

Mabel Mine  
Ore Settlements  
Lots 24-31

1924

MABEL MINE SERIES  
ORE SETTLEMENTS  
LOTS 24 - 31

23

1924

(254) Item 117

23 of

4840 0914

formerly

4840 0117

see also 4840

0117, 0911, 0912, 0913,

0915, 0916, 0917, 0918,

0919, 0920, 0921, 0922,

0923, 0924, 0925, and 0926

SETTLEMENT ASSAYS ON MABEL ONE  
WEST END CONSOLIDATED MINING COMPANY

Our Lot No. 31 -      Smelter Lot No. 2 -      Settlement - Dated - 11/4/24

| <u>FIRST SAMPLING:</u> | <u>Gold</u> | <u>Silver</u> | <u>Lead</u> |
|------------------------|-------------|---------------|-------------|
| <u>Original Pulps</u>  |             |               |             |

|                             |      |       |     |
|-----------------------------|------|-------|-----|
| U. S. S. R. & M. Co.        | 1.31 | 80.3  | 4.9 |
| Black & Deason              | 1.33 | 81.3  | 6.4 |
| Umpire (Crismon & Nicholas) |      | 80.28 | 5.7 |
| Average                     | 1.32 | 80.5  | 6.0 |

| <u>FIRST SAMPLING:</u> |  |  |  |
|------------------------|--|--|--|
| <u>Duplicate Pulps</u> |  |  |  |

|                      |      |       |  |
|----------------------|------|-------|--|
| U. S. S. R. & M. Co. | 1.29 | 80.2  |  |
| Black & Deason       | 1.31 | 81.2  |  |
| Umpire (Cowan)       |      | 80.72 |  |
| Average              | 1.30 | 80.72 |  |

| <u>SECOND SAMPLING:</u> |  |  |  |
|-------------------------|--|--|--|
| <u>Original Pulps</u>   |  |  |  |

|                      |      |      |  |
|----------------------|------|------|--|
| U. S. S. R. & M. Co. | 1.13 | 79.2 |  |
| Black & Deason       | 1.17 | 80.4 |  |
| Umpire (Union)       | 1.15 | 80.0 |  |
| Average              | 1.15 | 80.0 |  |

| <u>SECOND SAMPLING:</u> |  |  |  |
|-------------------------|--|--|--|
| <u>Duplicate Pulps</u>  |  |  |  |

|                      |      |      |  |
|----------------------|------|------|--|
| U. S. S. R. & M. Co. | 1.16 | 80.2 |  |
| Black & Deason       | 1.16 | 80.6 |  |
| Average              | 1.16 | 80.4 |  |

|                         |        |        |     |
|-------------------------|--------|--------|-----|
| Average of above Assays | 1.2325 | 80.355 | 6.0 |
| Settlement Assays       | 1.2325 | 80.355 | 6.4 |

Assays on Pulps run by Montague  
at West End Assay Office.

| <u>FIRST SAMPLING</u> |      |       |     |
|-----------------------|------|-------|-----|
| <u>Original Pulp</u>  | 1.25 | 79.45 | 2.3 |
| <u>Duplicate Pulp</u> | 1.25 | 80.25 | 2.3 |

| <u>SECOND SAMPLING</u>       |       |        |     |
|------------------------------|-------|--------|-----|
| <u>Original Pulp</u>         | 1.12  | 79.80  | 2.3 |
| <u>Duplicate Pulp</u>        | 1.12  | 80.20  | 2.3 |
| <u>Average of our Assays</u> | 1.185 | 79.925 | 2.3 |

MARSH ESTIMATE \$85.00

Our Lot No. 32 -      Smelter Lot No. 3 -      Settlement Dated - 12/6/24

| <u>FIRST SAMPLING:</u> | <u>Gold</u> | <u>Silver</u> | <u>Lead</u> |
|------------------------|-------------|---------------|-------------|
|------------------------|-------------|---------------|-------------|

|                      |      |      |      |
|----------------------|------|------|------|
| U. S. S. E. & M. Co. | 1.43 | 83.2 | 9.2  |
| Black & Deason       | 1.44 | 84.4 | 10.4 |
| Umpire (Cowan)       |      | 84.6 | 9.8  |

| <u>SECOND SAMPLING:</u> |  |  |  |
|-------------------------|--|--|--|
|-------------------------|--|--|--|

|                             |       |      |      |
|-----------------------------|-------|------|------|
| U. S. S. R. & M. Co.        | 1.41  | 84.1 | 9.3  |
| Black & Deason              | 1.425 | 85.5 | 10.3 |
| Umpire (Union Assay Office) |       | 84.4 |      |

|                          |       |        |     |
|--------------------------|-------|--------|-----|
| Settlement Assays        | 1.426 | 84.4   | 9.8 |
| Car Sample taken at Mina | 1.27  | 102.89 | 9.5 |

Assays on Pulps run by Montague  
at West End Assay Office

|                 |      |       |     |
|-----------------|------|-------|-----|
| First Sampling  | 1.34 | 82.35 | 9.1 |
| Second Sampling | 1.34 | 83.25 | 9.2 |

(MARSH ESTIMATE 100.00)



Dec. 30, 1924.

Utah Ore Sampling Co.,  
819-20 Newhouse Bldg.,  
Salt Lake City, Utah.

Gentlemen:-

We have shipped from our Mabel Mine at Mina, Nevada, on December 29th, car T. & N. O. 38934 containing ore to the U. S. Smelting, Refining & Mining Company at their Midvale plant. This ore is to be sampled twice at your plant and crushed to pass one inch mesh.

Our representatives will be Black & Deason who will watch this sampling for us. Will you please deliver to them two sets of pulps, an original and duplicate from both samplings. Black & Deason are to run the originals for us and will send the duplicates to us here for the purpose of check in our own assay office.

Yours very truly,

Chief Clerk.

OP\*FA

Dec. 30, 1924

Messrs. Black & Deason,  
165 - South West Temple St.,  
Salt Lake City, Utah.

Gentlemen:-

On December 29th we shipped to the U. S. Smelting, Refining & Mining Company at their Midvale plant carload of ore from our Mabel Mine in car T. & N. O. 38934.

This ore is to be sampled twice at the plant of the Utah Ore Sampling Co. and crushed to pass one inch mesh.

Will you please watch this sampling for us. Kindly secure two sets of pulps from the Utah Ore Sampling Co., the originals only to be run by you and used for the purpose of settlement with the U. S. Smelting, Refining & Mining Co. and the duplicates please send to us for the purpose of check in our own assay office.

Average of the two samplings is to be used in making settlement.

Yours very truly,

Chief Clerk.

OF\*FA



Dec. 30, 1924.

U. S. Smelting, Refining & Mining Co.,  
912 - Newhouse Building,  
Salt Lake City, Utah.

Gentlemen:-

Enclosed is bill of lading covering shipment on December 29th to your Midvale plant from our Mabel Mine at Mina, Nevada, of carload of ore in car T. & N. O. 38934. This ore is to be sampled in transit at the plant of the Utah Ore Sampling Co. and is to be crushed to pass one inch mesh.

Black & Deason of Salt Lake City will watch the sampling of this ore for us. Will you please have the Utah Ore Sampling Co. deliver two sets of pulps to Balch & Deason. They will run the original pulps from each sampling for us to be used in making settlement. The duplicate pulps from each sampling are to be sent to us for the purpose of check in our own assay office.

When making settlement, please send four copies of settlement sheets. Please send settlement as promptly as possible as our year closes December 31st and it will be necessary for us to keep our books open until returns from this carload are received.

Yours very truly,

CF\*FA

Chief Clerk.

*Weight estd 80000# value 125<sup>00</sup> subject to Smelter returns*



# WEST END CONSOLIDATED MINING COMPANY

## DAILY ASSAY REPORT

TONOPAH, NEVADA, Jan. 20-25

192

MABEL\*UTAH ORE S. CO. ORE CONTROL

| SAMPLE<br>NUMBER | WORKING PLACE | GOLD   |       | SILVER |       | TOTAL<br>VALUE | REMARKS |
|------------------|---------------|--------|-------|--------|-------|----------------|---------|
|                  |               | OUNCES | VALUE | OUNCES | VALUE |                |         |

|       |                          |      |  |       |  |  |              |
|-------|--------------------------|------|--|-------|--|--|--------------|
| 4/470 | 1-12-25<br>1 St Sampling | 1.33 |  | 93.20 |  |  | Pb<br>12.5 % |
| 4/474 | 2 nd. Sampling           | 1.27 |  | 92.20 |  |  | 12.5 %       |

J.P.M.  
JPM ASSAYER



# WEST END CONSOLIDATED MINING COMPANY

## DAILY ASSAY REPORT

MABEL, UTAH ORE S. CO. ORE CONTROL

TONOPAH, NEVADA, Jan. 20-25

192

| SAMPLE<br>NUMBER | WORKING PLACE | GOLD   |       | SILVER |       | TOTAL<br>VALUE | REMARKS |
|------------------|---------------|--------|-------|--------|-------|----------------|---------|
|                  |               | OUNCES | VALUE | OUNCES | VALUE |                |         |

|       |                          |      |  |       |  |              |  |
|-------|--------------------------|------|--|-------|--|--------------|--|
| 4/470 | 1-12-25<br>1 St Sampling | 1.33 |  | 93.20 |  | Pb<br>12.5 % |  |
| 4/474 | 2 nd. Sampling           | 1.27 |  | 92.20 |  | 12.5 %       |  |

J.P.M.  
JPM ASSAYER

# WEST END CONSOLIDATED MINING COMPANY

## DAILY ASSAY REPORT

TONOPAH, NEVADA, Jan. 20-25

192

NABEL MOUNTAIN ORE S. CO. ORE CONTROL

| SAMPLE<br>NUMBER | WORKING PLACE  | GOLD   |       | SILVER |       | TOTAL<br>VALUE | REMARKS      |
|------------------|----------------|--------|-------|--------|-------|----------------|--------------|
|                  |                | OUNCES | VALUE | OUNCES | VALUE |                |              |
|                  | 1-12-25        |        |       |        |       |                |              |
| 4/470            | 1 St Sampling  | 1.33   |       | 93.20  |       |                | Pb<br>12.5 % |
| 4/474            | 2 nd. Sampling | 1.27   |       | 92.20  |       |                | 12.5 %       |

JPM

ASSAYER



## UNITED STATES SMELTING, REFINING &amp; MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

Salt Lake City, Utah,

December 6, 1924.

Pay West End Cons. Mng. Co.

Ore Mable Ore

Lot No. 3

Class

Sampled by U.O.S.

Received 11-29

Sampled 12-1

Assayed 12-3

Metal Quotations—Silver .69

Copper, N. Y.

Lead, N. Y. 8.775

Zinc

| ASSAYS  | GOLD<br>OZS. PER TON | SILVER<br>OZS. PER TON | PER CENT<br>COPPER WET | PER CENT<br>LEAD | PER CENT<br>INSOLUBLE | PER CENT<br>IRON | PER CENT<br>ZINC | PER CENT<br>SULPHUR | PER CENT | PER CENT |
|---|----------------------|------------------------|------------------------|------------------|-----------------------|------------------|------------------|---------------------|----------|----------|
| U. S. S. Co. <sup>first</sup> <del>second</del> | 1:43                 | 83:2                   |                        | 9:3              | 72.7                  | 5.1              |                  | .3                  |          |          |
| <sup>first</sup> <del>second</del>              | 1:44                 | 84:4                   |                        | 10:4             | 72.4                  | 5.5              |                  | .6                  |          |          |
| <sup>first</sup> <del>second</del> Umpire       | 1:425                | 85:5                   |                        | 9:8              |                       |                  |                  |                     |          |          |
| Settlement Assay                                | 1.42625              | 84.40                  |                        | 9.8              | 72.55                 | 5.3              |                  | .45                 |          |          |

| CAR NOS.                         | WET WEIGHT | METAL VALUES              | WORKING CHARGE           |
|----------------------------------|------------|---------------------------|--------------------------|
| U.P. 62041                       |            | Gold 27 10                | Treatment 5 02           |
|                                  |            | Silver 55 32              | Insoluble 7 26           |
|                                  |            | Copper                    | Zinc                     |
|                                  |            | Lead 12 57                | Sulphur                  |
|                                  |            |                           | Speiss                   |
|                                  |            |                           |                          |
|                                  |            |                           |                          |
| Total Wet Weight                 |            |                           |                          |
| Sacks                            |            |                           |                          |
| Net Weight 77660                 |            | Gross Value 94 99         | Total Debit 12 28        |
| Less H <sub>2</sub> O 2.3 % 1786 |            | Less Working Charge 11 96 | Iron 32                  |
|                                  |            |                           | Net Working Charge 11 96 |

Dry Weight, lbs. 75874

A charge of Five Dollars made for sampling on all lots of ore containing less than ten tons, dry weight. Rates subject to change without notice when not under contract or for specified tonnage.

Payment for 37.937

tons @ 83 03

per ton

3149 91

Freight advanced @ 7.80

per ton

312.00

40.0 min

Assay Charges

9.00

Sampling Charges 1/2

34.91

Umpps.

5.00

Watching

7.50

Freight c/n Lot 2

1.14

367 27

Checked by

Approved by

Net Payment

2782 64

## UTAH ORE SAMPLING COMPANY

MURRAY PLANT

1st Sampling

WEIGHT AND MOISTURE CERTIFICATE

Lot 2 West End Cons. Mng Co. Ore Mabel Mine

Class

| INTO CAR                                | GROSS  | TARE  | NET   | FROM CAR |  |
|---|--------|-------|-------|----------|--|
| RG 43262                                | 122500 | 41700 | 80800 | SP 18189 |  |
| Received Oct. 26, sampled Oct. 28, 1924 |        |       |       |          |  |
|   |        |       |       |          |  |
|   |        |       |       |          |  |

Total Wet Weight

lbs.

Sacks

lbs.

Net Weight of Ore,

80800

lbs.

Moisture 2.7 %

2182

lbs.

Dry Weight of Ore,

78618

lbs.

Salt Lake City, Utah

Oct. 29, 1924

UTAH ORE SAMPLING COMPANY

Per



Sampler Lot

104

# UTAH ORE SAMPLING COMPANY

MURRAY PLANT

## WEIGHT AND MOISTURE CERTIFICATE

2nd Sampling

Lot 2 West End Cons Mng Co.

Ore

Class

| INTO CAR | GROSS                 | TARE  | NET   | FROM CAR |  |
|----------|-----------------------|-------|-------|----------|--|
| RG 40125 | 122120                | 41640 | 80480 | RG 43262 |  |
|          | Sampled Oct. 28, 1924 |       |       |          |  |
|          |                       |       |       |          |  |

Total Wet Weight \_\_\_\_\_ lbs.  
 \_\_\_\_\_ Sacks \_\_\_\_\_ lbs.

Net Weight of Ore, 80480 lbs.

Moisture 2.3 % 1852 lbs.

Dry Weight of Ore, 78628 lbs.

Salt Lake City, Utah Oct. 29, 1924

UTAH ORE SAMPLING COMPANY

Per \_\_\_\_\_

# UTAH ORE SAMPLING COMPANY

MURRAY PLANT

## WEIGHT AND MOISTURE CERTIFICATE

2nd Sampling

Lot 2 West End Cons Mng Co.

Ore

Class

| INTO CAR              | GROSS  | TARE  | NET   | FROM CAR |  |
|-----------------------|--------|-------|-------|----------|--|
| RG 40125              | 122120 | 41640 | 80480 | RG 43262 |  |
| Sampled Oct. 28, 1924 |        |       |       |          |  |
|                       |        |       |       |          |  |
|                       |        |       |       |          |  |

Total Wet Weight lbs.

Sacks lbs.

Net Weight of Ore, 80480 lbs.

Moisture 2.3 % 1852 lbs.

Dry Weight of Ore, 78628 lbs.

Salt Lake City, Utah Oct. 29, 1924

UTAH ORE SAMPLING COMPANY

Per \_\_\_\_\_



## UTAH ORE SAMPLING COMPANY

MURRAY PLANT

1st Sampling

WEIGHT AND MOISTURE CERTIFICATE

Lot 2 West End Cons. Mng Co..

Ore Mabel Mine

Class

| INTO CAR                                | GROSS  | TARE  | NET   | FROM CAR |  |
|---|--------|-------|-------|----------|--|
| RG 43262                                | 122500 | 41700 | 80800 | SP 18189 |  |
| Received Oct. 26, sampled Oct. 28, 1924 |        |       |       |          |  |
|   |        |       |       |          |  |
|   |        |       |       |          |  |

Total Wet Weight lbs.

Sacks lbs.

Net Weight of Ore, 80800 lbs.

Moisture 2.7 % 2182 lbs.

Dry Weight of Ore, 78618 lbs.

Salt Lake City, Utah Oct. 29, 1924

UTAH ORE SAMPLING COMPANY

Per

F. J. NICHOLS

C. C. CRISMON

# CRISMON & NICHOLS

## ASSAYERS AND CHEMISTS

229-231 SO. WEST TEMPLE ST.

Phone Was. 2393

Salt Lake City, Utah, Oct. 31, 1924.

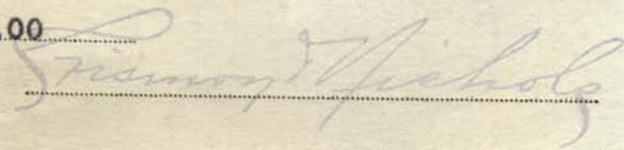
NAME West End Cons. Mng. Co.

WEIGHT .....

CLASS .....

LOT NO. 2-Orig.SAMPLED BY Ut. Ore Sampling Co.**UMPIRE ASSAY-PER TON 2000 LBS.**

| GOLD-Ozs.                 | SILVER-Ozs.   | LEAD-Per cent<br>Wet on Fire | COPPER-Per cent  |
|---------------------------|---------------|------------------------------|------------------|
|                           | 81.60         | 6.7                          |                  |
| Gold not deducted         |               |                              |                  |
| Per cent<br>SILICA INSOL. | IRON-Per cent | ZINC-Per cent                | SULPHUR-Per cent |
|                           |               |                              |                  |
| SPEISS-Per cent           | LIME-Per cent | MANGANESE<br>Per cent        | Per cent         |
|                           |               |                              |                  |

CHARGES \$ 7.00




165 S. WEST TEMPLE ST.

CERTIFICATE OF ASSAY

TELEPHONE WAS. 1214

BLACK & DEASON

ASSAYERS AND CHEMISTS

NAME ~~West~~ End Con.

SALT LAKE CITY, UTAH. Oct. 29th, 1924

LOT NO. 2 Original

SAMPLED BY U.O.S.

ASSAY PER TON OF 2,000 POUNDS

| GOLD—Ozs.    | SILVER—Ozs.  | LEAD—%     | COPPER—%   | SPEISS—% | SILICA—%    |
|--------------|--------------|------------|------------|----------|-------------|
| 1.31<br>1.33 | 80.3<br>81.3 | 4.9<br>6.4 |            |          |             |
| INSOLUBLE—%  | ZINC—%       | SULPHUR—%  | IRON—%     | LIME—%   | MANGANESE—% |
| 75.4<br>75.4 | Trace<br>0.9 | 0.6<br>0.7 | 6.5<br>6.4 |          |             |

CHARGE, \$ \_\_\_\_\_

*Black & Deason* ASSAYERS

165 S. WEST TEMPLE ST.

CERTIFICATE OF ASSAY

TELEPHONE WAS. 1214

BLACK & DEASON

ASSAYERS AND CHEMISTS

NAME **West End Con.**

SALT LAKE CITY, UTAH. **Oct. 29th, 1924**

LOT NO. **2 Original**

SAMPLED BY **U.O.S.**

ASSAY PER TON OF 2,000 POUNDS

| GOLD—Ozs.   | SILVER—Ozs. | LEAD—%     | COPPER—%   | SPEISS—% | SILICA—%    |
|-------------|-------------|------------|------------|----------|-------------|
| <b>1.33</b> | <b>81.3</b> | <b>6.4</b> |            |          |             |
| INSOLUBLE—% | ZINC—%      | SULPHUR—%  | IRON—%     | LIME—%   | MANGANESE—% |
| <b>75.4</b> | <b>0.9</b>  | <b>0.7</b> | <b>6.4</b> |          |             |

CHARGE, \$ \_\_\_\_\_

*Black & Deason*

ASSAYERS



165 S. WEST TEMPLE ST.

## CERTIFICATE OF ASSAY

TELEPHONE WAS. 1214

## BLACK &amp; DEASON

ASSAYERS AND CHEMISTS

SALT LAKE CITY, UTAH, Oct. 29th, 1924

NAME West End Con.

LOT NO. 2 Duplicate resample SAMPLED BY U.O.S.

ASSAY PER TON OF 2,000 POUNDS

| GOLD—Ozs.    | SILVER—Ozs.  | LEAD—%    | COPPER—% | SPEISS—% | SILICA—%    |
|--------------|--------------|-----------|----------|----------|-------------|
| 1.16<br>1.16 | 80.2<br>80.6 |           |          |          |             |
| INSOLUBLE—%  | ZINC—%       | SULPHUR—% | IRON—%   | LIME—%   | MANGANESE—% |
|              |              |           |          |          |             |

CHARGE, \$ \_\_\_\_\_

*Black & Deason* ASSAYERS

165 S. WEST TEMPLE ST.

CERTIFICATE OF ASSAY

TELEPHONE WAS. 1214

BLACK & DEASON

ASSAYERS AND CHEMISTS

NAME **West End Con.**

SALT LAKE CITY, UTAH, **Oct. 29th, 1924**

LOT NO. **2 Duplicate resample**

SAMPLED BY **U.O.S.**

ASSAY PER TON OF 2,000 POUNDS

| GOLD—Ozs.   | SILVER—Ozs. | LEAD—%    | COPPER—% | SPEISS—% | SILICA—%    |
|-------------|-------------|-----------|----------|----------|-------------|
| <b>1.16</b> | <b>80.6</b> |           |          |          |             |
| INSOLUBLE—% | ZINC —%     | SULPHUR—% | IRON—%   | LIME—%   | MANGANESE—% |
|             |             |           |          |          |             |

CHARGE, \$ \_\_\_\_\_

*Black & Deason* ASSAYERS



165 S. WEST TEMPLE ST.

TELEPHONE WAS. 1214

CERTIFICATE OF ASSAY  
**BLACK & DEASON**  
ASSAYERS AND CHEMISTS

SALT LAKE CITY, UTAH.

Oct. 29th, 1924

NAME **West End Con.**

LOT NO. **2 Original resample**

SAMPLED BY **U.O.S.**

ASSAY PER TON OF 2,000 POUNDS

| GOLD—Ozs.                  | SILVER—Ozs.                | LEAD—%    | COPPER—% | SPEISS—% | SILICA—%    |
|----------------------------|----------------------------|-----------|----------|----------|-------------|
| <b>1.13</b><br><b>1.17</b> | <b>79.2</b><br><b>80.4</b> |           |          |          |             |
| INSOLUBLE—%                | ZINC—%                     | SULPHUR—% | IRON—%   | LIME—%   | MANGANESE—% |
|                            |                            |           |          |          |             |

CHARGE, \$ \_\_\_\_\_

*Black & Deason* ASSAYERS

**CERTIFICATE OF ASSAY**  
**CUSTOM ASSAY OFFICE AND CHEMICAL LABORATORY OF**

**C. S. COWAN**

160 S. WEST TEMPLE ST.

MARKED West End Cons Mng Co.

CLASS \_\_\_\_\_

LOT 98- 2 Dupl LBS. \_\_\_\_\_

SAMPLED BY U.O.S.Co

**RESULTS PER TON OF 2,000 POUNDS**

| OZS. GOLD           | OZS. SILVER        | Per cent LEAD* | Per cent COPPER  |  |  |
|---------------------|--------------------|----------------|------------------|--|--|
|                     | 82.02              |                |                  |  |  |
| (Gold not deducted) |                    |                |                  |  |  |
| Per cent IRON       | Per cent L. SILICA | Per cent ZINC  | Per cent SULPHUR |  |  |
|                     |                    |                |                  |  |  |

STRAIGHT FIRE

WET ON FIRE

COPPER OUT

WET ON ORE

**UMPIRE**

SALT LAKE CITY, UTAH Oct 31st. 24

Charges, \$ 3.

By *C. S. Cowan*



165 S. WEST TEMPLE ST.

CERTIFICATE OF ASSAY

TELEPHONE WAS. 1214

BLACK & DEASON

ASSAYERS AND CHEMISTS

NAME **West End Con.**

SALT LAKE CITY, UTAH, **Oct. 29th, 1924**

LOT NO. **2 Original resample**

SAMPLED BY **U.O.S.**

ASSAY PER TON OF 2,000 POUNDS

| GOLD—Ozs.   | SILVER—Ozs. | LEAD—%    | COPPER—% | SPEISS—% | SILICA—%    |
|-------------|-------------|-----------|----------|----------|-------------|
| <b>1.17</b> | <b>80.4</b> |           |          |          |             |
| INSOLUBLE—% | ZINC—%      | SULPHUR—% | IRON—%   | LIME—%   | MANGANESE—% |
|             |             |           |          |          |             |

CHARGE, \$ \_\_\_\_\_

*Black & Deason* ASSAYERS

165 S. WEST TEMPLE ST.

CERTIFICATE OF ASSAY

TELEPHONE WAS. 1214

BLACK & DEASON

ASSAYERS AND CHEMISTS

NAME **West End Con.**

SALT LAKE CITY, UTAH, **Oct. 29th, 1924**

LOT NO. **2 Duplicate**

SAMPLED BY **U.C.S.**

ASSAY PER TON OF 2,000 POUNDS

| GOLD—Ozs.   | SILVER—Ozs. | LEAD—%    | COPPER—% | SPEISS—% | SILICA—%    |
|-------------|-------------|-----------|----------|----------|-------------|
| <b>1.31</b> | <b>81.2</b> |           |          |          |             |
| INSOLUBLE—% | ZINC—%      | SULPHUR—% | IRON—%   | LIME—%   | MANGANESE—% |
|             |             |           |          |          |             |

CHARGE, \$ \_\_\_\_\_

*Black & Deason* ASSAYERS



165 S. WEST TEMPLE ST.

## CERTIFICATE OF ASSAY

TELEPHONE WAS. 1214

## BLACK &amp; DEASON

ASSAYERS AND CHEMISTSNAME **West End Con.**SALT LAKE CITY, UTAH, **Oct. 29th, 1924**LOT NO. **2 Duplicate**SAMPLED BY **U.O.S.**

ASSAY PER TON OF 2,000 POUNDS

| GOLD—Ozs.                  | SILVER—Ozs.                | LEAD—%    | COPPER—% | SPEISS—% | SILICA—%    |
|----------------------------|----------------------------|-----------|----------|----------|-------------|
| <b>1.29</b><br><b>1.31</b> | <b>80.2</b><br><b>81.2</b> |           |          |          |             |
| INSOLUBLE—%                | ZINC —%                    | SULPHUR—% | IRON—%   | LIME—%   | MANGANESE—% |
|                            |                            |           |          |          |             |

CHARGE, \$ \_\_\_\_\_

*Black & Deason* ASSAYERS

Lot No. 2 c Resample Murray Oct 29 1924  
SHIPPER West End Con SAMPLED BY Utah Ore Sampling Co

**Cars and Contents O. K. When Received Unless Noted Otherwise**

$$\begin{array}{r} 80480 \\ 1852 \\ \hline 78628 \end{array}$$

S. J. Stauffer



# CRISMON & NICHOLS

## ASSAYERS AND CHEMISTS

229-231 SO. WEST TEMPLE ST.

Phone Was. 2393

Salt Lake City, Utah, Oct. 31, 1924.

NAME West End Cons. Mng. Co.

WEIGHT .....

CLASS .....

LOT NO, 2-Orig.SAMPLED BY Ut. Ore Sampling Co.**UMPIRE ASSAY-PER TON 2000 LBS.**

| GOLD-Ozs.                    | SILVER-Ozs.   | LEAD-Per cent<br>Wet on Fire | COPPER-Per cent  |
|------------------------------|---------------|------------------------------|------------------|
|                              | 81.60         | 6.7                          |                  |
| Gold not deducted            |               |                              |                  |
| Per cent<br>SILICA    INSOL. | IRON-Per cent | ZINC-Per cent                | SULPHUR-Per cent |
|                              |               |                              |                  |
| SPEISS-Per cent              | LIME-Per cent | MANGANESE<br>Per cent        | Per cent         |
|                              |               |                              |                  |

CHARGES \$ 7.00


## WEIGHT AND MOISTURE CERTIFICATE

Lot No. 2 cr

Munday Oct-29 1924

SHIPPER West End ConSAMPLED BY Utah Ore Sampling Co

| Received |    | Sampled |    | FROM CARS |         | LOADED IN CARS |         | Moisture | Gross Weight |     |  | Tare |    |  | Net Weight |    |  |
|----------|----|---------|----|-----------|---------|----------------|---------|----------|--------------|-----|--|------|----|--|------------|----|--|
|          |    |         |    | Initials  | Numbers | Initials       | Numbers |          |              |     |  |      |    |  |            |    |  |
| 10       | 26 | 10      | 28 | S.P.      | 18189   | R.T.           | 43262   | 27       | 172          | 500 |  | 417  | 00 |  | 808        | 00 |  |
|          |    |         |    |           |         |                |         |          |              |     |  |      |    |  |            |    |  |
|          |    |         |    |           |         |                |         |          |              |     |  |      |    |  |            |    |  |
|          |    |         |    |           |         |                |         |          |              |     |  |      |    |  |            |    |  |
|          |    |         |    |           |         |                |         |          |              |     |  |      |    |  |            |    |  |
|          |    |         |    |           |         |                |         |          |              |     |  |      |    |  |            |    |  |
|          |    |         |    |           |         |                |         |          |              |     |  |      |    |  |            |    |  |
|          |    |         |    |           |         |                |         |          |              |     |  |      |    |  |            |    |  |
|          |    |         |    |           |         |                |         |          |              |     |  |      |    |  |            |    |  |

Cars and Contents O. K. When Received Unless Noted Otherwise

## SACKS

No. Weight Condition

|  |  |  |
|--|--|--|
|  |  |  |
|--|--|--|

Total Net Weight

Moisture 27 Per Cent

Total Net Dry Weight

80800

2182

78618

Weather

windy

Remarks:

O + D SampleS. J. Stauffer



# West End Consolidated Mining Company

## DAILY ASSAY REPORT

WEST END -UTAH SAMPLING Co Ore Control.

