.

QUOTATIONS OF 8-27-17 SILVER _____ COPPER Nloc. 25.00

ASSAYS	GOLD OZ. PER TON	SILVER OZ. PER TON	COPPER PER CENT	INSOL. PER CENT	ZINC PER CENT	SULPHUR PER CENT	ARSENIC PER CENT	IRON PER CENT	CaO
GARFIELD SM. CO.		.40	16.90						
C&H		.40	16.76						
UMPIRE									
SETTLEMENT ASSAY		.40	16.83 ✓	17.40				12.90	14.70

CAR INITIAL	NUMBER	WEIGHT

WEIGHT OF LOT _____

WEIGHT OF _____ SACKS _____

WET WEIGHT _____ 75620

LESS MOISTURE 3.5 % 2646

VALUES PER TON		
GOLD _____ @		
SILVER _____ % _____ @		
COPPER, LESS 1. @	4.50	71.24
12,282		71.24
LESS TREATMENT		2.50

TREATMENT	
BASE	
INSOLUBLE % @	
ZINC % @	
SULPHUR % @	
ARSENIC % @	
DEBIT	
IRON % @	
NET TREATMENT	

DRY WEIGHT 72974 ✓ @ $ 68.74 PER TON 2508.12

FREIGHT ADVANCED @ 6.75 255.22

ADVANCES Watching 3.78

SAMPLING _____

CORRECT _____ UMPIRE _____

CHECKED Ur ASSAYING 4.00 263.00

MB

Rates, except on contracts, subject to change without notice

NET PROCEEDS 2245.12

Form 235 7 20 16.50 M F W & Co 87761

Dumpe

GARFIELD SMELTING CO.

SALT LAKE CITY, UTAH. Sept. 18, 1917

BOUGHT OF Bronzell Mining Co.

MINE ..... LOT NO. 62 CLASS Crude REC'D .....

SAMPLED BY Garfield ASSAYED ..... SHIPPING POINT St. Thomas, Nev.

QUOTATIONS OF 9-15-17 SILVER ..... COPPER Elec. 25.00

ASSAYS	GOLD OZ. PER TON	SILVER OZ. PER TON	COPPER PER CENT	INSOL. PER CENT	ZINC PER CENT	SULPHUR PER CENT	ARSENIC PER CENT	IRON PER CENT	CaO
GARFIELD SM. CO.		.45	14.50						
		.45	14.69						
UMPIRE									
SETTLEMENT ASSAY		.45	14.59 ✓	30.40				15.40	8.40

CAR INITIAL	NUMBER	WEIGHT

VALUES PER TON

GOLD ..... @		
SILVER ..... % @		
COPPER, LESS 1. @ 4.50		61.16
9,021		61.16

TREATMENT

BASE	
INSOLUBLE ..... % @	
ZINC ..... % @	
SULPHUR ..... % @	
ARSENIC ..... % @	
DEBIT	
IRON ..... % @	
NET TREATMENT	

WEIGHT OF LOT .....

WEIGHT OF ..... SACKS .....

WET WEIGHT 64340

LESS MOISTURE 3.9 % 2510

LESS TREATMENT 2.50

DRY WEIGHT 61830 ✓

..... @ $ 58.66 PER TON 1813.47

FREIGHT ADVANCED, @ 6.50 209.11

ADVANCES .....

SAMPLING Watching 5.22

UMPIRE .....

ASSAYING 4.00 216.33

CORRECT .....

CHECKED .....

MB

Rates, except on contracts, subject to change without notice

NET PROCEEDS 1597.14

Form 235 7-20-16 50M F W 6 6a 87161

GARFIELD SMELTING CO.

SALT LAKE CITY, UTAH. Oct. 18, 1917

BOUGHT OF Bronzell Mining Co.

MINE ..... LOT NO. 63 CLASS Crude REC'D .....

SAMPLED BY Garfield ASSAYED ..... SHIPPING POINT St. Thomas, Nev.

QUOTATIONS OF 10-16-17 SILVER ..... COPPER Elec. 23.50

ASSAYS	GOLD OZ. PER TON	SILVER OZ. PER TON	COPPER PER CENT	INSOL. PER CENT	ZINC PER CENT	SULPHUR PER CENT	ARSENIC PER CENT	IRON PER CENT	
GARFIELD SM. CO.		.70	21.50						
C&N		.70	21.61						
UMPIRE									
SETTLEMENT ASSAY		.70	21.55 ✓	15.70				12.30	11.80

CAR INITIAL	NUMBER	WEIGHT

VALUES PER TON

GOLD ..... @		
SILVER ..... % @		
COPPER, LESS 1.5 @	4.10	82.21
19627		82.21
LESS TREATMENT		4.00

TREATMENT

BASE	
INSOLUBLE ..... % @	
ZINC ..... % @	
SULPHUR ..... % @	
ARSENIC ..... % @	
DESIT	
IRON ..... % @	
NET TREATMENT	

WEIGHT OF LOT .....

WEIGHT OF ..... SACKS 94380

WET WEIGHT 3.5 % 3304

LESS MOISTURE

DRY WEIGHT 91076 ✓ @ $ 78.21 PER TON 3561.53

FREIGHT ADVANCED @ 7.00 320.33

ADVANCES Watching 4.72

SAMPLING .....

UMPIRE .....

ASSAYING 4.00 339.05

CORRECT .....

CHECKED .....

NB

Rates, except on contracts, subject to change without notice

NET PROCEEDS 3222.48

Form 235 7 20 16 50M F W & Co 87761

GARFIELD SMELTING CO.

SALT LAKE CITY, UTAH. Oct. 27, 1917

BOUGHT OF Bronzell Mining Co.

