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PRINTED: 04/21/2003

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES AZMILS DATA

PRIMARY NAME: MIDNIGHT

ALTERNATE NAMES:
PATENTED CLAIM MS 1545
WONDERFUL MINE PAT. MS 949
MODOC NO. 2 PAT. MS 4577
HORMEYER

GREENLEE COUNTY MILS NUMBER: 51

LOCATION: TOWNSHIP 4 S RANGE 29 E SECTION 24 QUARTER NE
LATITUDE: N 33DEG 04MIN 20SEC LONGITUDE: W 109DEG 18MIN 26SEC
TOPO MAP NAME: CLIFTON - 15 MIN

CURRENT STATUS: PAST PRODUCER

COMMODITY:
MANGANESE
LEAD
GOLD
SILVER

BIBLIOGRAPHY:
ADMMR MIDNIGHT FILE
BLM MINING DISTRICT SHEET 842
E.D. WILSON, AZ LODE GOLD MINES AND GOLD MINING, AZBM BULL. 137, 1934, P. 137

See: ABM Bull. 137 p. 187

See: USGS Bull. 1355 p. 16

11-24-58

MIDNIGHT MINE

This property same status as last report Oct.10, 1951.

ABM Bull. 137, p. 187
USGS Bull. 1355, p. 16

See: ABM Bul #137 p 187

NEWS ITEM

Oct. 10, 1951.
By Axel L. Johnson

SOURCE OF INFORMATION -- Harriet Sweeting, Owner
MINE -- Midnight Mine
DISTRICT -- San Francisco Mining District

Location. 2 miles North of Clifton. Go up San Francisco River Road for 1 mile, then 1 mile up the hill. Needs road built into property for a distance of another mile or probably more. Road has to be built to top of a high hill.

Number of claims. One patented claim.

Owner. Harriet Sweeting. Box 1225, Clifton, Ariz. (12-6-1960 A.L.J.)

Metals Found Manganese. Also has some Lead, gold and silver.

Men Employed. None. The property is idle.

Milling Facilities None at present. Will be too low grade to ship profitably to Deming, N. Mex.

Ore Values. Manganese will probably average about 20 %. Manganese ores will contain some lead and zinc carbonates.

Geology. Manganese deposits are replacements in limestone. Flat tabular deposits from 3 to 4 feet thick.

Present Operations. None. The mine is idle.

Proposed Plans. To start operations if and when milling facilities are available at Clifton for milling and concentrating low manganese ores.

Special Difficulties to Encounter

(1) Building a road up to the property, which is near the top of a high hill several hundred feet above the elevation of the end of the present road.
(2) No milling facilities available in the immediate vicinity, as yet.
(3) Ore contains impuities in the form of lead and zinc carbonates.

# DEPARTMENT OF MINERAL RESOURCES
## State of Arizona
### MINE OWNER'S REPORT

Date March 16, 1948

1. Mine: Midnight

2. Location: Sec. 24 Twp. 4 South Range 29 East Nearest Town Clifton

Distance 1-1/2 mi. Direction North Road Condition Old road of 1 mi. in disuse --would have to be rebuilt-- rest -good

3. Mining District & County: Greenlee Gold Mountain Mining District Greenlee County

4. Former Name of Mine:

5. Owner: Harriet Sweeting

Address: Box 1725, Clifton, Arizona

6. Operator:

Address:

7. Principal Minerals: Gold, Silver, Lead (' Indicated manganese bodies ranging up to 30%

8. Number of Claims: One Lode X Placer

Patented Yes Unpatented

9. Type of Surrounding Terrain: High hills--Elevation of workings 4000 ft.-- about 3/4 of a mile above stream valley with elevation of 3450 ft.

10. Geology & Mineralization: Replacements within Lime Stratas Pocket formation--irregular

11. Dimension & Value of Ore Body: Lateral or north to south extensions of mineralization is more then 600' according to surface cuts-- thickness of zone of mineraliztion may be 200' from open cut to sill against which ended the ore deposition

For ore values; See smelter returns on attached mine sketch.

12. Ore "Blocked Out" or "In Sight": About 60 tons

Ore Probable: XXXXX

13. Mine Workings—Amount and Condition:

| No. | Feet | Condition |
|---|---|---|
| Shafts | | |
| Raises | | |
| Tunnels 3 | 700 | 1-tunnel worked within last 10 yrs. is in good condition-others fair |
| Crosscuts | | |
| (surface) Stopes 2 | 50'x40'x40' each | Caved and filled with surface material |

14. Water Supply: XXXXXXX

15. Brief History: Recent workings-1939 to 1942---Was patented in 1903 by Anwell LaFave

16. Signature Harriet Sweeting

17. If Property for Sale, List Approximate Price and Terms: Would rather lease, but will lease with option to buy.

R.I.C. Manning

# DEPARTMENT OF MINERAL RESOURCES
## State of Arizona
### MINE OWNER'S REPORT

Date Nov. 7, 1946

1. Mine: Midnight
2. Location: Sec. 24 SE NE of Twp. 4 S Range 29 E Nearest Town Clifton
   Distance 2 mi. Direction S Road Condition Good to 3/4 mi. then trail.
3. Mining District & County: Copper King Mt., Greenlee
4. Former Name of Mine: Keating
5. Owner: Harriet Sweeting
   Address: Clifton, Ariz.
6. Operator: none
   Address:
7. Principal Minerals:
8. Number of Claims: 1 Lode ✓ Placer
   Patented Unpatented ✓
9. Type of Surrounding Terrain: Very rugged.