Tonopah, Nevada, Nov. 5-24 192

| Sample Number | WORKING PLACE         | GOLD   |       | SILVER |       | TOTAL VALUE | REMARKS |
|---------------|-----------------------|--------|-------|--------|-------|-------------|---------|
|               |                       | Ounces | Value | Ounces | Value |             |         |
| Orig.         | 2/98 10-2-24          | 1.25   |       | 79.45  |       |             | Pb      |
| Dup           | " " " "               | 1.25   |       | 80.25  |       |             | 2.3 %   |
|               | Resample              |        |       |        |       |             | 2.3 %   |
| Orig.         | 2/104 " " "           | 1.12   |       | 79.80  |       |             | 2.3 %   |
| Dup.          | " " " "               | 1.12   |       | 80.20  |       |             |         |
|               | average of four chips | 1.185  |       | 79.925 |       |             |         |

J. P. M.

Assayer

# West End Consolidated Mining Company

## DAILY ASSAY REPORT

Tonopah, Nevada, Nov. 5-24 192

WEST END -UTAH SAMPLING Co Ore Control.

| Sample Number | WORKING PLACE | GOLD   |       | SILVER |       | TOTAL VALUE | REMARKS |
|---------------|---------------|--------|-------|--------|-------|-------------|---------|
|               |               | Ounces | Value | Ounces | Value |             |         |
| Orig.         | 2/98 10-2-24  | 1.25   |       | 79.45  |       |             | Pb      |
| Dup           | " " " "       | 1.25   |       | 80.25  |       |             | 2.3 %   |
|               | Resample      |        |       |        |       |             | 2.3 %   |
| Orig.         | 2/104 " " "   | 1.12   |       | 79.80  |       |             | 2.3 %   |
| Dup.          | " " " "       | 1.12   |       | 80.20  |       |             |         |

J. P. M.

Assayer



# SETTLEMENT ASSAY.

West End Consolidated Mining Co.,

Lot 2.

| First Sample.              | Gold | Silver | Lead |
|----------------------------|------|--------|------|
| Original Pulp              |      |        |      |
| U.S.S.R. & M.Co.           | 1.31 | 80.3   | 4.9  |
| Black & Deason             | 1.33 | 81.3   | 6.4  |
| Umpire (Crismon & Nichols) |      | 80.28  | 6.7  |
| Average .....              | 1.32 | 80.3   | 6.4  |

|                  |      |       |  |
|------------------|------|-------|--|
| Duplicate Pulp   |      |       |  |
| U.S.S.R. & M.Co. | 1.29 | 80.2  |  |
| Black & Deason   | 1.31 | 81.2  |  |
| Umpire (Cowan)   |      | 80.72 |  |
| Average.....     | 1.30 | 80.72 |  |

## SECOND SAMPLE

|                  |      |      |
|------------------|------|------|
| Original Pulp    |      |      |
| U.S.S.R. & M.Co. | 1.13 | 79.2 |
| Black & Deason   | 1.17 | 80.4 |
| Umpire (Union)   | 1.15 | 80.0 |
| Average.....     | 1.15 | 80.0 |

|                  |      |      |
|------------------|------|------|
| Duplicate Pulp   |      |      |
| U.S.S.R. & M.Co. | 1.16 | 80.2 |
| Black & Deason   | 1.16 | 80.6 |
| Average.....     | 1.16 | 80.4 |

|                         |        |        |     |
|-------------------------|--------|--------|-----|
| AVERAGE FOUR PULPS..... | 1.2325 | 80.355 | 6.4 |
|-------------------------|--------|--------|-----|

Gen. Serial **69176-**

## ASSAY CERTIFICATE

**UNION ASSAY OFFICE, INC.**

M. S. HANAUER, PRES.

J. V. SADLER, V.-PRES &amp; TREAS.

A. C. SELBY, SEC'Y

SALT LAKE CITY, UTAH.

Mine West End-

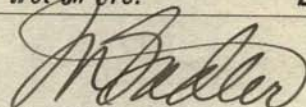
## RESULTS PER TON OF 2000 POUNDS.

Oct. 31st, 1924-

| LOT | CLASS         | GOLD<br>Ozs. per Ton | SILVER<br>Ozs. per Ton | LEAD<br>Per Cent. | COPPER<br>Per Cent.<br>Wet | INSOL.<br>Per Cent. | ZINC<br>Per Cent. | SULPHUR<br>Per Cent. | SPEISS<br>Per Cent. | IRON<br>Per Cent. | LIME<br>Per Cent. | MANGANESE<br>Per Cent. | Per Cent. |
|-----|---------------|----------------------|------------------------|-------------------|----------------------------|---------------------|-------------------|----------------------|---------------------|-------------------|-------------------|------------------------|-----------|
| 2-  | Second Sample | 1.150                | 80.0                   |                   |                            |                     |                   |                      |                     |                   |                   |                        |           |

Remarks

Lead reported as:

Fire Assay.Wet on Button.Wet on Ore.Less CopperSampled by U.O.S. Co.Charges \$ 5.00


UMPIRE ASSAY



## UNITED STATES SMELTING, REFINING &amp; MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

Salt Lake City, Utah, November 4, 1924.

Pay West End Cons. Mng. Co.

Ore Mabel ore

Lot No. 2

Class

Sampled by

Received 10-26

Sampled 10-28

Assayed 10-30

Metal Quotations—Silver .70125

Copper, N. Y.

Lead, N. Y.

8.192

Zinc

ASSAYS

GOLD  
OZS. PER TONSILVER  
OZS. PER TONPER CENT  
COPPER WETPER CENT  
LEADPER CENT  
INSOLUBLEPER CENT  
IRONPER CENT  
ZINCPER CENT  
SULPHUR

PER CENT

PER CENT

U. S. S. Co.

Umpire

Settlement Assay

1.2325

80.355

6.4

75.4

6.45

.9

.65

CAR NOS.

WET WEIGHT

METAL VALUES

WORKING CHARGE

S. P. 18189

Gold

23

42 ✓

Treatment

5

36 ✓

Silver

53

53 ✓

Insoluble

7

54 ✓

Copper

Zinc

Lead

7

54 ✓

Sulphur

Speiss

Total Wet Weight

Sacks

Net Weight

80800 ✓

Less H<sub>2</sub>O 2.7 %

2182 ✓

Gross Value

84

49 ✓

Total Debit

12

90 ✓

Less Working Charge

12

51 ✓

Net Working Charge

12

51 ✓

Dry Weight, lbs.

78618 ✓

Payment for

39.309

tons @

71

98 ✓

per ton

2829.46 ✓

Freight advanced @ 7.10

per ton

266.84 ✓

Assay Charges

14.00 ✓

Sampling Charges

1/2

36.28 ✓

Umpires

4.25 ✓

Watching

7.50 ✓

Demurrage

2.00 ✓

350.87 ✓

A charge of Five Dollars made for sampling on all lots of ore containing less than ten tons, dry weight. Rates subject to change without notice when not under contract or for specified tonnage.

Checked by

Approved by

Net Payment

2478 59 ✓



# SETTLEMENT ASSAY.

West End Consolidated Mining Co.,

Lot 2.

| First Sample.              | Gold     | Silver   | Lead  |
|----------------------------|----------|----------|-------|
| Original Pulp              |          |          |       |
| U.S.S.R. & M.Co.           | 1.31 ✓   | 80.3 ✓   | 4.9 ✓ |
| Black & Deason             | 1.33 ✓   | 81.3 ✓   | 6.4 ✓ |
| Umpire (Crismon & Nichols) |          | 80.28 ✓  | 6.7 ✓ |
| Average .....              | 1.32 ✓   | 80.3 ✓   | 6.4 ✓ |
| <i>our assay</i>           | 1.25     | 79.45    | 2.3   |
| Duplicate Pulp             |          |          |       |
| U.S.S.R. & M.Co.           | 1.29 ✓   | 80.2 ✓   |       |
| Black & Deason             | 1.31 ✓   | 81.2 ✓   |       |
| Umpire (Cowan)             |          | 80.72 ✓  |       |
| Average .....              | 1.30 ✓   | 80.72 ✓  |       |
| <i>our assay</i>           | 1.25     | 80.25    | 2.3   |
| SECOND SAMPLE              |          |          |       |
| Original Pulp              |          |          |       |
| U.S.S.R. & M.Co.           | 1.13 ✓   | 79.2 ✓   |       |
| Black & Deason             | 1.17 ✓   | 80.4 ✓   |       |
| Umpire (Union)             | 1.15 ✓   | 80.0 ✓   |       |
| Average .....              | 1.15 ✓   | 80.0 ✓   |       |
| <i>our assay</i>           | 1.12     | 79.8     | 2.3   |
| Duplicate Pulp             |          |          |       |
| U.S.S.R. & M.Co.           | 1.16 ✓   | 80.2 ✓   |       |
| Black & Deason             | 1.16 ✓   | 80.6 ✓   |       |
| Average .....              | 1.16 ✓   | 80.4 ✓   |       |
| <i>our assay</i>           | 1.12     | 80.2     | 2.3   |
| AVERAGE FOUR PULPS .....   | 1.2325 ✓ | 80.355 ✓ | 6.4   |
| <i>our average 4 Pulps</i> | 1.185    | 79.925   | 2.3   |



## UNITED STATES SMELTING, REFINING &amp; MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

Salt Lake City, Utah, November 4, 1924.

Pay West End Cons. Mng. Co.

Ore Mabel ore Lot No. 2 Class  
 Sampled by Received 10-26 Sampled 10-28 Assayed 10-30  
 Metal Quotations—Silver .70125 Copper, N. Y. Lead, N. Y. 8.192 Zinc

| ASSAYS           | GOLD<br>OZS. PER TON | SILVER<br>OZS. PER TON | PER CENT<br>COPPER WET | PER CENT<br>LEAD | PER CENT<br>INSOLUBLE | PER CENT<br>IRON | PER CENT<br>ZINC | PER CENT<br>SULPHUR | PER CENT | PER CENT |
|------------------|----------------------|------------------------|------------------------|------------------|-----------------------|------------------|------------------|---------------------|----------|----------|
| U. S. S. Co.     |                      |                        |                        |                  |                       |                  |                  |                     |          |          |
| Umpire           |                      |                        |                        |                  |                       |                  |                  |                     |          |          |
| Settlement Assay | 1.2325               | 80.355                 |                        | 6.4              | 75.4                  | 6.45             | .9               | .65                 |          |          |

| CAR NOS.                    | WET WEIGHT | METAL VALUES        |       | WORKING CHARGE     |       |
|-----------------------------|------------|---------------------|-------|--------------------|-------|
| S.P. 18189                  |            | Gold                | 23 42 | Treatment          | 5 36  |
|                             |            | Silver              | 53 53 | Insoluble          | 7 54  |
|                             |            | Copper              |       | Zinc               |       |
|                             |            | Lead                | 7 54  | Sulphur            |       |
|                             |            |                     |       | Speiss             |       |
|                             |            |                     |       |                    |       |
|                             |            |                     |       |                    |       |
| Total Wet Weight            |            |                     |       |                    |       |
| Sacks                       |            |                     |       | Total Debit        | 12 90 |
| Net Weight                  | 80800      | Gross Value         | 84 49 | Iron               | 39    |
| Less H <sub>2</sub> O 2.7 % | 2182       | Less Working Charge | 12 51 | Net Working Charge | 12 51 |

|   |       |                    |        |               |        |         |         |
|---|-------|--------------------|--------|---------------|--------|---------|---------|
| Dry Weight, lbs.  | 78618 | Payment for        | 39.309 | tons @        | 71 98  | per ton | 2829.46 |
| A charge of Five Dollars made for sampling on all lots of ore containing less than ten tons, dry weight. Rates subject to change without notice when not under contract or for specified tonnage. |       | Freight advanced @ | 7.10   | per ton       | 286.84 |         |         |
|   |       | Assay Charges      |        |               | 74.00  |         |         |
|   |       | Sampling Charges   |        | $\frac{1}{2}$ | 36.28  |         |         |
|   |       | Umpires            |        |               | 4.25   |         |         |
|   |       | Watching           |        |               | 7.50   |         |         |
|   |       | Demurrage          |        |               | 2.00   |         | 350.87  |
| Checked by  |       |                    |        |               |        |         |         |
| Approved by   |       | Net Payment        |        |               |        |         | 2478 59 |



# WEST END CONSOLIDATED MINING COMPANY

## DAILY ASSAY REPORT

WEST END -UTAH ORE S. CO. ORE CONTROL TONOPAH, NEVADA, Nov. 21-24 192

| SAMPLE<br>NUMBER | WORKING PLACE | GOLD   |       | SILVER |       | TOTAL<br>VALUE | REMARKS  |
|------------------|---------------|--------|-------|--------|-------|----------------|----------|
|                  |               | OUNCES | VALUE | OUNCES | VALUE |                |          |
| 2/98 Duplicate   | 11-28-24      | 1.27   |       | 80.75  |       |                | Pb. 2.3% |
| 2/104 Resample   | 11-28-24      | 1.12   |       | 80.30  |       |                | " 2.3%   |

J. P. M.

ASSAYER



# WEST END CONSOLIDATED MINING COMPANY

## DAILY ASSAY REPORT

WEST END -UTAH ORE S. CO. ORE CONTROL, TONOPAH, NEVADA, Nov. 21-24 192  

| SAMPLE<br>NUMBER | WORKING PLACE | GOLD   |       | SILVER |       | TOTAL<br>VALUE | REMARKS  |
|------------------|---------------|--------|-------|--------|-------|----------------|----------|
|                  |               | OUNCES | VALUE | OUNCES | VALUE |                |          |
| 2/8 Duplicate    | 11-28-24      | 1.27   |       | 80.75  |       |                | Pb. 2.3% |
| 2/104 Resample   | 11-28-24      | 1.12   |       | 80.30  |       |                | " 2.3%   |

J. P. M.

ASSAYER



# UTAH ORE SAMPLING COMPANY

SAMPLING MILLS AT MURRAY AND SILVER CITY, UTAH

816-817 NEWHOUSE BLDG,

SALT LAKE CITY, UTAH

October 27, 1924

West End Consolidated Mining Co.,  
Tonopah, Nevada.

Gentlemen:

We acknowledge receipt of your letter of the 23rd advising of the shipment of car SP 18189, containing ore from your Mabel Mine at Mina, Nevada.

The ore will be sampled promptly and accurately and we will follow your instructions as to the disposition to be made of the pulp samples. We will also notify Black & Deason of the time of sampling so that they can be present to watch the operation.

Thanking you for this business, we are

Very truly yours,

Utah Ore Sampling Co.

By *Arnold Berlin*

H



## BLACK &amp; DEASON

ASSAYERS AND CHEMISTS

165 SOUTH WEST TEMPLE STREET

SALT LAKE CITY, UTAH Nov. 3rd, 1924

Otto Falk, Chief Clerk,  
West End Con. Mining Co.  
Tonopah, Nevada.

Dear Sir:-

Inclosed you will please find data on lot 2 from Mabel Mine at Mina. It has taken some time to get ready for settlement as we did not get the last umpires in until this morning.

It seems like a rather heavy assay bill on this lot, our bill for \$14.00 and then we lost the silver on the original \$3 and split the gold on 2 Resample original \$1.25 making a total assay bill of \$18.50. The only consolation is that the umpires we won considerably more than paid for the assay expense.

Mr. Stauffer made a charge of \$7.50 instead of the regular charge of \$5 per lot but as the resampling made it just the same as looking after two lots I could not say any thing as I really do not know where I could do any better.

Trusting that this may prove satisfactory, I remain,

Very truly yours,

Wm A Black



UNITED STATES SMELTING, REFINING AND MINING COMPANY  
MIDVALE SMELTER AND MILLS

DOWNIE D. MUIR, JR., GENERAL MANAGER  
W. H. EARDLEY, ASSISTANT MANAGER  
G. E. FORRESTER, DEPUTY TREAS.  
M. W. WOOLLEY, ORE BUYER

SALT LAKE CITY, UTAH

October 27, 1924.

West End Consolidated Mng. Co.  
Tonopah, Nevada

Gentlemen:

Your letter of October 23, inclosing bill of lading on another car from the Mabel Mine has been received. We note that this ore is to be sampled twice in transit at the Utah Ore Sampling Company, Murray, Utah, after having the rolls adjusted to crush to one inch mesh. We will be glad to forward duplicate pulps to Black & Deason having them run control on one of the pulps and forward the other to you at Tonopah.

Thanking you for the shipment and assuring you we will do everything we can to render prompt and satisfactory settlement, we remain,

Very truly yours,

*M. W. Woolley*

MWW/n



COPY.

For West End Consolidated Mng. Co.  
Tonopah, Nevada

August 9, 1924.

Mr. J. W. Sherwin, Gen. Mgr.,  
West End Consolidated Mng. Co.  
Syndicate Bldg.  
Oakland, Calif.

Dear Mr. Sherwin:

Your letter of August 6, relative to sampling on Mabel Ore has just been received. We are very very glad that the suggestions made in our former letter relative to sampling and re-sampling of Mabel ore by the Utah Ore Sampling Company meets with your approval and that shipment will be forwarded on this basis.

We are notifying the Utah Ore Sampling Company that the ore is to all be crushed to pass one inch mesh and that we are to stand one-half the cost of sampling.

We are somewhat disappointed that you were unable to attend the silver producers convention here. Mr. Eardley has made several inquiries at the hotels to see if you had arrived as he is very anxious to meet you personally.

Reports we received from the East indicate that we will have a strong metal market this fall and we trust that you will be able to market a considerable tonnage from your different properties while prices are so favorable.

With kind regards, I remain,

Very truly yours,

MMV/AMT

*W. W. Woolley*



August 6, 1924.

*Copy*

U.S. Smelting, Refining & Mining Co.,  
Salt Lake City, Utah.

Gentlemen:

Referring to your communication of July 26th, giving the results of the recent sampling on the Mabel ore, we wish to advise that for the time being we will be satisfied to have the ore sampled as stated on page 2 of your letter, in accordance with Mr. Eardley's communication; namely, two samplings to be made by the Utah Ore Sampling Company, who will crush the ore to one inch mesh. The average of these two samples to govern the settlement. You to stand one-half the cost of sampling.

Very truly yours,

*J. W. Sherwin*

General Manager.

JWS:RS

c/c to Tonopah office.

*Copy*



SETTLEMENT ASSAYS ON MABEL CO.  
WEST END CONSOLIDATED MINING COMPANY

Our Lot No. 31 - Smelter Lot No. 2 - Settlement - Dated - 11/4/24

FIRST SAMPLING:  
Original Pulps

|                             | <u>Gold</u> | <u>Silver</u> | <u>Lead</u> |
|-----------------------------|-------------|---------------|-------------|
| U. S. S. R. & M. Co.        | 1.31        | 80.3          | 4.9         |
| Black & Deason              | 1.33        | 81.3          | 6.4         |
| Umpire (Crismon & Nicholas) |             | 80.28         | 5.7         |
| Average                     | 1.32        | 80.3          | 6.0         |

FIRST SAMPLING:  
Duplicate Pulps

|                      |      |       |  |
|----------------------|------|-------|--|
| U. S. S. R. & M. Co. | 1.29 | 80.2  |  |
| Black & Deason       | 1.31 | 81.2  |  |
| Umpire (Cowan)       |      | 80.72 |  |
| Average              | 1.30 | 80.72 |  |

SECOND SAMPLING:  
Original Pulps

|                      |      |      |  |
|----------------------|------|------|--|
| U. S. S. R. & M. Co. | 1.13 | 79.2 |  |
| Black & Deason       | 1.17 | 80.4 |  |
| Umpire (Union)       | 1.15 | 80.0 |  |
| Average              | 1.15 | 80.0 |  |

SECOND SAMPLING:  
Duplicate Pulps

|                      |      |      |  |
|----------------------|------|------|--|
| U. S. S. R. & M. Co. | 1.16 | 80.2 |  |
| Black & Deason       | 1.16 | 80.6 |  |
| Average              | 1.16 | 80.4 |  |

|                         |        |        |     |
|-------------------------|--------|--------|-----|
| Average of above Assays | 1.2325 | 80.355 | 6.0 |
| Settlement Assays       | 1.2325 | 80.355 | 6.4 |

Assays on Pulps run by Montague  
at West End Assay Office.

|   |      |       |     |
|---|------|-------|-----|
| <u>FIRST SAMPLING</u><br><u>Original Pulp</u> | 1.25 | 79.45 | 2.3 |
| <u>Duplicate Pulp</u>                         | 1.25 | 80.25 | 2.3 |

|  |       |        |     |
|--|-------|--------|-----|
| <u>SECOND SAMPLING</u><br><u>Original Pulp</u> | 1.12  | 79.80  | 2.3 |
| <u>Duplicate Pulp</u>                          | 1.12  | 80.20  | 2.3 |
| <u>Average of our Assays</u>                   | 1.185 | 79.925 | 2.3 |

MARSH ESTIMATE # 85.00

Our Lot No. 32 - Smelter Lot No. 3 - Settlement Dated - 12/6/24

FIRST SAMPLING:

|                      | <u>Gold</u> | <u>Silver</u> | <u>Lead</u> |
|----------------------|-------------|---------------|-------------|
| U. S. S. E. & M. Co. | 1.43        | 83.2          | 9.2         |
| Black & Deason       | 1.44        | 84.4          | 10.4        |
| Umpire (Cowan)       |             | 84.6          | 9.8         |

SECOND SAMPLING:

|                             |       |      |      |
|-----------------------------|-------|------|------|
| U. S. S. R. & M. Co.        | 1.41  | 84.1 | 9.3  |
| Black & Deason              | 1.425 | 85.5 | 10.3 |
| Umpire (Union Assay Office) |       | 84.4 |      |

|                          |       |        |     |
|--------------------------|-------|--------|-----|
| Settlement Assays        | 1.426 | 84.4   | 9.8 |
| Car Sample taken at Mina | 1.27  | 102.89 | 9.5 |

Assays on Pulps run by Montague  
at West End Assay Office

|   |      |       |     |
|---|------|-------|-----|
| First Sampling                          | 1.34 | 82.35 | 9.1 |
| Second Sampling (MARSH ESTIMATE 100.00) | 1.34 | 83.25 | 9.2 |



## UNITED STATES SMELTING, REFINING &amp; MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

Salt Lake City, Utah,

December 6, 1924.

Pay West End Cons. Mng. Co.

Ore Mable Ore Lot No. 3 Class  
 Sampled by U.O.S. Received 11-29 Sampled 12-1 Assayed 12-3  
 Metal Quotations—Silver .69 Copper, N. Y. Lead, N. Y. 8.775 Zinc

| ASSAYS             | GOLD<br>OZS. PER TON | SILVER<br>OZS. PER TON | PER CENT<br>COPPER WET | PER CENT<br>LEAD | PER CENT<br>INSOLUBLE | PER CENT<br>IRON | PER CENT<br>ZINC | PER CENT<br>SULPHUR | PER CENT | PER CENT |
|--------------------|----------------------|------------------------|------------------------|------------------|-----------------------|------------------|------------------|---------------------|----------|----------|
| U. S. S. Co. First | 1.43                 | 83.2                   |                        | 9.3              | 72.7                  | 5.1              |                  | .3                  |          |          |
| Second             | 1.41                 | 84.1                   |                        | 9.3              |                       |                  |                  |                     |          |          |
| First              | 1.44                 | 84.4                   |                        | 10.4             | 72.4                  | 5.5              |                  | .6                  |          |          |
| Second             | 1.425                | 85.5                   |                        | 9.8              |                       |                  |                  |                     |          |          |
| First              |                      | 84.68                  |                        |                  |                       |                  |                  |                     |          |          |
| Second             |                      | 84.40                  |                        |                  |                       |                  |                  |                     |          |          |
| Settlement Assay   | 1.4285               | 84.40                  |                        | 9.8              | 72.55                 | 5.3              |                  | .45                 |          |          |

| CAR NOS.                    | WET WEIGHT | METAL VALUES        |    |    |  | WORKING CHARGE     |    |    |  |
|-----------------------------|------------|---------------------|----|----|--|--------------------|----|----|--|
| U.P. 62041                  |            | Gold                | 27 | 10 |  | Treatment          | 5  | 02 |  |
|                             |            | Silver              | 55 | 32 |  | Insoluble          | 7  | 26 |  |
|                             |            | Copper              |    |    |  | Zinc               |    |    |  |
|                             |            | Lead                | 12 | 57 |  | Sulphur            |    |    |  |
|                             |            |                     |    |    |  | Speiss             |    |    |  |
|                             |            |                     |    |    |  |                    |    |    |  |
|                             |            |                     |    |    |  |                    |    |    |  |
| Total Wet Weight            |            |                     |    |    |  |                    |    |    |  |
| Sacks                       |            |                     |    |    |  |                    |    |    |  |
| Net Weight                  | 77660      |                     |    |    |  | Total Debit        | 12 | 28 |  |
| Less H <sub>2</sub> O 2.3 % | 1786       | Gross Value         | 94 | 99 |  | Iron               |    | 32 |  |
|                             |            | Less Working Charge | 11 | 96 |  | Net Working Charge | 11 | 96 |  |

Dry Weight, lbs. 75874

Payment for 37.937

tons @

83.03

per ton

3149 91

A charge of Five Dollars made for sampling on all lots of ore containing less than ten tons, dry weight. Rates subject to change without notice when not under contract or for specified tonnage.

Freight advanced @ 7.80

per ton

312.00

40.0 min

Assay Charges

9.00

Sampling Charges

1/2

34.91

Umps.

5.00

Watching

7.50

Freight c/n Lot 2

1.14

367 27

Checked by

Approved by

Net Payment

2782 64



Con. Serial 69668-

## ASSAY CERTIFICATE

## UNION ASSAY OFFICE, INC.

M. S. HANAUER, PRES.

J. V. SADLER, V.-PRES. &amp; TREAS.

A. C. SELBY, SEC'Y

SALT LAKE CITY, UTAH.

Mine West End Consolidated

December 4, 1924

## RESULTS PER TON OF 2000 POUNDS.

| LOT | CLASS                      | GOLD<br>Ozs. per Ton | SILVER<br>Ozs. per Ton | LEAD<br>Per Cent. | COPPER<br>Per Cent.<br>Wet | INSOL.<br>Per Cent. | ZINC<br>Per Cent. | SULPHUR<br>Per Cent. | SPEISS<br>Per Cent. | IRON<br>Per Cent. | LIME<br>Per Cent. | MANGANESE<br>Per Cent. | Per Cent. |
|-----|----------------------------|----------------------|------------------------|-------------------|----------------------------|---------------------|-------------------|----------------------|---------------------|-------------------|-------------------|------------------------|-----------|
|     |                            | <u>Gold deducted</u> |                        |                   |                            |                     |                   |                      |                     |                   |                   |                        |           |
|     | 3-2nd Sample-Original pulp |                      | 84.4                   |                   |                            |                     |                   |                      |                     |                   |                   |                        |           |

Remarks

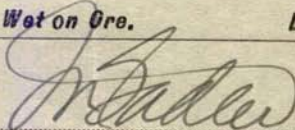
Lead reported as:

Fire Assay.

Wet on Button.

Wet on Ore.

Less Copper

Sampled by UOSCo.Charges \$ 3.00


ST TEMPLE ST.

## CERTIFICATE OF ASSAY

TELEPHONE WAS. 1214

BLACK &amp; DEASON

ASSAYERS AND CHEMISTS

NAME West End Con.

SALT LAKE CITY, UTAH, Dec, 2nd, 1924

LOT NO. 3 Original

SAMPLED BY U.O.S.

2nd Sampling

ASSAY PER TON OF 2,000 POUNDS

| GOLD—Ozs.     | SILVER—Ozs.  | LEAD—%      | COPPER—% | SPEISS—% | SILICA—%    |
|---------------|--------------|-------------|----------|----------|-------------|
| 1.41<br>1.425 | 84.1<br>85.5 | 9.3<br>10.3 |          |          |             |
| INSOLUBLE—%   | ZINC —%      | SULPHUR—%   | IRON—%   | LIME—%   | MANGANESE—% |
|               |              |             |          |          |             |

CHARGE, \$ \_\_\_\_\_

Black &amp; Deason

ASSAYERS



## UTAH ORE SAMPLING COMPANY

MURRAY PLANT

Second Sampling

WEIGHT AND MOISTURE CERTIFICATE

Lot **3 West End Cons. Mng Co.** Ore

Class

| INTO CAR                               | GROSS  | TARE  | NET   | FROM CAR |  |
|--|--------|-------|-------|----------|--|
| UP 63606                               | 123860 | 46200 | 77660 | UP 62041 |  |
| Received Nov. 29, sampled Dec. 1, 1924 |        |       |       |          |  |
|  |        |       |       |          |  |

Total Wet Weight lbs.  
 \_\_\_\_\_ Sacks lbs.

Net Weight of Ore, 77660 lbs.

Moisture **2.3** % 1786 lbs.

Dry Weight of Ore, 75874 lbs.

Salt Lake City, Utah

Dec. 2, 1924

Sampling 34.95

UTAH ORE SAMPLING COMPANY

Per \_\_\_\_\_

WEST TEMPLE ST.

## CERTIFICATE OF ASSAY

TELEPHONE WAS. 1214

## BLACK &amp; DEASON

ASSAYERS AND CHEMISTSNAME West End Con.SALT LAKE CITY, UTAH, Dec. 2nd, 1924LOT NO. 3 OriginalSAMPLED BY U.O.S.1st Sampling

ASSAY PER TON OF 2,000 POUNDS

| GOLD—Ozs.   | SILVER—Ozs. | LEAD—%    | COPPER—% | SPEISS—% | SILICA—%    |
|-------------|-------------|-----------|----------|----------|-------------|
| 1.43        | 83.2        | 92        |          |          |             |
| 1.44        | 84.4        | 10.4      |          |          |             |
| INSOLUBLE—% | ZINC—%      | SULPHUR—% | IRON—%   | LIME—%   | MANGANESE—% |
| 72.7        | 0           | 03        | 5.7      |          |             |
| 72.4        | 0.3         | 0.6       | 5.5      |          |             |

CHARGE, \$ \_\_\_\_\_

Black & Deason

ASSAYERS



CERTIFICATE OF ASSAY  
CUSTOM ASSAY OFFICE AND CHEMICAL LABORATORY OF

C. S. COWAN

160 S. WEST TEMPLE ST.

MARKED West End Con. CLASS \_\_\_\_\_

LOT 3 Orig LBS. \_\_\_\_\_ SAMPLED BY U.O.S.Co

RESULTS PER TON OF 2,000 POUNDS

| OZS. GOLD           | OZS. SILVER     | Per cent LEAD* | Per cent COPPER  |  |  |
|---------------------|-----------------|----------------|------------------|--|--|
|                     | 86.06           | 9.80           |                  |  |  |
| (Gold not deducted) |                 |                |                  |  |  |
| Per cent IRON       | Per cent SILICA | Per cent ZINC  | Per cent SULPHUR |  |  |
|                     |                 |                |                  |  |  |

STRAIGHT FIRE

WET ON FIRE

COPPER OUT

WET ON CRK

UMPIRE

SALT LAKE CITY, UTAH Dec 4th, 24

Charges, \$ 7.

By *C.S. Cowan*

ST. TEMPLE ST.