MINE ..... LOT NO. 64 CLASS Crude REC'D .....

SAMPLED BY Garfield ASSAYED ..... SHIPPING POINT St. Thomas, Nev.

QUOTATIONS OF 10-20-17 SILVER ..... COPPER Elec. 23.50

ASSAYS	GOLD OZ. PER TON	SILVER OZ. PER TON	COPPER PER CENT	INSOL. PER CENT	ZINC PER CENT	SULPHUR PER CENT	ARSENIC PER CENT	IRON PER CENT	CaO
GARFIELD SM. CO.		.30	13.12						
C&N		.30	13.37						
UMPIRE Union			13.27						
SETTLEMENT ASSAY		.30	13.27 ✓	2.40				15.50	17.0

CAR INITIAL	NUMBER	WEIGHT

WEIGHT OF LOT .....

WEIGHT OF ..... SACKS .....

WET WEIGHT 18560

LESS MOISTURE 2.4 % 446

VALUES PER TON		
GOLD ..... @		
SILVER ..... % @		
COPPER, LESS 10% @	4.10	48.97
2404		48.97
LESS TREATMENT		4.00

TREATMENT	
BASE	
INSOLUBLE ..... % @	
ZINC ..... % @	
SULPHUR ..... % @	
ARSENIC ..... % @	
DEBIT	
IRON ..... % @	
NET TREATMENT	

DRY WEIGHT 18114 ✓ @ $ 44.97 PER TON 407.29

FREIGHT ADVANCED, @ 6.75 62.64

ADVANCES

SAMPLING

UMPIRE Watching .93

ASSAYING 4.00 67.57

CORRECT .....

CHECKED .....

MB

Rates, except on contracts, subject to change without notice

NET PROCEEDS 339.72

Form 235 7 20 16 50M F W & Co 87761

GARFIELD SMELTING CO.

SALT LAKE CITY, UTAH, Oct. 27, 1917

BOUGHT OF Bronzell Mining Co.

MINE ..... LOT NO. 65 CLASS Crude REC'D .....

SAMPLED BY Garfield ASSAYED ..... SHIPPING POINT St. Thomas, Nev.

QUOTATIONS OF 10-18-17 SILVER ..... COPPER Elec. 23.50

ASSAYS	GOLD OZ. PER TON	SILVER OZ. PER TON	COPPER PER CENT	INSOL. PER CENT	ZINC PER CENT	SULPHUR PER CENT	ARSENIC PER CENT	IRON PER CENT	CaO
GARFIELD SM. CO.		.35	21.05						
		.50	21.31						
UMPIRE RHO			21.26						
SETTLEMENT ASSAY		.42	21.26	4.20				14.60	13.0

CAR INITIAL	NUMBER	WEIGHT

WEIGHT OF LOT .....

WEIGHT OF ..... SACKS .....

WET WEIGHT 24540

LESS MOISTURE 2.8 % 688

VALUES PER TON		
GOLD ..... @		
SILVER ..... % @		
COPPER, LESS 1.5 @	4.10	81.02
5071		81.02
LESS TREATMENT		4.00

TREATMENT	
BASE	
INSOLUBLE ..... % @	
ZINC ..... % @	
SULPHUR ..... % @	
ARSENIC ..... % @	
DEBIT	
IRON ..... % @	
NET TREATMENT	

DRY WEIGHT 23852 @ $ 77.02 PER TON 918.54

FREIGHT ADVANCED, @ 6.75 82.82

ADVANCES

SAMPLING

UMPIRE Watching 1.23

ASSAYING 4.00 88.05

CORRECT

CHECKED

NET PROCEEDS 830.49

MB

Rates, except on contracts, subject to change without notice

Form 235 7 20 16 50M F W & Co 87761

GARFIELD SMELTING CO.

SALT LAKE CITY, UTAH. Nov. 12, 1917

BOUGHT OF Bronzell Mining Co.

MINE ..... LOT NO. 66 CLASS Crude REC'D .....

SAMPLED BY Garfield ASSAYED ..... SHIPPING POINT St. Thomas, Nev.

QUOTATIONS OF 11-9-17 SILVER ..... COPPER Elec. 23.50

ASSAYS	GOLD OZ. PER TON	SILVER OZ. PER TON	COPPER PER CENT	INSOL. PER CENT	ZINC PER CENT	SULPHUR PER CENT	ARSENIC PER CENT	IRON PER CENT	CaO
GARFIELD SM. CO.		.50	17.75						
		.60	17.84						
UMPIRE									
SETTLEMENT ASSAY		.55	17.79 ✓	16.20				14.50	12.80

CAR INITIAL	NUMBER	WEIGHT

WEIGHT OF LOT .....

WEIGHT OF ..... SACKS .....

WET WEIGHT 84380

LESS MOISTURE 1.0 % 844

DRY WEIGHT 83536 ✓

VALUES PER TON		
GOLD ..... @		
SILVER ..... % @		
COPPER, LESS 1.5 @	4.10	66.79
14861		66.79
LESS TREATMENT		4.00

TREATMENT	
BASE	
INSOLUBLE ..... % @	
ZINC ..... % @	
SULPHUR ..... % @	
ARSENIC ..... % @	
DEBIT	
IRON ..... % @	
NET TREATMENT	

@ $ 62.79	PER TON		2622.61
FREIGHT ADVANCED, @ 6.75		284.78	
ADVANCES Assays		4.00	
SAMPLING Watching		4.22	293.00
UMPIRE			2329.61
ASSAYING 3% Gov.Ft.Tax			8.54
NET PROCEEDS			2321.07

CORRECT .....