10. Geology & Mineralization:
Contact of limestone and ~~quartzite~~ sandstone
cut by dike
4000' El.
Chase Creek 1/4 mile away el. 3400.

11. Dimension & Value of Ore Body:
Values in several truck lot shipments
(about 40,000 lbs) ran Au 1.1

12. Ore "Blocked Out" or "In Sight":

Ore Probable:

13. Mine Workings—Amount and Condition:

| No. | Total Feet | Condition |
|---|---|---|
| Shafts | | |
| Raises | | |
| Tunnels 2 | 600' | Good |
| Crosscuts 2 | 130' | " |
| Stopes | 1 | " |

14. Water Supply: None

15. Brief History: Worked in 39, 40, 41, 42 small shipments. Ore had to packed on burros.

MIDNIGHT

Pb, Au

Greenlee 6 - 1 T 4 S, R 30 E

Harriet Sweeting, Clifton '39 '46

16. Signature:

17. If Property for Sale, List Approximate Price and Terms:

Section

Scale
Date

# DEPARTMENT OF MINERAL RESOURCES

## REPORT TO OPA ON ACTIVE MINING PROJECT

DEPT. MINERAL RESOURCES
RECEIVED
OCT 13 1944
PHOENIX, ARIZONA

Date: Oct 9 of 1944

Name of Mine: Midnight

Owner or Operator: Hamlet Smelting

Address: 1725

Mine Location: 3 miles N. of Clifton

**Filing Information**

File System:

File No.:

This chart to be used for gallons of gasoline required per month.

**PRESENT OPERATIONS:** (check X)

Production.....; Development.....; Financing ✓; Sale of mine.....;

Experimental (sampling).....; Owner's occasional trip ✓;

Other (specify) Examination for work plan

**PRODUCTION:** **Past and Future.**

| | Tons |
|---|---|
| Approx. tons last 3 months | None |
| Approx. present rate per 3 months | " |
| Anticipated rate next 3 months | 200 Tons |
| If in distant future check (X) here | |

**EQUIPMENT OPERATED:**

| Type | Quantity or Horse Power | Miles or Hours Per Month | Gallons Required Per Month |
|---|---|---|---|
| Personal Cars | 60 | 200 miles | 20 |
| Light or Service Trucks | | | |
| Ore Hauling Trucks | | | |
| Compressors | | | |
| Other Mine or Mill Eqpt. | | | |

**PRODUCT PRODUCED OR CONTEMPLATED:** Name metals or minerals.

**REMARKS:**

Lead-Gold property being prospected for future use.

**ARIZONA DEPARTMENT OF MINERAL RESOURCES**

By A. Macfarlane

# DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
## FIELD ENGINEERS REPORT

Mine: Midnight | Date: September 10, 1944

District: Clifton Mining Dist., Greenlee Co. | Engineer: Andrew Macfarlane

Subject:

Miss Harriet Sweeting
Clifton, Arizona

Dear Miss Sweeting:

**Property:** On my examination of your mine, the Midnight, which may have formerly been called the Hormeyer Mine, consisting of one patented claim containing about 15.5 acres, I report as follows:

**Location:** Situated on the southeast slope of the high hills forming the west bank of the San Francisco River, approximately 2 miles upstream or northerly from Clifton post office, and in part contiguous to the northern end line of the incorporated townsite of Clifton. The claim is about 1-1/2 miles east of Morenci smelter.

**Elevation:** The main tunnel by altometer recorded 4,000 ft. above sea level and the stream valley distant easterly 3/4 of a mile at elevation of 3,450'.

**Road:** To railway siding from the mine is part of main street of the town plus about 1-1/2 miles of county highway to a point where an old road now in disuse parts from the county road and following a general westerly direction, terminates just under an old glory hole or large surface cut and caved tunnel tapping the mineral body of the Midnight claim.

The grade of this road is in part steep - will vary between 6% to 10%, but as the down grade is from mine to rail siding the trucking of the ores offers no obstacles.

Approximately $2500 should be spent in widening and improving this stub road to the mine over its entire length of about one mile.

**Ore Occurs:** As replacements within the lime stratas, the thickness of the zone of mineralization may be nearly 200' from top of upper old open cut down to the sill against which ended the ore deposition. The lateral or north to south extensions of the mineralization apparently is more than 600 feet according to the surface cuts, but as the old glory holes are now caved and entirely filled with surface material, it is not possible to state now as to the depth of the mineralization, its penetration into the mountain.

**Mine Workings:** Two surface stopes, each approximately 50 feet from east to west, by 40 feet from north to south, and reaching to a depth of 40' below the original surface, together with tunnels driven into the ore bodies a few feet lower than the open cut floors, forms the oldest explorations of the claim and it seems likely a commercial quantity of lead-gold ores were produced from these former openings which are now in a caved condition.

Towards the southern side of the claim a tunnel extends north 70° W. from its portal, a distance of 240'. This working tunnel made by lessee within the past 10 years is the source of several ore shipments made during 1939 to 1942.

The main tunnel is well trucked and some 2" pipe laid for compressed air. No stoping has been done except a small drift 12' long on a fracture leading from the north side of the tunnel. Total muck extracted from tunnel - 450 tons, of which 115 tons was ore shipped.

The settlement sheets covering 115 tons in all indicate the ores sold to have an approximate average value of gold, 0.40 oz/ silver, 1.0 oz; and 5% lead; making on present market an ore of about $15.00 gross smelter value per ton.