# CERTIFICATE OF ASSAY

TELEPHONE WAS. 1214

## BLACK & DEASON

ASSAYERS AND CHEMISTS

NAME **West End Con.**

SALT LAKE CITY, UTAH, **Dec. 2nd, 1924**

LOT NO. **3 Original**

SAMPLED BY **U.O.S.**

**1st Sampling**

ASSAY PER TON OF 2,000 POUNDS

| GOLD—OZS.   | SILVER—OZS. | LEAD—%      | COPPER—%   | SPEISS—% | SILICA—%    |
|-------------|-------------|-------------|------------|----------|-------------|
| <b>1.44</b> | <b>84.4</b> | <b>10.4</b> |            |          |             |
| INSOLUBLE—% | ZINC—%      | SULPHUR—%   | IRON—%     | LIME—%   | MANGANESE—% |
| <b>72.4</b> | <b>0.3</b>  | <b>0.6</b>  | <b>5.5</b> |          |             |

CHARGE, \$ \_\_\_\_\_

*Black & Deason*

ASSAYERS



ST. TEMPLE ST.

## CERTIFICATE OF ASSAY

TELEPHONE WAS. 1214

BLACK &amp; DEASON

ASSAYERS AND CHEMISTSNAME **West End Con.**SALT LAKE CITY, UTAH, **Dec, 2nd, 1924**LOT NO. **3 Original**SAMPLED BY **U.O.S.****2nd Sampling**

ASSAY PER TON OF 2,000 POUNDS

| GOLD—Ozs.    | SILVER—Ozs. | LEAD—%      | COPPER—% | SPEISS—% | SILICA—%    |
|--------------|-------------|-------------|----------|----------|-------------|
| <b>1.425</b> | <b>85.5</b> | <b>10.3</b> |          |          |             |
| INSOLUBLE—%  | ZINC—%      | SULPHUR—%   | IRON—%   | LIME—%   | MANGANESE—% |
|              |             |             |          |          |             |

CHARGE, \$ \_\_\_\_\_

*Black & Deason*

ASSAYERS

## UTAH ORE SAMPLING COMPANY

MURRAY PLANT

First Sampling

WEIGHT AND MOISTURE CERTIFICATE

Lot 3 West End Cons Mng Co.

Ore

Class

| INTO CAR                               | GROSS  | TARE  | NET   | FROM CAR |  |
|--|--------|-------|-------|----------|--|
| UP 62041                               | 124040 | 46560 | 77480 | UP 12197 |  |
| Received Nov. 29, sampled Dec. 1, 1924 |        |       |       |          |  |
|  |        |       |       |          |  |

Total Wet Weight lbs.

Sacks lbs.

Net Weight of Ore, 77480 lbs.

Moisture 2.07% 1604 lbs.

Dry Weight of Ore, 75876 lbs.

Salt Lake City, Utah Dec. 2, 1924

Sampling 34.87

UTAH ORE SAMPLING COMPANY

Per



# UTAH ORE SAMPLING COMPANY

## MURRAY PLANT

Second Sampling

WEIGHT AND MOISTURE CERTIFICATE

Lot 3 West End Cons. Mng Co. Ore

Class

| INTO CAR                               | GROSS  | TARE  | NET   | FROM CAR |  |
|--|--------|-------|-------|----------|--|
| UP 63606                               | 123860 | 46200 | 77660 | UP 62041 |  |
| Received Nov. 29, sampled Dec. 1, 1924 |        |       |       |          |  |
|  |        |       |       |          |  |

Total Wet Weight lbs.

Sacks lbs.

Net Weight of Ore, 77660 lbs. ✓

Moisture 2.3 % 1786 lbs. ✓

Dry Weight of Ore, 75874 lbs. ✓

Salt Lake City, Utah Dec. 2, 1924

Sampling 34.95

UTAH ORE SAMPLING COMPANY

Per \_\_\_\_\_

# WEIGHT AND MOISTURE CERTIFICATE

Lot No. 3 ends, Original

Murray Dec 2 1924

SHIPPER West End Con

SAMPLED BY Zitah Ore Sampling Co

| Received |    | Sampled |   | FROM CARS |         | LOADED IN CARS |         | Moisture | Gross Weight |   |   |   | Tare |   | Net Weight |   |   |   |   |
|----------|----|---------|---|-----------|---------|----------------|---------|----------|--------------|---|---|---|------|---|------------|---|---|---|---|
|          |    |         |   | Initials  | Numbers | Initials       | Numbers |          |              |   |   |   |      |   |            |   |   |   |   |
| 11       | 29 | 12      | 1 | H.P.      | 12197   | HP             | 62041   | 2.07     | 1            | 2 | 4 | 0 | 4    | 0 | 4          | 6 | 5 | 6 | 0 |
|          |    |         |   |           |         |                |         |          |              |   |   |   |      |   |            |   |   |   |   |
|          |    |         |   |           |         |                |         |          |              |   |   |   |      |   |            |   |   |   |   |
|          |    |         |   |           |         |                |         |          |              |   |   |   |      |   |            |   |   |   |   |
|          |    |         |   |           |         |                |         |          |              |   |   |   |      |   |            |   |   |   |   |
|          |    |         |   |           |         |                |         |          |              |   |   |   |      |   |            |   |   |   |   |
|          |    |         |   |           |         |                |         |          |              |   |   |   |      |   |            |   |   |   |   |
|          |    |         |   |           |         |                |         |          |              |   |   |   |      |   |            |   |   |   |   |
|          |    |         |   |           |         |                |         |          |              |   |   |   |      |   |            |   |   |   |   |
|          |    |         |   |           |         |                |         |          |              |   |   |   |      |   |            |   |   |   |   |

Cars and Contents O. K. When Received Unless Noted Otherwise

## SACKS

No. Weight Condition

|  |  |  |
|--|--|--|
|  |  |  |
|--|--|--|

Total Net Weight

Moisture 2.07 Per Cent

Total Net Dry Weight

77480 ✓  
1.604  
75876

Weather \_\_\_\_\_

Remarks:

S. J. Stauffer



Sampler Lot 290

# UTAH ORE SAMPLING COMPANY

MURRAY PLANT

First Sampling

WEIGHT AND MOISTURE CERTIFICATE

Lot 3 West End Cons Mng Co.

Ore

Class

| INTO CAR                               | GROSS  | TARE  | NET   | FROM CAR |  |
|--|--------|-------|-------|----------|--|
| UP 62041                               | 124040 | 46560 | 77480 | UP 12197 |  |
| Received Nov. 29, sampled Dec. 1, 1924 |        |       |       |          |  |
|  |        |       |       |          |  |

Total Wet Weight lbs.

Sacks lbs.

Net Weight of Ore, 77480 ✓ lbs.

Moisture 2.07 % 1604 ✓ lbs.

Dry Weight of Ore, 75876 ✓ lbs.

Salt Lake City, Utah Dec. 2, 1924

Sampling 34.87

UTAH ORE SAMPLING COMPANY

Per

# WEIGHT AND MOISTURE CERTIFICATE

Lot No. 3 in Re Sample

Murray Dec 2 1924

SHIPPER West End Con

SAMPLED BY Utah Ore Sampling Co

| Received |    | Sampled |   | FROM CARS |         | LOADED IN CARS |         | Moisture | Gross Weight |   |   | Tare | Net Weight |   |     |       |
|----------|----|---------|---|-----------|---------|----------------|---------|----------|--------------|---|---|------|------------|---|-----|-------|
|          |    |         |   | Initials  | Numbers | Initials       | Numbers |          |              |   |   |      |            |   |     |       |
| 11       | 29 | 12      | 1 | HP        | 62041   | HP             | 63606   | 2.3      | 1            | 2 | 3 | 860  | 4          | 6 | 206 | 77660 |
|          |    |         |   |           |         |                |         |          |              |   |   |      |            |   |     |       |
|          |    |         |   |           |         |                |         |          |              |   |   |      |            |   |     |       |
|          |    |         |   |           |         |                |         |          |              |   |   |      |            |   |     |       |
|          |    |         |   |           |         |                |         |          |              |   |   |      |            |   |     |       |
|          |    |         |   |           |         |                |         |          |              |   |   |      |            |   |     |       |
|          |    |         |   |           |         |                |         |          |              |   |   |      |            |   |     |       |
|          |    |         |   |           |         |                |         |          |              |   |   |      |            |   |     |       |
|          |    |         |   |           |         |                |         |          |              |   |   |      |            |   |     |       |
|          |    |         |   |           |         |                |         |          |              |   |   |      |            |   |     |       |

Cars and Contents O. K. When Received Unless Noted Otherwise

## SACKS

No. Weight Condition

|  |  |  |
|--|--|--|
|  |  |  |
|--|--|--|

Total Net Weight

Moisture 23 Per Cent

Total Net Dry Weight

77660V  
1786  
75874

Weather \_\_\_\_\_

Remarks:

S. J. Stauffer



# WEST END CONSOLIDATED MINING COMPANY

## DAILY ASSAY REPORT

ORE CONTROL,

TONOPAH, NEVADA, Dec. 6-24

192

WEST END -UTAH ORE SAMPLING CO.

| SAMPLE<br>NUMBER | WORKING PLACE              | GOLD   |       | SILVER |       | TOTAL<br>VALUE | REMARKS |
|------------------|----------------------------|--------|-------|--------|-------|----------------|---------|
|                  |                            | OUNCES | VALUE | OUNCES | VALUE |                |         |
| 3/290            | 1 st. sampling.<br>12-1-24 | 1.34   |       | 8235   |       |                | Pb 9.1  |
| 3/291            | 2 nd Sampling<br>12-1-24   | 1.34   |       | 83.25  |       |                | " 9.2   |

J. F. M. ASSAYER

UNITED STATES SMELTING, REFINING AND MINING COMPANY  
MIDVALE SMELTER AND MILLS

DOWNIE D. MUIR, JR., GENERAL MANAGER  
W. H. EARDLEY, ASSISTANT MANAGER  
G. E. FORRESTER, DEPUTY TREAS.  
M. W. WOOLLEY, ORE BUYER

SALT LAKE CITY, UTAH

December 1, 1924.

West End Consolidated Mng. Co.  
Tonopah, Nevada

Gentlemen:

Your letters of November 26th and 28th relative to the shipment of Car U. P. 12197 from the Mabel Mine have been received. The car was received at the sampler Saturday and is being sampled today.

Thanking you for the shipment and assuring you it will receive prompt attention, we remain,

Very truly yours,

*M. W. Woolley*

MWW/n



# WEST END CONSOLIDATED MINING COMPANY

## DAILY ASSAY REPORT

ORE CONTROL,

TONOPAH, NEVADA, Dec. 6-24

192

WEST END -UTAH ORE SAMPLING CO.

| SAMPLE<br>NUMBER | WORKING PLACE              | GOLD   |       | SILVER |       | TOTAL<br>VALUE | REMARKS |
|------------------|----------------------------|--------|-------|--------|-------|----------------|---------|
|                  |                            | OUNCES | VALUE | OUNCES | VALUE |                |         |
| 3/20             | 1 st. sampling.<br>12-1-24 | 1.34   |       | 8235   |       |                | Pb 9.1  |
| 3/21             | 2 nd Sampling<br>12-1-24   | 1.34   |       | 83.25  |       |                | " 9.2   |

J. P. M.

ASSAYER

# WEST END CONSOLIDATED MINING COMPANY

## DAILY ASSAY REPORT

ORE CONTROL.

TONOPAH, NEVADA, Dec. 6-24 192

WEST END -UTAH ORE SAMPLING CO.

| SAMPLE<br>NUMBER | WORKING PLACE              | GOLD   |       | SILVER |       | TOTAL<br>VALUE | REMARKS |
|------------------|----------------------------|--------|-------|--------|-------|----------------|---------|
|                  |                            | OUNCES | VALUE | OUNCES | VALUE |                |         |
| 3/20             | 1 st. sampling.<br>12-1-24 | 1.34   |       | 8235   |       |                | Pb 9.1  |
| 3/21             | 2 nd Sampling<br>12-1-24   | 1.34   |       | 83.25  |       |                | " 9.2   |
|                  | Settled on                 | 1.426  |       | 8440   |       |                | at 9.8  |

J. P. M. ASSAYER



Gold 1.27

Silver 102-89

Lead 9.5%

Maple Lot No. 32

Nov. 26, 1924

Messrs. Black & Deason,  
165 - South West Temple St.,  
Salt Lake City, Utah.

Gentlemen:-

*On December 29th*  
As advised by wire, we have shipped  
to the U. S. Smelting, Refining & Mining Co. at  
their Midvale plant carload of ore from our Mabel  
Mine in car U. P. 12197. *T. & M. O. 28934*

This ore is to be sampled twice at  
the plant of the Utah Ore Sampling Co., and crush-  
ed to pass one inch mesh.

Will you please watch the sampling  
for us. Kindly secure two sets of pulps from the  
Utah Ore Sampling Co., the originals only to be  
run by you and used for the purpose of settlement  
with the U. S. Smelting, Refining & Mining Co.,  
and the duplicates please send to us for the pur-  
pose of check in our own assay office.

Average of the two samplings is to  
be used in making settlement.

Yours very truly,

Chief Clerk.

OF:FA



Nov. 26, 1924.

U. S. Smelting, Refining & Mining Co.,  
912 - Newhouse Building,  
Salt Lake City, Utah.

Gentlemen:-

*Enclosed is bill of lading covering shipment  
December 29th*

~~We have shipped~~ on November 24th to  
your Midvale plant from our Mabel Mine at Mina,  
Nevada, a carload of ore in car U. P. 12197. This  
ore is to be sampled in transit at the plant of  
the Utah Ore Sampling Co., and is to be crushed  
to pass one inch mesh.

*T. & N. O 38934*

Black & Deason of Salt Lake City  
will watch the sampling of this ore for us. Will  
you please have the Utah Ore Sampling Co. deliver  
two sets of pulps to Black & Deason. They will  
run the original pulps from each sampling for us  
to be used in making settlement. The duplicate  
pulps from each sampling are to be sent to us for  
the purpose of check in our own assay office.

When making settlement, please send  
four copies of settlement sheets. *Please send settlement as  
promptly as possible as our year closes December 31st and it will be necessary for us*

Bill of Lading will follow in the  
course of the next few days.

Yours very truly,

*to keep our books open  
until returns from this  
carload are received*

Chief Clerk.

OF\*FA

October 23rd. 1924.

Messrs. Black & Deason,  
165 - S. W. Temple St.,  
Salt Lake City, Utah.

Gentlemen:-

We have shipped to the U. S. Smelting, Refining & Mining Co., at their Midvale plant, carload of ore from our Mabel Mine in car S. P. 18189.

This ore is to be sampled twice at the plant of the Utah Ore Sampling Co., and crushed to pass one inch mesh.

Will you please watch this sampling for us the same as heretofore. Kindly secure two sets of pulps from the Utah Ore Sampling Co., the originals to be run by you and used for the purpose of settlement with the U. S. Smelting, Refining & Mining Co., and the duplicates please send to us for the purpose of check in our own assay office.

Average of the two samplings is to be used in making settlement.

Yours very truly,

Chief Clerk.



October 23rd, 1924.

Utah Ore Sampling Co.,  
819-20 Newhouse Bldg.,  
Salt Lake City, Utah.

Gentlemen:-

*Car 18189*  
We have shipped on October 21st from our Mabel Mine at Mina, Nevada, carload of ore to the U. S. Smelting, Refining & Mining Co. at their Midvale plant. This ore is to be sampled twice at your plant and crushed to pass one inch mesh.

Our representatives will be Black & Deason, who will watch this sampling for us. Will you please deliver to them two sets of pulps, an original and duplicate from ~~our~~ samplings. Black & Deason are to run the originals for us and will send the duplicates to us for the purpose of check in our own assay office.

Yours very truly,

Chief Clerk.

F\* A

*Dot 32*

Nov. 26, 1924

Utah Ore Sampling Co.,  
819-20 Newhouse Bldg.,  
Salt Lake City, Utah.

Gentlemen:-

*December 29*

We have shipped from our Mabel Mine at Mina, Nevada, on November 24th car U. P. 12197 containing ore to the U. S. Smelting, Refining & Mining Company at their Midvale plant. This ore is to be sampled twice at your plant and crushed to pass one inch mesh.

*T. & N.O. 38934*

Our representatives will be Black & Deason, who will watch this sampling for us. Will you please deliver to them two sets of pulps, an original and duplicate from both samplings. Black & Deason are to run the originals for us and will send the duplicates to us here for the purpose of check in our own assay office.

Yours very truly,

Chief Clerk.

OF\*FA



Oct. 23rd, 1924.

U. S. Smelting, Refining & Mining Co.,  
912 - Newhouse Bldg.,  
Salt Lake City, Utah.

Gentlemen:-

Enclosed is Bill of Lading covering shipment to your Midvale plant on October 21st from our Mabel Mine at Mina, Nevada, of carload of ore in car S.P.18189. We have wired the S. P. Co. at Reno to have this ore sampled in transit at the plant of the Utah Ore Sampling Co.

This ore is to be handled in accordance with correspondence from your office to Mr. J. W. Sherwin, our General Manager. We understand that this ore is to be sampled twice at the Utah Ore Sampling Co., and is to be crushed to pass one inch mesh.

Black & Deason of Salt Lake City will watch sampling of this ore for us. Will you please have the Utah Ore Sampling Co. deliver two sets of pulps to Black & Deason. They will run one for us and have the duplicate shipped to us so that we can run the same in our own assay office for the purpose of check. When making settlement, please send us four copies of settlement sheet.

Yours very truly,

Chief Clerk.

F\* A  
C-JCB  
Encl.

*106,000 lbs.  
7500 estimated value*

22 samples

Can U.P. 12197

11/24/24

U.S. S. Ref + Mining

Midvale

77200



|   |   |
|---|---|
| CLASS OF SERVICE DESIRED  |   |
| Telegram  |   |
| Day Letter  | X |
| Night Message   |   |
| Night Letter  |   |
| Patrons should mark an X opposite the class of service desired: OTHERWISE THE MESSAGE WILL BE TRANSMITTED AS A FULL-RATE TELEGRAM |   |

# WESTERN UNION



# TELEGRAM

NEWCOMB CARLTON, PRESIDENT

GEORGE W. E. ATKINS, FIRST VICE-PRESIDENT

|                |
|----------------|
| Receiver's No. |
| Check          |
| Time Filed     |

Send the following message, subject to the terms  
on back hereof, which are hereby agreed to

Tonopah Nevada.  
Oct. 22nd, 1924.

J. M. Fulton,  
District Freight & Passenger Agent S. P.  
Reno, Nevada.

Car S. P. 18189 out of Mina twenty first ore consigned to U. S.  
Smelting and Refining Company Midvale Utah please arrange have car  
sampled enroute at plant ~~at~~ Utah Ore Sampling Company.

WEST END CONS. MINING CO.

Charge West End.

| CLASS OF SERVICE | SYMBOL |
|------------------|--------|
| TELEGRAM         |        |
| DAY LETTER       | BLUE   |
| NIGHT MESSAGE    | NITE   |
| NIGHT LETTER     | N L    |

If none of these three symbols appears after the check (number of words) this is a telegram. Otherwise its character is indicated by the symbol appearing after the check.

# WESTERN UNION



# TELEGRAM

| CLASS OF SERVICE | SYMBOL |
|------------------|--------|
| TELEGRAM         |        |
| DAY LETTER       | BLUE   |
| NIGHT MESSAGE    | NITE   |
| NIGHT LETTER     | N L    |

If none of these three symbols appears after the check (number of words) this is a telegram. Otherwise its character is indicated by the symbol appearing after the check.

NEWCOMB CARLTON, PRESIDENT

GEORGE W. E. ATKINS, FIRST VICE-PRESIDENT

The filing time as shown in the date line on full-rate telegrams and day letters, and the time of receipt at destination as shown on all messages, is STANDARD TIME.

RECEIVED AT TONOPAH, NEV.

37FR 28

NB SALT LAKE CITY UTAH 356P OCT 30 1924

WEST END CONSOLIDATED MINING CO

36

TONOPAH NEV

OUR AVERAGE FOUR PRELIMINARY ASSAYS ON UTAH ORE SAMPLING AND  
RESAMPLING GOLD ONE POINT TWO SILVER SEVENTY NINE LEAD SIX  
POINT FOUR KINDLY WIRE IF SATISFACTORY. RELEASE CAR

US SMELTING REFINING AND MNG CO


314P



| CLASS OF SERVICE DESIRED |   |
|--------------------------|---|
| Telegram                 |   |
| Day Letter               | X |
| Night Message            |   |
| Night Letter             |   |

Patrons should mark an X opposite the class of service desired: OTHERWISE THE MESSAGE WILL BE TRANSMITTED AS A FULL-RATE TELEGRAM

# WESTERN UNION



# TELEGRAM

NEWCOMB CARLTON, PRESIDENT

GEORGE W. E. ATKINS, FIRST VICE-PRESIDENT

|                |
|----------------|
| Receiver's No. |
| Check          |
| Time Filed     |

Send the following message, subject to the terms  
on back hereof, which are hereby agreed to

Tonopah, Nev.  
Nov. 26, 1924.

Black & Denson,  
165 - South West Temple St.,  
Salt Lake City, Utah.

Shipped twenty-fourth from Mina to U. S. Smelting, Refining & Mining Co.  
for Midvale car U. P. twelve one ninety seven ore from Mabel Mine.  
Please watch sampling for us as heretofore except not necessary running  
control on both original and duplicates from each sampling. original  
control each sampling sufficient send duplicates to ~~MM~~ us here

Charge West End.

West End Consolidated Mining Co.

| CLASS OF SERVICE DESIRED  |                                     |
|---|-------------------------------------|
| Telegram  | <input checked="" type="checkbox"/> |
| Day Letter  | <input type="checkbox"/>            |
| Night Message   | <input type="checkbox"/>            |
| Night Letter  | <input type="checkbox"/>            |
| Patrons should mark an X opposite the class of service desired: OTHERWISE THE MESSAGE WILL BE TRANSMITTED AS A FULL-RATE TELEGRAM |                                     |

# WESTERN UNION TELEGRAM

NEWCOMB CARLTON, PRESIDENT

GEORGE W. E. ATKINS, FIRST VICE-PRESIDENT

|                |
|----------------|
| Receiver's No. |
| Check          |
| Time Filed     |

Send the following message, subject to the terms  
on back hereof, which are hereby agreed to

Tonopah, Nevada,  
Oct. 30th, 1924.

U. S. Smelting, Refining & Mining Co.,

Salt Lake City, Utah.

Your wire release car Mabel ore.

WEST END CONS. MINING CO.

Charge West End



## DAILY ASSAY REPORT

Mabel Ore Control

[illegible]

## DAILY ASSAY REPORT

Tonopah, Nevada, Aug. 19-24 192.....

Mabel Ore Control

[illegible]



# West End Consolidated Mining Company

## DAILY ASSAY REPORT

Tonopah, Nevada, July 23-24 192

MABEL-U. S. S. & B. CO. ORE CONTROL

| Sample<br>Number | WORKING PLACE | GOLD   |       | SILVER |       | TOTAL<br>VALUE | REMARKS   |
|------------------|---------------|--------|-------|--------|-------|----------------|-----------|
|                  |               | Ounces | Value | Ounces | Value |                |           |
| 1/13276          | 6-29-24       | 1.48   |       | 162.20 |       |                | Pb. 9.5 % |
|                  | Car 43313     |        |       |        |       |                |           |

J. P. M.

Assaye



WEST END CONSOLIDATED MINING COMPANY

FINAL ORE SETTLEMENT

TONOPAH, NEVADA, 10-20-24

FOR ACCT. OF WEST END CONSOLIDATED MINING CO.

*Mable Mine*

Mill Lot No. 4138

Shipper's Lot No. 30

ASSAYS:

Gold 40 Ozs. @ \$20.00 8.00

Silver 26.55 Ozs. @ 68375 18.15

Gross Value per Ton 26.15

Less Loss in Milling 10 per cent 2.62

Net Value per Ton 23.53

Wet Weight of ore 26600 lbs.

Less Moisture 25% 665 "

Dry weight of ore 25935 " at 23.53 per ton 305.11

Milling: 12.967 dry tons at 606 78.58

Hauling: wet tons at 78.58

NET RETURNS

226.53

113.26

113.27

50% Due Al Amneth

Provisional Settlement paid by Voucher No.

Balance Due

Smelter Settlement Silver Quotation 68375

Date of Sampling 8-18-24

APPROVED: \_\_\_\_\_

Chief Clerk



June 20, 1924.

U.S.Smelting, Refining & Mining Co.,  
912 Newhouse Building,  
Salt Lake City, Utah.

Gentlemen:-

Enclosed is Bill of Lading covering shipment to your Midvale plant on June 19th, from our Mabel Mina, Mina, Nevada, of carload of ore in car C & N.W. 140022.

Black & Deason of Salt Lake will watch the sampling of this ore for us at your Midvale plant. We have instructed the Railroad Company that this car is to be sampled in transit by the Utah Ore Sampling Company of Salt Lake City. Our representative at Mina neglected to have this notation made on Bill of Lading and we have wired the Railroad Company to arrange this. Believe it would be well for you to watch this also, so that no mistake will be made as we are anxious to have this car handled as outlined in your letter of May 27th.

When making settlement, kindly send us four copies of settlement sheets.

Very truly yours,

CHIEF CLERK

OF:G

June 20, 1924.

Messrs. Black & Deason,  
165 S. West Temple St.,  
Salt Lake City, Utah.

Gentlemen:-

On June 19th we made shipment from our Mabel Mine, Mina, Nevada, of car C & N.W.140022 consigned to the U.S. Smelting, Refining & Mining Company, Midvale, Utah. This car is to be sampled in transit by the Utah Ore Sampling Company and then to be sampled again at the Midvale plant of the U.S. Smelting, Refining & Mining Company. Will you please watch the sampling of this ore for us at the Midvale plant, the same as you have heretofore done at the plant of the International Smelter.

Very truly yours,

CHIEF CLERK

OF:G

83000 lbs. - value 200.00 ton



July 15, 1924.

Messrs. Black & Deason,  
165 S. West Temple St.,  
Salt Lake City, Utah

Gentlemen:-

Replying to your letter of July 2nd, with reference to the sampling of carload of ore from our Mabel Mine, shipped to the U.S.Smelter, Refining & Mining Company.

Our intention in sending this shipment to the U.S.Smelter was that ore was to be sampled at the sampling works of the Utah Ore Sampling Company, whose sampling would govern in making settlement. However, settlement was to be held up until the car was reloaded and resampled at the plant of the U.S.Smelter and we were to have pulps for assaying so as to check the previous sampling. The U.S.Smelter seemed very anxious to get this ore and agreed to allow this sampling on account of the spotted condition of the ore and further agreed that if we were not satisfied with the sampling at the smelter, they would hold the ore so that it could be again resampled. In other words, owing to the wide discrepancy in assays on this ore, we were endeavoring to find a fair method of sampling this ore.

Will you please secure from the U.S. Smelter, pulps from the resampling at the U.S.Smelter plant and they should give you an original and duplicate. Will you please run a control on the original for gold, silver and lead and send the duplicate to us here, as we would like to have this check in our own assay office.

Very truly yours,

OF:G

CHIEF CLERK



## BLACK &amp; DEASON

ASSAYERS AND CHEMISTS

165 SOUTH WEST TEMPLE STREET

SALT LAKE CITY, UTAH. July 2nd, 1924

Otto Falk, Chief Clerk,  
West End Con. Mining Co.  
Tonopah, Nevada.

Dear Sir:-

I guess I should have sent this report on before but I got the impression from yours of June 20th that the U.S. sampling would probably be considered in the settlement and I supposed I would have the U.S. pulp by or before this time but they do not seem to be ready as yet

Now after waiting on them I learn that they have made arrangements with you to have the Utah Ore Sampling Company's sampling only govern the settlements.

Kindly drop us a line if you want us to do any thing additional or handle our part in a different manner.

Thanking you for continued favors, I remain,

Very truly yours,

Wm A Black



## BLACK &amp; DEASON

ASSAYERS AND CHEMISTS

165 SOUTH WEST TEMPLE STREET

SALT LAKE CITY, UTAH. July 17th, 1924

Otto Falk, Chief Clerk,  
West End Con. Mining Co.  
Tonopah, Nevada.

Dear Sir:-

I thought the U.S. would never get through with this last lot of yours. The first sampling, certificate of which I am inclosing, was lower than the Utah Ore Sampling so the U.S. requested us not to use that as they were re-sampling as they were so anxious to get the ore that they wanted to do every thing they could to hold it. Not being able to see any thing to your disadvantage in their request I told them alright. The moocher I employed staid with the sampling until they sent it back to the Utah Ore altho they would not let him have any of the pulps as they told him it was to be settled for on the Utah Ore Sampling.

I have been after them every day or two all the time and while my efforts, like those of the moocher, seemed to be wasted, now that it is over I do not see that I could have done any thing different unless it could have been to have sent the inclosed certificate right on.

The U. S. appear to be ready to go to considerable lengths to get your ore.

Very truly yours,

Wm A Black

WM. A. BLACK, PRESIDENT

N. C. BLACK, VICE-PRESIDENT

B. W. DEASON, SEC'Y AND TREAS.

## BLACK & DEASON

ASSAYERS AND CHEMISTS

165 SOUTH WEST TEMPLE STREET

SALT LAKE CITY, UTAH. July 19th, 1924

Mr. O. Falk, Chief Clerk,  
West End Con. Mining Co.  
Tonopah, Nevada.

Dear Sir:-

We are inclosing our assay on U.S. sample on West End Con. lot 1 called for by you in yours of July 15th. We are also mailing pulp together with Santa Rosa pulp on lot 410. The U.S. sampled West End again but as I understand did not materially change their results. Trusting that this may prove satisfactory to you. I remain,

Very truly yours,

Wm A Black



165 S. WEST TEMPLE ST.

## CERTIFICATE OF ASSAY

TELEPHONE WAS. 1214

## BLACK &amp; DEASON

ASSAYERS AND CHEMISTS

SALT LAKE CITY, UTAH, June 28th, 1924

NAME West End Con.

LOT NO. 1 Duplicate

SAMPLED BY U.O.S.

ASSAY PER TON OF 2,000 POUNDS

| GOLD—Ozs.     | SILVER—Ozs.    | LEAD—%    | COPPER—% | SPEISS—% | SILICA—%    |
|---------------|----------------|-----------|----------|----------|-------------|
| 1.725<br>1.71 | 174.3<br>174.9 |           |          |          |             |
| INSOLUBLE—%   | ZINC—%         | SULPHUR—% | IRON—%   | LIME—%   | MANGANESE—% |
|               |                |           |          |          |             |

CHARGE, \$

Black & Deason ASSAYERS

165 S. WEST TEMPLE ST.

## CERTIFICATE OF ASSAY

TELEPHONE WAS. 1214

## BLACK &amp; DEASON

ASSAYERS AND CHEMISTS

SALT LAKE CITY, UTAH, June 28th, 1924

NAME West End Con.