CHECKED .....

MB

Rates, except on contracts, subject to change without notice

Form 235 7 20 16 50M F W & Co 87761

GARFIELD SMELTING CO.

SALT LAKE CITY, UTAH, Nov. 23, 1917

BOUGHT OF Bronzell Mining Co.

MINE _____ LOT NO. 67 CLASS Crude REC'D _____

SAMPLED BY Garfield ASSAYED _____ SHIPPING POINT St. Thomas, Nev.

QUOTATIONS OF 11-22-17 SILVER _____ COPPER Elec. 23.50

ASSAYS	GOLD OZ. PER TON	SILVER OZ. PER TON	COPPER PER CENT	INSOL. PER CENT	ZINC PER CENT	SULPHUR PER CENT	ARSENIC PER CENT	IRON PER CENT
GARFIELD SM. CO.		.45	15.50					
		.60	15.44					
UMPIRE								
SETTLEMENT ASSAY		.52	15.47					

CAR INITIAL	NUMBER	WEIGHT

VALUES PER TON		
GOLD	@	
SILVER	% @	
COPPER, LESS 1.5 @ 4.1		57.28
7/53		57.28
LESS TREATMENT		4.00

TREATMENT	
BASE	
INSOLUBLE	% @
ZINC	% @
SULPHUR	% @
ARSENIC	% @
DEBIT	
IRON	% @
NET TREATMENT	

WEIGHT OF LOT _____

WEIGHT OF _____ SACKS _____

WET WEIGHT 48520

LESS MOISTURE 4.7 % 2280

DRY WEIGHT 46240 @ $ 53.28 PER TON 1231.83

FREIGHT ADVANCED, @ 6.50 157.69

ADVANCES Watching 2.43

SAMPLING Assays 4.00 164.12

1067.71

UMPIRE _____

ASSAYING 3% Gov.Frt.Tax 4.73

CORRECT _____

CHECKED _____

Rates, except on contracts, subject to change without notice

NET PROCEEDS 1062.98

Form 235 7 20 16 50M F W 66a 67761

GARFIELD SMELTING CO.

SALT LAKE CITY, UTAH, Dec. 17, 1917

BOUGHT OF Bronzell Mining Co.

MINE ____ LOT NO. 68 CLASS Crude REC'D ____

SAMPLED BY Garfield ASSAYED ____ SHIPPING POINT St. Thomas, Nev.

QUOTATIONS OF 12-13-17 SILVER ____ COPPER Elec. 23.50

ASSAYS	GOLD OZ. PER TON	SILVER OZ. PER TON	COPPER, PER CENT	INSOL. PER CENT	ZINC PER CENT	SULPHUR PER CENT	ARSENIC PER CENT	IRON PER CENT
GARFIELD SM. CO.		.45	14.15					
		.50	14.25					
UMPIRE								
SETTLEMENT ASSAY		.47	14.20	20.40				14.50

CAR INITIAL	NUMBER	WEIGHT

VALUES PER TON

GOLD @		
SILVER % @		
COPPER, LESS 10% @ 4.10		52.40
13744		52.40
LESS TREATMENT		4.00

TREATMENT

BASE ____

INSOLUBLE ____ % @

ZINC ____ % @

SULPHUR ____ % @

ARSENIC ____ % @

DEBIT ____

IRON ____ % @

NET TREATMENT ____

WEIGHT OF LOT ____

WEIGHT OF ____ SACKS ____

WET WEIGHT 98060

LESS MOISTURE 1.3 % 1274

DRY WEIGHT 96786

@ $ 48.40	PER TON -		2342.22
FREIGHT ADVANCED, @ 6.00		294.19	
ADVANCES	Watching	4.90	
SAMPLING	Assays	4.00	303.08
UMPIRE			2039.14
ASSAYING	3% G.F.Tax		8.63
NET PROCEEDS			2030.51

CORRECT ____

CHECKED ____

MB

Rates, except on contracts, subject to change without notice

Form 235 7 20 16 50M F W & Co 87761

GARFIELD SMELTING CO.

SALT LAKE CITY, UTAH, Jan. 22, 1918

BOUGHT OF Bronzell Mining Co.

MINE _____ LOT NO. 69 CLASS Crude REC'D _____

SAMPLED BY Garfield ASSAYED _____ SHIPPING POINT St. Thomas, N.

QUOTATIONS OF 1-21-18 SILVER _____ COPPER Elec. 23.50

ASSAYS	GOLD OZ. PER TON	SILVER OZ. PER TON	COPPER PER CENT	INSOL. PER CENT	ZINC PER CENT	SULPHUR PER CENT	~~ARSENIC~~ CaO PER CENT	IRON PER CENT
GARFIELD SM. CO.		.50	14.50					
C&F		.50	14.60					
UMPIRE								
SETTLEMENT ASSAY		.50	14.55	20.00			12.20	15.40

CAR INITIAL	NUMBER	WEIGHT

WEIGHT OF LOT _____

WEIGHT OF _____ SACKS 74060

WET WEIGHT 4.0 2962

LESS MOISTURE _____ %

VALUES PER TON		
GOLD _____ @		
SILVER _____ % 10% @		
COPPER, LESS @	4.1	53.69
10,345		53.69
LESS TREATMENT		4.00

TREATMENT	
BASE _____	
INSOLUBLE _____ % @	
ZINC _____ % @	
SULPHUR _____ % @	
ARSENIC _____ % @	
DEBIT	
IRON _____ % @	
NET TREATMENT	

DRY WEIGHT 71098

@ $	49.69	PER TON	1766.43
FREIGHT ADVANCED @	6.00	222.18	
ADVANCES	Watching	3.70	
SAMPLING	Assays	4.00	229.88
UMPIRE			1536.55
ASSAYING	3% G.P. Tax		6.67
NET PROCEEDS			1529.88

CORRECT _____

CHECKED _____

NB

Rates, except on contracts, subject to change without notice

Form 235 7 20 1/50M F W & Co 87761

GARFIELD SMELTING CO.