There are indicated bodies of manganese ranging up to 30% manganese content within the mineral zone, which without concentration facilities, has no present value, as 42% mn and upwards is the minimum grade acceptable to the Metals Reserve Corp.

Outcome: To make a possible producing mine here a drift now started from the north side of the main tunnel should be continued northerly and when ore values are encountered upraise on same and explore by short crosscuts the limits of the ore lense. Screening the muck as trammed from this tunnel may determine that the best values of both lead and gold are in fines along joint planes and fractures. The hard coarse calcspar and manganese will likely be the lower grade portion of the muck.

As the ores of the Midnight are apparently free of sulphur, arsenic and other penalizing elements, it may be possible to obtain a very low smelter charge, providing the ores carry lime, Fe oxide and Mn neutralizing the insoluable content.

The indicated mineral bearing area of this claim is of such extent as to allow the existence of a sizable mine of the character above outlined.

MIDNIGHT MINE GREENLEE COUNTY

KP/WR 12/18/79 - Met with Harriet Sweeting and later, additionally, Allen Powell, regarding the Midnight Mine, Clifton Dist., Greenlee Co. Allen Powell and his son are investigating the possibility of developing Ms. Sweeting's Midnight Mine. The mine has produced small amounts of lead, gold, and silver ore in the past.

# DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
FIELD ENGINEERS REPORT

Mine MIDNIGHT Date December 18, 1979

District Clifton -- Greenlee County Engineer Ken A. Phillips KAP

Subject: Field Interviews With The Mine's Owner, Harriet Sweeting, Phone 865-2768

References: Midnight Mine; Arizona Department of Mineral Resources MineFile

Harriet Sweeting has expressed an interest in reevaluating her patented mine. The Midnight Mine consists of a single patented claim in the Clifton District of Greenlee County. She feels the present price of gold, lead, and silver might make a small operation economically attractive.

The mine made six (6) shipments of ore in the period 1939 through 1942. Two were small (they totaled 5.22 tons) high grade lots. The shipments are tabulated below.

| Date | Tons | Au(oz./ton) | Ag(oz./ton) | Pb(%) |
|---|---|---|---|---|
| 12-23-39 | 2.38 | 1.185 | 11.2 | 19.95 |
| 1-17-40 | 2.84 | 0.315 | 1.0 | 9.40 |
| Weighted Average(High Grade) | 5.22 | 0.712 | 5.6 | 14.21 |
| 1-19-40 | 30.08 | 0.468 | 0.9 | 4.45 |
| 12-23-40 | 25.20 | 0.498 | 1.0 | 5.90 |
| 4-23-41 | 23.25 | 0.58 | 1.0 | 5.80 |
| 3-31-42 | 31.66 | 0.50 | 1.2 | 6.50 |
| Weighted Aver.(Car Loads) | 110.19 | 0.507 | 1.03 | 5.65 |

Ms. Sweeting reported that Ronald Powell, c/o Allen Powell, P.O. Box 302, Pima, Arizona 85543, is interested in trying to develop the mine. He reportedly does not have previous mining experience.

A number of factors must be considered in evaluating a long idle small mine before a development decision can be made.

1. Access to the property must be improved. No passible road exists to the portals of previous workings.

2. Old workings must be made accessible for mapping and sampling.

3. Sampling of veins must be done throughout the workings.

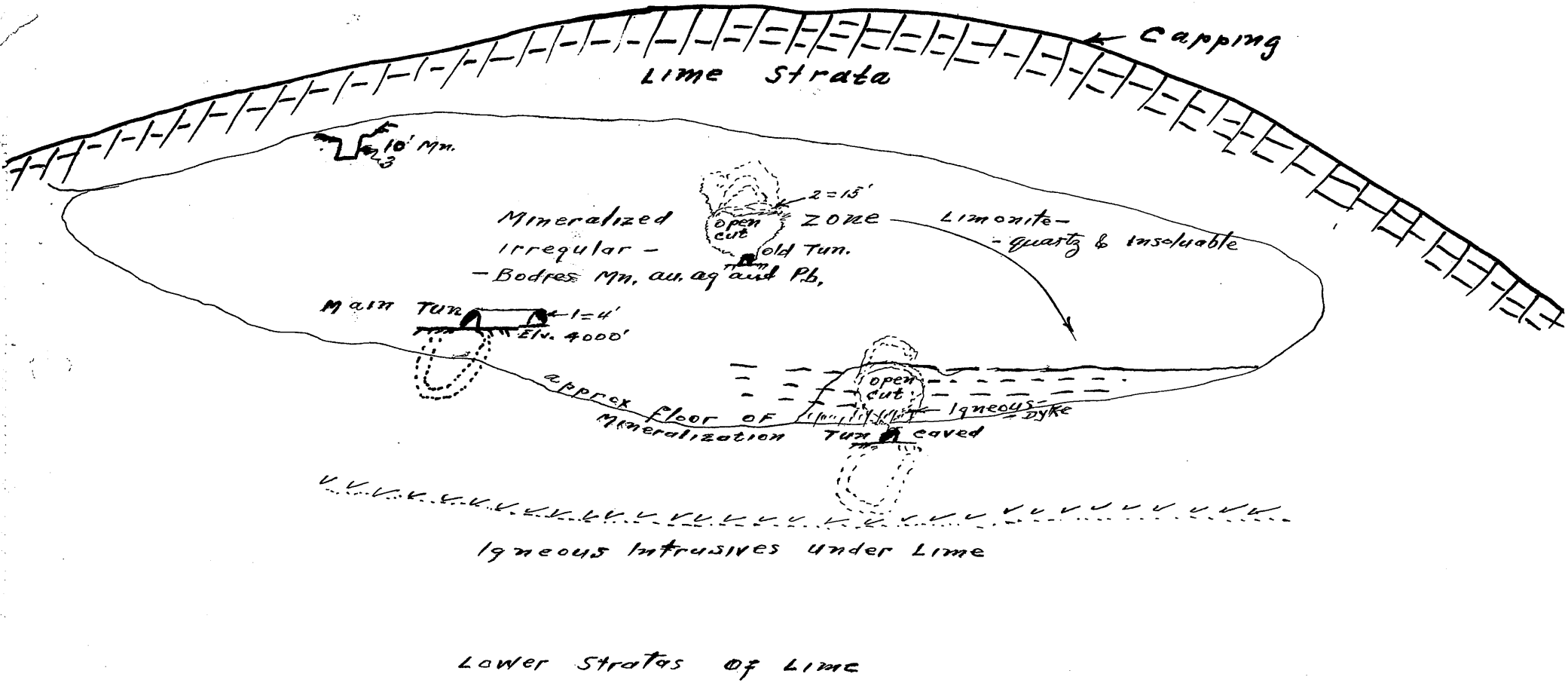
4. The probable extension of veins and ore shoots should be established.