LOT NO. 1 Duplicate

SAMPLED BY U.O.S.

ASSAY PER TON OF 2,000 POUNDS

| GOLD—Ozs.   | SILVER—Ozs. | LEAD—%    | COPPER—% | SPEISS—% | SILICA—%    |
|-------------|-------------|-----------|----------|----------|-------------|
| 1.71        | 174.9       |           |          |          |             |
| INSOLUBLE—% | ZINC—%      | SULPHUR—% | IRON—%   | LIME—%   | MANGANESE—% |
|             |             |           |          |          |             |

CHARGE, \$

*Black & Deason* ASSAYERS



165 S. WEST TEMPLE ST.

CERTIFICATE OF ASSAY

TELEPHONE WAS. 1214

BLACK & DEASON

ASSAYERS AND CHEMISTS

NAME **West End Con.**

SALT LAKE CITY, UTAH, **June 28th, 1924**

LOT NO. **1 Original**

SAMPLED BY **U.O.S.**

ASSAY PER TON OF 2,000 POUNDS

| GOLD—Ozs.   | SILVER—Ozs.  | LEAD—%                      | COPPER—%   | SPEISS—% | SILICA—%    |
|-------------|--------------|-----------------------------|------------|----------|-------------|
| <b>1.75</b> | <b>175.4</b> | <b>W O B</b><br><b>10.7</b> |            |          |             |
| INSOLUBLE—% | ZINC—%       | SULPHUR—%                   | IRON—%     | LIME—%   | MANGANESE—% |
| <b>67.2</b> | <b>None</b>  | <b>0.7</b>                  | <b>7.2</b> |          |             |

CHARGE, \$

*Black & Deason*

ASSAYERS

Sampler Lot 9474

# UTAH ORE SAMPLING COMPANY

MURRAY PLANT

## WEIGHT AND MOISTURE CERTIFICATE

Lot 1 West End Cons. Mining Co Ore Mabel Mine

Class

| INTO CAR | GROSS                               | TARE  | NET   | FROM CAR   |  |
|----------|-------------------------------------|-------|-------|------------|--|
| RG 43313 | 122700                              | 41180 | 81520 | CNW 140022 |  |
|          | Received and sampled June 26, 1924. |       |       |            |  |
|          |                                     |       |       |            |  |

Total Wet Weight \_\_\_\_\_ lbs.  
 \_\_\_\_\_ Sacks \_\_\_\_\_ lbs.

Net Weight of Ore, 81520 lbs.

Moisture 1.2 % 978 ✓ lbs.

Dry Weight of Ore, 80542 ✓ lbs.

Salt Lake City, Utah June 27, 1924.

Sampling \$ 36.68

UTAH ORE SAMPLING COMPANY

Per \_\_\_\_\_



Lot No. 1 *cr*

Murray June 30 1924

SHIPPER West End Cor

SAMPLED BY *Z/S. Sneller Midvale*

**Cars and Contents O. K. When Received Unless Noted Otherwise**

| SACKS |        |           |
|-------|--------|-----------|
| No.   | Weight | Condition |
|       |        |           |

Total Net Weight

81480

Moisture 1.8

18

Per Cent

1467

### Total Net Dry Weight

80013

Weather fair

Remarks:

J. Stauffer

Sampler Lot

9474

# UTAH ORE SAMPLING COMPANY

MURRAY PLANT

## WEIGHT AND MOISTURE CERTIFICATE

Lot **1** **West End Cons. Mining Co.** Ore **Mabel Mine**

Class

| INTO CAR                            | GROSS  | TARE  | NET   | FROM CAR   |  |
|-------------------------------------|--------|-------|-------|------------|--|
| RG 43313                            | 122700 | 41180 | 81520 | CNW 140022 |  |
| Received and sampled June 26, 1924. |        |       |       |            |  |
|                                     |        |       |       |            |  |
|                                     |        |       |       |            |  |

Total Wet Weight \_\_\_\_\_ lbs.

Sacks \_\_\_\_\_ lbs.

Sampling

\$ 36.68

Net Weight of Ore, **81520** lbs.

Moisture **1.2** % **978** lbs.

Dry Weight of Ore, **80542** lbs.

Salt Lake City, Utah

June 27, 1924.

UTAH ORE SAMPLING COMPANY

Per \_\_\_\_\_



Sampler Lot

9474

# UTAH ORE SAMPLING COMPANY

MURRAY PLANT

## WEIGHT AND MOISTURE CERTIFICATE

Lot **1 West End Cons. Mining Co Ore** **Mabel Mine**

Class

| INTO CAR                            | GROSS  | TARE  | NET   | FROM CAR   |  |
|-------------------------------------|--------|-------|-------|------------|--|
| RG 43313                            | 122700 | 41180 | 81520 | CNW 140022 |  |
| Received and sampled June 26, 1924. |        |       |       |            |  |
|                                     |        |       |       |            |  |

Total Wet Weight lbs.  
 Sacks lbs.

Sampling \$ 36.68

Net Weight of Ore, 81520 lbs.

Moisture **1.2** % 978 lbs.

Dry Weight of Ore, 80542 lbs.

Salt Lake City, Utah

June 27, 1924.

UTAH ORE SAMPLING COMPANY

Per 

| CLASS OF SERVICE DESIRED |          |
|--------------------------|----------|
| Telegram                 |          |
| Day Letter               |          |
| Night Message            | <b>X</b> |
| Night Letter             |          |

Patrons should mark an X opposite the class of service desired; OTHERWISE THE MESSAGE WILL BE TRANSMITTED AS A FULL-RATE TELEGRAM

# WESTERN UNION TELEGRAM

NEWCOMB CARLTON, PRESIDENT

GEORGE W. E. ATKINS, FIRST VICE-PRESIDENT

|                |
|----------------|
| Receiver's No. |
| Check          |
| Time Filled    |

Send the following message, subject to the terms  
on back hereof, which are hereby agreed to

TONOPAH, NEVADA

JUNE 25, 1924

UTAH ORE SAMPLING CO.,  
SALT LAKE CITY, UTAH

*United States*  
CAR C&NW ONE FORTY NAUGHT TWENTY TWO CONSIGNED TO **X** SMELTER IS TO  
BE SAMPLED IN TRANSIT YOUR PLANT PLEASE SEND ONE PULP TO BLACK AND  
DEASON ASSAYERS SALT LAKE FOR OUR ACCOUNT ONE PULP TO US HERE AND  
ONE TO SMELTING COMPANY

WEST END CONS. MINING CO.

CHARGE: WEST END



| CLASS OF SERVICE DESIRED |                                     |
|--------------------------|-------------------------------------|
| Telegram                 |                                     |
| Day Letter               | <input checked="" type="checkbox"/> |
| Night Message            |                                     |
| Night Letter             |                                     |

Patrons should mark an X opposite the class of service desired; OTHERWISE THE MESSAGE WILL BE TRANSMITTED AS A FULL-RATE TELEGRAM

# WESTERN UNION TELEGRAM

NEWCOMB CARLTON, PRESIDENT

GEORGE W. E. ATKINS, FIRST VICE-PRESIDENT

|                |
|----------------|
| Receiver's No. |
| Check          |
| Time Filled    |

Send the following message, subject to the terms  
on back hereof, which are hereby agreed to

TONOPAH, NEVADA

JUNE 25, 1924

BLACK & DEASON,  
165 SOUTH WEST TEMPLE ST.,  
SALT LAKECITY, UTAH

OUR LETTER TWENTIETH HAVE INSTRUCTED UTAH ORE SAMPLING COMPANY  
TO DELIVER ONE PULP TO YOU THIS IN ADDITION TO REGULAR SAMPLING  
AT MIDVALE PLANT

WEST END CONS. MINING CO.

CHARGE: WEST END

# West End Consolidated Mining Company

## DAILY ASSAY REPORT

Tonopah, Nevada, July 3-24 192.....

Mabel Ore Control.

| Sample<br>Number | WORKING PLACE | GOLD   |       | SILVER |       | TOTAL<br>VALUE | REMARKS   |
|------------------|---------------|--------|-------|--------|-------|----------------|-----------|
|                  |               | Ounces | Value | Ounces | Value |                |           |
| 1/474            | Original      | 1.74   |       | 172.80 |       |                | Pb 11.0 % |
| 1/474            | Duplicate.    | 1.70   |       | 173.20 |       |                | PB 11.5 % |

J. P. M.

Assayer



165 S. WEST TEMPLE ST.

# CERTIFICATE OF ASSAY

TELEPHONE WAS. 1214

## BLACK & DEASON

ASSAYERS AND CHEMISTS

NAME West End Con.

SALT LAKE CITY, UTAH, June 28th, 1924

LOT NO. 1 Original

SAMPLED BY U.O.S.

ASSAY PER TON OF 2,000 POUNDS

| GOLD—Ozs.    | SILVER—Ozs.    | LEAD—%            | COPPER—%   | SPEISS—% | SILICA—%    |
|--------------|----------------|-------------------|------------|----------|-------------|
| 1.76<br>1.75 | 174.8<br>175.4 | W O B<br>10.7 102 |            |          |             |
| INSOLUBLE—%  | ZINC—%         | SULPHUR—%         | IRON—%     | LIME—%   | MANGANESE—% |
| 68.2<br>67.2 | 02<br>None     | 06<br>0.7         | 7.4<br>7.2 |          |             |

CHARGE, \$

Black & Deason ASSAYERS

# UTAH ORE SAMPLING COMPANY

SAMPLING MILLS AT MURRAY AND SILVER CITY, UTAH

819-820 NEWHOUSE BLDG.

## SALT LAKE CITY, UTAH.

June 27, 1924.

West End Consolidated Mining Co.,  
Tonopah, Nevada.

Gentlemen:

Your telegram of the 25th inst requesting us to sample car C&NW 140022 received.

The car was delivered to our Sampler at Murray yesterday and we sampled it the same day. The sampled ore was loaded into car D&RG 43313 and the weights are as follows:

|       |        |
|-------|--------|
| Gross | 122700 |
| Tare  | 41180  |
| Net   | 81520  |

Our regular weight and moisture certificate will follow tomorrow. The moisture sample is not yet dry so we cannot complete the certificate now.

We were advised that this ore from the Mabel Mine is very "spotty" in its values and as a consequence sampling results have not checked well in some previous cases. On account of this we thought it advisable to give it special handling to better insure correct results. We crushed it all to less than 1" size and made original and duplicate sets of pulps as a check on the sample room work. O. & D. pulps are being sent in accordance with your instructions today and we hope results of assays will be satisfactory.

Our charge for ordinary sampling is 60¢ per ton for crude ores in bulk. This contemplates crushing to about  $2\frac{1}{4}$ ". When 1" crushing is done and O. & D. pulps made our charge is 90¢ per ton. We had no instructions to crush to 1" etc. but thought it the thing to do under the circumstances. We want you to be satisfied and if our action is not sanctioned we will reduce the charge to 60¢.



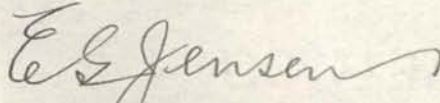
W. E. C. M. Co.,  
Tonopah, Nev.  
June 27, 1924  
Page 2

In some extreme cases even finer crushing than 1" is necessary for good results but from the fact that you made no mention of your ore being of such character the 1" crush should suffice.

We thank you for this business and wish to assure you that we gave it our best attention with a view of determining accurately the metal content, moisture and weight.

Yours very truly,

EGJ-1

  
General Manager.



SYNDICATE BUILDING  
OAKLAND, CALIFORNIA

June 3, 1924.

West End Consolidated Mining Co.,  
Tonopah, Nevada.

Gentlemen:

Referring to the enclosed letter from the United States Smelting, Refining & Mining Company: I suggest that the next lot of Mabel ore be sent to these people, and sampled enroute at the Utah Ore Sampling Company's plant.

I think it would be advisable to handle one or two lots in this way, as outlined in the enclosed letter, for the sake of getting a line on sampling results on this ore. Apparently neither the United States nor the International check us very closely, or themselves either. A double sampling as suggested, may help to get nearer the actual value. After a couple of lots have been handled in this way we can decide which is the most profitable for us.

Very truly yours,

*J. W. Sherwin*  
General Manager.

JWS:RS

P.S.

Please hold up shipment of any ore under this arrangement, for a few days, pending the settlement of a controversy now on with these people concerning Santa Rosa ore settlements. If Mr. Brumley inquires you can show him this.

*J. W. Sherwin*



UNITED STATES SMELTING, REFINING AND MINING COMPANY  
MIDVALE PLANT AND MILLSDOWNIE D. MUIR, JR., GENERAL MANAGER,  
W. H. EARDLEY, ASSISTANT MANAGER  
M. W. WOOLLEY, ORE BUYER  
W. W. RAGER, CASHIER

SALT LAKE CITY, UTAH

June 23, 1924.

West End Consolidated Mng. Co.  
Tonopah, Nevada

Gentlemen:

We are in receipt of your letter of June 20, inclosing bill of lading on car C. & N. W. 140022 from the Mable Mine. In accordance with my understanding with Mr. Sherwin, we are requesting the Utah Ore Sampling Company to hold this shipment after sampling until the assays are out so that we can wire you as to the assays obtained. If the assays obtained from the results of the Utah Ore Sampling Company's sampling are satisfactory we will request that you wire us immediately so that we can release the car. If they are not up to your expectations kindly wire and we will have the car re-sampled at Midvale and re-load a car again and hold until the assays on our sampling are available. I have requested the Utah Ore Sampling Company to get in touch with the railroad to see that the car is diverted to them for sampling.

We are desirous of giving every satisfaction in handling this shipment and trust that settlement as rendered will be perfectly satisfactory to Mr. Sherwin and your staff.

We will be pleased to comply with your instructions relative to letting Black & Deason watch the sampling and will make four settlement sheets for your files.

*Shows Brumley 6/26/24  
who advised that he would wire  
his people that car is to be  
sampled in accordance with  
Mr. Eardley's letter 5/27/24  
OK*



Thanking you for the shipment and assuring you we will do everything we can to render prompt and satisfactory settlement, we remain,

Very truly yours,

MW/MP

*M. W. Woolley*



$$\underline{4817.24}$$



| CLASS OF SERVICE DESIRED  |  |
|---|--|
| Telegram  |  |
| Day Letter  |  |
| Night Message   |  |
| Night Letter  |  |
| Patrons should mark an X opposite the class of service desired: OTHERWISE THE MESSAGE WILL BE TRANSMITTED AS A FULL-RATE TELEGRAM |  |

# WESTERN UNION TELEGRAM

NEWCOMB CARLTON, PRESIDENT

GEORGE W. E. ATKINS, FIRST VICE-PRESIDENT

|                |
|----------------|
| Receiver's No. |
| Check          |
| Time Filed     |

Send the following message, subject to the terms  
on back hereof, which are hereby agreed to

Tenopah, Nevada. 6/20th, 1924. 19

To Agent, ~~#####~~ Southern Pacific Co

Street and No. (or Telephone Number)

Hazen, Nevada.

Place

C&NW 140022 ore from West End Cons'd M Co.

~~#####~~ Consigned U.S. Smelter & Refining Co Midvale, Utah.

covered by Mine, Nev. W.B.SP.4, 6/19--- place on waybill following

notation "To be sampled in-transit by Utah Ore Sampling Co  
of Salt Lake City, Ut. advise me railroad wire when accomplished.  
ear out mine to-day on 23.

E. L. Turnbaugh

SENDER'S ADDRESS  
FOR ANSWER

SENDER'S TELE-  
PHONE NUMBER



Various Control Assays packet 2729  
Shipped to U.S. Smelting Ref. & Mining Co.

|                       | Gold.   | Silver | Lead    |
|-----------------------|---------|--------|---------|
| U.S. Org Control      | 1.76    | 174.80 | 10.2 %  |
| B.D. -                | 1.75    | 175.40 | 10.7 -  |
| U.S. Dup Control      | 1.725   | 174.30 |         |
| B.D. -                | 1.71    | 174.90 |         |
| West End Org -        | 1.7     | 172.80 | 11.0 ✓  |
| - Dup -               | 1.70    | 173.20 | 11.5 ✓  |
| Marsh Sack Sample     | 1.838   | 174.68 | 10.7    |
| - Loading -           | 1.72    | 192.30 | 11.5    |
| average of Controls   | 1.731   | 174.23 | 10.85 % |
| - of Marsh Samples    | 1.779   | 183.49 | 11.10 ✓ |
| Settlement figures    | 1.73625 | 174.85 | 10.45 ✓ |
| S.D. on U.S. Sampling | 1.48    | 164.7  | 9.3     |
| West End ✓            | 1.48    | 162.20 | 9.5     |



UNITED STATES SMELTING, REFINING AND MINING COMPANY  
MIDVALE PLANT AND MILLS

DOWNIE D. MUIR, JR., GENERAL MANAGER  
W. H. EARDLEY, ASSISTANT MANAGER  
M. W. WOOLLEY, ORE BUYER  
W. W. RAGER, CASHIER

SALT LAKE CITY, UTAH

May 27th, 1924.

West End Consolidated Mining Co.,  
Tonopah, Nevada.

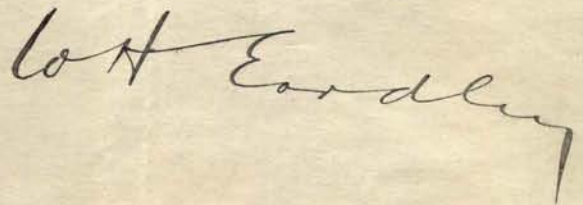
Dear Sirs:-

We are today in receipt of a letter from Mr. Brumblay relative to the sampling of your ore. We note that you desire to have two samplings on a number of carloads, as the values are rather spotted. We will be very pleased indeed to have the ore sampled at the Utah Ore Sampling Company's plant, we bearing half of the expense as suggested by Mr. Brumblay; and would then sample the product at Midvale and hold the car until the results are obtained on the second sampling, and if necessary sample the product a third time at either the public sampler or at our own works. If we find it necessary to grind the material finer than usual in order to secure uniform results, we will be pleased to follow this method. If you will kindly advise us your wishes in the matter we will be pleased to handle the material in accordance therewith.

Yours very truly,

WHE:H

CC Mr. Brumblay





## UNITED STATES SMELTING, REFINING &amp; MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

Salt Lake City, Utah, July 8, 1924.

Pay West End Consolidated Mining Company

Ore Mable Ore Lot No. 1 Class \_\_\_\_\_  
 Sampled by \_\_\_\_\_ Received 6-26 Sampled 6-26 Assayed 6-30  
 Metal Quotations—Silver .6575 Copper, N. Y. \_\_\_\_\_ Lead, N. Y. 7.00 Zinc \_\_\_\_\_

| ASSAYS           | GOLD<br>OZS. PER TON | SILVER<br>OZS. PER TON | PER CENT<br>COPPER WET | PER CENT<br>LEAD | PER CENT<br>INSOLUBLE | PER CENT<br>IRON | PER CENT<br>ZINC | PER CENT<br>SULPHUR | PER CENT | PER CENT |
|------------------|----------------------|------------------------|------------------------|------------------|-----------------------|------------------|------------------|---------------------|----------|----------|
| U. S. S. Co.     | 1.725                | 174.8                  |                        | 10.2             | 68.2                  | 7.4              |                  | .6                  |          |          |
|                  | 1.725                | 174.8                  |                        | 10.7             | 67.2                  | 7.2              |                  | .7                  |          |          |
| Umpire           | 1.71                 | 174.9                  |                        |                  |                       |                  |                  |                     |          |          |
| Settlement Assay | 1.73625              | 174.85                 |                        | 10.45            | 67.7                  | 7.3              |                  | .65                 |          |          |

| CAR NOS.                    | WET WEIGHT | METAL VALUES        |        | WORKING CHARGE     |       |
|-----------------------------|------------|---------------------|--------|--------------------|-------|
| CNV 140822                  |            | Gold                | 32 99  | Treatment          | 4 96  |
|                             |            | Silver              | 109 22 | Insoluble          | 6 77  |
|                             |            | Copper              |        | Zinc               |       |
|                             |            | Lead                | 10 06  | Sulphur            |       |
|                             |            |                     |        | Speiss             |       |
|                             |            |                     |        |                    |       |
| Total Wet Weight            |            |                     |        |                    |       |
| Sacks                       |            |                     |        | Total Debit        | 11 73 |
| Net Weight                  | 81520      | Gross Value         | 152 27 | Iron               | 44    |
| Less H <sub>2</sub> O 1.2 % | 978        | Less Working Charge | 11 29  | Net Working Charge | 11 29 |

Dry Weight, lbs. 80542 Payment for 40,271 tons @ 140 98 per ton 5677 41  
 Freight advanced @ 12.30 per ton 542.11  
 Assay Charges 6.00  
 Sampling Charges 1/2 18.34  
 Watching 5.00 573 45

A charge of Five Dollars made for sampling on all lots of ore containing less than ten tons, dry weight. Rates subject to change without notice when not under contract or for specified tonnage.

Checked by \_\_\_\_\_  
 Approved by \_\_\_\_\_

Net Payment

5103 96

11.04



# West End Consolidated Mining Company

## DAILY ASSAY REPORT

MABEL

Tonopah, Nevada, Sept. 15-24

192

WESTERN CON. MG. CO. ORE CONTROL

| Sample Number               | WORKING PLACE    | GOLD   |       | SILVER |       | TOTAL VALUE | REMARKS  |
|-----------------------------|------------------|--------|-------|--------|-------|-------------|----------|
|                             |                  | Ounces | Value | Ounces | Value |             |          |
| 1/474                       | June 27-24       |        |       |        |       |             | Pb.      |
| Utah Ore Sampling Co. Orig. |                  | 1.71   |       | 175.60 |       |             | 10.9%    |
| " " " " Dup.                |                  | 1.71   |       | 175.80 |       |             | 10.9%    |
| 1/532                       | July 11-24       |        |       |        |       |             |          |
| 1 St Resample               |                  |        |       |        |       |             |          |
| Utah Ore Sampling Co. Orig. |                  | 1.58   |       | 169.30 |       |             | 10.7%    |
| " " " " Dup.                |                  | 1.54   |       | 169.80 |       |             | 10.7%    |
| 1/539                       | July 11-24       |        |       |        |       |             |          |
| 2 nd. Resample              |                  |        |       |        |       |             |          |
| Utah Ore Sampling Co. Orig. |                  | 1.55   |       | 166.60 |       |             | 10.6%    |
| " " " " Dup.                |                  | 1.55   |       | 167.15 |       |             | 10.7%    |
| 1/13256                     | June 29-24 43313 |        |       |        |       |             |          |
| United States S. & R. Co.   |                  | 1.46   |       | 163.50 |       |             | 9.7%     |
| 1/13323                     | July 1-24 41442  |        |       |        |       |             |          |
| 1 st. Resample              |                  | 1.46   |       | 163.30 |       |             | 9.5%     |
| United States S. & R. Co.   |                  |        |       |        |       |             |          |
| 1/13390                     | July 2-24 41036  |        |       |        |       |             |          |
| 2 nd. Resample              |                  | 1.56   |       | 160.50 |       |             | 8.5%     |
| United States S. & R. Co.   |                  |        |       |        |       |             |          |
|                             |                  |        |       |        |       |             | J. P. M. |



# West End Consolidated Mining Company

## DAILY ASSAY REPORT

NABEL

Tonopah, Nevada, Sept. 15-24

192

WESTEND CON. MG. CO. ORE CONTROL

| Sample Number               | WORKING PLACE    | GOLD   |       | SILVER |       | TOTAL VALUE | REMARKS  |
|-----------------------------|------------------|--------|-------|--------|-------|-------------|----------|
|                             |                  | Ounces | Value | Ounces | Value |             |          |
| 1/474                       | June 27-24       |        |       |        |       |             | Pb.      |
| Utah Ore Sampling Co. Orig. |                  | 1.71   |       | 175.60 |       |             | 10.9%    |
| " " " " Dup.                |                  | 1.71   |       | 175.80 |       |             | 10.9%    |
| 1/532                       | July 11-24       |        |       |        |       |             |          |
| 1 St Resample               |                  |        |       |        |       |             |          |
| Utah Ore Sampling Co. Orig. |                  | 1.58   |       | 169.30 |       |             | 10.7%    |
| " " " " Dup.                |                  | 1.54   |       | 169.80 |       |             | 10.7%    |
| 1/539                       | July 11-24       |        |       |        |       |             |          |
| 2 nd. Resample              |                  |        |       |        |       |             |          |
| Utah Ore Sampling Co. Orig. |                  | 1.55   |       | 166.60 |       |             | 10.6%    |
| " " " " Dup.                |                  | 1.55   |       | 167.15 |       |             | 10.7%    |
| 1/13256                     | June 29-24 43313 |        |       |        |       |             |          |
| United States S. & R. Co.   |                  | 1.46   |       | 163.50 |       |             | 9.7%     |
| 1/13323                     | July 1-24 41442  |        |       |        |       |             |          |
| 1 st. Resample              |                  | 1.46   |       | 163.30 |       |             | 9.5%     |
| United States S. & R. Co.   |                  |        |       |        |       |             |          |
| 1/13390                     | July 2-24 41036  |        |       |        |       |             |          |
| 2 nd. Resample              |                  | 1.56   |       | 160.50 |       |             | 8.5%     |
| United States S. & R. CO.   |                  |        |       |        |       |             |          |
|                             |                  |        |       |        |       |             | J. P. M. |



## INTERNATIONAL SMELTING COMPANY

TOOELE PLANT

Salt Lake City, Utah, April 14, 1935

Bought of West End Consolidated Mining Co.  
Tonapah, Nevada

Shipped from Mine, Nevada

Mine Mabel

Mine Lot 28

Class Crude

Smelter Lot 3452

Received

Sampled 6-1632

Sampled by

Assayed

E. &amp; M. J. P. Metal Silver 67

Lead 6-11 7.033

Copper

Zinc

Quotations for

(Date mentioned)

(Average for week ending)

(Average for week ending)

(Average for week ending)

| ASSAYS     | COPPER | LEAD | ZINC | SILVER   | GOLD   | INSOLUBLE | IRON | SULPHUR | LIME | MANGANESE | SPEISS |
|------------|--------|------|------|----------|--------|-----------|------|---------|------|-----------|--------|
| I. S. CO.  | Tr     | 12.9 | Tr   | 177.10   | 2.310  | 67.0      | 5.5  | .6      |      |           | Nil    |
| MINING CO. |        | 13.6 |      | 178.20   | 2.305  | 65.3      | 6.1  | .7      |      |           |        |
| UMPIRE C&N |        | 13.5 |      | 177.3925 |        | 66.0      |      |         |      |           |        |
| SETTLEMENT | Tr     | 13.5 | Tr   | 177.3925 | 2.3075 | 66.0      | 5.7  | .65     |      |           | Nil    |

## VALUES PER TON

## TREATMENT

|                   |           |        |         |                     |         |        |
|-------------------|-----------|--------|---------|---------------------|---------|--------|
| Copper, Less      | @         |        |         | Base                |         | 3 000  |
| Lead, "           | 90% @     | .05383 | 13 081  | Chg. Pb under 30% @ | .10     | 1 650  |
| Zinc              | @         |        |         |                     |         |        |
| Silver            | 100 95% @ | .67    | 118 853 |                     |         | 4 650  |
| Gold              | @         | 19.00  | 43 843  | Insoluble           | % @ .10 | 6 600  |
|                   |           |        | 175 777 | Sulphur             | % @     |        |
|                   |           |        |         | Zinc                | % @     |        |
|                   |           |        |         | Speiss              | % @     | 11 250 |
|                   |           |        |         |                     |         |        |
|                   |           |        |         | Iron                | % @ .06 | 342    |
|                   |           |        |         | Lime                | % @     |        |
| Less Treatment    |           |        | 10 908  | Manganese           | % @     |        |
| Net Value Per Ton |           |        | 164 869 | Net Treatment       |         | 10 908 |

| INITIAL          | CAR NUMBER | WEIGHT | PAYMENT                              |              |         |
|------------------|------------|--------|--------------------------------------|--------------|---------|
| C&N              | 53436      | 85120  | 41.8365 Tons @ 164.869 Per Ton       |              | 6897 54 |
|                  |            |        | Freight @ 11.04 (R. R. Value 155.97) | 469 86       |         |
|                  |            |        | 5% of value of Ag                    |              | 248 62  |
|                  |            |        | Crismon & Nichols, umpire            | 3 00         |         |
|                  |            |        | Black & Deason, assaying             | 5 00         |         |
|                  |            |        | Ed Dalton, Rept. (Dft. 12321)        | 3 00         |         |
|                  |            |        | Paid by (Dft. 12315)                 | 6071 87      |         |
| Total Wet Weight |            | 85120  |                                      | 6552 73      |         |
| Moisture 1.70 %  |            |        | Total                                | 607          | 6648 92 |
| Dry Weight       |            | 83673  | Paid by Draft No. 13944              | Net Proceeds | 96 19   |

An extra charge made for sampling all lots less than carload.

Rates, except on contracts for specified time or specified tonnage, subject to change without notice.