SALT LAKE CITY, UTAH. Feb. 21, 1918

BOUGHT OF Bronzell Mining Co.

MINE ..... LOT NO. 70 CLASS Crude REC'D .....

SAMPLED BY Garfield ASSAYED ..... SHIPPING POINT St. Thomas, Nev.

QUOTATIONS OF 2-20-18 SILVER ..... COPPER Elec. 23.50

ASSAYS	GOLD OZ. PER TON	SILVER OZ. PER TON	COPPER PER CENT	INSOL. PER CENT	ZINC PER CENT	SULPHUR PER CENT	ARSENIC PER CENT	IRON PER CENT	CaO
GARFIELD SM. CO.		.40	15.75						
		.50	15.84						
UMPIRE									
SETTLEMENT ASSAY		.45	15.79 ✓	21.50				13.70	10.5

CAR INITIAL	NUMBER	WEIGHT

VALUES PER TON		
GOLD ..... @		
SILVER ..... % @		
COPPER, LESS 1.5 @	4.10	58.59
14.208		58.59
LESS TREATMENT		4.00

TREATMENT	
BASE	
INSOLUBLE ..... % @	
ZINC ..... % @	
SULPHUR ..... % @	
ARSENIC ..... $ @	
DEBIT	
IRON ..... % @	
NET TREATMENT	

WEIGHT OF LOT .....

WEIGHT OF ..... SACKS 92480

WET WEIGHT

LESS MOISTURE 2.7 % 2496

DRY WEIGHT 89984 ✓

@ $ 54.59	PER TON		2456.11
FREIGHT ADVANCED, @ 6.50		300.56	
ADVANCES	Watching	4.62	
SAMPLING	Assays	4.00	309.18
UMPIRE			2146.93
ASSAYING	3% C.F.Tax		9.02
NET PROCEEDS			2137.91

CORRECT .....

CHECKED .....

NB

Rates, except on contracts, subject to change without notice

Form 235 7 20 16 50M F W G Co 87761

GARFIELD SMELTING CO.

SALT LAKE CITY, UTAH. Mar. 21, 1918

BOUGHT OF Bronzell Mining Co.

MINE ..... LOT NO. 71 CLASS Crude REC'D .....

SAMPLED BY Garfield ASSAYED ..... SHIPPING POINT St. Thomas, Nev.

QUOTATIONS OF 3-20-18 SILVER ..... COPPER Elec. 23.50

ASSAYS	GOLD OZ. PER TON	SILVER OZ. PER TON	COPPER PER CENT	INSOL. PER CENT	ZINC PER CENT	SULPHUR PER CENT	ARSENIC PER CENT	IRON PER CENT	CaO
GARFIELD SM. CO.		.40	14.89						
O&N		.50	15.00						
UMPIRE									
SETTLEMENT ASSAY		.45	14.94	17.60				17.10	9.60

CAR INITIAL	NUMBER	WEIGHT

WEIGHT OF LOT .....

WEIGHT OF ..... SACKS

WET WEIGHT 80620

LESS MOISTURE 3.9 % 3144

DRY WEIGHT 77476

VALUES PER TON		
GOLD ..... @		
SILVER ..... % @		
COPPER, LESS 10% @ 4.1		55.13
10529		55.13
LESS TREATMENT		4.00

TREATMENT	
BASE	
INSOLUBLE ..... % @	
ZINC ..... % @	
SULPHUR ..... % @	
ARSENIC ..... % @	
DEBIT	
IRON ..... % @	
NET TREATMENT	

@ $	51.13	PER TON	1980.67
FREIGHT ADVANCED	6.00		241.86
ADVANCES	Watching		4.03
SAMPLING	Assays		4.00
UMPIRE			249.89
			1730.78
ASSAYING	3% U.F.Tax		7.26
NET PROCEEDS			1723.52

CORRECT .....

CHECKED .....

MB

Rates, except on contracts, subject to change without notice

Form 235 7 20 16 50M F W & Co 87761

GARFIELD SMELTING CO.

SALT LAKE CITY, UTAH. Apr. 29, 1918

BOUGHT OF Bronsoll Mining Co.

MINE ..... LOT NO. 72 CLASS Crude REC'D .....

SAMPLED BY Garfield ASSAYED ..... SHIPPING POINT St. Thomas, Nev.

QUOTATIONS OF 4-26-18 SILVER ..... COPPER Elec. 23.50

ASSAYS	GOLD OZ. PER TON	SILVER OZ. PER TON	COPPER PER CENT	INSOL. PER CENT	ZINC PER CENT	SULPHUR PER CENT	ARSENIC PER CENT	IRON PER CENT	CaO
GARFIELD SM. CO.		.40	16.19						
C&N		.40	16.30						
UMPIRE JWC			16.37						
SETTLEMENT ASSAY		.40	16.30	18.20				12.10	13.0

CAR INITIAL	NUMBER	WEIGHT

VALUES PER TON		
GOLD @		
SILVER % @		
COPPER, LESS Max 1.5 @ 4.10		60.68
11,140		60.68
LESS TREATMENT		4.00

TREATMENT	
BASE	
INSOLUBLE % @	
ZINC % @	
SULPHUR % @	
ARSENIC % @	
DEBIT	
IRON % @	
NET TREATMENT	

WEIGHT OF LOT .....