5. Metallurgical tests must be made to determine a suitable milling method. The presence of manganese in some of the rock may present milling problems.

The metal content of previous production and the present prices for the metals, justifies the expenditure of time and money to evaluate the potential of the Midnight. The small land position (a single patented claim) may limit the extent of any future development to a small operation.

KAP:mw

cc: DMR Tucson




## Ore Shipments & Assays

| Date | Tons | au ozs. | ag. | Pb. |
|---|---|---|---|---|
| 12/23/39 | 2.38 | 1.185 | 11.2 | 19.95 |
| 1/17/40 | 2.84 | 0.315 | 1.0 | 9.40 |
| 1/19/40 | 30.08 | 0.468 | 0.9 | 4.45 |
| 12/23/40 | 26.20 | 0.498 | 1.0 | 5.90 |
| 4/23/41 | 23.25 | 0.58 | 1.0 | 5.80 |
| 3/31/42 | 31.66 | 0.60 | 1.2 | 6.50 |

CROSS SECTION SKETCH
MIDNIGHT MINE WORKINGS
Owner Harriet Sweeting
Clifton, Arizona, Sept 10th 1944
Approx. Scale 1in To 50Ft
Field Notes Globe, Arizona
Dept of Mineral Resources.

# ORE SETTLEMENT

BOUGHT OF El C. Rozell, EL PASO AS, 12-23-39

ADDRESS Clifton, Ariz. SHIPPING POINT Clifton, Ariz. SMELTER LOT 3525

CLASSIFICATION Ore SHIPPER'S LOT -

| CAR No. | CAR Initial | Gross | Sacks No. | Sacks Weight | Net Weight | Moisture % | Dry Weight |
|---|---|---|---|---|---|---|---|
| Truck | | 4740 | 58 | 32 | 4708 | 1.0 | 4661 |

Includes metallics Gold + .075

**N. Y. METAL QUOTATIONS**

| | | |
|---|---|---|
| Settlement Date | 12-13-39 | |
| B/L Date | 12-11-39 | |
| Silver | 70625 | Cts. per Oz. |
| Foreign Silver | 3475 | |
| Lead | $ 5.50 | Per 100 Lbs. |
| E. & M. J. Copper | 12150 | Cts. per Lb. |

LONDON LEAD PER 2240 LBS. £ s d

Exchange N. Y.

**PAYMENTS FOR METALS**

| ELEMENTS | Assay per Ton 2000 Lbs. | | Deducted | Net Assay | Equivalent in Lbs. | Per Cent Paid For | Net Paid For | | Rate | Value Amount Per Ton | Value Amount Total |
|---|---|---|---|---|---|---|---|---|---|---|---|
| GOLD | 1.185 | oz. | | | | | 1.185 | oz. | 32.81825 | 38.89 | |
| SILVER | 11.2 | oz. | | | | 95 | 10.64 | oz. | 69125 | 7.35 | |
| LEAD | 19.95 | % | 1.5 | 18.45 | 369.0 | 90 | 332.1 | Lbs. | 0394 | 13.08 | |
| COPPER | .03 | % | .4 | - | | | | Lbs. | | | |
| TOTAL PAYMENTS FOR METALS | | | | | | | | | | | 59.32 |

| DEDUCTIONS | DEBITS | CREDITS |
|---|---|---|
| BASE CHARGE: F. O. B. El Paso, for Metal Payments, not exceeding $ 15.00 per ton | 3.50 | |
| 10 % of $ 44.32 excess over $ 15.00 per ton | 2.50 | |
| Handling Sacks | .50 | |