RG  
CORRECTED



## INTERNATIONAL SMELTING COMPANY

TOOELE PLANT

Salt Lake City, Utah, April 14, 1925

Bought of West End Consolidated Mining Co.  
Tonapah, Nevada

Shipped from Mine, Nevada

Mine Mabel

Mine Lot 23

Class Crude

Smelter Lot 3452

Received

Sampled 6-1622

Sampled by

Assayed

E. &amp; M. J. P. Metal Silver 67

Lead 6-11 7.033

Copper

Zinc

Quotations for

(Date mentioned)

(Average for week ending)

(Average for week ending)

(Average for week ending)

| ASSAYS     | COPPER | LEAD | ZINC | SILVER   | GOLD   | INSOLUBLE | IRON | SULPHUR | LIME | MANGANESE | SPEISS |
|------------|--------|------|------|----------|--------|-----------|------|---------|------|-----------|--------|
| I. S. CO.  | Tr     | 12.0 | Tr   | 177.10   | 2.310  | 67.0      | 5.3  | .6      |      |           | N11    |
| MINING CO. |        | 13.6 |      | 178.30   | 2.505  | 65.3      | 6.1  | .7      |      |           |        |
| UMPIRE C&N |        | 13.5 |      | 177.3925 |        | 66.0      |      |         |      |           |        |
| SETTLEMENT | Tr     | 13.5 | Tr   | 177.3925 | 2.3075 | 66.0      | 5.7  | .35     |      |           | N11    |

## VALUES PER TON

## TREATMENT

|                   |           |        |  |         |                         |  |        |
|-------------------|-----------|--------|--|---------|-------------------------|--|--------|
| Copper, Less      | @         |        |  |         | Base                    |  | 3 000  |
| Lead, "           | 90% @     | .05333 |  | 13 081  | Chg. Pb under 30% @ .10 |  | 1 650  |
| Zinc              | @         |        |  |         |                         |  |        |
| Silver            | 100 95% @ | .67    |  | 113 853 |                         |  | 4 650  |
| Gold              | @         | 19.00  |  | 43 843  | Insoluble % @ .10       |  | 6 600  |
|                   |           |        |  | 175 777 | Sulphur % @             |  |        |
|                   |           |        |  |         | Zinc % @                |  |        |
|                   |           |        |  |         | Speiss % @              |  | 11 250 |
| Less Treatment    |           |        |  | 10 908  | Iron % @ .06            |  | 342    |
| Net Value Per Ton |           |        |  | 164 869 | Lime % @                |  |        |
|                   |           |        |  |         | Manganese % @           |  |        |
|                   |           |        |  |         | Net Treatment           |  | 10 908 |

| INITIAL          | CAR NUMBER | WEIGHT | PAYMENT                              |              |         |
|------------------|------------|--------|--------------------------------------|--------------|---------|
| C&NW             | 53456      | 85120  | 41.8365 Tons @ 164.869 Per Ton       |              | 6897 54 |
|                  |            |        | Freight @ 11.04 (R. R. Value 155.97) | 469 86       |         |
|                  |            |        | 5% of value of Ag                    |              | 243 62  |
|                  |            |        | Crismon & Nichols, umpire            | 3 00         |         |
|                  |            |        | Black & Deason, assaying             | 5 00         |         |
|                  |            |        | Ed Dalton, Rept. (Dft. 12321)        | 3 00         |         |
|                  |            |        | Paid by (Dft. 12315)                 | 6071 87      |         |
| Total Wet Weight |            | 85120  |                                      | 6552 73      |         |
| Moisture 1.70 %  |            |        | Total                                | 6552 73      | 6643 92 |
| Dry Weight       |            | 83673  | Paid by Draft No. 13944              | Net Proceeds | 96 19   |

An extra charge made for sampling all lots less than carload.

Rates, except on contracts for specified time or specified tonnage, subject to change without notice.

RG  
CORRECTED



## INTERNATIONAL SMELTING COMPANY

TOOELE PLANT

Salt Lake City, Utah, April 14, 1935

Bought of West End Consolidated Mining Co.  
Tonapah, Nevada

Shipped from Mina, Nevada

Mine Mabel

Mine Lot 28

Class Crude

Smelter Lot 3452

Received

Sampled 6-1622

Sampled by

Assayed

E. &amp; M. J. P. Metal Silver 67

Lead 6-11 7.033

Copper

Zinc

Quotations for

(Date mentioned)

(Average for week ending)

(Average for week ending)

(Average for week ending)

| ASSAYS     | COPPER | LEAD | ZINC     | SILVER | GOLD | INSOLUBLE | IRON | SULPHUR | LIME | MANGANESE | SPEISS |
|------------|--------|------|----------|--------|------|-----------|------|---------|------|-----------|--------|
| I. S. CO.  | 12.9   | 12.9 | 177.10   | 2.510  | 67.0 | 5.5       | .6   |         |      |           | N11    |
| MINING CO. | 13.6   | 13.6 | 178.20   | 2.505  | 65.3 | 6.1       | .7   |         |      |           |        |
| UMPIRE C&N | 13.5   | 13.5 | 177.3925 |        | 66.0 |           |      |         |      |           |        |
| SETTLEMENT | 13.5   | 13.5 | 177.3925 | 2.5075 | 66.0 | 5.7       | .65  |         |      |           | N11    |

## VALUES PER TON

## TREATMENT

Copper, Less

@

Lead, "

90% @ .05383

Zinc

@

Silver

100 95% @ .67

Gold

@ 19.00

Base

Chg. Pb under 30% @ .10

Insoluble

% @ .10

Sulphur

% @

Zinc

% @

Speiss

% @

Iron

% @ .06

Lime

% @

Manganese

% @

Less Treatment

Net Value Per Ton

Net Treatment

|                   |               |         |        |                         |        |
|-------------------|---------------|---------|--------|-------------------------|--------|
| Copper, Less      | @             |         | 13 081 | Base                    | 3 000  |
| Lead, "           | 90% @ .05383  |         |        | Chg. Pb under 30% @ .10 | 1 650  |
| Zinc              | @             |         |        |                         |        |
| Silver            | 100 95% @ .67 | 118 855 |        |                         | 4 650  |
| Gold              | @ 19.00       | 43 845  |        |                         | 6 600  |
|                   |               | 175 777 |        |                         |        |
|                   |               |         |        |                         | 11 250 |
|                   |               |         |        |                         | 342    |
| Less Treatment    |               | 10 908  |        |                         |        |
| Net Value Per Ton |               | 164 869 |        | Net Treatment           | 10 908 |

| INITIAL          | CAR NUMBER | WEIGHT | PAYMENT  |   |                   |
|------------------|------------|--------|--|---|-------------------|
| C&NW             | 53436      | 85120  | 41.9365 Tons @ 164.869 Per Ton<br>Freight @ 11.04 (R. R. Value 155.97 )<br>5% of value of Ag<br>Crismon & Nichols, umpire<br>Black & Deason, assaying<br>Ed Dalton, Rept. (Dft. 12321)<br>Paid by (Dft. 12316) | 469 86<br>3 00<br>5 00<br>3 00<br>6071 87 | 6897 54<br>248 62 |
| Total Wet Weight |            | 85120  |  | 6552 73                                   | 6548 92           |
| Moisture 1.70 %  |            |        |  | 807                                       | 96 19             |
| Dry Weight       |            | 83673  | Paid by Draft No. 13944  |   |                   |

An extra charge made for sampling all lots less than carload.

Rates, except on contracts for specified time or specified tonnage, subject to change without notice.

RG  
CORRECTED



# INTERNATIONAL SMELTING COMPANY

Copy of  
Settlement  
Sheet

Mabel Lot No.28

Salt Lake City, Utah  
June 23, 1924

Mine Mabel  
Class Crude  
Smelter Lot 3452

Mine Lot 8  
Sampled 6/16  
Silver 67

Shipped from Mine, Nev.  
Lead 6/11 7.033

| Assays     | Copper   | Lead     | Silver | Gold | Insoluble | Iron | Sulphur | Lime | Zinc | Mang. | Speiss |
|------------|----------|----------|--------|------|-----------|------|---------|------|------|-------|--------|
| I.S.Co.    | Tr. 12.9 | 177.10   | 2.310  | 67.0 | 5.3       | .6   |         |      | Tr.  |       | Nil    |
| Mining Co. | 13.6     | 178.20   | 2.305  | 65.3 | 6.1       | .7   |         |      |      |       |        |
| Empire O&N | 13.5     | 177.3925 |        | 66.0 |           |      |         |      |      |       |        |
| Settlement | Tr. 13.5 | 177.3925 | 2.3075 | 66.0 | 5.7       | .65  |         |      | Tr.  |       | Nil    |

## VALUES PER TON

## TREATMENT

|               |        |                |  |
|---------------|--------|----------------|--|
| Copper, Less  |        |                |  |
| Lead 90% @    | .05383 | 13.081         |  |
| Silver 100% @ | .67    | 118.953        |  |
| Gold @        | 19.00  | 43.843         |  |
|               |        | <u>175.777</u> |  |

|                        |  |              |
|------------------------|--|--------------|
| Base                   |  | 3.000        |
| Chg.Pb under 30% @ .10 |  | 1.650        |
|                        |  | <u>4.650</u> |
| Insoluble @ .10        |  | 6.600        |
| Sulphur @              |  |              |
| Zinc @                 |  |              |
| Speiss @               |  |              |

11.250  
.342

|                   |                |
|-------------------|----------------|
| Less Treatment    | 10.908         |
| Net Value per Ton | <u>164.869</u> |

|               |               |
|---------------|---------------|
| Iron @ .06    | .342          |
| Lime @        |               |
| Manganese @   |               |
| Net Treatment | <u>10.908</u> |

Initial Car No. Weight  
C & NW 53436 85120

41.8365 Tons @ 164.869 per ton  
Frt. @ 13.30 (R.R. Value 155.97)  
5% of value of AG  
Crismon & Nichols, Empire  
Black & Deason, Assaying  
Ed Dalton, Representation Dft. 12321

6897.54  
566.05  
248.62  
3.00  
5.00  
3.00

Total Wet Weight 85120  
Moisture 1.70%  
Dry Weight 83673

TOTAL  
Paid by Draft No. 12315  
Net Proceeds  
Hauling to Mine

577.05  
6549.92  
6071.87  
297.85  
5774.02

Royalty paid to Tonopah Banking Corp.  
to complete purchase of mine as per  
agreement

2811.13  
2962.89

165 S. WEST TEMPLE ST.

## CERTIFICATE OF ASSAY

TELEPHONE WAS. 1214

## BLACK &amp; DEASON

ASSAYERS AND CHEMISTS

June 18th, 1924

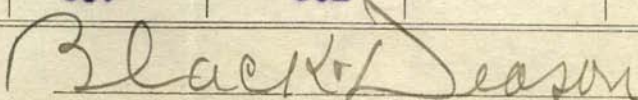
SALT LAKE CITY, UTAH,

NAME **West End Con.**LOT NO. **28**SAMPLED BY **International**

ASSAY PER TON OF 2,000 POUNDS

| GOLD—Ozs.                   | SILVER—Ozs.                  | LEAD—%                     | COPPER—%                 | SPEISS—% | SILICA—%    |
|-----------------------------|------------------------------|----------------------------|--------------------------|----------|-------------|
| <b>2.31</b><br><b>2.305</b> | <b>177.1</b><br><b>178.2</b> | <b>12.9</b><br><b>13.6</b> |                          |          |             |
| INSOLUBLE—%                 | ZINC—%                       | SULPHUR—%                  | IRON—%                   | LIME—%   | MANGANESE—% |
| <b>67.0</b><br><b>65.3</b>  | <b>None</b>                  | <b>0.6</b><br><b>0.7</b>   | <b>5.3</b><br><b>6.1</b> |          |             |

CHARGE, \$

**5**

 ASSAYERS



Lot 27

Seals per

ag

Lead

|     |      |         |        |    |     |    |        |      |
|-----|------|---------|--------|----|-----|----|--------|------|
| 208 | 1.28 | 266 24  | 38.80  | 80 | 70  | 40 | 11%    | 2288 |
| 200 | 1.22 | 244 00  | 72.80  | 14 | 56  | 00 | 9 1/2  | 1900 |
| 370 | 1.68 | 621 60  | 100.50 | 37 | 185 | 00 | 15 1/2 | 5735 |
| 778 |      | 1131 84 |        | 59 | 815 | 40 |        | 9923 |

avg assay

1.454

76.88

12 3/4%







| CLASS OF SERVICE | SYMBOL |
|------------------|--------|
| Telegram         |        |
| Day Letter       | Blue   |
| Night Message    | Nite   |
| Night Letter     | N L    |

If none of these three symbols appears after the check (number of words) this is a telegram. Otherwise its character is indicated by the symbol appearing after the check.

# WESTERN UNION TELEGRAM



NEWCOMB CARLTON, PRESIDENT

GEORGE W. E. ATKINS, FIRST VICE-PRESIDENT

| CLASS OF SERVICE | SYMBOL |
|------------------|--------|
| Telegram         |        |
| Day Letter       | Blue   |
| Night Message    | Nite   |
| Night Letter     | N L    |

If none of these three symbols appears after the check (number of words) this is a telegram. Otherwise its character is indicated by the symbol appearing after the check.

RECEIVED AT TONOPAH, NEV.

55F WA 19 COLLECT NITE

SALT LAKE CITY UTAH JUNE 18 1924

WEST END CAR MINING CO

TONOPAH NEV

MABEL ONE GOLD TWO POINT THREE OUGHT FIVE SILVER ONE SEVENTY EIGHT  
POINT TWO WET LEAD FOURTEEN SIX

BLACK DEASON

822P



## INTERNATIONAL SMELTING COMPANY

TOOELE PLANT

PURCHASING DEPARTMENT

Salt Lake City, Utah, June 23, 1924.

Bought of West End Consolidated Mining Co.,  
Tonopah, Nev.

Shipped from Mina, Nev.

Mine Mabel

Mine Lot 28

Class

Crude Smelter Lot 3452

Received

Sampled 6/16

Sampled by

Assayed

E. &amp; M. J. P. Metal

Silver 67

(Date mentioned)

Lead 6/11

7.033

Copper

(Average for week ending)

(Average for week ending)

Quotations for

| ASSAYS     | COPPER | LEAD | SILVER   | GOLD   | INSOLUBLE | IRON | SULPHUR | LIME | ZINC | MANGANESE | SPEISS |
|------------|--------|------|----------|--------|-----------|------|---------|------|------|-----------|--------|
| I. S. CO.  | Tr     | 12.9 | 177.10   | 2.310  | 67.0      | 5.3  | .6      |      | Tr   |           | N11    |
| MINING CO. |        | 13.6 | 178.20   | 2.305  | 65.3      | 6.1  | .7      |      |      |           |        |
| UMPIRE C&N |        | 13.5 | 177.3925 |        | 66.0      |      |         |      |      |           |        |
| SETTLEMENT | Tr     | 13.5 | 177.3925 | 2.3075 | 66.0      | 5.7  | .65     |      | Tr   |           | N11    |

## VALUES PER TON

## TREATMENT

Copper, Less

@

Lead

90% @

.05383

Silver

100% @

.67

Gold

@

19.00

13 081

118 853

43 843

175 777

Base

Chg. Pb under 30% @ .10

Insoluble

% @ .10

Sulphur

% @

Zinc

% @

Speiss

% @

Iron

% @ .06

Lime

% @

Manganese

% @

Less Treatment

Net Value Per Ton

10 908

164 869

Net Treatment

3 600

1 650

4 650

6 600

11 250

342

10 908

| INITIAL          | CAR NUMBER | WEIGHT | PAYMENT                              |        |         |
|------------------|------------|--------|--------------------------------------|--------|---------|
| C&NW             | 53436      | 85120  | 41.8365 Tons @ 164.869 Per Ton       |        | 6897 54 |
|                  |            |        | Freight @ 13.30 (R. R. Value 155.97) | 566 05 |         |
|                  |            |        | 5% of value of Ag                    |        | 248 62  |
|                  |            |        | Crismon & Nichols, Umpire            | 3 00   |         |
|                  |            |        | Black & Deason, Assaying             | 5 00   |         |
|                  |            |        | Ed Dalton, Representation Dft. 12321 | 3 00   |         |
| Total Wet Weight |            | 85120  |                                      | 577 05 | 6648 92 |
| Moisture 1.70 %  |            |        |                                      |        |         |
| Dry Weight       |            | 836 73 | Paid by Draft No. 12315              |        | 6071 87 |

An extra charge made for sampling all lots less than carload.

Rates, except on contracts for specified time or specified tonnage, subject to change without notice.

INTERNATIONAL SMELTING COMPANY

EM

Royalty paid to complete purchase of mine, as per agreement

J. E. WHITEHEAD

Ore Purchasing Agent

296.39



## INTERNATIONAL SMELTING COMPANY

TOOELE PLANT

PURCHASING DEPARTMENT

Salt Lake City, Utah, June 23, 1924.

Bought of West End Consolidated Mining Co.,  
Tonopah, Nev.

Shipped from Mina, Nev.

Mine Mabel

Mine Lot 28

Class

Crude Smelter Lot 3452

Received

Sampled 6/16

Sampled by

Assayed

E. &amp; M. J. P. Metal

Silver 67

(Date mentioned)

Lead 6/11

(Average for week ending)

7.033 Copper

(Average for week ending)

Quotations for

| ASSAYS     | COPPER | LEAD | SILVER   | GOLD   | INSOLUBLE | IRON | SULPHUR | LIME | ZINC | MANGANESE | SPEISS |
|------------|--------|------|----------|--------|-----------|------|---------|------|------|-----------|--------|
| I. S. CO.  | Tr     | 12.9 | 177.10   | 2.310  | 67.0      | 5.3  | .6      |      | Tr   |           | N11    |
| MINING CO. |        | 13.6 | 178.20   | 2.305  | 65.3      | 6.1  | .7      |      |      |           |        |
| UMPIRE C&N |        | 13.5 | 177.3925 |        | 66.0      |      |         |      |      |           |        |
| SETTLEMENT | Tr     | 13.5 | 177.3925 | 2.3075 | 66.0      | 5.7  | .65     |      | Tr   |           | N11    |

## VALUES PER TON

## TREATMENT

Copper, Less @

Lead 90% @ .05383

Silver 100/95% @ .67

Gold @ 19.00

13 081

118 853

43 843

175 777

Base

Chg. Pb under 30% @ .10

Insoluble % @ .10

Sulphur % @

Zinc % @

Speiss % @

Iron % @ .06

Lime % @

Manganese % @

Net Treatment

Less Treatment

Net Value Per Ton

10 908

164 869

3 000

1 650

4 650

6 600

11 250

342

10 908

| INITIAL          | CAR NUMBER | WEIGHT | PAYMENT  |        |         |
|------------------|------------|--------|--|--------|---------|
| C&NW             | 53436      | 85120  | 41.8365 Tons @ 164.869 Per Ton<br>Freight @ 13.30 (R. R. Value 155.97)<br>5% of value of Ag<br>Crismon & Nichols, Umpire<br>Black & Deason, Assaying<br>Ed Dalton, Representation Dft. 12321 | 566 05 | 6897 54 |
|                  |            |        |  | 3 00   | 248 62  |
|                  |            |        |  | 5 00   |         |
|                  |            |        |  | 3 00   |         |
| Total Wet Weight |            | 85120  | Total  | 577 05 | 6648 92 |
| Moisture 1.70 %  |            |        | Net Proceeds   |        | 6071 87 |
| Dry Weight       |            | 836 73 | Paid by Draft No. 12315  |        |         |

An extra charge made for sampling all lots less than carload.

Rates, except on contracts for specified time or specified tonnage, subject to change without notice.

INTERNATIONAL SMELTING COMPANY

J. E. WHITEHILL

Ore Purchasing Agent



# CRISMON & NICHOLS

## ASSAYERS AND CHEMISTS

229-231 SO. WEST TEMPLE ST.

Phone Was. 2393

Salt Lake City, Utah, June 20, 1924

NAME West End Cons.

WEIGHT.....

CLASS CrudeLOT NO. 28SAMPLED BY International**UMPIRE ASSAY PER TON 2000 POUNDS**

| GOLD-Ozs.                            | SILVER-Ozs.   | LEAD-Per cent<br>Wet on Fire | COPPER-Per cent  |
|--------------------------------------|---------------|------------------------------|------------------|
|                                      | 179.70        | 13.5                         |                  |
| Gold not deducted                    |               |                              |                  |
| Per cent<br><del>SILVER</del> INSOL. | IRON-Per cent | ZINC-Per cent                | SULPHUR-Per cent |
| 66.0                                 |               | <i>Smelter</i><br><i>Wm</i>  | \$7.00<br>3.00   |
| SPEISS-Per cent                      | LIME-Per cent | MANGANESE<br>Per cent        | Per cent         |
|                                      |               |                              |                  |

CHARGES \$ 10.00

*Crison & Nichols*

# CRISMON & NICHOLS

## ASSAYERS AND CHEMISTS

229-231 SO. WEST TEMPLE ST.

Phone Was. 2393

Salt Lake City, Utah, June 20, 1924

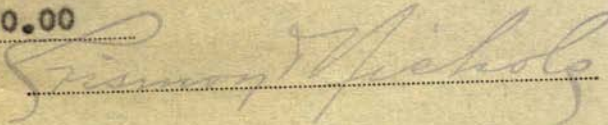
NAME West End Cons.

WEIGHT.....

CLASS CrudeLOT NO. 28SAMPLED BY International

UMPIRE ASSAY PER TON 2000 POUNDS

| GOLD-Ozs.                            | SILVER-Ozs.   | LEAD-Per cent<br>Wet on Fire | COPPER-Per cent  |
|--------------------------------------|---------------|------------------------------|------------------|
|                                      | 179.70        | 13.5                         |                  |
| Gold not deducted                    |               |                              |                  |
| Per cent<br><del>SILICA</del> INSOL. | IRON-Per cent | ZINC-Per cent                | SULPHUR-Per cent |
| 66.0                                 |               |                              |                  |
| SPEISS-Per cent                      | LIME-Per cent | MANGANESE<br>Per cent        | Per cent         |
|                                      |               |                              |                  |

CHARGES \$ 10.00




INTERNATIONAL SMELTING CO  
TOOELE PLANT

43101

## MOISTURE REPORT

DATE 4-27 1924

SHIPPER

West End Cons Mfg Co.

CAR No.

130104

LOT No.

- 27

MOISTURE

0.80

..

0.90

..

..

..

..

..

..

..

..

TOTAL MOISTURES

1.70

AVERAGE MOISTURE

0.94

SAMPLER

REJECT

INTERNATIONAL SMELTING CO.

TOOELE PLANT

43840

MOISTURE REPORT

DATE 6-14 1924

SHIPPER

West End Cons.

CAR No.

53436

LOT No.

- 28

MOISTURE

1.70

1.70

..

..

..

..

..

..

..

..

..

TOTAL MOISTURES

3.40

AVERAGE MOISTURE

1.70

SAMPLER



# INTERNATIONAL SMELTING COMPANY

## TOOELE PLANT

### ASSAY CERTIFICATE

Name West End
 CLASS Crude SMELTER LOT \_\_\_\_\_ MINE LOT 28 Date June 18, 1924 1924

| PER CENT<br>COPPER | PER CENT<br>LEAD | PER TON OF 2,000 LBS. |           | PER CENT<br>SiO <sub>2</sub> | PER CENT<br>INSOL. | PER CENT<br>Fe | PER CENT<br>S | PER CENT<br>CaO | PER CENT<br>Zn | PER CENT<br>Mn | PER CENT<br>SPEISS | PER CENT |
|--------------------|------------------|-----------------------|-----------|------------------------------|--------------------|----------------|---------------|-----------------|----------------|----------------|--------------------|----------|
|                    |                  | OZS. SILVER           | OZS. GOLD |                              |                    |                |               |                 |                |                |                    |          |
|                    | WET              |                       |           |                              |                    |                |               |                 |                |                |                    |          |
|                    | 14.3             |                       |           |                              |                    |                |               |                 |                |                |                    |          |
|                    | FIRE             |                       |           |                              |                    |                |               |                 |                |                |                    |          |
|                    |                  |                       |           |                              |                    |                |               |                 |                |                |                    |          |
|                    | WET ON FIRE      |                       |           |                              |                    |                |               |                 |                |                |                    |          |
| trace              | 12.9             | 177.10                | 2.31      |                              | 67.0               | 5.3            | 0.6           |                 | trace          |                | nil                |          |

Black Season

*H. G. Johnson*  
CHIEF CHEMIST

June 6, 1924.

International Smelting & Refining Co.,  
618 Kearns Building,  
Salt Lake City, Utah.

Gentlemen:-

Enclosed is Bill of Lading covering  
shipment to you from our Mabel Mine, Mina, Nevada,  
on June 4th of car of ore in car U & N.W. 53436.

Black & Deason will watch the sampling  
of this ore as heretofore.

Will you kindly send us four copies of  
settlement sheets in making settlement. Would  
appreciate receiving settlement as early as possible.

Very truly yours,

CHIEF CLERK

OF:G

*Est'd weight 83850 lb.  
value 175.00 ton*



| CLASS OF SERVICE DESIRED  |                                     |
|---|-------------------------------------|
| Telegram  | <input checked="" type="checkbox"/> |
| Day Letter  | <input type="checkbox"/>            |
| Night Message   | <input type="checkbox"/>            |
| Night Letter  | <input type="checkbox"/>            |
| Patrons should mark an X opposite the class of service desired; OTHERWISE THE MESSAGE WILL BE TRANSMITTED AS A FULL-RATE TELEGRAM |                                     |

# WESTERN UNION TELEGRAM

NEWCOMB CARLTON, PRESIDENT

GEORGE W. E. ATKINS, FIRST VICE-PRESIDENT

|                |
|----------------|
| Receiver's No. |
| Check          |
| Time Filed     |

Send the following message, subject to the terms  
on back hereof, which are hereby agreed to

TONOPAH, NEVADA

JUNE 19, 1924.

BLACK & DEASON,  
165 S. WEST TEMPLE ST.,  
SALT LAKE CITY, UTAH

YOUR WIRE EIGHTEENTH RELEASE MABEL LOT NUMBER TWENTY EIGHT

WEST END CONS. MINING CO.

CHARGE: WEST END

April 17, 1924.

Black & Deason,  
165 S. West Temple St.,  
Salt Lake City, Utah.

Gentlemen:-

We have shipped on April 16th from our Mabel Mine, car UP-130104 containing silver, gold, lead ore to the International Smelting Company at International. Will you kindly watch the sampling of this ore for us as heretofore.

Very truly yours,

CHIEF CLERK

OF:G



March 8, 1924.

International Smelting Co.,  
618 Kearns Bldg.,  
Salt Lake City, Utah.

Gentlemen:-

Enclosed is Bill of Lading dated Feb. 7th showing shipment to your International Plant of Car No.SP-17357 containing silver-lead-gold ore from our Mabel Mine at Mina, Nevada. The contents of this car is to be regarded as one lot. Our superintendent advises that in loading this car, some of the ore was sacked and placed around the doors as this obviated the necessity of boarding up the doors. *man*

Black & Deason will watch the sampling of this ore for us the same as heretofore. Please send four copies of the returns to this office in making settlement.

Very truly yours,

CHIEF CLERK

OF:G  
C:Black & Deason

June 5, 1924.

Black & Deason,  
165 S. West Temple St.,  
Salt Lake City, Utah

Gentlemen:-

We have shipped on June 4th from our Mabel Mine, Mina, Nevada, car C & N.W. 53436 consigned to the International Smelting & Refining Company at International, Utah. Will you please watch the sampling of this ore for us as heretofore.

Very truly yours,

OF:G

CHIEF CLERK



| CLASS OF SERVICE | SYMBOL |
|------------------|--------|
| Telegram         |        |
| Day Letter       | Blue   |
| Night Message    | Nite   |
| Night Letter     | N L    |

If none of these three symbols appears after the check (number of words) this is a telegram. Otherwise its character is indicated by the symbol appearing after the check.

# WESTERN UNION TELEGRAM



NEWCOMB CARLTON, PRESIDENT    GEORGE W. E. ATKINS, FIRST VICE-PRESIDENT

| CLASS OF SERVICE | SYMBOL |
|------------------|--------|
| Telegram         |        |
| Day Letter       | Blue   |
| Night Message    | Nite   |
| Night Letter     | N L    |

If none of these three symbols appears after the check (number of words) this is a telegram. Otherwise its character is indicated by the symbol appearing after the check.

RECEIVED AT **TONOPAH, NEV.**

11F R 16 DUPLICATE AND CORRECTED COPY

SALT LAKE CITY UTAH 1106A MAY 1 1924

WEST END CON MINING CO

20

TONOPAH NEV

WEST END CON LOT 7 GOLD ONE TWENTY SEVEN SILVER SEVENTY THREE SEVEN  
LEAD TEN ONE

BLACK AND DEASON

1027A

|              |           |           |             |
|--------------|-----------|-----------|-------------|
|              | <u>An</u> | <u>ag</u> | <u>P.B.</u> |
| Control      | 1.27      | 73.7      | 10.1        |
| Main average | 1.454     | 76.88     | 12.75       |
| Car Sample   | .62       | 60.00     | 10.1        |

| CLASS OF SERVICE |  |
|------------------|--|
| Telegram         |  |
| Day Letter       |  |
| Night Message    |  |
| Night Letter     |  |

If no class of service is designated the message will be transmitted as a full-rate telegram.

# COPY OF WESTERN UNION TELEGRAM

Salt Lake April 30th, 1924

West End Con. Mining Co.  
Tonopah, Nevada.

West End Con. lot 7 gold one twenty seven silver seventy three  
seven lead ten one.

Black & Deason

(Paid)

(Black & Deason  
165 So West Temple)



# INTERNATIONAL SMELTING COMPANY

TOOELE PLANT

## ASSAY CERTIFICATE

Name West End
 CLASS Crude SMELTER LOT 130104 Car 27 MINE LOT 27 Date April 29, 1924 1924

| PER CENT<br>COPPER | PER CENT<br>LEAD | PER TON OF 2,000 LBS. |       | PER CENT<br>SIO <sub>2</sub> | PER CENT<br>INSOL. | PER CENT<br>F E | PER CENT<br>S | PER CENT<br>C A O | PER CENT<br>Z N | PER CENT<br>M N | PER CENT<br>SPEISS | PER CENT |
|--------------------|------------------|-----------------------|-------|------------------------------|--------------------|-----------------|---------------|-------------------|-----------------|-----------------|--------------------|----------|
|                    | WET              |                       |       |                              |                    |                 |               |                   |                 |                 |                    |          |
|                    | 10.9             |                       |       |                              |                    |                 |               |                   |                 |                 |                    |          |
|                    | FIRE             |                       |       |                              |                    |                 |               |                   |                 |                 |                    |          |
|                    |                  |                       |       |                              |                    |                 |               |                   |                 |                 |                    |          |
|                    | WET ON FIRE      |                       |       |                              |                    |                 |               |                   |                 |                 |                    |          |
|                    |                  |                       |       |                              |                    |                 |               |                   |                 |                 |                    |          |
| Trace              | 9.6              | 73.90                 | 1.265 |                              | 71.4               | 5.7             | 0.6           |                   | 0.5             |                 | 0.5                |          |

*Blot & Clean*

*H. E. Goodwin*  
CHIEF CHEMIST

| CLASS OF SERVICE | SYMBOL |
|------------------|--------|
| Telegram         |        |
| Day Letter       | Blue   |
| Night Message    | Nite   |
| Night Letter     | N L    |

If none of these three symbols appears after the check (number of words) this is a telegram. Otherwise its character is indicated by the symbol appearing after the check.

# WESTERN UNION TELEGRAM

NEWCOMB CARLTON, PRESIDENT

GEORGE W. E. ATKINS, FIRST VICE-PRESIDENT

| CLASS OF SERVICE | SYMBOL |
|------------------|--------|
| Telegram         |        |
| Day Letter       | Blue   |
| Night Message    | Nite   |
| Night Letter     | N L    |

If none of these three symbols appears after the check (number of words) this is a telegram. Otherwise its character is indicated by the symbol appearing after the check.

RECEIVED AT TONOPAH, NEV.

3F R 16 NITE

SALT LAKE CITY UTAH APR 30 1924

WEST END CON MINING CO

12

TONOPAH NEV

WESTEND CON LOT 7 GOLD 127 SILVER 737 LEAD 101

BLACK AND DEASON

MAY 1 823A



April 17, 1924.

International Smelting Co.,  
618 Kearns Building,  
Salt Lake City, Utah.