WEIGHT OF ..... SACKS 70240

WET WEIGHT 2.7 % 1896

LESS MOISTURE .....

DRY WEIGHT 68344 ✓ @ $ 56.68 PER TON 1936.87

FREIGHT ADVANCED, @ 6.50 228.28

ADVANCES Watching 8.51

SAMPLING Assays 4.00 235.79

UMPIRE 1701.08

ASSAYING 3% G.F.Tax 6.85

CORRECT .....

CHECKED .....

NB

Rates, except on contracts, subject to change without notice

NET PROCEEDS 1694.23

Form 235 7 20 16 50M F W G Co 87761

GARFIELD SMELTING CO.

SALT LAKE CITY, UTAH, May 14, 1918

BOUGHT OF Bronzell Mng. Co.

MINE ..... LOT NO. 73 CLASS Crude REC'D .....

SAMPLED BY Garfield ASSAYED ..... SHIPPING POINT St. Thomas, Nev.

QUOTATIONS OF 5-11-18 SILVER 99-1/2 COPPER Elec. 23.50

ASSAYS	GOLD OZ. PER TON	SILVER OZ. PER TON	COPPER PER CENT	INSOL. PER CENT	ZINC PER CENT	SULPHUR PER CENT	ARSENIC PER CENT	IRON PER CENT	CaO
GARFIELD SM. CO.		1.25	36.15						
C&N		1.15	36.16						
UMPIRE									
SETTLEMENT ASSAY		1.20	36.15	14.20				8.20	4.70

CAR INITIAL	NUMBER	WEIGHT

WEIGHT OF LOT .....
WEIGHT OF ..... SACKS .....
WET WEIGHT 33940
LESS MOISTURE 2.2 % 746

VALUES PER TON			
GOLD		@	
SILVER	95 %	@ 99-1/2	1.13
COPPER, LESS	1.5 %	@ 4.10	142.07
12,000			143.20
LESS TREATMENT			4.00

TREATMENT	
BASE	
INSOLUBLE ..... % @	
ZINC ..... % @	
SULPHUR ..... % @	
ARSENIC ..... % @	
DEBIT	
IRON ..... % @	
NET TREATMENT	

DRY WEIGHT 33194 @ $ 139.20 PER TON 2310.30

FREIGHT ADVANCED, @ 7.25 123.03

ADVANCES Watching 1.70

SAMPLING Assays 4.00 128.73

UMPIRE 2181.57

ASSAYING 3% G.P.Tax 3.69

CORRECT .....

CHECKED .....

MB

Rates, except on contracts, subject to change without notice

NET PROCEEDS 2177.88

Form 235 7 20 16 50M F W G Co 87761

GARFIELD SMELTING CO.

SALT LAKE CITY, UTAH, May 14, 1918

BOUGHT OF Bronzell Mng. Co.

MINE _____ LOT NO. 74 CLASS Crude REC'D _____

SAMPLED BY Garfield ASSAYED _____ SHIPPING POINT St. Thomas, Nev.

QUOTATIONS OF 5-11-18 SILVER _____ COPPER Elec. 23.50

ASSAYS	GOLD OZ. PER TON	SILVER OZ. PER TON	COPPER PER CENT	INSOL. PER CENT	ZINC PER CENT	SULPHUR PER CENT	ARSENIC PER CENT	IRON PER CENT	CaO
GARFIELD SM. CO.		.40	14.45						
C&N		.50	14.46						
UMPIRE									
SETTLEMENT ASSAY		.45	14.45 ✓	17.80				14.30	12.3

CAR INITIAL	NUMBER	WEIGHT

WEIGHT OF LOT _____

WEIGHT OF _____ SACKS 56860

WET WEIGHT 2.6 1478

LESS MOISTURE _____ %

VALUES PER TON		
GOLD _____ @		
SILVER _____ % 10% @	4.1	53.32
COPPER, LESS 8 003 @		53.32
LESS TREATMENT		4.00

TREATMENT	
BASE _____	
INSOLUBLE _____ % @	
ZINC _____ % @	
SULPHUR _____ % @	
ARSENIC _____ % @	
DEBIT	
IRON _____ % @	
NET TREATMENT	

DRY WEIGHT 55382 ✓ @ $ 49.32 PER TON 1365.72

FREIGHT ADVANCED @ 7.25 205.12

ADVANCES Watching 2.84

SAMPLING Assays 4.00 212.96

UMPIRE 1152.76

ASSAYING 5% G.F.Tax 6.18

CORRECT _____

CHECKED _____

MB

Rates, except on contracts, subject to change without notice

NET PROCEEDS 1146.58

Form 235 7 20 16 50M F W C Co 87761

GARFIELD SMELTING CO.

SALT LAKE CITY, UTAH. May 25, 1918

BOUGHT OF Bronzell Mining Co.

MINE ..... LOT NO. 75 CLASS Crude REC'D .....

SAMPLED BY Garfield ASSAYED ..... SHIPPING POINT St. Thomas, Nev.

QUOTATIONS OF 5-22-18 SILVER ..... COPPER Elec. 23.50

ASSAYS	GOLD OZ. PER TON	SILVER OZ. PER TON	COPPER PER CENT	INSOL. PER CENT	ZINC PER CENT	SULPHUR PER CENT	ARSENIC PER CENT	IRON PER CENT	CaO
GARFIELD SM. CO.		.65	12.85						
C&N		.60	12.95						
UMPIRE									
SETTLEMENT ASSAY		.62	12.90	16.40				14.00	15.20

CAR INITIAL	NUMBER	WEIGHT

VALUES PER TON

GOLD ..... @		
SILVER ..... %	10% @ 4.1	47.60
COPPER, LESS 7367		47.60
LESS TREATMENT		4.00

TREATMENT

BASE	
INSOLUBLE ..... % @	
ZINC ..... % @	
SULPHUR ..... % @	
ARSENIC ..... % @	
DEBIT	
IRON ..... % @	
NET TREATMENT	

WEIGHT OF LOT .....