Copper Deficiency

| ANALYSIS | | | Deduction | Net | | Rate | | |
|---|---|---|---|---|---|---|---|---|
| Insoluble | 64.6 | % | 40.0 | 24.6 | % | @ .05 | Cts. | 1.23 |
| Silica | 63.4 | % | | | % | @ | Cts. | |
| Iron | 4.3 | % | | | % | @ | Cts. | |
| Mn | - | % | | | % | @ | Cts. | |
| Lime | .9 | % | | | % | @ | Cts. | |
| Zinc | .1 | % | | | % | @ | Cts. | |
| Sulphur | .4 | % | | | % | @ | Cts. | |
| Alumina | .1 | % | | | % | @ | Cts. | |
| As | 1.45 | % | | | % | @ | Cts. | |
| Sb | | % | | | % | @ | Cts. | |
| Bi | | % | | | % | @ | Cts. | |
| TOTAL DEDUCTIONS | | | | | | | | 7.73 |
| NET VALUE PER TON | | | | | | | | 51.59 |

| | | | DEBITS | CREDITS |
|---|---|---|---|---|
| Total Value on | 2.3305 | Dry Tons @ 51.59 Per Ton | | 120.23 |
| Less Freight on | 2.370 | Wet Tons @ Morales Trucks | 13.61 | |
| Less Freight on Sacks Returned | | Hauling Charge | | |
| Less Demurrage | | Switching | | |
| Less Representation | | Umpires | | |
| Less Duty and Brokerage | | | | |
| Amount withheld pending receipt of Silver Affidavit | | (.89) | 8.88 | |
| Royalty | 10% | | 8.97 | |
| Sampling | | | 8.00 | |
| BALANCE DUE SHIPPER | | | 80.77 | |
| | | | 120.23 | 120.23 |

MADE BY ____ CHECKED ____ CORRECT ____ APPROVED ____

JM 18-99 CAIRNS

AMERICAN SMELTING AND REFINING COMPANY
EL PASO SMELTING WORKS

# ORE SETTLEMENT

BOUGHT OF Ed C. Rozell, EL PASO, TEXAS, 1-17-40

ADDRESS Clifton, Ariz. SHIPPING POINT Clifton, Ariz. SMELTER LOT 55

CLASSIFICATION Ore SHIPPER'S LOT -

| CAR No. | CAR Initial | Gross | Sacks No. | Sacks Weight | Net Weight | Moisture % | Dry Weight |
|---|---|---|---|---|---|---|---|
| Truck | | 5780 | 56 | 40 | 5740 | 1.0 | 5683 |

N. Y. METAL QUOTATIONS

Settlement Date 1-5-40
B/L Date -

| | | |
|---|---|---|
| Silver | 70625 | Cts. per |
| F'gn Silver | 3475 | |
| Lead | $ 5.50 | Per 100 l |
| E. & M. J. | | |
| Copper | 12150 | Cts. per |

LONDON LEAD PER 2240 LBS

£ s d

EXCHANGE N. Y. VALUE

PAYMENTS FOR METALS

| Elements | Content per 2000 lbs. | | Deducted | Net Assay | Equivalent in lbs. | Per cent paid for | Net paid for | | Rate | Amount per ton | Amount total |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Gold | .315 | oz. | | | | | .315 | oz. | 32.81825 | 10.34 | |
| Silver | 1.1 | oz. | .5 | .6 | | | .6 | oz. | 69125 | .41 | |
| Lead | 9.4 | % | 1.5 | 7.9 | 158.0 | 90 | 142.2 | lbs. | 0394 | 5.60 | |
| Copper | .06 | % | .4 | - | | | | lbs | | | |
| TOTAL PAYMENTS FOR METALS | | | | | | | | | | | 16.35 |

| DEDUCTIONS | Debits | Credits |
|---|---|---|
| BASE CHARGE: F. O. B. El Paso, for Metal Payments, not exceeding $ 15.00 per ton | 3.50 | |
| 10 % of $ 1.35 excess over $ 15.00 per ton | .14 | |
| Handling Sacks | .50 | |
| Copper Deficiency | | |

| Analysis | | | Deduction | Net | | Rate | | | Debits |
|---|---|---|---|---|---|---|---|---|---|
| Insoluble | 73.2 | % | 40.0 | 33.2 | % | @ | .05 | Cts. | 1.66 |
| Silica | 72.6 | % | | | % | @ | | Cts. | |
| Iron | 6.5 | % | | | % | @ | | Cts. | |
| Mn | - | % | | | % | @ | | Cts. | |
| Lime | .3 | % | | | % | @ | | Cts. | |
| Zinc | .5 | % | | | % | @ | | Cts. | |
| Sulphur | .3 | % | | | % | @ | | Cts. | |
| Alumina | .1 | % | | | % | @ | | Cts. | |
| As | 1.17 | % | | | % | @ | | Cts. | |
| Sb | .10 | % | | | % | @ | | Cts. | |
| Bi | | % | | | % | @ | | Cts. | |
| TOTAL DEDUCTIONS | | | | | | | | | 5.80 |
| NET VALUE PER TON | | | | | | | | | 10.55 |

| | | | | Debits | Credits |
|---|---|---|---|---|---|
| Total Value on | 2.8415 | Dry Tons @ | 10.55 Per Ton | | 29.98 |
| Less Freight on | 2.890 | Wet Tons @ | Per Ton | | |
| Less Freight on Sacks Returned | | Hauling Charge | Morales Frt. Line | 15.79 | |
| Less Demurrage | | Switching | | | |
| Less Representation | | Umpires | | | |
| Less Duty and Brokerage | | | | | |
| Amount withheld pending receipt of Silver Affidavit | | 10% | .06 | .60 | |
| Royalty | 10% | | | .56 | |
| | | Sampling | | 8.00 | |
| | | BALANCE DUE SHIPPER | | 5.03 | |
| | | | | 29.98 | 29.98 |