Gentlemen:-

Enclosed is Bill of Lading dated Mina,  
Nevada, April 16th covering shipment of carload  
of ore from our Mabel Mine to your International  
Smelter in car UP-130104, estimated weight  
approximately 94000 lbs. Black & Deason will  
watch the sampling of this ore for us as heretofore.  
Please send us four copies of settlement sheet in  
making settlement.

Very truly yours,

CHIEF CLERK

OF:G



# INTERNATIONAL SMELTING COMPANY

Copy of  
Settlement  
Sheet

Mabel Lot No. 27

Salt Lake City, Utah  
May 2, 1924

Mine Mabel  
Class Crude

Mine Lot 7

Shipped from Mina, Nev.

|                |        | Sampled 4/27 |        | Silver 4/28 |           | 64.38 |         | Lead 4/23 |      | 8.083 |        |
|----------------|--------|--------------|--------|-------------|-----------|-------|---------|-----------|------|-------|--------|
| Assays         | Copper | Lead         | Silver | Gold        | Insoluble | Iron  | Sulphur | Lime      | Zinc | Mang. | Speiss |
| I.S.Co.        | Fr.    | 9.6          | 73.9   | 1.265       | 71.4      | 5.7   | .6      |           | .5   |       | .5     |
| Mining Co.     |        | 10.1         | 73.7   | 1.270       | 70.8      | 6.3   | .5      |           | Nil  |       |        |
| Umpire         |        |              |        |             |           |       |         |           |      |       |        |
| Settlement Tr. |        | 9.85         | 73.8   | 1.2675      | 71.1      | 6.0   | .55     |           | .25  |       | .5     |

## VALUES PER TON

## TREATMENT

|                   |        |        |        |  |  |                     |       |        |
|-------------------|--------|--------|--------|--|--|---------------------|-------|--------|
| Copper, Less      |        |        |        |  |  | Base                |       | 3.000  |
| Lead              | 90% c  | .06433 | 11.406 |  |  | Chg. Pb under 30% c | .10   | 2.015  |
| Silver            | 100% c | .64375 | 47.509 |  |  |                     |       |        |
| Gold              | c      | 19.00  | 24.083 |  |  |                     |       | 5.015  |
|                   |        |        | 82.998 |  |  | Insoluble           | c .10 | 7.110  |
|                   |        |        |        |  |  | Sulphur             | c     |        |
|                   |        |        |        |  |  | Zinc                | c     |        |
|                   |        |        |        |  |  | Speiss              | c     |        |
|                   |        |        |        |  |  |                     |       | 12.125 |
|                   |        |        |        |  |  | Iron                | c .06 | .360   |
|                   |        |        |        |  |  | Lime                | c     |        |
|                   |        |        |        |  |  | Manganese           | c     |        |
| Less Treatment    |        |        | 11.765 |  |  | Net Treatment       |       | 11.765 |
| Net Value per Ton |        |        | 71.233 |  |  |                     |       |        |

| Initial Car No. | Weight |                                |         |
|-----------------|--------|--------------------------------|---------|
| UP 130104       | 94220  | 46.667 Tons c 71.233 per ton   | 3324.23 |
|                 |        | Frt. c 7.10 (R.R. Value 68.04) | 334.48  |
|                 |        | 5% of Value of Ag.             | 110.86  |
|                 |        | Black & Deason, Assaying       | 5.00    |
|                 |        | Ed Dalton, Rep. (dft. 12094)   | 3.00    |

|                  |       |  |        |         |
|------------------|-------|--|--------|---------|
| Total Wet Weight | 94220 | TOTAL  | 342.48 | 3213.37 |
| Moisture .94%    |       |  |        |         |
| Dry Weight       | 93334 | Paid by Draft No. 12093                                |        |         |
|                  |       | Net Proceeds   |        | 2870.89 |
|                  |       | Hauling to Mina  |        | 329.90  |
|                  |       |  |        | 2540.99 |
|                  |       | Royalty paid to Tonopah Banking Corp. as per agreement |        | 1270.50 |
|                  |       |  |        | 1270.49 |



## INTERNATIONAL SMELTING COMPANY

TOOELE PLANT

PURCHASING DEPARTMENT

Salt Lake City, Utah, May 2, 1924.

Bought of Weste End Cons. Mining Co.,

Tonopah, Nev.

Shipped from Mina, Nev.

Mine Mabel

Mine Lot 27

Class Crude Smelter Lot

Received

Sampled 4/27 Sampled by

Assayed

E. &amp; M. J. P. Metal

Silver 4/28 64.38 Lead 4/23 8.083 Copper

(Average for week ending)

Quotations for

(Date mentioned)

(Average for week ending)

| ASSAYS     | COPPER | LEAD | SILVER | GOLD   | INSOLUBLE | IRON | SULPHUR | LIME | ZINC | MANGANESE | SPEISS |
|------------|--------|------|--------|--------|-----------|------|---------|------|------|-----------|--------|
| I. S. CO.  | Tr     | 9.6  | 73.9   | 1.265  | 71.4      | 5.7  | .6      |      | .5   |           | .5     |
| MINING CO. |        | 10.1 | 73.7   | 1.270  | 70.8      | 6.3  | .5      |      | Nil  |           |        |
| UMPIRE     |        |      |        |        |           |      |         |      |      |           |        |
| SETTLEMENT | Tr     | 9.85 | 73.8   | 1.2675 | 71.1      | 6.0  | .55     |      | .25  |           | .5     |

## VALUES PER TON

## TREATMENT

Copper, Less

@

Lead

90% @ .06433

Silver

100% @ .64375

Gold

@ 19.00

11 406

47 509

24 083

82 998

Less Treatment

Net Value Per Ton

11 765

71 233

Base

Chg. Pb under 30% @ .10

Insoluble

% @ .10

Sulphur

% @

Zinc

% @

Speiss

% @

Iron

% @ .06

Lime

% @

Manganese

% @

Net Treatment

3 000

2 015

5 015

7 110

12 125

360

11 765

| INITIAL          | CAR NUMBER | WEIGHT | PAYMENT                            |              |         |
|------------------|------------|--------|------------------------------------|--------------|---------|
| UP               | 130104     | 94220  | 46.667 Tons @ 71.233 Per Ton       | 334 48       | 3324 23 |
|                  |            |        | Freight @ 7.10 (R. R. Value 68.04) |              | 110 86  |
|                  |            |        | 5% of value of Ag                  |              |         |
|                  |            |        | Black & Deason, Assaying           | 5 00         |         |
|                  |            |        | Ed Dalton, Rep. (dft. 12094)       | 3 00         |         |
| Total Wet Weight |            | 94220  |                                    | 342 48       | 3213 37 |
| Moisture .94 %   |            |        |                                    |              |         |
| Dry Weight       |            | 93334  |                                    |              | 2870 89 |
|                  |            |        | Paid by Draft No. 12093            |              |         |
|                  |            |        |                                    | Total        |         |
|                  |            |        |                                    | Net Proceeds |         |

An extra charge made for sampling all lots less than carload.

Rates, except on contracts for specified time or specified tonnage, subject to change without notice.

INTERNATIONAL SMELTING COMPANY

Hauling to Mina 329.70  
 Royalty and Amort 2540.99  
 Banking Corporation as agent 1270.50  
 J. E. WHITEHILL 1270.49

Ore Purchasing Agent



## BLACK &amp; DEASON

ASSAYERS AND CHEMISTS

165 SOUTH WEST TEMPLE STREET

SALT LAKE CITY, UTAH, May. 1st, 1924

Otto Falk, Chief Clerk,  
West End Con. Mining Co.  
Tonopah, Nevada.

Dear Sir:-

Having to work quite late last evening I put off getting your telegram ready as it would not go out until after midnight anyway but unfortunately forgot it until after I had gone to bed about half past twelve. Getting up I wrote out on an old envelope the telegram I wanted to send you and telephoned it to the Western Union. Not wanting any mistake I asked the young man to read it back to me and instead of one twenty seven he read one two seven silver seven three seven lead one 0 one and I said no I want it as I read it to you, one twenty seven, seventy three seven, ten one and he said Oh all right.

Getting uneasy this morning I went to the main office and asked to see the telegram which had been sent and found he had sent just what I told him not to. I called out the Div. Mgr. and seeing what had been sent and what I had written he said they would correct it at their expense immediately.

The International is continuing to take extra care with your sampling but in spite of their care some of their re-sampling after settlement has run lower, that is in the majority of cases it has to such an extent that it is attracting their attention.

Very truly yours,

Wm A Black



165 S. WEST TEMPLE ST.

CERTIFICATE OF ASSAY

TELEPHONE WAS. 1214

BLACK & DEASON

ASSAYERS AND CHEMISTS

NAME **West End Con.**

SALT LAKE CITY, UTAH, **April 30th, 1924**

LOT NO. **7**

SAMPLED BY **International**

ASSAY PER TON OF 2,000 POUNDS

| GOLD—Ozs.   | SILVER—Ozs. | LEAD—%      | COPPER—%   | SPEISS—% | SILICA—%    |
|-------------|-------------|-------------|------------|----------|-------------|
| <b>1.27</b> | <b>73.7</b> | <b>10.1</b> |            |          |             |
| INSOLUBLE—% | ZINC—%      | SULPHUR—%   | IRON—%     | LIME—%   | MANGANESE—% |
| <b>70.8</b> | <b>None</b> | <b>0.5</b>  | <b>6.3</b> |          |             |

CHARGE, \$ \_\_\_\_\_

*Black & Deason* ASSAYERS





165 S. WEST TEMPLE ST.

## CERTIFICATE OF ASSAY

TELEPHONE WAS. 1214

## BLACK &amp; DEASON

ASSAYERS AND CHEMISTS

SALT LAKE CITY, UTAH, April 30th, 1924

NAME **West End Con.**LOT NO. **7**SAMPLED BY **International**

ASSAY PER TON OF 2,000 POUNDS

| GOLD—Ozs.   | SILVER—Ozs. | LEAD—%      | COPPER—%   | SPEISS—% | SILICA—%    |
|-------------|-------------|-------------|------------|----------|-------------|
| <b>1.27</b> | <b>73.7</b> | <b>10.1</b> |            |          |             |
| INSOLUBLE—% | ZINC—%      | SULPHUR—%   | IRON—%     | LIME—%   | MANGANESE—% |
| <b>70.8</b> | <b>None</b> | <b>0.5</b>  | <b>6.3</b> |          |             |

CHARGE, \$ \_\_\_\_\_

*Black & Deason* ASSAYERS

## BLACK &amp; DEASON

ASSAYERS AND CHEMISTS

165 SOUTH WEST TEMPLE STREET

SALT LAKE CITY, UTAH. Mar 26th, 1924

Otto Falk, Chief Clerk,  
West End Con. Mining Co.  
Tonopah, Nevada.

Dear Sir:-

I did not include in my telegram to you the fact that I intended to repeat the silver. In order to avoid repeating as much as possible on your ore I run two sets of three each at different times. One set checked nicely and ran 112.0 while the other set only ran 111.3 but as it did not check so well I thought we could check the 112.0 but really only got 111.7 on the repeat, almost an exact average of the first two sets.

Generally speaking a wet on the fire button running from 1.2 to 1.5 below the wet on the ore is considered about right but on your ore we quite often do better than that. Our wet on this lot was 12.9, our fire 12.8 and our wet on the 12.8 fire lead was 11.8. I believe we have made some of the wet on the fires less than 1.0 below the wet on ~~the~~ one or two of your lots.

This lot should really have gone to Cowan instead of the Union. There has been a change at the International, in the matter of clerks and the only thing on their umpire list showing was that each of the three umpires had had one and as the International generally picks the Union first ~~and~~ it did not occur to me until afterwards that I had picked the umpire list and asked to have the first one sent to Cowan. I felt like kicking myself as naturally I would rather have had Cowan.

Very truly yours,

*Wm A Black*



# West End Consolidated Mining Company

## DAILY ASSAY REPORT

Silver @ \$0 65

Tonopah, Nevada, March 8-24 192

| Sample<br>Number | WORKING PLACE                        | GOLD   |       | SILVER |       | TOTAL<br>VALUE | REMARKS    |
|------------------|--------------------------------------|--------|-------|--------|-------|----------------|------------|
|                  |                                      | Ounces | Value | Ounces | Value |                |            |
| 643              | Mabel 3-7-24<br>Control Check Lot 26 | 1.13   | 22.60 | 107.30 | 69.50 | 92.10          | PB. 12.1 % |
|                  |                                      |        |       |        |       | 16.80          |            |
|                  |                                      |        |       |        |       | 108.90         |            |

OK.  
2407  
16.80

J. P. M.

Assayer

# INTERNATIONAL SMELTING COMPANY

## TOOELE PLANT

### ASSAY CERTIFICATE

Name West End
 CLASS Crude SMELTER LOT 17357 MINE LOT 6 Date March 21, 1924 1924

| PER CENT<br>COPPER | PER CENT<br>LEAD | PER TON OF 2,000 LBS. |           | PER CENT<br>SiO <sub>2</sub> | PER CENT<br>INSOL. | PER CENT<br>Fe | PER CENT<br>S | PER CENT<br>CaO | PER CENT<br>Zn | PER CENT<br>Mn | PER CENT<br>SPEISS | PER CENT |
|--------------------|------------------|-----------------------|-----------|------------------------------|--------------------|----------------|---------------|-----------------|----------------|----------------|--------------------|----------|
|                    | WET              | OZS. SILVER           | OZS. GOLD |                              |                    |                |               |                 |                |                |                    |          |
|                    | 12.3             |                       |           |                              |                    |                |               |                 |                |                |                    |          |
|                    | FIRE             |                       |           |                              |                    |                |               |                 |                |                |                    |          |
|                    |                  |                       |           |                              |                    |                |               |                 |                |                |                    |          |
|                    | WET ON FIRE      |                       |           |                              |                    |                |               |                 |                |                |                    |          |
| 0.35               | 10.9             | 111.20                | 1.41      |                              | 66.9               | 6.9            | 1.4           |                 | 0.5            |                | nil                |          |

Blach & Deussen

*H. D. Johnson*  
CHIEF CHEMIST



INTERNATIONAL SMELTING CO.  
TOOELE PLANT

43022

MOISTURE REPORT

DATE 3-19 1924

SHIPPER

West End Lumber Co.

CAR No.

17357

LOT No.

- 6

MOISTURE

1.80

1.80

..

..

..

..

..

..

..

..

..

TOTAL MOISTURES

3.60

AVERAGE MOISTURE

1.98

SAMPLER

REJECT

| CLASS OF SERVICE  |  |
|---|--|
| Telegram  |  |
| Day Letter  |  |
| Night Message   |  |
| Night Letter  |  |
| If no class of service is designated the message will be transmitted as a full-rate telegram. |  |

# COPY OF WESTERN UNION TELEGRAM

Salt Lake Mar. 21st, 1924

West End Con. Mining Co.  
Tonopah, Nevada.

Lot six gold one point forty two silver one hundred twelve  
wet lead twelve nine. Holding for release.

Black & Deason

Collect  
(Black & Deason  
165 So W. Temple)



March 8, 1924.

Black & Deason,  
165 S. West Temple St.,  
Salt Lake City, Utah.

Gentlemen:-

We have shipped to the International  
Smelter at International, Utah, car SP-17357  
containing ore from our Mabel Mine.

Will you please watch the sampling  
of this ore for us the same as heretofore.

Very truly yours,

CHIEF CLERK

OF:G



## INTERNATIONAL SMELTING COMPANY

TOOELE PLANT

PURCHASING DEPARTMENT

Salt Lake City, Utah, Mar. 26, 1924.

Bought of West End Cons. Mining Co.

Tonapah, Nevada

Shipped from Mina, Nevada.

Mine Mabel

Mine Lot

6

Class Crude. Smelter Lot 5128

Received

Sampled

3/19

Sampled by

Assayed

E. & M. J. P. Metal  
Quotations for

Silver 63 7/8

(Date mentioned)

Lead 3/12 9.017 Copper

(Average for week ending)

(Average for week ending)

| ASSAYS     | COPPER | LEAD | SILVER | GOLD  | INSOLUBLE | IRON | SULPHUR | LIME | ZINC | MANGANESE | SPEISS |
|------------|--------|------|--------|-------|-----------|------|---------|------|------|-----------|--------|
| I. S. CO.  | .35    | 10.9 | 111.2  | 1.41  | 66.9      | 6.9  | 1.4     |      | .5   |           | N11    |
| MINING CO. |        | 11.8 | 111.7  | 1.42  | 66.0      | 7.6  | .8      |      | .2   |           |        |
| UMPIRE U   |        | 11.3 |        |       |           |      |         |      |      |           |        |
| SETTLEMENT | .35    | 11.3 | 111.45 | 1.415 | 66.45     | 7.25 | 1.1     |      | .35  |           |        |

## VALUES PER TON

## TREATMENT

Copper, Less

@

Lead

90% @

.07367

Silver

100% 95% @

.63875

Gold

@

19.00

14 984

71 189

26 885

113 058

Base

Chg. Pb under 30% @ .10

Insoluble

% @ .10

Sulphur

% @

Zinc

% @

Speiss

% @

Iron

% @ .06

Lime

% @

Manganese

% @

Less Treatment

Net Value Per Ton

11 080

101 978

Net Treatment

3 000

1 870

4 870

6 645

11 515

435

11 080

| INITIAL          | CAR NUMBER | WEIGHT | PAYMENT                             |        |         |
|------------------|------------|--------|-------------------------------------|--------|---------|
| SP               | 17357      | 95860  | 46.981 Tons @ 101.978 Per Ton       |        | 4791 03 |
|                  |            |        | Freight @ 9.20 (R. R. Value 96.20 ) | 440 96 |         |
|                  |            |        | 5% of value of Ag                   |        | 167 23  |
|                  |            |        | Union Assay Office, Umpire          | 5 00   |         |
|                  |            |        | Black & Deason, Assaying            | 5 00   |         |
|                  |            |        | Ed Dalton, Rep. (dft. 11958)        | 3 00   |         |
| Total Wet Weight |            | 95860  |                                     |        |         |
| Moisture 1.98 %  |            |        |                                     |        |         |
| Dry Weight       |            | 93962  |                                     |        |         |
|                  |            |        | Paid by Draft No. 11957             |        |         |
|                  |            |        | Total                               | 453 96 | 4623 80 |
|                  |            |        | Net Proceeds                        |        | 4169 84 |

An extra charge made for sampling all lots less than carload.

Rates, except on contracts for specified time or specified tonnage, subject to change without notice.

Hauling to Mina  
 INTERNATIONAL SMELTING COMPANY  
 Royalty Paid Tonapah Banking  
 Corporation as per agreement  
 Ore Purchasing Agent



# INTERNATIONAL SMELTING COMPANY

Copy of  
Settlement  
Sheet

Mabel Lot No. 26

Salt Lake City, Utah  
March 23, 1924

Mine Mabel  
Class Crude

Mine Lot 6  
Smelter Lot 3128

Shipped from Mina, Nev.

Sampled 3/19  
Silver .63-7/8

Lead 3/12 9.017

| Assays     | Copper | Lead | Silver | Gold  | Insoluble | Iron | Sulphur | Lime | Zinc | Mang. | Speiss |
|------------|--------|------|--------|-------|-----------|------|---------|------|------|-------|--------|
| I.S.Co.    | .35    | 10.9 | 111.2  | 1.41  | 66.9      | 6.9  | 1.4     |      | .5   |       | Nil    |
| Mining Co. |        | 11.3 | 111.7  | 1.42  | 66.0      | 7.6  | .8      |      | .2   |       |        |
| Umpire U   |        | 11.3 |        |       |           |      |         |      |      |       |        |
| Settlement | .35    | 11.3 | 111.45 | 1.415 | 66.45     | 7.25 | 1.1     |      | .35  |       |        |

## VALUES PER TON

## TREATMENT

|                   |        |         |  |                     |       |        |
|-------------------|--------|---------|--|---------------------|-------|--------|
| Copper, Less      |        |         |  | Base                |       | 3.000  |
| Lead 90% @        | .07367 | 14.984  |  | Chg. Pb under 30% @ | .10   | 1.870  |
| Silver 100% @     | .63875 | 71.189  |  |                     |       |        |
| Gold @            | 19.00  | 26.885  |  |                     |       | 4.870  |
|                   |        | 113.058 |  | Insoluble           | @ .10 | 6.645  |
|                   |        |         |  | Sulphur             | @     |        |
|                   |        |         |  | Zinc                | @     |        |
|                   |        |         |  | Speiss              | @     |        |
|                   |        |         |  |                     |       | 11.515 |
|                   |        |         |  | Iron                | @ .06 | .435   |
|                   |        |         |  | Lime                | @     |        |
|                   |        |         |  | Manganese           | @     |        |
| Less Treatment    |        | 11.080  |  | Net Treatment       |       | 11.080 |
| Net Value per Ton |        | 101.978 |  |                     |       |        |

|                  |         |        |                                 |        |         |
|------------------|---------|--------|---------------------------------|--------|---------|
| Initial          | Car No. | Weight |                                 |        |         |
| SP               | 17357   | 95860  | 46.981 Tons @ 101.978 Per ton   |        | 4791.03 |
|                  |         |        | Frt. @ 9.20 (R.R. Value 96.20)  | 440.96 |         |
|                  |         |        | 5% of value of Ag               |        | 167.23  |
|                  |         |        | Union Assay Office, Umpire      | 5.00   |         |
|                  |         |        | Black & Deason, Assaying        | 5.00   |         |
|                  |         |        | Ed Dalton, Rep. (dft. 11958)    | 3.00   |         |
| Total Wet Weight | 95860   |        | TOTAL                           | 453.96 | 4623.80 |
| Moisture 1.98%   |         |        |                                 |        |         |
| Dry Weight       | 93962   |        | Paid by Draft No. 11957         |        | 4169.84 |
|                  |         |        | Net Proceeds                    |        | 535.30  |
|                  |         |        | Hauling to Mina                 |        | 3834.54 |
|                  |         |        | Royalty paid to Tonopah Banking |        | 1917.27 |
|                  |         |        | Corp. as per agreement          |        | 1917.27 |



## UNION ASSAY OFFICE, INC.

M. S. HANAUER, PRES.

J. V. SADLER, V.-PRES &amp; TREAS.

A. C. SELBY, SEC'Y

SALT LAKE CITY, UTAH.

Mine West End

## RESULTS PER TON OF 2000 POUNDS.

March 25th, 1924-

| LOT | CLASS     | GOLD<br>Ozs. per Ton | SILVER<br>Ozs. per Ton | LEAD<br>Per Cent. | COPPER<br>Per Cent.<br>Wet | INSOL.<br>Per Cent. | ZINC<br>Per Cent. | SULPHUR<br>Per Cent. | SPEISS<br>Per Cent. | IRON<br>Per Cent. | LIME<br>Per Cent. | MANGANESE<br>Per Cent. | Per Cent. |
|-----|-----------|----------------------|------------------------|-------------------|----------------------------|---------------------|-------------------|----------------------|---------------------|-------------------|-------------------|------------------------|-----------|
| 6-  | Car 17357 |                      |                        | 11.3              |                            |                     |                   |                      |                     |                   |                   |                        |           |

Remarks

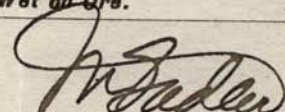
Lead reported as:

Fire Assay.

## Wet on Button.

Wet on Ore.

Less Copper

Sampled by I.S. Co.Charges \$ 5.00






3128

## COPY-FREIGHT BILL

3/27/24

CONSIGNEE INTERNATIONAL SMELTING COMPANY

INTERNATIONAL, UT

STATION 19

FREIGHT 914

BILL NO.

DESTINATION INTERNATIONAL UTAH, Un Pac Warner

ROUTE

(Point of Origin to Destination)

TO TOOELE VALLEY RAILWAY CO., DR., For Charges on Articles Transported:

|                                 |                                      |  |                                  |
|---------------------------------|--------------------------------------|--|----------------------------------|
| Way-Billed From<br>Mina, Nevada | Way-Bill Date and No.<br>3/8/24 SP-1 | Full Name of Shipper<br>West End Cons Mng Co | Car Initials and No.<br>SP 17357 |
| Point and Date of Shipment      | Connecting Line Reference            | Previous Way-Bill References                 | Original Car Initials and No.    |

| NUMBER OF PACKAGES, ARTICLES AND MARKS | WEIGHT | RATE | FREIGHT | ADVANCES | TOTAL |
|--|--------|------|---------|----------|-------|
| CRUDE ORE MINE LOT 6<br>VALUE \$96.20  | 95860  | 9.20 | 440.96  |          |       |
| *TOTAL PREPAID \$                      |        |      |         |          |       |

COPY

TOTAL

440.96

\*For use at junction points on freight subject to connecting line settlement.

ALL FREIGHT WILL BE SUBJECT TO DEMURRAGE OR STORAGE CHARGES, OR BOTH, AS PROVIDED IN THE



165 S. WEST TEMPLE ST.

CERTIFICATE OF ASSAY

TELEPHONE WAS. 1214

11735  
**BLACK & DEASON**

ASSAYERS AND CHEMISTS

NAME **West End Con.**

SALT LAKE CITY, UTAH, **Mar. 21st, 1924**

LOT NO. **6**

SAMPLED BY **International**

ASSAY PER TON OF 2,000 POUNDS

| GOLD—OZS.   | SILVER—OZS.  | LEAD—%      | COPPER—%   | SPEISS—% | SILICA—%    |
|-------------|--------------|-------------|------------|----------|-------------|
| <b>1.42</b> | <b>111.7</b> | <b>11.8</b> |            |          |             |
| INSOLUBLE—% | ZINC—%       | SULPHUR—%   | IRON—%     | LIME—%   | MANGANESE—% |
| <b>66.0</b> | <b>0.2</b>   | <b>0.8</b>  | <b>7.6</b> |          |             |

CHARGE, \$ \_\_\_\_\_

*Black & Deason*

ASSAYERS

| CLASS OF SERVICE DESIRED |   |
|--------------------------|---|
| Telegram                 | X |
| Day Letter               |   |
| Night Message            |   |
| Night Letter             |   |

Patrons should mark an X opposite the class of service desired; OTHERWISE THE MESSAGE WILL BE TRANSMITTED AS A FULL-RATE TELEGRAM

# WESTERN UNION TELEGRAM

NEWCOMB CARLTON, PRESIDENT

GEORGE W. E. ATKINS, FIRST VICE-PRESIDENT

|                |
|----------------|
| Receiver's No. |
| Check          |
| Time Filed     |

Send the following message, subject to the terms  
on back hereof, which are hereby agreed to

TONOPAH, NEVADA

MARCH 22, 1924.

BLACK & DEASON,  
165 SOUTH WEST TEMPLE ST.,  
SALT LAKE CITY, UTAH

YOUR WIRE TWENTY FIRST RELEASE MABEL LOT SIX

WEST END CONS. MINING CO

CHARGE: WEST END



| CLASS OF SERVICE | SYMBOL |
|------------------|--------|
| Telegram         |        |
| Day Letter       | Blue   |
| Night Message    | Nite   |
| Night Letter     | N L    |

If none of these three symbols appears after the check (number of words) this is a telegram. Otherwise its character is indicated by the symbol appearing after the check.

# WESTERN UNION TELEGRAM

NEWCOMB CARLTON, PRESIDENT

GEORGE W. E. ATKINS, FIRST VICE-PRESIDENT

| CLASS OF SERVICE | SYMBOL |
|------------------|--------|
| Telegram         |        |
| Day Letter       | Blue   |
| Night Message    | Nite   |
| Night Letter     | N L    |

If none of these three symbols appears after the check (number of words) this is a telegram. Otherwise its character is indicated by the symbol appearing after the check.

RECEIVED AT TONOPAH, NEV.

40F RA 19 COLLECT NITE

SALT LAKE CITY UTAH MAR 21 1924

WEST END CONS MINING CO

F06

TONOPAH NEV

LOT SIX GOLD ONE POINT FORTY TWO SILVER ONE HUNDRED TWELVE WET LEAD  
TWELVE NINE HOLDING FOR RELEASE

BLACK AND DEASON

815P

AmAg9B

|            |      |        |      |
|------------|------|--------|------|
| Control    | 1.42 | 112.00 | 12.9 |
| Average    | 1.34 | 108.94 | 12.7 |
| Car Sample | 1.13 | 107.30 | 12.1 |

Reboard 3/22/24

## COPY-FREIGHT BILL

3267  
 CONSIGNEE INTERNATIONAL SMELTING COMPANY  
 DESTINATION INTERNATIONAL, UTAH  
 ROUTE (Point of Origin to Destination)  
 TO TOOELE VALLEY RAILWAY CO., DR., For Charges on Articles Transported:

5/5/24  
 STATION 19  
 FREIGHT BILL NO. 1398

|                                  |                                       |  |                                   |
|----------------------------------|---------------------------------------|--|-----------------------------------|
| Way-Billed From<br>Mina, Nevada. | Way-Bill Date and No.<br>4/17/24 SP 4 | Full Name of Shipper<br>West End Cons Mng Co | Car Initials and No.<br>UP 130104 |
| Point and Date of Shipment       | Connecting Line Reference             | Previous Way-Bill References                 | Original Car Initials and No.     |

| NUMBER OF PACKAGES, ARTICLES AND MARKS         | WEIGHT | RATE | FREIGHT | ADVANCES | TOTAL  |
|--|--------|------|---------|----------|--------|
| C/L CRUDE ORE MINE LOT 27<br><br>Value \$68.04 | 94220  | 7.10 | 334.48  |          |        |
| *TOTAL PREPAID \$                              |        |      |         |          |        |
| TOTAL  |        |      |         |          | 334.48 |

COPY

\*For use at junction points on freight subject to connecting line settlement.

ALL FREIGHT WILL BE SUBJECT TO DEMURRAGE OR STORAGE CHARGES, OR BOTH AS PROVIDED IN PUBLISHED TARIFFS



| CLASS OF SERVICE DESIRED |                                     |
|--------------------------|-------------------------------------|
| Telegram                 | <input checked="" type="checkbox"/> |
| Day Letter               | <input type="checkbox"/>            |
| Night Message            | <input type="checkbox"/>            |
| Night Letter             | <input type="checkbox"/>            |

Patrons should mark an X opposite the class of service desired: OTHERWISE THE MESSAGE WILL BE TRANSMITTED AS A FULL-RATE TELEGRAM

# WESTERN UNION TELEGRAM

NEWCOMB CARLTON, PRESIDENT

GEORGE W. E. ATKINS, FIRST VICE-PRESIDENT

|                |
|----------------|
| Receiver's No. |
| Check          |
| Time Filed     |

Send the following message, subject to the terms  
on back hereof, which are hereby agreed to

TONOPAH, NEVADA

MAY 11, 1924

BLACK & DEASON,  
165 S. WEST TEMPLE ST.,  
SALT LAKE CITY, UTAH

YOU MAY RELEASE LOT SEVEN

WEST END CONS. MINING CO.