WEIGHT OF ..... SACKS .....

WET WEIGHT 57660

LESS MOISTURE 1.0 % 576

DRY WEIGHT 57084

@ $	43.60	PER TON	1244.43
FREIGHT ADVANCED @	6.00	172.98	
ADVANCES	Watching	2.88	
SAMPLING	Assays	4.00	179.86
UMPIRE			1064.57
ASSAYING	3% G.F.Tax		5.19
NET PROCEEDS			1059.38

CORRECT .....

CHECKED MB

MB

Rates, except on contracts, subject to change without notice

Form 235 1 31 18 50M F W & Co 96235

GARFIELD SMELTING CO.

SALT LAKE CITY, UTAH. Aug. 16, 1918

BOUGHT OF Bronzell Mining Co.

MINE

LOT NO. 77 CLASS Crude REC'D

SAMPLED BY UOS

ASSAYED 99-5/8 SHIPPING POINT St. Thomas, Nev.

QUOTATIONS OF 8-15-18 SILVER Less 3¢ COPPER Elec. 26.00 Less 3.3

ASSAYS	GOLD OZ. PER TON	SILVER OZ. PER TON	COPPER PER CENT	INSOL. PER CENT	ZINC PER CENT	SULPHUR PER CENT	ARSENIC PER CENT	IRON PER CENT	CaO
GARFIELD SM. CO.		1.40	18.35						
C&H		1.50	18.47						
UMPIRE									
SETTLEMENT ASSAY		1.45	18.41 ✓	18.20				12.50	12.0

CAR INITIAL	NUMBER	WEIGHT

VALUES PER TON			
GOLD	@		
SILVER 95 %	@	96-5/8	1.33
COPPER, LESS Max 1.5	@	4.54	76.77
10,279			78.10
LESS TREATMENT			4.50

TREATMENT	
BASE	
INSOLUBLE % @	
ZINC % @	
SULPHUR % @	
ARSENIC % @	
DEBIT	
IRON % @	
NET TREATMENT	

WEIGHT OF LOT

WEIGHT OF SACKS

WET WEIGHT 56400

LESS MOISTURE 1.0 % 564

DRY WEIGHT 55836 ✓

@ $ 73.60 PER TON 2054.76

FREIGHT ADVANCED @ 6.90 248.16

ADVANCES Sampling 23.74 271.90

SAMPLING

UMPIRE 1782.86

ASSAYING 3% War Tax 7.44

CORRECT

CHECKED

MB

Rates, except on contracts, subject to change without notice

NET PROCEEDS 1775.42

Form 235 7 20 16 50M F W G Co 87761

GARFIELD SMELTING CO.

SALT LAKE CITY, UTAH. July 8, 1918

BOUGHT OF Brongell Mng. Co.

MINE _____ LOT NO. 76 CLASS Crude REC'D _____

SAMPLED BY Garfield ASSAYED _____ SHIPPING POINT St. Thomas, Nev.

.2¢ Quotation in effect July 2 —

QUOTATIONS OF 7-1-18 SILVER _____ COPPER Elec. 23.50

ASSAYS	GOLD OZ. PER TON	SILVER OZ. PER TON	COPPER PER CENT	INSOL. PER CENT	ZINC PER CENT	SULPHUR PER CENT	ARSENIC PER CENT	IRON PER CENT	CaO
GARFIELD SM. CO.		.45	13.70						
C&H		.50	13.92						
UMPIRE Union			13.87						
SETTLEMENT ASSAY		.47	13.87	20.50				14.00	13.4

CAR INITIAL	NUMBER	WEIGHT

VALUES PER TON		
GOLD @		
SILVER % @		
COPPER, LESS 10% @ 4.04		50.43
11,527		50.43
LESS TREATMENT		4.50

TREATMENT	
BASE	
INSOLUBLE % @	
ZINC % @	
SULPHUR % @	
ARSENIC % @	
DEBIT	
IRON % @	
NET TREATMENT	

WEIGHT OF LOT _____

WEIGHT OF _____ SACKS _____

WET WEIGHT 84120

LESS MOISTURE 1.2 % 1010

DRY WEIGHT 83110 ✓

@ 45.93 PER TON 1908.62

FREIGHT ADVANCED @ 6.00 252.36

ADVANCES Watching 4.21

SAMPLING Assays 4.00 260.57

UMPIRE 1648.05

ASSAYING 3% War Tax 7.57

CORRECT _____

CHECKED _____

HB

Rates, except on contracts, subject to change without notice

NET PROCEEDS 1640.48

Form 235 1 31 18 50M F W G Co 56235

GARFIELD SMELTING CO.

SALT LAKE CITY, UTAH, Oct. 2, 1918

BOUGHT OF Bronzell Mng. Co.

MINE _____ LOT NO. 78 CLASS Crude REC'D _____

SAMPLED BY UOS ASSAYED _____ SHIPPING POINT St. Thomas, Nev.