Made by _____ Checked _____ Correct _____ Approved _____

M

M 12-39 CAIRNS

AMERICAN SMELTING AND REFINING COMPANY
EL PASO SMELTING WORKS

# ORE SETTLEMENT

BOUGHT OF Ed C. Rozell, EL PASO, TEXAS, 1-19-40

ADDRESS Clifton,Ariz. SHIPPING POINT Clifton,Ariz. SMELTER LOT 129

CLASSIFICATION Ore Box 1145 SHIPPER'S LOT -

| CAR No. | CAR Initial | Gross | Sacks No. | Sacks Weight | Net Weight | Moisture % | Dry Weight |
|---|---|---|---|---|---|---|---|
| 91413 | SP | | | | 60780 | 1.0 | 60172 |

Metallics Gold + .0055 Ozs.

**N. Y. METAL QUOTATIONS**

Settlement Date 1-11-40
B/L Date 1-8-40

| | | |
|---|---|---|
| Silver | 70625 | Cts. per oz. |
| F'gn Silver | 3475 | |
| Lead | $ 5.50 | Per 100 lbs. |
| E. & M. J. Copper | 12150 | Cts. per lb. |

LONDON LEAD PER 2240 LBS.
£ s d

EXCHANGE N.Y.

**PAYMENTS FOR METALS**

| Elements | Assay per Ton 2000 lbs. | | Deducted | Net Assay | Equivalent in lbs. | Per Cent Paid For | Net Paid For | | Rate | Value Amount per Ton | Value Amount Total |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Gold | .4680 | oz. | | | | | .4680 | oz. | 32.31825 | 15.12 | |
| Silver | .9 | oz. | .5 | .4 | | | .4 | oz. | 69125 | .28 | |
| Lead | 4.45 | % | No Pay | | | | | lbs. | | | |
| Copper | .06 | % | | | 1.2 | | | lbs | | | |
| TOTAL PAYMENTS FOR METALS | | | | | | | | | | | 15.40 |

**DEDUCTIONS**

| | Debits | Credits |
|---|---|---|
| BASE CHARGE: F. O. B. El Paso, for Metal Payments, not exceeding $ 15.00 per ton | 3.50 | |
| 10 % of $ .40 excess over $ 15.00 per ton | .04 | |
| Handling Sacks | | |
| Copper Deficiency 8#-1.2# = 6.8# @ .0959 | .65 | |

| Analysis | | | Deduction | Net | | Rate | |
|---|---|---|---|---|---|---|---|
| Insoluble | 73.8 | % | | | % | @ | Cts. |
| Silica | 73.0 | % | | | % | @ | Cts. |
| Iron | 7.6 | % | | | % | @ | Cts. |
| Zinc | - | % | | | % | @ | Cts. |
| Lime | .7 | % | | | % | @ | Cts. |
| Sulphur | .2 | % | | | % | @ | Cts. |
| Alumina | .4 | % | | | % | @ | Cts. |
| Ars | .2 | % | | | % | @ | Cts. |
| Pb | .75 | % | | | % | @ | Cts. |
| Ag | | % | | | % | @ | Cts. |

| | Debits | Credits |
|---|---|---|
| TOTAL DEDUCTIONS | 4.19 | 4.19 |
| NET VALUE PER TON | | 11.21 |

| | | | Debits | Credits |
|---|---|---|---|---|
| Total Value on | 30.086 | Dry Tons @ 11.21 Per Ton | | 337.26 |
| Less Freight on | 30.390 | Wet Tons @ 2.00 Per Ton | 60.78 | |
| Less Freight on Sacks Returned | | Hauling Charge | | |
| Less Demurrage | | Switching | 2.48 | |
| Less Representation | | Umpires | | |
| Less Duty and Brokerage | | | | |
| Amount withheld pending receipt of Silver Affidavit | | | 4.51 | |
| Royalty | 10% | .45 | 26.95 | |
| BALANCE DUE SHIPPER | | | ~~242.54~~ | |
| | | | ~~337.26~~ | ~~337.26~~ |

Made by _____ Checked _____ Correct _____ Approved _____

AMERICAN SMELTING AND REFINING COMPANY

AMERICAN SMELTING AND REFINING COMPANY

# ORE SETTLEMENT

BOUGHT OF E.C.Rozell, EL PASO, TEXAS, 4-23-40

ADDRESS Clifton, Ariz. SHIPPING POINT Clifton, Ariz. SMELTER LOT 1233

CLASSIFICATION Ore SHIPPER'S LOT -

| CAR No. | CAR Initial | Gross | Sacks No. | Sacks Weight | Net Weight | Moisture % | Dry Weight |
|---|---|---|---|---|---|---|---|
| 5347 | SP | | | | 50920 | 1.0 | 50411 |

**N. Y. METAL QUOTATIONS**

Settlement Date 4-15-40
B/L Date -

| | | |
|---|---|---|
| Silver | .70625 | Cts. per oz. |
| F'gn Silver | .3475 | |
| Lead | $ 5.10 | Per 100 lbs. |
| E. & M. J. Copper | 11088 | Cts. per lb. |

LONDON LEAD PER 2240 LBS. £ s d

EXCHANGE N. Y.