CHARGE: WEST END



## INTERNATIONAL SMELTING COMPANY

TOOELE PLANT

Salt Lake City, Utah, April 14, 1925

*Bought of* West End Consolidated Mining Co.  
Tonapah, Nevada

Shipped from Mina, Nevada

Mine Mabel

Mine Lot 5

Class Crude

Smelter Lot 3049

Received

Sampled 2-24

Sampled by

Assayed

E. &amp; M. J. P. Metal Silver 2-25 64 1/8 Lead 2-20 8.325

Copper

Zinc

Quotations for

(Date mentioned)

(Average for week ending)

(Average for week ending)

(Average for week ending)

| ASSAYS     | COPPER | LEAD  | ZINC | SILVER | GOLD  | INSOLUBLE               | IRON | SULPHUR | LIME | MANGANESE | SPEISS |
|------------|--------|-------|------|--------|-------|-------------------------|------|---------|------|-----------|--------|
| I. S. CO.  | .2     | 10.4  | .5   | 124.6  | 1.615 | 70.6                    | 5.3  | 1.4     |      |           | Nil    |
| MINING CO. |        | 10.9  | .2   | 125.55 | 1.65  | <del>69.8</del><br>69.8 | 6.4  | .6      |      |           |        |
| UMPIRE C   |        |       |      | 125.28 | 1.636 |                         |      |         |      |           |        |
| SETTLEMENT | .2     | 10.65 | .55  | 125.28 | 1.636 | 70.2                    | 6.1  | 1.0     |      |           |        |

## VALUES PER TON

## TREATMENT

Copper, Less

@

Lead, " 90% @ .06975

Zinc @

Silver 100 95% @ .64125

Gold @ 19.00

Less Treatment

Net Value Per Ton

Base

Chg. Pb under 30% @ .10

Insoluble % @ .10

Sulphur % @

Zinc % @

Speiss % @

Iron % @ .06

Lime % @

Manganese % @

Net Treatment

3 000

1 935

4 955

7 020

11 955

366

11 689

13 371

80 336

31 084

124 791

11 689

113 202

| INITIAL          | CAR NUMBER | WEIGHT | PAYMENT                              |                   |                    |
|------------------|------------|--------|--------------------------------------|-------------------|--------------------|
| HAUP             | 136611     | 89960  | 45.6055 Tons @ 113.202 Per Ton       | <del>496 58</del> | 4936 23            |
|                  | Sacks      | 80     | Freight @ 11.04 (R. R. Value 105.67) |                   |                    |
|                  |            |        | 5% of value of Ag                    |                   | 175 15             |
|                  |            |        | Ed Dalton Rept. (Dft. 11878)         | 3 00              |                    |
|                  |            |        | Black & Deason, assaying             | 5 00              |                    |
|                  |            |        | Prepaid frt. on sacks returned       | 81                |                    |
|                  |            |        | Paid by (Dft. 11877)                 | 4154 04           |                    |
| Total Wet Weight |            | 89880  |                                      |                   | 4761 08            |
| Moisture 2.97 %  |            |        |                                      | 4659 43           | <del>4761 08</del> |
| Dry Weight       |            | 87211  | Paid by Draft No. 15944              | Net Proceeds      | 101 65             |

An extra charge made for sampling all lots less than carload.

RG

Rates, except on contracts for specified time or specified  
tonnage, subject to change without notice.

CORRECTED



## INTERNATIONAL SMELTING COMPANY

TOOELE PLANT

Salt Lake City, Utah, April 14, 1925

Bought of West End Consolidated Mining Co.  
Tonapah, Nevada

Shipped from Mina, Nevada

Mine Mabel

Mine Lot 5

Class Crude

Smelter Lot 3049

Received

Sampled 2-24

Sampled by

Assayed

E. &amp; M. J. P. Metal Silver 2-25 64 1/8 Lead 2-20 8.625

Copper

Zinc

Quotations for

(Date mentioned)

(Average for week ending)

(Average for week ending)

(Average for week ending)

| ASSAYS     | COPPER | LEAD  | ZINC | SILVER | GOLD  | INSOLUBLE | IRON | SULPHUR | LIME | MANGANESE | SPEISS |
|------------|--------|-------|------|--------|-------|-----------|------|---------|------|-----------|--------|
| I. S. CO.  | .2     | 10.4  | .5   | 124.6  | 1.615 | 70.6      | 5.0  | 1.4     |      |           | Nil    |
| MINING CO. |        | 10.9  | .5   | 125.55 | 1.65  | 69.8      | 6.4  | .6      |      |           |        |
| UMPIRE C   |        |       |      | 125.28 | 1.636 |           |      |         |      |           |        |
| SETTLEMENT | .2     | 10.65 | .55  | 125.28 | 1.636 | 70.2      | 6.1  | 1.0     |      |           |        |

## VALUES PER TON

## TREATMENT

Copper, Less

@

Base

3 000

Lead, "

90% @ .06975

13 371

Chg. Pb under 30% @ .10

1 935

Zinc

@

Silver

100 95% @ .64125

80 336

4 935

Gold

@

19.00

31 084

Insoluble % @ .10

7 020

Sulphur

% @

Zinc

% @

Speiss

% @

11 955

Less Treatment

11 589

Iron

% @ .06

Lime

% @

Manganese

% @

366

Net Value Per Ton

113 202

Net Treatment

11 589

| INITIAL          | CAR NUMBER | WEIGHT | PAYMENT                              |                   |         |
|------------------|------------|--------|--------------------------------------|-------------------|---------|
| HAUP             | 136611     | 89960  | 43.6055 Tons @ 113.202 Per Ton       | <del>436.50</del> | 4936 25 |
|                  | Sacks      | 80     | Freight @ 11.04 (R. R. Value 105.67) | 496 58            |         |
|                  |            |        | 5% of value of Ag                    |                   | 175 15  |
|                  |            |        | Ed Dalton Rept. (Dft. 11878)         | 3 00              |         |
|                  |            |        | Black & Deason, assaying             | 5 00              |         |
|                  |            |        | Prepaid frt. on sacks returned       | 81                |         |
|                  |            |        | Paid by (Dft. 11877)                 | 4154 04           |         |
| Total Wet Weight |            | 89880  |                                      |                   |         |
| Moisture 2.97 %  |            |        |                                      |                   |         |
| Dry Weight       |            | 87211  |                                      |                   |         |
|                  |            |        | Paid by Draft No. 13944              |                   |         |
|                  |            |        | Total                                | 4653 43           | 4761 08 |
|                  |            |        | Net Proceeds                         |                   | 4761 08 |
|                  |            |        |                                      |                   | 101 65  |

An extra charge made for sampling all lots less than carload.

RG

Rates, except on contracts for specified time or specified tonnage, subject to change without notice.

CORRECTED



## INTERNATIONAL SMELTING COMPANY

TOOELE PLANT

Salt Lake City, Utah, April 14, 1925

Bought of West End Consolidated Mining Co.  
Tonapah, Nevada

Shipped from Mina, Nevada

Mine Mabel

Mine Lot 5

Class Crude

Smelter Lot 3049

Received

Sampled 2-24

Sampled by

Assayed

E. &amp; M. J. P. Metal Silver 2-25 64 1/8 Lead 2-20 8.625

Copper

Zinc

Quotations for

(Date mentioned)

(Average for week ending)

(Average for week ending)

(Average for week ending)

| ASSAYS     | COPPER | LEAD  | ZINC | SILVER | GOLD  | INSOLUBLE | IRON | SULPHUR | LIME | MANGANESE | SPEISS |
|------------|--------|-------|------|--------|-------|-----------|------|---------|------|-----------|--------|
| I. S. CO.  | .2     | 10.4  | .5   | 124.6  | 1.615 | 70.6      | 5.3  | 1.4     |      |           | Nil    |
| MINING CO. |        | 10.9  | .2   | 125.55 | 1.65  | 69.8      | 6.4  | .6      |      |           |        |
| UMPIRE     |        |       |      | 125.28 | 1.636 |           |      |         |      |           |        |
| SETTLEMENT | .2     | 10.65 | .55  | 125.28 | 1.636 | 70.2      | 6.1  | 1.0     |      |           |        |

## VALUES PER TON

## TREATMENT

Copper, Less

@

Lead, "

90% @

Zinc

@

Silver

100 95% @ .64125

Gold

@

Less Treatment

Net Value Per Ton

13 371

80 336

51 084

124 791

11 589

113 202

Base

Chg. Pb under 30% @ .10

Insoluble

% @ .10

Sulphur

% @

Zinc

% @

Speiss

% @

Iron

% @ .03

Lime

% @

Manganese

% @

Net Treatment

3 000

1 935

4 935

7 020

11 955

366

11 589

INITIAL CAR NUMBER WEIGHT

PAYMENT

H&amp;UP

136611

89960

43.6055

Tons @ 115.202 Per Ton

Freight @ 11.04

(R. R. Value 105.67)

5% of value of Ag

Ed Dalton Rept. (Dft. 11878)

Black &amp; Deason, assaying

Prepaid frt. on sacks returned

Paid by (Dft. 11877)

Total Wet Weight

89960

Moisture

2.97 %

Dry Weight

87211

Paid by Draft No.

15944

Total

Net Proceeds

43.6055

496 58

175 15

3 00

5 00

81

4154 04

4936 23

An extra charge made for sampling all lots less than carload.

RG

Rates, except on contracts for specified time or specified  
tonnage, subject to change without notice.

CORRECTED



Feb. 15, 1924.

International Smelting & Refining Co.,  
618 Kearns Bldg.,  
Salt Lake City, Utah.

Gentlemen:-

Enclosed is Bill of Lading covering shipment to you on February 13th from our Mabel Mine at Mina, Nevada, one carload of ore in car UP-136611.

Black & Deason, who have heretofore watched the sampling of this ore for us, will also this time. In making returns, please send us four copies of settlement sheets.

Very truly yours,

CHIEF CLERK

OF:G

# INTERNATIONAL SMELTING COMPANY

TOOELE PLANT

## ASSAY CERTIFICATE

Name West EndCLASS CrudeSMELTER  
LOTCar  
136611MINE  
LOT5Date Feb. 27, 1924192

| PER CENT<br>COPPER | PER CENT<br>LEAD | PER TON OF 2,000 LBS. |           | PER CENT<br>SiO <sub>2</sub> | PER CENT<br>INSOL. | PER CENT<br>Fe | PER CENT<br>S | PER CENT<br>CaO | PER CENT<br>Zn | PER CENT<br>Mn | PER CENT<br>SPEISS | PER CENT |
|--------------------|------------------|-----------------------|-----------|------------------------------|--------------------|----------------|---------------|-----------------|----------------|----------------|--------------------|----------|
|                    |                  | OZS. SILVER           | OZS. GOLD |                              |                    |                |               |                 |                |                |                    |          |
|                    | WET              |                       |           |                              |                    |                |               |                 |                |                |                    |          |
|                    | 11.7             |                       |           |                              |                    |                |               |                 |                |                |                    |          |
|                    | FIRE             |                       |           |                              |                    |                |               |                 |                |                |                    |          |
|                    |                  |                       |           |                              |                    |                |               |                 |                |                |                    |          |
|                    | WET ON FIRE      |                       |           |                              |                    |                |               |                 |                |                |                    |          |
| 0.20               | 10.4             | 124.60                | 1.615     |                              | 70.6               | 5.8            | 1.4           |                 | 0.5            |                | nil                |          |

*Black & Alcazon*

*[Signature]*  
CHIEF CHEMIST



INTERNATIONAL SMELTING CO.

TOOELE PLANT

42349

## MOISTURE REPORT

DATE 2-24 1924

SHIPPER

West End Lumber Co.

CAR No.

136611

LOT No.

-5

MOISTURE

2.70

"

2.70

"

"

"

"

"

"

"

"

TOTAL MOISTURES

5.40

AVERAGE MOISTURE

2.97

SAMPLER

REJECT

Feb. 15, 1924.

Black & Deason,  
165 S. West Temple St.,  
Salt Lake City, Utah.

Gentlemen:-

We have shipped on February 13th  
to the International Smelter at International,  
Utah, car UP-136611 containing ore from our  
Mabel Mine at Mina, Nevada. Will you please  
watch the sampling of this ore for us as  
heretofore?

Very truly yours,

CHEF CLERK

OF:G





CERTIFICATE OF ASSAY  
CUSTOM ASSAY OFFICE AND CHEMICAL LABORATORY OF

**C. S. COWAN**

160 S. WEST TEMPLE ST.

MARKED West End Cons Mng Co. CLASS Crude

LOT 5 LBS. \_\_\_\_\_ SAMPLED BY International S. Co

RESULTS PER TON OF 2,000 POUNDS

| OZS. GOLD     | OZS. SILVER        | Per cent LEAD* | Per cent COPPER  |  |  |
|---------------|--------------------|----------------|------------------|--|--|
| 1.636         | 125.28             |                |                  |  |  |
| Per cent IRON | Per cent I. SILICA | Per cent ZINC  | Per cent SULPHUR |  |  |
|               |                    |                |                  |  |  |

STRAIGHT FIRE

WET ON FIRE

COPPER OUT

WET ON ORE

**UMPIRE**

SALT LAKE CITY, UTAH Feb 28th. 24

Charges, \$ 5

By 



Oct 25

2/11/2

| Jacks     | an    | an      | ag     | ag        | Fl    | FB     |
|-----------|-------|---------|--------|-----------|-------|--------|
| ms        | assay | ass     | assay  | ass       | %     | Found. |
| 179       | 1.32  | 236.28  | 244.00 | 43676.00  | 11%   | 1969   |
| 207       | 1.48  | 306.36  | 98.50  | 20389.50  | 12.5% | 2587.5 |
| 210       | 2.40  | 504.00  | 102.40 | 21504.00  | 11%   | 2310   |
| 106       | 1.60  | 169.60  | 163.00 | 17278.00  | 12%   | 1272   |
| 702       | "     | 1216.24 |        | 102847.50 |       | 8138.5 |
| avg assay |       | 1.73254 |        | 146.51    |       | 11.59  |

Probably high

165 S. WEST TEMPLE ST.

## CERTIFICATE OF ASSAY

TELEPHONE WAS. 1214

## BLACK &amp; DEASON

ASSAYERS AND CHEMISTS

Feb. 26th, 1924

SALT LAKE CITY, UTAH.

NAME West End Con.

LOT NO. 5

SAMPLED BY International

ASSAY PER TON OF 2,000 POUNDS

| GOLD—Ozs.     | SILVER—Ozs.     | LEAD—%       | COPPER—%   | SPEISS—% | SILICA—%    |
|---------------|-----------------|--------------|------------|----------|-------------|
| 1.615<br>1.65 | 124.6<br>125.55 | 10.4<br>10.9 |            |          |             |
| INSOLUBLE—%   | ZINC—%          | SULPHUR—%    | IRON—%     | LIME—%   | MANGANESE—% |
| 70.6<br>69.8  | 0.5<br>0.2      | 1.4<br>0.6   | 5.8<br>6.4 |          |             |

CHARGE, \$ \_\_\_\_\_

*Black & Deason* ASSAYERS



| CLASS OF SERVICE | SYMBOL |
|------------------|--------|
| Telegram         |        |
| Day Letter       | Blue   |
| Night Message    | Nite   |
| Night Letter     | N L    |

If none of these three symbols appears after the check (number of words) this is a telegram. Otherwise its character is indicated by the symbol appearing after the check.

# WESTERN UNION TELEGRAM

NEWCOMB CARLTON, PRESIDENT

GEORGE W. E. ATKINS, FIRST VICE-PRESIDENT

| CLASS OF SERVICE | SYMBOL |
|------------------|--------|
| Telegram         |        |
| Day Letter       | Blue   |
| Night Message    | Nite   |
| Night Letter     | N L    |

If none of these three symbols appears after the check (number of words) this is a telegram. Otherwise its character is indicated by the symbol appearing after the check.

RECEIVED AT TONOPAH, NEVADA

45D FA 22 COLLECT NITE

SALT LAKE CITY UTAH FEBY 26 24

WEST END CON MINING CO

F04

TONOPAH NEV

LOT FIVE GOLD ONE POINT SIXTY FIVE SILVER ONE HUNDRED TWENTY FIVE  
POINT FIVE WET LEAD TWELVE TWO HOLDING FOR RELEASE

BLACK AND DEASON

650P

|                      |               |
|----------------------|---------------|
| <i>Black. Deason</i> | <i>Marsh</i>  |
| <i>Av 1.65</i>       | <i>1.73</i>   |
| <i>Rg 125.50</i>     | <i>146.51</i> |
| <i>P.B. 12.2</i>     | <i>11.6</i>   |

| CLASS OF SERVICE |  |
|------------------|--|
| Telegram         |  |
| Day Letter       |  |
| Night Message    |  |
| Night Letter     |  |

If no class of service is designated the message will be transmitted as a full-rate telegram.

# COPY OF WESTERN UNION TELEGRAM

Salt Lake Feb. 26th, 1924

West End Con. Mining Co.  
Tonopah, Nevada.

Lot five gold one point sixty five silver one hundred twenty  
five point five wet lead twelve two. Holding for release.

Black & Deason

Collect

(Black & Deason  
165 So. West Temple)



165 S. WEST TEMPLE ST.

## CERTIFICATE OF ASSAY

TELEPHONE WAS. 1214

## BLACK &amp; DEASON

ASSAYERS AND CHEMISTS

SALT LAKE CITY, UTAH, Feb. 26th, 1924

NAME **West End Con.**LOT NO. **5**SAMPLED BY **International**

ASSAY PER TON OF 2,000 POUNDS

| GOLD—Ozs.   | SILVER—Ozs.   | LEAD—%      | COPPER—%   | SPEISS—% | SILICA—%    |
|-------------|---------------|-------------|------------|----------|-------------|
| <b>1.65</b> | <b>125.55</b> | <b>10.9</b> |            |          |             |
| INSOLUBLE—% | ZINC—%        | SULPHUR—%   | IRON—%     | LIME—%   | MANGANESE—% |
| <b>69.8</b> | <b>0.2</b>    | <b>0.6</b>  | <b>6.4</b> |          |             |

CHARGE, \$

*Black & Deason*

ASSAYERS

WM. A. BLACK, PRESIDENT

N. C. BLACK, VICE-PRESIDENT

B. W. DEASON, SEC'Y AND TREAS.

## BLACK & DEASON

ASSAYERS AND CHEMISTS

165 SOUTH WEST TEMPLE STREET

SALT LAKE CITY, UTAH. Feb. 29th, 1924

Otto Falk, Chief Clerk,  
West End Con. Mining Co.  
Tonopah, Nevada.

Dear Sir:-

It is certainly a relief and pleasure to Black & Deason  
the way this lot has turned out.

Very truly yours,

Wm a Black



## INTERNATIONAL SMELTING COMPANY

TOOELE PLANT

## PURCHASING DEPARTMENT

Salt Lake City, Utah, Mar. 3, 1924.

Bought of West End Cons. Mining Co.,

Tonopah, Nev.

Shipped from Mina, Nevada.

Mine Mabel

Mine Lot 5

Class Crude Smelter Lot 3049

Received

Sampled 2/24 Sampled by

Assayed

E. & M. J. P. Metal  
Quotations for

Silver 2/25 64 1/8 Lead 2/20 8.625 Copper

(Date mentioned)

(Average for week ending)

(Average for week ending)

| ASSAYS     | COPPER | LEAD  | SILVER | GOLD  | INSOLUBLE | IRON | SULPHUR | LIME | ZINC | MANGANESE | SPEISS |
|------------|--------|-------|--------|-------|-----------|------|---------|------|------|-----------|--------|
| I. S. CO.  | .2     | 10.4  | 124.6  | 1.615 | 70.6      | 5.8  | 1.4     |      | .5   |           | Nil    |
| MINING CO. |        | 10.9  | 125.55 | 1.65  | 69.8      | 6.4  | .6      |      | .2   |           |        |
| UMPIRE C   |        |       | 125.28 | 1.636 |           |      |         |      |      |           |        |
| SETTLEMENT | .2     | 10.65 | 125.28 | 1.636 | 70.2      | 6.1  | 1.0     |      | .35  |           |        |

## VALUES PER TON

## TREATMENT

Copper, Less

@

Lead

90% @ .08975

Silver

100% 95% @ .64125

Gold

@ 19.00

Less Treatment

Net Value Per Ton

Base

Chg. Pb under 30% @ .10

Insoluble

% @ .10

Sulphur

% @

Zinc

% @

Speiss

% @

Iron

% @ .06

Lime

% @

Manganese

% @

Net Treatment

| INITIAL          | CAR NUMBER | WEIGHT  | PAYMENT                              |              |        |           |
|------------------|------------|---------|--------------------------------------|--------------|--------|-----------|
| UP               | 136611     | 89960   | 43.6055 ✓ Tons @ 113.202 Per Ton     |              |        | 4936 23 ✓ |
|                  | Sacks      | 80      | Freight @ 13.30 (R. R. Value 105.67) | 598          | 23 ✓   |           |
|                  |            |         | 5% of value of Ag                    |              |        | 175 15 ✓  |
|                  |            |         | Ed Dalton Rep. (dft. 11878)          | 3            | 00     |           |
|                  |            |         | Black & Deason, Assaying             | 5            | 00     |           |
|                  |            |         | Prepaid frt. on sacks returned       | 81           |        |           |
| Total Wet Weight |            | 89880 ✓ |                                      |              |        |           |
| Moisture 2.97 %  |            |         |                                      |              |        |           |
| Dry Weight       |            | 87211 ✓ |                                      |              |        |           |
|                  |            |         | Paid by Draft No. 11877              |              |        |           |
|                  |            |         |                                      | Total        | 607 04 | 4761 08 ✓ |
|                  |            |         |                                      | Net Proceeds |        | 4154 04 ✓ |

An extra charge made for sampling all lots less than carload.

Rates, except on contracts for specified time or specified tonnage, subject to change without notice.

EM.

INTERNATIONAL SMELTING COMPANY

Hauling to Mina  
Royalty Paid Tonopah Banking  
Corporation as per agreement

J. B. WHITFIELD

Ore Purchasing Agent



# INTERNATIONAL SMELTING COMPANY

Copy of  
Settlement  
Sheet

Mabel Lot No. 25

Salt Lake City, Utah  
March 3, 1924

Mine Mabel  
Class Crude

Mine Lot 5  
Smelter Lot 3049  
Sampled 2/24  
Silver 2/25

Shipped from Mina, Nev.

| Assays     | Copper | Lead  | Silver | Gold  | Insoluble | Iron | Sulphur | Lime | Zinc | Mang. | Speiss |
|------------|--------|-------|--------|-------|-----------|------|---------|------|------|-------|--------|
| I.S.Co.    | .2     | 10.4  | 124.6  | 1.615 | 70.6      | 5.8  | 1.4     |      | .5   |       | Nil    |
| Mining Co. |        | 10.9  | 125.55 | 1.65  | 69.8      | 6.4  | .6      |      | .2   |       |        |
| Umpire C   |        |       | 125.28 | 1.636 |           |      |         |      |      |       |        |
| Settlement | .2     | 10.65 | 125.28 | 1.636 | 70.2      | 6.1  | 1.0     |      | .35  |       |        |

## VALUES PER TON

## TREATMENT

|                   |        |        |         |                     |       |        |
|-------------------|--------|--------|---------|---------------------|-------|--------|
| Copper, Less      |        |        |         | Base                |       | 3.000  |
| Lead              | 90% @  | .06975 | 13.371  | Chg. Pb under 30% @ | .10   | 1.935  |
| Silver            | 100% @ | .64125 | 80.336  |                     |       |        |
| Gold              | @      | 19.00  | 31.084  |                     |       | 4.935  |
|                   |        |        | 124.791 | Insoluble           | @ .10 | 7.020  |
|                   |        |        |         | Sulphur             | @     |        |
|                   |        |        |         | Zinc                | @     |        |
|                   |        |        |         | Speiss              | @     |        |
|                   |        |        |         |                     |       | 11.955 |
|                   |        |        |         | Iron                | @ .06 | .366   |
|                   |        |        |         | Lime                | @     |        |
|                   |        |        |         | Manganese           | @     |        |
| Less Treatment    |        |        | 11.589  | Net Treatment       |       | 11.589 |
| Net Value Per Ton |        |        | 113.202 |                     |       |        |

| Initial          | Car No. | Weight |  |        |         |
|------------------|---------|--------|--|--------|---------|
| UP               | 136611  | 89960  | 43.6055 Tons @ 113.202 per ton                         |        | 4936.23 |
|                  | Sacks   | 80     | Frt. @ 13.30 (R.R. Value 105.67)                       | 598.23 |         |
|                  |         |        | 5% of Value of Ag.                                     |        | 175.15  |
|                  |         |        | Ed Dalton Rep. (dft. 11878)                            | 3.00   |         |
|                  |         |        | Black & Deason, Assaying                               | 5.00   |         |
|                  |         |        | Prepaid frt. on sacks returned                         | .81    |         |
| Total Wet Weight |         | 89880  |  |        |         |
| Moisture 2.97%   |         |        |  |        |         |
| Dry Weight       |         | 87211  |  |        |         |
|                  |         |        | TOTAL  | 607.04 | 4761.08 |
|                  |         |        | Paid by Draft No. 11877                                |        |         |
|                  |         |        | NET PROCEEDS   |        | 4154.04 |
|                  |         |        | Hauling to Mina  |        | 318.50  |
|                  |         |        |  |        | 3835.54 |
|                  |         |        | Royalty paid to Tonopah Banking Corp. as per agreement |        | 1917.77 |
|                  |         |        |  |        | 1917.77 |



January 23, 1924.

International Smelting Co.,  
618 Kearns Bldg.,  
Salt Lake City, Utah.

Gentlemen:-

Enclosed is Bill of Lading covering shipment to you from our Mabel Mine at Mina, Nevada, on January 25th, of car SP-21344 containing silver, gold and lead ore.

Black & Deason, who have formerly watched the sampling of ore for us, will also at this time. Will you kindly make settlement for this ore to this office, sending us four copies of settlement sheets.

Very truly yours,

CHIEF CLERK

OF:G

*Actual weight 88400 lbs.*

*Value estimated at 125¢ ton*

January 28, 1924.

Black & Deason,  
165 S. West Temple St.,  
Salt Lake City, Utah.

Gentlemen:-

We have made shipment to the International Smelter at International, Utah, on January 25th, car SP-21344, containing silver, gold and lead ore, from our Mabel Mine at Mine, Nevada.

Will you kindly watch the sampling of this ore for us the same as you have heretofore done?

In making this shipment we did not sack the ore but dumped the sacks into the car at the time of loading from truck. This should make it easier to get a good sample of the ore, as it should be better mixed.

Very truly yours,

CHIEF CLERK

OF:G



# INTERNATIONAL SMELTING COMPANY

TOOELE PLANT

## ASSAY CERTIFICATE

Name West End
 CLASS Crude SMELTER <sup>Car</sup> LOT 21344 MINE LOT 4 Date February 8, 1924 192  

| PER CENT<br>COPPER | PER CENT<br>LEAD | PER TON OF 2,000 LBS. |           | PER CENT<br>SiO <sub>2</sub> | PER CENT<br>INSOL. | PER CENT<br>Fe | PER CENT<br>S | PER CENT<br>CaO | PER CENT<br>Zn | PER CENT<br>Mn | PER CENT<br>SPEISS | PER CENT |
|--------------------|------------------|-----------------------|-----------|------------------------------|--------------------|----------------|---------------|-----------------|----------------|----------------|--------------------|----------|
|                    |                  | OZS. SILVER           | OZS. GOLD |                              |                    |                |               |                 |                |                |                    |          |
|                    | WET              |                       |           |                              |                    |                |               |                 |                |                |                    |          |
|                    | 9.5              |                       |           |                              |                    |                |               |                 |                |                |                    |          |
|                    | FIRE             |                       |           |                              |                    |                |               |                 |                |                |                    |          |
|                    |                  |                       |           |                              |                    |                |               |                 |                |                |                    |          |
|                    | WET ON FIRE      |                       |           |                              |                    |                |               |                 |                |                |                    |          |
| 0.30               | 8.7              | 90.20                 | 1.525     |                              | 74.3               | 5.5            | 1.6           |                 | 0.7            |                | nil                |          |

*H. G. Johnson*  
CHIEF CHEMIST

INTERNATIONAL SMELTING CO.  
TOOELE PLANT

42291

## MOISTURE REPORT

DATE 2-5 1924

SHIPPER

West End Lumber Co

CAR No.

21344

LOT No.

- 4

MOISTURE

1.701.70

..

..

..

..

..

..

..

..

..

RECEIVED

TOTAL MOISTURES

3.40

AVERAGE MOISTURE

1.87

SAMPLER



# INTERNATIONAL SMELTING COMPANY

## TOOELE PLANT

### ASSAY CERTIFICATE

Name Weest End (Re-sample)

CLASS Crude SMELTER LOT 21344 MINE LOT 4 Date February 9, 1924 1924

| PER CENT<br>COPPER | PER CENT<br>LEAD | PER TON OF 2,000 LBS. |           | PER CENT<br>SiO <sub>2</sub> | PER CENT<br>INSOL. | PER CENT<br>Fe | PER CENT<br>S | PER CENT<br>CaO | PER CENT<br>Zn | PER CENT<br>Mn | PER CENT<br>SPEISS | PER CENT |
|--------------------|------------------|-----------------------|-----------|------------------------------|--------------------|----------------|---------------|-----------------|----------------|----------------|--------------------|----------|
|                    |                  | OZS. SILVER           | OZS. GOLD |                              |                    |                |               |                 |                |                |                    |          |
|                    | WET              |                       |           |                              |                    |                |               |                 |                |                |                    |          |
|                    |                  |                       |           |                              |                    |                |               |                 |                |                |                    |          |
|                    | FIRE             |                       |           |                              |                    |                |               |                 |                |                |                    |          |
|                    |                  |                       |           |                              |                    |                |               |                 |                |                |                    |          |
|                    | WET ON FIRE      |                       |           |                              |                    |                |               |                 |                |                |                    |          |
| 0.33               | 8.2              | 86.60                 | 1.44      |                              | 74.6               | 5.6            | 1.6           | 0.2             | 0.5            |                | nil                |          |

*Black & Leason*

*H. Goodrich*  
CHIEF CHEMIST

EIGHT BILL—PREPAID FORWARD CHARGE

3/5/24

19

INTERNATIONAL SMELTING COMPANY

Prepay Freight

Bill Number

680

TO TOOEE VALLEY RAILWAY CO. DR.