QUOTATIONS OF 9-27-18 SILVER 101-1/8 less 3% COPPER Elec. 26.00 less 3.3

ASSAYS	GOLD OZ. PER TON	SILVER OZ. PER TON	COPPER PER CENT	INSOL. PER CENT	ZINC PER CENT	SULPHUR PER CENT	ARSENIC PER CENT	IRON PER CENT	CaO
GARFIELD SM. CO.	.02	1.40	16.90						
C&N	.035	1.50	17.01						
UMPIRE RHO	.033		17.09						
SETTLEMENT ASSAY	.033	1.45	17.01	16.80				11.90	12.10

CAR INITIAL	NUMBER	WEIGHT

VALUES PER TON

GOLD		@ 19.00	.63
SILVER	95 %	@ 98-1/8	1.35
COPPER	Max. 1.5	@ 4.54	70.42
	8576		72.40
LESS TREATMENT			4.50

TREATMENT

BASE _____

INSOLUBLE _____ % @

ZINC _____ % @

SULPHUR _____ % @

ARSENIC _____ % @

DEBIT _____

IRON _____ % @

NET TREATMENT _____

WEIGHT OF LOT _____

WEIGHT OF _____ SACKS _____

WET WEIGHT 51080

LESS MOISTURE 1.3 % 664

DRY WEIGHT 50416

@ $ 67.90 PER TON 1711.62

FREIGHT ADVANCED @ 9.40 214.54

ADVANCES Sampling 21.87 236.41

SAMPLING _____

UMPIRE _____ 1475.21

ASSAYING _____ 3% War Tax 6.44

CORRECT _____

CHECKED _____

MB

Rates, except on contracts, subject to change without notice

NET PROCEEDS Check sent to 1468.77

H. Gentry, St Thomas, Nev

235 1 31 18 50M F W C Co 96235

GARFIELD SMELTING CO.

SALT LAKE CITY, UTAH, Dec. 14, 1918

IGHT OF Bronzell Mining Co.

MINE ..... LOT NO. 79 CLASS Crude REC'D .....

SAMPLED BY UOS ASSAYED ..... SHIPPING POINT St. Thomas, N.

QUOTATIONS OF 12-12-18 SILVER ..... COPPER Elec. 26.00 less 3.3

ASSAYS	GOLD OZ. PER TON	SILVER OZ. PER TON	COPPER PER CENT	INSOL. PER CENT	ZINC PER CENT	SULPHUR PER CENT	ARSENIC PER CENT	IRON PER CENT	CaO
GARFIELD SM. CO.		.50	13.99						
C&N		.65	14.04						
UMPIRE									
SETTLEMENT ASSAY		.57	14.01	14.80				16.20	12.56

CAR INITIAL	NUMBER	WEIGHT

VALUES PER TON			
GOLD	@		
SILVER	@		
COPPER, LESS 10%	@	4.54	57.24
8 855			57.24
LESS TREATMENT			4.50

TREATMENT		
BASE		
INSOLUBLE	%@	
ZINC	%@	
SULPHUR	%@	
ARSENIC	$@	
DEBIT		
IRON	$@	
NET TREATMENT		

WEIGHT OF LOT .....

WEIGHT OF ..... SACKS .....

WET WEIGHT 64100

LESS MOISTURE 1.4 % 897

DRY WEIGHT	63203	@ $ 52.74	PER TON	1666.66
		FREIGHT ADVANCES @ 8.10	259.61	
		ADVANCES Sampling	25.44	285.05
		SAMPLING		
CORRECT		UMPIRE		1380.61
CHECKED		ASSAYING 3% War Tax		7.79
		NET PROCEEDS		1372.82

HB

Rates, except on contracts, subject to change without notice

Check sent to H. Bailey St. Thomas - Dec 16/18

Form 245 1 31 18 50M F W G Co 96235

GARFIELD SMELTING CO.

Preliminary - Balance copper 120 days

SALT LAKE CITY, UTAH, Feb. 21, 1919

BOUGHT OF Bronzell Mining Co.

MINE

LOT NO. 80 CLASS Crude REC'D

SAMPLED BY UOS ASSAYED SHIPPING POINT St. Thomas, N.

QUOTATIONS OF 2-20-19 SILVER COPPER Elec. 15.00 less 3.3

ASSAYS	GOLD OZ. PER TON	SILVER OZ. PER TON	COPPER PER CENT	INSOL. PER CENT	ZINC PER CENT	SULPHUR PER CENT	ARSENIC PER CENT	IRON PER CENT	CaO
GARFIELD SM. CO.		.85	18.85						
C&N		.90	19.05						
UMPIRE									
SETTLEMENT ASSAY		.87	18.95 ✓	21.60				9.50	13.0

CAR INITIAL	NUMBER	WEIGHT

VALUES PER TON

GOLD		@	
SILVER	%	@	
COPPER, LESS	1.5	@ 2.34	40.83
12642			40.83
LESS TREATMENT			4.50

TREATMENT

BASE	
INSOLUBLE	% @
ZINC	% @
SULPHUR	% @
ARSENIC	% @
DEBIT	
IRON	% @
NET TREATMENT	

WEIGHT OF LOT

WEIGHT OF SACKS 67320

WET WEIGHT .9 606

LESS MOISTURE %

DRY WEIGHT 66714 ✓

@ $ 36.33 PER TON 1211.86

FREIGHT ADVANCED @ 6.60 222.16

ADVANCES Sampling 27.57 249.73

SAMPLING 962.13

UMPIRE 5% war tax 6.66

ASSAYING

Ut.Assn. of Cr.Men per assignment 2-12-19 300.00

Bronzell Mng. Co. 655.47

CORRECT

CHECKED

NET PROCEEDS 955.47

NB Rates, except on contracts, subject to change without notice

Form 235 3 18 50M F W 6 C6 96235

GARFIELD SMELTING CO.

Correction a/c final copper quot.

SALT LAKE CITY, UTAH, June 27, 1919

BOUGHT OF Bronzell Mng. Co.