**PAYMENTS FOR METALS**

| Elements | Assay per ton 2000 lbs. | | Deducted | Net Assay | Equivalent in lbs. | Per cent paid for | Net paid for | | Rate | Amount per ton | Amount total |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Gold | .495 | oz. | | | | | .495 | oz. | 32.81825 | 16.25 | |
| Silver | 1.0 | oz. | .5 | .5 | | | .5 | oz. | .69125 | .35 | |
| Lead | 5.9 | % | 1.5 | 4.4 | 88.0 | 90 | 79.2 | lbs. | .0354 | 2.80 | |
| Copper | .07 | % | .4 | - | | | | lbs. | | | |
| TOTAL PAYMENTS FOR METALS | | | | | | | | | | | 19.40 |

**DEDUCTIONS**

| | Debits | Credits | |
|---|---|---|---|
| BASE CHARGE: F. O. B. El Paso, for Metal Payments, not exceeding $ 15.00 per ton | 3.50 | | |
| 10 % of $ 4.40 excess over $ 15.00 per ton | .44 | | |
| Handling Sacks | | | |

Copper Deficiency

| Analysis | | | Deduction | Net | | Rate | | | Debits |
|---|---|---|---|---|---|---|---|---|---|
| Insoluble | 75.6 | % | 40.0 | 35.6 | % | @ | .05 | Cts. | 1.78 |
| Silica | 75.0 | % | | | % | @ | | Cts. | |
| Iron | 8.0 | % | | | % | @ | | Cts. | |
| Mn | .4 | % | | | % | @ | | Cts. | |
| Lime | .2 | % | | | % | @ | | Cts. | |
| Zinc | .1 | % | | | % | @ | | Cts. | |
| Sulphur | .3 | % | | | % | @ | | Cts. | |
| Alumina | .6 | % | | | % | @ | | Cts. | |
| As | .92 | % | | | % | @ | | Cts. | |
| Sb | | % | | | % | @ | | Cts. | |
| Bi | .02 | % | .0059 | .0141 | .28% | @ | .50 | Cts. | .14 |
| TOTAL DEDUCTIONS | | | | | | | | | 5.86 |
| NET VALUE PER TON | | | | | | | | | 13.54 |

| | | | | Debits | Credits |
|---|---|---|---|---|---|
| Total Value on 25.2055 | Dry Tons @ 13.54 Per Ton | | | | 341.28 |
| Less Freight on 25.460 | Wet Tons @ 2.00 Per Ton | 60 M | | 60.00 | |
| Less Freight on Sacks Returned | Hauling Charge | | | | |
| Less Demurrage | Switching | | | 2.48 | |
| Less Representation | Umpires | | | | |
| Less Duty and Brokerage | | | | | |
| Amount withheld pending receipt of Silver Affidavit | | | | 4.54 | |
| Royalty 10% | | | | 27.43 | |
| | BALANCE DUE SHIPPER | | | 246.83 | |
| | | | | 341.28 | 341.28 |

Made by _____ Checked _____ Correct _____ Approved _____

EL PASO SMELTING WORKS

# ORE SETTLEMENT

EL PASO, TEXAS. 12-23-41
SMELTER LOT 3537
SHIPPER'S LOT
CLASSIFICATION Ore

BOUGHT OF Ed C. Rozell,
ADDRESS Clifton, Arizona.
SHIPPING POINT " "

| CAR No. | CAR INITIAL | WEIGHT IN AVOIRDUPOIS POUNDS: GROSS | SACKS No. | SACKS WEIGHT | NET WEIGHT | MOISTURE % | DRY WEIGHT |
|---|---|---|---|---|---|---|---|
| 37429 | RI | | | | 46980 | 1.0 | 46510 |

N. Y. METAL QUOTATIONS

| | | |
|---|---|---|
| Settlement Date | 12-15-41 | |
| B/L Date | 12-12-41 | |
| Silver | .70625 | Cts. per oz. |
| F'gn Silver | .35125 | |
| Lead | $ 5.85 | Per 100 lbs. |
| E. & M. J. | | |
| Copper | .11650 | Cts. per lb. |

LONDON LEAD PER 2240 LBS.
£ s d

EXCHANGE N. Y.

## PAYMENTS FOR METALS

| ELEMENTS | ASSAY PER TON 2000 LBS. | | DEDUCTED | NET ASSAY | EQUIVALENT IN LBS. | PERCENT PAID FOR | NET PAID FOR | | RATE | VALUE: AMOUNT PER TON | VALUE: AMOUNT TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Gold | .58 | oz. | | | | | .58 | oz. | 32.31825 | 18.74 | |
| Silver | 1.0 | oz. | .5 | .5 | | | .5 | oz. | .69125 | .35 | |
| Lead | 5.8 | % | No Pay | | | | | lbs. | | | |
| Copper | .06 | % | | | | | | lbs. | | | |
| | | | | | | | | | TOTAL PAYMENTS FOR METALS | | 19.09 |