FOR CHARGES ON ARTICLES FORWARDED PREPAID TO

| Consignee            | Destination             |
|----------------------|-------------------------|
| WEST END CONS MNG CO | MINA NEVADA             |
| Car No. and Initials | Waybill Number and Date |
| 135817 UP            | 217: 3/5/24             |

| ARTICLES                 | WEIGHT | RATE       | FREIGHT                 |
|--------------------------|--------|------------|-------------------------|
| 1 Bdle Mty Ore Sax, Retd | 41     | .16<br>.65 | .16<br>.65<br><hr/> .81 |

ROUTE

Warner UP  
Ogden SP

TOOEE VALLEY RY. CO.

PAID  
MAR 6 - 1924

E. G. SMITH, Agent

TOTAL FREIGHT .....

WAR TAX .....


TOTAL TO COLLECT .....

.81



| CLASS OF SERVICE DESIRED  |                                     |
|---|-------------------------------------|
| Telegram  | <input checked="" type="checkbox"/> |
| Day Letter  | <input type="checkbox"/>            |
| Night Message   | <input type="checkbox"/>            |
| Night Letter  | <input type="checkbox"/>            |
| Patrons should mark an X opposite the class of service desired; OTHERWISE THE MESSAGE WILL BE TRANSMITTED AS A FULL-RATE TELEGRAM |                                     |

# WESTERN UNION



# TELEGRAM

NEWCOMB CARLTON, PRESIDENT

GEORGE W. E. ATKINS, FIRST VICE-PRESIDENT

|                |
|----------------|
| Receiver's No. |
| Check          |
| Time Filed     |

Send the following message, subject to the terms  
on back hereof, which are hereby agreed to

TONOPAH, NEVADA

FEB. 27, 1924

BLACK & DEASON,  
165 S. WEST TEMPLE ST.  
SALT LAKE CITY, UTAH

YOUR WIRE TWENTY SIXTH RELEASE MABEL LOT FIVE

WEST END CONS. MINING CO.

CHARGE: WEST END



Permanent post-office address of shipper



3049 COPY—FREIGHT BILL

 CONSIGNEE INTERNATIONAL SMELTING COMPANY STATION 3/5/24 19  
 FREIGHT BILL NO. 651

 DESTINATION INTERNATIONAL, UTAH  
 ROUTE So Pac Ogden On Pac Warner

(Point of Origin to Destination)

TO **TOOELE VALLEY RAILWAY CO.,** DR., For Charges on Articles Transported:

|  |  |   |  |
|--|--|---|--|
| Way-Billed From<br><u>Mina, Nevada</u> | Way-Bill Date and No.<br><u>2/14/24 SP-2</u> | Full Name of Shipper<br><u>West End Cons Mng Co</u> | Car Initials and No.<br><u>UP 136611</u> |
| Point and Date of Shipment             | Connecting Line Reference                    | Previous Way-Bill References                        | Original Car Initials and No.            |

| NUMBER OF PACKAGES, ARTICLES AND MARKS                            | WEIGHT | RATE | FREIGHT      | ADVANCES | TOTAL  |
|---|--------|------|--------------|----------|--------|
| <u>C/LORE (Bulk &amp; 30 Sax)</u><br><u>VALUE 105.67 LOT NO 5</u> | 89960  |      | 13.30 598.23 |          |        |
| *TOTAL PREPAID \$ _____   |        |      |              |          |        |
| TOTAL   |        |      |              |          | 598.23 |

COPY

\*For use at junction points on freight subject to connecting line settlement.

ALL FREIGHT WILL BE SUBJECT TO DEMURRAGE OR STORAGE CHARGES, OR BOTH AS PROVIDED IN PUBLISHED TARIFFS

## COPY-FREIGHT BILL

2998

INTERNATIONAL, UTAH

STATION

2/21/24

19

CONSIGNEE

INTERNATIONAL SMELTING COMPANY

FREIGHT

BILL NO.

511

DESTINATION

INTERNATIONAL, UTAH

ROUTE

50 33 Ogden On Pac Warner

(Point of Origin to Destination)

TO TOOELE VALLEY RAILWAY CO., DR., For Charges on Articles Transported:

|                                 |                                       |  |                                  |
|---------------------------------|---------------------------------------|--|----------------------------------|
| Way-Billed From<br>Mina, Nevada | Way-Bill Date and No.<br>1/26/24 SP-2 | Full Name of Shipper<br>West End Cons Mng Co | Car Initials and No.<br>SP 21344 |
| Point and Date of Shipment      | Connecting Line Reference             | Previous Way-Bill References                 | Original Car Initials and No.    |

| NUMBER OF PACKAGES, ARTICLES AND MARKS | WEIGHT | RATE | FREIGHT | ADVANCES | TOTAL |
|--|--------|------|---------|----------|-------|
| CRUDE ORE MINE LOT 4<br>VALUE \$ 78.78 | 89540  | 7.80 | 349.21  |          |       |
| *TOTAL PREPAID \$                      |        |      |         |          |       |

COPY

TOTAL

349.21

\*For use at junction points on freight subject to connecting line settlement.

ALL FREIGHT WILL BE SUBJECT TO DEMURRAGE OR STORAGE CHARGES, OR BOTH AS PROVIDED IN PUBLISHED TARIFFS



## INTERNATIONAL SMELTING COMPANY

TOOELE PLANT

## PURCHASING DEPARTMENT

Salt Lake City, Utah, Mar. 3, 1924.

Bought of West End Cons. Mining Co.,

Tonopah, Nev.

Shipped from Mina, Nevada.

Mine Mabel

Mine Lot 5

Class Crude Smelter Lot 3049

Received

Sampled 2/24 Sampled by

Assayed

E. & M. J. P. Metal  
Quotations for

Silver 2/25 64 1/8 Lead 2/20 8.625 Copper

(Date mentioned)

(Average for week ending)

(Average for week ending)

| ASSAYS     | COPPER | LEAD  | SILVER | GOLD  | INSOLUBLE | IRON | SULPHUR | LIME | ZINC | MANGANESE | SPEISS |
|------------|--------|-------|--------|-------|-----------|------|---------|------|------|-----------|--------|
| I. S. CO.  | .2     | 10.4  | 124.6  | 1.615 | 70.6      | 5.8  | 1.4     |      | .5   |           | Nil    |
| MINING CO. |        | 10.9  | 125.55 | 1.65  | 69.8      | 6.4  | .6      |      | .2   |           |        |
| UMPIRE     | 0      |       | 125.28 | 1.636 |           |      |         |      |      |           |        |
| SETTLEMENT | .2     | 10.65 | 125.28 | 1.636 | 70.2      | 6.1  | 1.0     |      | .35  |           |        |

## VALUES PER TON

## TREATMENT

|                   |            |        |         |  |                         |  |        |
|-------------------|------------|--------|---------|--|-------------------------|--|--------|
| Copper, Less      | @          |        |         |  | Base                    |  | 3 000  |
| Lead              | 90% @      | .08975 | 13 371  |  | Chg. Pb under 30% @ .10 |  | 1 935  |
| Silver            | 100% 95% @ | .64125 | 80 336  |  |                         |  |        |
| Gold              | @          | 19.00  | 31 084  |  |                         |  | 4 935  |
|                   |            |        | 124 791 |  | Insoluble % @ .10       |  | 7 020  |
|                   |            |        |         |  | Sulphur % @             |  |        |
|                   |            |        |         |  | Zinc % @                |  |        |
|                   |            |        |         |  | Speiss % @              |  |        |
|                   |            |        |         |  |                         |  | 11 955 |
|                   |            |        |         |  | Iron % @ .06            |  | 366    |
|                   |            |        |         |  | Lime % @                |  |        |
| Less Treatment    |            |        | 11 589  |  | Manganese % @           |  |        |
| Net Value Per Ton |            |        | 113 202 |  | Net Treatment           |  | 11 589 |

| INITIAL          | CAR NUMBER | WEIGHT | PAYMENT                              |              |         |
|------------------|------------|--------|--------------------------------------|--------------|---------|
| UP               | 136611     | 89960  | 43.6055 Tons @ 113.202 Per Ton       |              | 4936 23 |
|                  | Sacks      | 80     | Freight @ 13.30 (R. R. Value 105.67) | 598 23       |         |
|                  |            |        | 5% of value of Ag                    |              | 175 15  |
|                  |            |        | Ed Dalton Rep. (dft. 11878)          | 3 00         |         |
|                  |            |        | Black & Deason, Assaying             | 5 00         |         |
|                  |            |        | Prepaid frt. on sacks returned       | 81           |         |
| Total Wet Weight |            | 89880  |                                      |              |         |
| Moisture 2.97 %  |            |        | Total                                | 607 04       | 4761 08 |
| Dry Weight       |            | 87211  | Paid by Draft No. 11877              | Net Proceeds | 4154 04 |

An extra charge made for sampling all lots less than carload.

INTERNATIONAL SMELTING COMPANY

Rates, except on contracts for specified time or specified tonnage, subject to change without notice.

EM.

J. R. WHITEHILL  
Ore Purchasing Agent



## BLACK &amp; DEASON

ASSAYERS AND CHEMISTS

165 SOUTH WEST TEMPLE STREET

SALT LAKE CITY, UTAH. Feb. 18th, 1924

Otto Falk Chief Clerk,  
West End Con. Mining Co.  
Tonopah, Nevada.

Dear Sir:-

I am wiring you tonight in regard to whether or not there are two lots in your last shipment for while you did not mention two lots neither the International or I feel like taking the responsibility of making one lot of it.

The results we got being so very far from what you had on lot four was quite disturbing, Mr. White of the International remarking that he disliked differences like that coming up very much as every one connected with it generally felt more or less upset. Before I released it I called up Mr. Dalton on long distance and talked with him in regard to the sampling and when I found that they had run the entire lot through the sampler twice and crushed every bit of it to 1/4 mesh before cutting out the first sample and had resampled the entire lot the second time as they should I thought it best to give it up and released it. Candidly I feel that the International is doing every thing possible, that is stressing the sampling of your ore.

I would rather have had the Insoluble sent to Crismon & Nichols as I was just as much afraid of the Union losing it as I would have been sure of Crismon & Nichols winning it for us, but circumstances were against me. We would have been able to report earlier but the Union did not report until this morning, probably having some of the troubles we assayers as well as others have.

I am already hoping that this next lot will turn out better as it is quite disturbing not to have something one is handling turn out at least fairly well.

Very truly yours,

Wm A Black

for  
Obtain notes & return



| CLASS OF SERVICE   | SYMBOL |
|--|--------|
| Telegram   |        |
| Day Letter   | Blue   |
| Night Message  | Nite   |
| Night Letter   | N L    |
| If none of these three symbols appears after the check (number of words) this is a telegram. Otherwise its character is indicated by the symbol appearing after the check. |        |

# WESTERN UNION TELEGRAM

NEWCOMB CARLTON, PRESIDENT

GEORGE W. E. ATKINS, FIRST VICE-PRESIDENT

| CLASS OF SERVICE   | SYMBOL |
|--|--------|
| Telegram   |        |
| Day Letter   | Blue   |
| Night Message  | Nite   |
| Night Letter   | N L    |
| If none of these three symbols appears after the check (number of words) this is a telegram. Otherwise its character is indicated by the symbol appearing after the check. |        |

RECEIVED AT TONOPAH, NEV.

50F C 18 COLLECT NITE

SALT LAKE CITY UTAH FEB 7 1924

WEST END CON MIN CO

04

TONOPAH NEV

LOT FOUR GOLD ONE FIFTY SEVEN SILVER NINETY POINT FIVE WET LEAD NINE  
SIX HOLDING FOR RELEASE

BLACK AND DEASON

1104P

|                   |               |                 |                |
|-------------------|---------------|-----------------|----------------|
| <i>Smelter</i>    | <i>Maass</i>  | <i>Resample</i> | <i>Smelter</i> |
| <i>Am 1.57</i>    | <i>1.5036</i> | <i>1.49</i>     | <i>1.44</i>    |
| <i>ag. 90.5</i>   | <i>124.70</i> | <i>87.5</i>     | <i>86.6</i>    |
| <i>Lead. 9.6%</i> | <i>11%</i>    | <i>8.6</i>      | <i>8.2</i>     |

| CLASS OF SERVICE | SYMBOL |
|------------------|--------|
| Telegram         |        |
| Day Letter       | Blue   |
| Night Message    | Nite   |
| Night Letter     | N L    |

If none of these three symbols appears after the check (number of words) this is a telegram. Otherwise its character is indicated by the symbol appearing after the check.

# WESTERN UNION



# TELEGRAM

NEWCOMB CARLTON, PRESIDENT

GEORGE W. E. ATKINS, FIRST VICE-PRESIDENT

| CLASS OF SERVICE | SYMBOL |
|------------------|--------|
| Telegram         |        |
| Day Letter       | Blue   |
| Night Message    | Nite   |
| Night Letter     | N L    |

If none of these three symbols appears after the check (number of words) this is a telegram. Otherwise its character is indicated by the symbol appearing after the check.

RECEIVED AT TONOPAH, NEV.

9F C 44 COLLECT BLUE

SALT LAKE CITY UTAH 1052A FEB 13 1924

WEST END CON MINING CO

TONOPAH NEV

RESAMPLE LOT FOUR GOLD ONE FORTY NINE SILVER EIGHTY SEVEN FIVE LEAD  
 EIGHT SIX SMELTER RESULTS ONE FORTY FOUR GOLD EIGHTY SIX SIX SILVER  
 EIGHT TWO LEAD GOLD AND SILVER ON RESAMPLE AND GOLD ON ORIGINAL TO BE  
 UMPIRED WIRE RELEASE OR INSTRUCTIONS

BLACK AND DEASON

1004A



| CLASS OF SERVICE | SYMBOL |
|------------------|--------|
| Telegram         |        |
| Day Letter       | Blue   |
| Night Message    | Nite   |
| Night Letter     | N L    |

If none of these three symbols appears after the check (number of words) this is a telegram. Otherwise its character is indicated by the symbol appearing after the check.

# WESTERN UNION TELEGRAM

NEWCOMB CARLTON, PRESIDENT

GEORGE W. E. ATKINS, FIRST VICE-PRESIDENT

| CLASS OF SERVICE | SYMBOL |
|------------------|--------|
| Telegram         |        |
| Day Letter       | Blue   |
| Night Message    | Nite   |
| Night Letter     | N L    |

If none of these three symbols appears after the check (number of words) this is a telegram. Otherwise its character is indicated by the symbol appearing after the check.

RECEIVED AT TONOPAH, NEV.

43F C 11 COLLECT NITE

SALT LAKE CITY UTAH FEB 18 1924

WEST END CON MINING CO

109

TONOPAH NEV


LAST SHIPMENT BULK AND THIRTY SAX ARE THERE TWO LOTS

BLACK AND DEASON

1114P

|   |   |
|---|---|
| CLASS OF SERVICE DESIRED  |   |
| Telegram  |   |
| Day Letter  | X |
| Night Message   |   |
| Night Letter  |   |
| Patrons should mark an X opposite the class of service desired; OTHERWISE THE MESSAGE WILL BE TRANSMITTED AS A FULL-RATE TELEGRAM |   |

# WESTERN UNION



# TELEGRAM

NEWCOMB CARLTON, PRESIDENT

GEORGE W. E. ATKINS, FIRST VICE-PRESIDENT

|                |
|----------------|
| Receiver's No. |
| Check          |
| Time Filed     |

Send the following message, subject to the terms  
on back hereof, which are hereby agreed to

2:15 P.M. TONOPAH, NEVADA FEB. 13, 1924

BLACK & DEASON,  
165 S. WEST TEMPLE ST.  
SALT LAKE CITY, UTAH.

YOUR WIRE THIRTEENTH REGARDING MABEL LOT FOUR OUR ASSAYS ON THIS LOT ARE  
ONE HUNDRED TWENTY FOUR OUNCES SILVER WE THEREFORE CANNOT UNDERSTAND  
THESE LOW SAMPLES FROM SMELTER WHILE WE ARE NATURALLY DISSATISFIED WITH  
THE RESULTS PRESUME THERE IS NOTHING FURTHER TO BE DONE IF YOU THINK  
ADVISABLE TO AGAIN RESAMPLE PLEASE DO SO IF NOT RELEASE

WEST END CONS. MINING CO.

CHARGE: WEST END



| CLASS OF SERVICE DESIRED  |                                     |
|---|-------------------------------------|
| Telegram  | <input checked="" type="checkbox"/> |
| Day Letter  | <input type="checkbox"/>            |
| Night Message   | <input type="checkbox"/>            |
| Night Letter  | <input type="checkbox"/>            |
| Patrons should mark an X opposite the class of service desired; OTHERWISE THE MESSAGE WILL BE TRANSMITTED AS A FULL-RATE TELEGRAM |                                     |

# WESTERN UNION



# TELEGRAM

NEWCOMB CARLTON, PRESIDENT

GEORGE W. E. ATKINS, FIRST VICE-PRESIDENT

|                |
|----------------|
| Receiver's No. |
| Check          |
| Time Filed     |

Send the following message, subject to the terms  
on back hereof, which are hereby agreed to

8:50 A.M. TONOPAH, NEV. FEB. 8, 1924

BLACK & DEASON,  
165 S. WEST TEMPLE ST.  
SALT LAKE CITY, UTAH.


YOUR WIRE ACCOUNT WIDE DISCREPANCY BETWEEN YOUR ASSAYS AND OURS  
PLEASE RESAMPLE OUR MABEL LOT TWENTY FOUR

WEST END CONS. MINING CO.

CHARGE: WEST END

| CLASS OF SERVICE DESIRED  |                                     |
|---|-------------------------------------|
| Telegram  | <input checked="" type="checkbox"/> |
| Day Letter  | <input type="checkbox"/>            |
| Night Message   | <input type="checkbox"/>            |
| Night Letter  | <input type="checkbox"/>            |
| Patrons should mark an X opposite the class of service desired; OTHERWISE THE MESSAGE WILL BE TRANSMITTED AS A FULL-RATE TELEGRAM |                                     |

# WESTERN UNION



# TELEGRAM

NEWCOMB CARLTON, PRESIDENT

GEORGE W. E. ATKINS, FIRST VICE-PRESIDENT

|                |
|----------------|
| Receiver's No. |
| Check          |
| Time Filed     |

Send the following message, subject to the terms  
on back hereof, which are hereby agreed to

8:30 AM TONOPAH, NEV. FEB. 19, 1924

BLACK & DEASON,  
165 S. WEST TEMPLE ST.  
SALT LAKE CITY, UTAH

LAST SHIPMENT MADE FROM MABEL MINE ALL ONE LOT

WEST END CONS. MINING CO.

CHARGE: WEST END



101 TEMPLE ST.

# CERTIFICATE OF ASSAY

TELEPHONE WAS. 1214

## BLACK & DEASON

ASSAYERS AND CHEMISTS

SALT LAKE CITY, UTAH, **Feb. 12th, 1924**

NAME **West End Con.**

LOT NO. **4 Resample**

SAMPLED BY **International**

ASSAY PER TON OF 2,000 POUNDS

| GOLD—Ozs.   | SILVER—Ozs. | LEAD—%     | COPPER—% | SPEISS—% | SILICA—%    |
|-------------|-------------|------------|----------|----------|-------------|
| 1.44        | 86.60       | 8.2        |          |          |             |
| <b>1.49</b> | <b>87.5</b> | <b>8.6</b> |          |          |             |
| INSOLUBLE—% | ZINC—%      | SULPHUR—%  | IRON—%   | LIME—%   | MANGANESE—% |
|             |             |            |          |          |             |

CHARGE, \$

*Black & Deason*

ASSAYERS

165 S. WEST TEMPLE ST.

## CERTIFICATE OF ASSAY

TELEPHONE WAS. 1214

## BLACK &amp; DEASON

ASSAYERS AND CHEMISTS

SALT LAKE CITY, UTAH, Feb. 7th, 1924

NAME **West End Con.**LOT NO. **4**SAMPLED BY **International**

ASSAY PER TON OF 2,000 POUNDS

| GOLD—Ozs.            | SILVER—Ozs.         | LEAD—%            | COPPER—%          | SPEISS—% | SILICA—%    |
|----------------------|---------------------|-------------------|-------------------|----------|-------------|
| 1.525<br><b>1.57</b> | 90.2<br><b>90.5</b> | 8.7<br><b>9.0</b> |                   |          |             |
| INSOLUBLE—%          | ZINC—%              | SULPHUR—%         | IRON—%            | LIME—%   | MANGANESE—% |
| 74.3<br><b>71.8</b>  | 0.7<br><b>None</b>  | 1.6<br><b>0.7</b> | 5.5<br><b>6.0</b> |          |             |

CHARGE, \$

*Black & Deason* ASSAYERS



Con. Serial 65560

## ASSAY CERTIFICATE

## UNION ASSAY OFFICE, INC.

M. S. HANAUER, PRES.

J. V. SADLER, V.-PRES. &amp; TREAS.

A. G. SELBY, SEC'Y

SALT LAKE CITY, UTAH.

West End-

Mins

## RESULTS PER TON OF 2000 POUNDS.

Feb. 14, 1924.

| LOT         | CLASS | GOLD<br>Ozs. per Ton | SILVER<br>Ozs. per Ton | LEAD<br>Per Cent. | COPPER<br>Per Cent.<br>Wet | INSOL.<br>Per Cent. | ZINC<br>Per Cent. | SULPHUR<br>Per Cent. | SPEISS<br>Per Cent. | IRON<br>Per Cent. | LIME<br>Per Cent. | MANGANESE<br>Per Cent. | Per Cent. |
|-------------|-------|----------------------|------------------------|-------------------|----------------------------|---------------------|-------------------|----------------------|---------------------|-------------------|-------------------|------------------------|-----------|
| Car 21344/4 |       | 1.550                |                        |                   |                            | 73.5                |                   |                      |                     |                   |                   |                        |           |

UMPIRE ASSAY

Remarks

Lead reported as:

Fire Assay.

Wet on Button.

Wet on Ore.

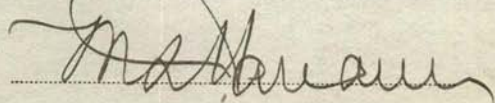
Less Copper

Sampled by

I.S.Co.

Charges \$

6.00



# CRISMON & NICHOLS

## ASSAYERS AND CHEMISTS

229-231 SO. WEST TEMPLE ST.

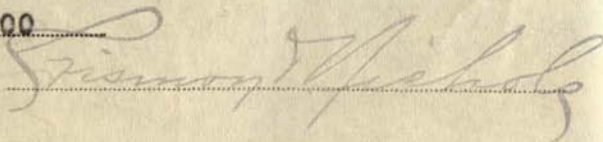
Phone Was. 2393

Salt Lake City, Utah, Feb. 14, 1924

NAME West End Cons.WEIGHT ResampleCLASS Crude LOT NO. 4SAMPLED BY International

UMPIRE ASSAY PER TON 2000 POUNDS

| GOLD-Ozs.                 | SILVER-Ozs.   | LEAD-Per cent<br>Wet on Fire | COPPER-Per cent  |
|---------------------------|---------------|------------------------------|------------------|
| 1.485                     | 87.40         |                              |                  |
| Per cent<br>SILICA INSOL. | IRON-Per cent | ZINC-Per cent                | SULPHUR-Per cent |
|                           |               |                              |                  |
| SPEISS-Per cent           | LIME-Per cent | MANGANESE<br>Per cent        | Per cent         |
|                           |               |                              |                  |

CHARGES \$ 5.00






Shipped 1/26/24

Label Lot no 24

| Sacks Sold | ozs  | Silver  | ozs               | Lead   | Gravels     |
|------------|------|---------|-------------------|--------|-------------|
| 250        | 1.74 | 435.00  | 174 <sup>00</sup> | 435.00 | 15% 750.00  |
| 275        | 1.54 | 423.50  | 127 <sup>00</sup> | 349.25 | 10.5 577.50 |
| 10         | .44  | 4.40    | 27 <sup>40</sup>  | 274.00 | 12.2 244.00 |
| 211        | 1.28 | 270.08  | 74 <sup>00</sup>  | 156.14 | 7.0 295.40  |
| 20         | .94  | 18.80   | 60 <sup>00</sup>  | 120.40 | 9.0 360.00  |
| 766        |      | 1151.78 |                   | 955.17 | 1683.80     |

avg assay. 1.5036

124.70

11%.



## INTERNATIONAL SMELTING COMPANY

TOOELE PLANT

PURCHASING DEPARTMENT

Salt Lake City, Utah, Feb. 18, 1924.

Bought of West End Consolidated Mining Co.,

Tonopoh, Nevada.

Shipped from Mina, Nevada.

Mine Mabel

Mine Lot 4

Class Crude Smelter Lot 2998

Received

Sampled 2-5

Sampled by

Assayed

E. &amp; M. J. P. Metal

Silver 64

Lead 1-30 8.025 Copper

Quotations for

(Date mentioned)

(Average for week ending)

(Average for week ending)

| ASSAYS           | COPPER | LEAD  | SILVER | GOLD   | INSOLUBLE | IRON | SULPHUR | LIME | ZINC | MANGANESE | SPEISS |
|------------------|--------|-------|--------|--------|-----------|------|---------|------|------|-----------|--------|
| Orig             | .30    | 8.7   | 90.20  | 1.525  | 74.3      | 5.5  | 1.6     |      | .7   |           | N11    |
| I. S. CO Re.     | .33    | 8.2   | 86.60  | 1.440  |           |      |         |      |      |           |        |
| MINING CO. Orig. |        | 9.0   | 90.50  | 1.570  | 71.8      | 6.0  | .7      |      |      |           |        |
| Re.              |        | 8.6   | 87.50  | 1.490  |           |      |         |      |      |           |        |
| UMPIRE Orig      |        |       |        | 1.550  |           |      |         |      |      |           |        |
| Re.              |        |       | 87.40  | 1.485  | 73.5      |      |         |      |      |           |        |
| SETTLEMENT       | .315   | 8.625 | 88.875 | 1.5175 | 73.5      | 5.75 | 1.15    |      | .35  |           | N11    |

VALUES PER TON

TREATMENT

Copper, Less

@

Lead

90% @ .06375

Silver

100% 95% @ .64000

Gold

@ 19.00

Base

Chg. Pb under 30% @ .10

Insoluble

% @ .10

Sulphur

% @

Zinc

% @

Speiss

% @

Iron

% @ .06

Lime

% @

Manganese

% @

Less Treatment

Net Value Per Ton

Net Treatment

| INITIAL          | CAR NUMBER | WEIGHT | PAYMENT                                |        |         |
|------------------|------------|--------|--|--------|---------|
| S.P.             | 21344      | 89540  | 43.933 Tons @ 83.467 Per Ton           |        | 3666 96 |
|                  |            |        | Freight @ 7.80 (R. R. Value 78.78 )    | 349 21 |         |
|                  |            |        | 5% of value of Ag 124.95               |        | 124 95  |
|                  |            |        | Ed Dalton Representation (Dft. #11825) | 3 00   |         |
|                  |            |        | Union Assay Office, Umpire             | 3 00   |         |
|                  |            |        | Black & Deason, Assaying               | 9 00   |         |
| Total Wet Weight |            | 89540  |  |        |         |
| Moisture 1.87 %  |            |        | Total                                  | 364 21 | 3542 01 |
| Dry Weight       |            | 87866  | Net Proceeds                           |        | 3177 80 |
|                  |            |        | Paid by Draft No. 11824                |        |         |

An extra charge made for sampling all lots less than carload.

Rates, except on contracts for specified time or specified tonnage, subject to change without notice.

EM.

INTERNATIONAL SMELTING COMPANY

J. E. WATTEHILL

Ore Purchasing Agent



# INTERNATIONAL SMELTING COMPANY

Copy of  
Settlement  
Sheet

Mabel Lot No. 24

Salt Lake City, Utah  
Feb. 18, 1924

Mine Mabel  
Class Crude

Mine Lot 4  
Smelter Lot 2998

Shipped from Mina, Nev.

Sampled 2/5

Silver .64    Lead 8.025    1/30

| Assays     | Copper | Lead  | Silver | Gold   | Insoluble | Iron | Sulphur | Lime | Zinc. | Mang. | Speiss |
|------------|--------|-------|--------|--------|-----------|------|---------|------|-------|-------|--------|
| I.S.Co. O  | .30    | 8.7   | 90.20  | 1.525  | 74.3      | 5.5  | 1.6     | -    | .7    | -     | Nil    |
| R          | .33    | 8.2   | 86.60  | 1.440  |           |      |         |      |       |       |        |
| Ming.Co.O  |        | 9.0   | 90.50  | 1.570  | 71.8      | 6.0  | .7      |      |       |       |        |
| R          |        | 8.6   | 87.50  | 1.490  |           |      |         |      |       |       |        |
| Umpire O   |        |       |        | 1.550  |           |      |         |      |       |       |        |
| R          |        |       | 87.40  | 1.485  | 73.5      |      |         |      |       |       |        |
| Settlement | .315   | 8.625 | 88.875 | 1.5175 | 73.5      | 5.75 | 1.15    |      | .35   |       | Nil    |

## VALUES PER TON

## TREATMENT

|                   |         |        |        |                        |        |
|-------------------|---------|--------|--------|------------------------|--------|
| Copper, Less      |         |        |        | Base                   | 3.000  |
| Lead              | 90% @   | .06375 | 9.897  | Chg.Pb under 30% @ .10 | 2.138  |
| Silver            | 100% @  | .64000 | 56.880 |                        |        |
| Gold              | @ 19.00 |        | 28.833 |                        | 5.138  |
|                   |         |        | 95.610 | Insoluble @ .10        | 7.350  |
|                   |         |        |        | Sulphur @              |        |
|                   |         |        |        | Zinc @                 |        |
|                   |         |        |        | Speiss @               |        |
|                   |         |        |        |                        | 12.488 |
|                   |         |        |        | Iron @ .06             | .345   |
|                   |         |        |        | Lime @                 |        |
| Less Treatment    |         |        | 12.143 | Manganese @            |        |
| Net Value Per Ton |         |        | 83.467 | Net Treatment          | 12.143 |

| Initial          | Car No. | Weight |  |        |         |
|------------------|---------|--------|--|--------|---------|
| SP               | 21344   | 89540  | 43.933 Tons @ 83.467 per ton           |        | 3666.96 |
|                  |         |        | Frts. @ 7.80 (R.R. Value 78.78)        | 349.21 |         |
|                  |         |        | 5% of Value of Ag. 124.95              |        | 124.95  |
|                  |         |        | Ed Dalton Representation (Dft. #11825) | 3.00   |         |
|                  |         |        | Union Assay Office, Umpire             | 3.00   |         |
|                  |         |        | Black & Deason, Assaying               | 9.00   |         |
| TOTAL NET WEIGHT | 89540   |        | TOTAL                                  | 364.21 | 3542.01 |
| Moisture 1.87%   |         |        |  |        |         |
| Dry Weight       | 87866   |        | Paid by Draft No. 11824                |        |         |

NET PROCEEDS 3177.80  
Hauling to Mina 295.40  
2882.40

Royalty paid to Tonopah Banking Corp. as per agreement 1441.20  
1441.20