MINE ..... LOT NO. 80 CLASS ..... REC'D .....

SAMPLED BY ..... ASSAYED ..... SHIPPING POINT .....

QUOTATIONS OF 6-20-19 SILVER ..... COPPER Elec. 17.60 less 3.5

ASSAYS	GOLD OZ. PER TON	SILVER OZ. PER TON	COPPER PER CENT	INSOL. PER CENT	ZINC PER CENT	SULPHUR PER CENT	ARSENIC PER CENT	IRON PER CENT
GARFIELD SM. CO.								
UMPIRE								
SETTLEMENT ASSAY			18.95					

CAR INITIAL	NUMBER	WEIGHT

WEIGHT OF LOT .....
WEIGHT OF ..... SACKS .....
WET WEIGHT .....
LESS MOISTURE ..... %

VALUES PER TON		
GOLD ..... @		
SILVER ..... % @		
COPPER, LESS 1.5 @	2.86	49.91
		49.91
LESS TREATMENT		4.50

TREATMENT	
BASE	
INSOLUBLE ..... % @	
ZINC ..... % @	
SULPHUR ..... % @	
ARSENIC ..... % @	
DEBIT	
IRON ..... % @	
NET TREATMENT	

DRY WEIGHT ..... @	$ 45.41	PER TON	1514.74
FREIGHT ADVANCES	7.50	252.45	
ADVANCES	Sampling	27.57	280.02
			1234.72
SAMPLING		3% war tax	7.57
UMPIRE			1227.15 c/n
ASSAYING			955.47 paid
NET PROCEEDS			271.68 dif.

CORRECT .....
CHECKED .....

MB

Rates, except on contracts, subject to change without notice

Form 235 1-31-18 50M F W & Co 96235

GARFIELD SMELTING CO.

SALT LAKE CITY, UTAH, May 2, 1919

BOUGHT OF Bronzell Mining Co.

MINE ..... LOT NO. 81 CLASS Crude REC'D .....

SAMPLED BY WOS ASSAYED ..... SHIPPING POINT St. Thomas, N.

QUOTATIONS OF 4-29-19 SILVER 101-1/8 less 3.0 COPPER Elec. 15.175 less 20% & 3.5

ASSAYS	GOLD OZ. PER TON	SILVER OZ. PER TON	COPPER PER CENT	INSOL. PER CENT	ZINC PER CENT	SULPHUR PER CENT	ARSENIC PER CENT	IRON PER CENT	CaO
GARFIELD SM. CO.		.90	24.46						
C&J		1.30	24.60						
UMPIRE JWO		1.17							
SETTLEMENT ASSAY		1.17	24.53 ✓	16.60				12.10	9.00

AR INITIAL	NUMBER	WEIGHT

VALUES PER TON			
GOLD		@	
SILVER	95 %	@ 98-1/8	1.09
COPPER Mar. less	1.5	@ 1.768	40.72
16 917			41.81
LESS TREATMENT			4.50

TREATMENT	
BASE	
INSOLUBLE ..... % @	
ZINC ..... % @	
SULPHUR ..... % @	
ARSENIC ..... % @	
DEBIT	
IRON ..... % @	
NET TREATMENT	

VEIGHT OF LOT .....

VEIGHT OF ..... SACKS .....

VET WEIGHT 69660

ESS MOISTURE 1.0 % 697

DRY WEIGHT 68963 ✓

@	37.31	PER TON	1286.50
FREIGHT ADVANCED, @	6.60	229.88	
ADVANCES Sampling		28.38	258.26
SAMPLING			
UMPIRE			1028.24
ASSAYING	3% war tax		6.90
NET PROCEEDS			1021.34

OORRECT .....

CHECKED .....

MB

Rates, except on contracts, subject to change without notice

Form 235 1 31 18 50M F W G Co 96235

GARFIELD SMELTING CO.

SALT LAKE CITY, UTAH Jan. 23, 1920

BOUGHT OF Bronzell Mining Co.,

MINE LOT NO. 83 CLASS Crude REC'D

SAMPLED BY UOS ASSAYED SHIPPING POINT St. Thomas, Nev.

QUOTATIONS OF 1-20-20 SILVER COPPER Elec. 19.05 less 3.5

ASSAYS	GOLD OZ. PER TON	SILVER OZ. PER TON	COPPER PER CENT	INSOL. PER CENT	ZINC PER CENT	SULPHUR PER CENT	ARSENIC PER CENT	IRON PER CENT
GARFIELD SM. CO.		.90	29.53					
C&N		.90	29.53					
UMPIRE								
SETTLEMENT ASSAY		.90	29.53	10.40				10.10

CAR INITIAL	NUMBER	WEIGHT

VALUES PER TON		
GOLD	@	
SILVER %	@	
COPPER, LESS 1.0	@ 3.120	88.73
17,890		88.73
LESS TREATMENT		5.00

TREATMENT	
BASE	
INSOLUBLE % @	
ZINC % @	
SULPHUR % @	
ARSENIC % @	
DEBIT	
IRON % @	
NET TREATMENT	

WEIGHT OF LOT

WEIGHT OF SACKS

WET WEIGHT 62340

LESS MOISTURE 2.82 % 1758

DRY WEIGHT 60582 @ @ 83.73 PER TON 2536.27

FREIGHT ADVANCED, @ 9.10 283.65

ADVANCES sampling 25.82

SAMPLING Demurrage 6.00 315.47

UMPIRE 2220.80

ASSAYING 3% war tax 8.69

CORRECT

CHECKED

MK

Rates, except on contracts, subject to change without notice

NET PROCEEDS 2212.11

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