## DEDUCTIONS

| | DEBITS | CREDITS |
|---|---|---|
| BASE CHARGE: F. O. B. El Paso, for Metal Payments, not exceeding 15.00 per ton | 3.50 | |
| 10 % of $ 4.09 excess over $ 15.00 per ton | .41 | |
| Handling Sacks | | |
| Copper Deficiency 8.0 - 1.2 = 6.8 @ .0909 | .62 | |

| ANALYSIS | | | DEDUCTION | NET | | RATE | |
|---|---|---|---|---|---|---|---|
| Insoluble | 77.8 | % | | | % | @ | Cts. |
| Silica | 77.0 | % | | | % | @ | Cts. |
| Iron | 7.1 | % | | | % | @ | Cts. |
| Zinc | | % | | | % | @ | Cts. |
| Manganese | .9 | % | | | % | @ | Cts. |
| Arsenic | .1 | % | | | % | @ | Cts. |
| Sulphur | .4 | % | | | % | @ | Cts. |
| Alumina | .2 | % | | | % | @ | Cts. |
| Lime | .75 | % | | | % | @ | Cts. |
| | | % | | | % | @ | Cts. |
| | | % | | | % | @ | Cts. |

| | DEBITS | CREDITS |
|---|---|---|
| TOTAL DEDUCTIONS | 4.53 | |
| NET VALUE PER TON | | 14.56 |

| | | | | DEBITS | CREDITS |
|---|---|---|---|---|---|
| Total Value on | 23.255 | Dry Tons @ 14.56 Per Ton | | | 338.59 |
| Less Freight on | 23.490 | Wet Tons @ 2.00 Per Ton | 60 Min. | 60.00 | |
| Less Freight on Sacks Returned | | Hauling Charge | | 2.48 | |
| Less Demurrage | | Switching | | | |
| Less Representation | | Umpires | | | |
| Less Duty and Brokerage | | | | | |
| Amount withheld pending receipt of Silver Affidavit | | 10% (.42) | | 4.19 | |
| Royalty | 10% | | | 27.19 | |
| Valuation for freight $14.41 per wet ton | | BALANCE DUE SHIPPER | | 244.73 | |
| | | | | 338.59 | 338.59 |

Made by _____ Checked _____ Correct _____ Approved _____

EL PASO SMELTING WORKS

# ORE SETTLEMENT

BOUGHT OF Ed C. R[illegible]ll

ADDRESS Clifton, Arizona

SHIPPING POINT " "

EL PASO, TEXAS 3-31-42

SMELTER LOT 833

SHIPPER'S LOT

CLASSIFICATION Ore

| CAR No. | CAR Initial | Weight in Avoirdupois Pounds: Gross | Sacks No. | Sacks Weight | Net Weight | Moisture % | Dry Weight |
|---|---|---|---|---|---|---|---|
| 92732 | SP | | | | 63960 | 1.0 | 63320 |

**N. Y. METAL QUOTATIONS**

Settlement Date 3-21-42

B/L Date

| | | |
|---|---|---|
| Silver | ~~.70685~~ | Cts. per oz |
| F'gn Silver | .35125 | |
| Lead | $ 6.50 | Per 100 lbs |
| E. & M. J. Copper | .11650 | Cts. per lb |

LONDON LEAD PER 2240 LBS.

£ s d

EXCHANGE N. Y.

**PAYMENTS FOR METALS**

| Elements | Assay per Ton 2000 Lbs. | | Deducted | Net Assay | Equivalent in Lbs. | Per Cent Paid For | Net Paid For | | Rate | Value Amount | Value Amount |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Gold | ~~.405~~ | oz. | | | | | | oz. | | | |
| Silver | 1.2 | oz. | 1.0 | .2 | | | .2 | oz. | .69125 | .14 | |
| Lead | 6.5 | % | 1.5 | 5.0 | 100.0 | 90 | 90.0 | lbs. | .049 | 4.41 | |
| Copper | .07 | % | | | | | | lbs. | | | |
| TOTAL PAYMENTS FOR METALS | | | | | | | | | | | 17.64 |

**DEDUCTIONS**

| | Debits | Credits |
|---|---|---|
| BASE CHARGE: F. O. B. El Paso, for Metal Payments, not exceeding $ 15.00 per ton | 3.50 | |
| 10 % of $ 2.64 excess over $ 15.00 per ton | .26 | |
| Handling Sacks | | |
| Copper Deficiency | | |

| Analysis | | | Deduction | Net | | Rate | | Debits |
|---|---|---|---|---|---|---|---|---|
| Insoluble | 72.8 | % | 40.0 | 32.8 | % | @ .05 | Cts. | 1.64 |
| Silica | 72.0 | % | | | % | @ | Cts. | |
| Iron | 9.4 | % | | | % | @ | Cts. | |
| Mn | | % | | | % | @ | Cts. | |
| Lime | .9 | % | | | % | @ | Cts. | |
| Zinc | .3 | % | | | % | @ | Cts. | |
| Sulphur | .4 | % | | | % | @ | Cts. | |
| Alumina | .3 | % | | | % | @ | Cts. | |
| As | .80 | % | | | % | @ | Cts. | |
| Sb | .17 | % | | | % | @ | Cts. | |
| Bi | | % | | | % | @ | Cts. | |
| TOTAL DEDUCTIONS | | | | | | | | 5.40 |
| NET VALUE PER TON | | | | | | | | 12.24 |

| | | | | Debits | Credits |
|---|---|---|---|---|---|
| Total Value on | 31.660 | Dry Tons @ | 12.24 Per Ton | | 387.52 |
| Less Freight on | 31.980 | Wet Tons @ | 2.12 Per Ton | 67.80 | |
| Less Freight on Sacks Returned | | Hauling Charge | | | |
| Less Demurrage | | Switching | | 2.63 | |
| Less Representation | | Umpires | | | |
| Less Duty and Brokerage | | | | | |
| Amount withheld pending receipt of Silver Affidavit | | 10% | .22 | 2.22 | |
| Royalty | 10% | | | 31.49 | |
| Valuation for freight per wet ton $12.12 | | BALANCE DUE SHIPPER | | 283.38 | |
| | | | | 387.52 | 387.5 |

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