



CONTACT INFORMATION

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PRINTED: 03/18/2003

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES AZMILS DATA

PRIMARY NAME: SILVERFIELD MINE

ALTERNATE NAMES:
TOWNSEND PROPERTY

MOHAVE COUNTY MILS NUMBER: 397A

LOCATION: TOWNSHIP 11 N RANGE 15 W SECTION 36 QUARTER SW
LATITUDE: N 34DEG 14MIN 51SEC LONGITUDE: W 113DEG 46MIN 46SEC
TOPO MAP NAME: SWANSEA - 15 MIN

CURRENT STATUS: PAST PRODUCER

COMMODITY:
SILVER
COPPER
GOLD
SILICON SILICA FLUX

BIBLIOGRAPHY:
ADMMR SILVERFIELD MINE FILE

SWANSEA QUADRANGLE
ARIZONA
15 MINUTE SERIES (TOPOGRAPHIC)

3252.1
ARTILLERY PEAK



Sec. 36
SW

| Name of Mine or Prospect: Silverfield | Town: 11N | Range: 15W | Section: 36bdd | Priority: B | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|----------------------------|-----------------|---|----------------|---------------|-----------------|----|---|----|------|-----|---|----|-----|------|---|----|------|------|---|------|---------|------|---|------|------|---|---|------|------|------|---|------|-------|------|---|
| Principal Minerals: Silver, Chryscolla | 1:250,000 Quad Prescott | | 7.5' - 15' Quad Castenada Hills | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Associated Minerals: Quartz, Gold | District Owens | | Principal Product Copper, Silver | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Type of Operation: Surface and Underground | County: Mohave | State: Ar. | Type of Deposit: Vein | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ownership or Controlling Interest: Consult current USBLM mining claim records | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Access: Location uncertain; reported to be one mile from the Mildred Camp. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Structural Control or Geological Association: "Within the confines of this property, the basal rock formation consists of several eroded hills composed of Precambrian gneiss. These hills are capped by alternating beds of quartzite and silicified limestone strata to a thickness of from 20 to 40 feet. Large areas of the quartzite strata and part of the limestone strata were originally transformed into low grade ore by means of percolating thermal solutions carrying copper and silver values. The ores of this property occur as large replacement deposits mainly in quartzite, but partly in silicified limestone." ¹ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Age of Mineralization: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Production History | | | Geochemical Analyses | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (1941) ¹ 600 tons shipped to smelter (1941) ¹ total low grade "ore" tonnage potential 1,950,000 tons. | | | (1941) ¹ Assay Average (smelter) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | Gold 0.02 oz/ton Silver 14.0 oz/ton Copper 1.0% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | (1941) Assay (ADMR) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th style="text-align: center;">Gold (oz/ton)</th> <th style="text-align: center;">Silver (oz/ton)</th> <th style="text-align: center;">Cu</th> </tr> </thead> <tbody> <tr><td>1</td><td style="text-align: center;">Tr</td><td style="text-align: center;">7.20</td><td style="text-align: center;">0.4</td></tr> <tr><td>2</td><td style="text-align: center;">Tr</td><td style="text-align: center;">4.0</td><td style="text-align: center;">0.29</td></tr> <tr><td>3</td><td style="text-align: center;">Tr</td><td style="text-align: center;">10.5</td><td style="text-align: center;">0.40</td></tr> <tr><td>4</td><td style="text-align: center;">0.01</td><td style="text-align: center;">19.7(?)</td><td style="text-align: center;">0.71</td></tr> <tr><td>5</td><td style="text-align: center;">0.15</td><td style="text-align: center;">1.00</td><td style="text-align: center;">—</td></tr> <tr><td>6</td><td style="text-align: center;">0.02</td><td style="text-align: center;">5.98</td><td style="text-align: center;">2.10</td></tr> <tr><td>7</td><td style="text-align: center;">0.02</td><td style="text-align: center;">14.78</td><td style="text-align: center;">2.40</td></tr> <tr><td>8</td><td style="text-align: center;">0.01</td><td style="text-align: center;">21.18</td><td style="text-align: center;">3.5</td></tr> </tbody> </table> | | Gold (oz/ton) | Silver (oz/ton) | Cu | 1 | Tr | 7.20 | 0.4 | 2 | Tr | 4.0 | 0.29 | 3 | Tr | 10.5 | 0.40 | 4 | 0.01 | 19.7(?) | 0.71 | 5 | 0.15 | 1.00 | — | 6 | 0.02 | 5.98 | 2.10 | 7 | 0.02 | 14.78 | 2.40 | 8 |
| | Gold (oz/ton) | Silver (oz/ton) | Cu | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | Tr | 7.20 | 0.4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | Tr | 4.0 | 0.29 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | Tr | 10.5 | 0.40 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | 0.01 | 19.7(?) | 0.71 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | 0.15 | 1.00 | — | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | 0.02 | 5.98 | 2.10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | 0.02 | 14.78 | 2.40 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | 0.01 | 21.18 | 3.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| References | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

1) ADMR file, Engineers Report, Phoenix, Ar.

NAME OF MINE: SILVERFIELD ✓

COUNTY: MOHAVE

OWNER: Sidney B. Moer, 611 Title & Trust Bldg

DISTRICT: OWENS

OPERATOR AND ADDRESS: Phoenix

MINE STATUS

METALS: AU, AG, CU ✓

DATE:
5/1/44

✓ Bralorne Mines, Ltd., Van-
couver, B.C. (Ira B.
Joralemon, consultant)

DATE:
5/1/44

Exploration lease

4/45

✓
Coronation Mining Co., Chas. ✓
Milton, Mgr., Bouse

6/44
4/45

Closed
Sampling

MISCELLANEOUS

Clint, C.T., (9-3-1940*)

P. O. Box 146, Flagstaff, Arizona

WANTED copy of report on North Star #1, #2, #4 - V.C. Marks. Sent.

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
FIELD ENGINEERS REPORT

Mine SILVER FIELD MINE Date July 7, 1943
District Owens Mining District, Yuma County Engineer Elgin B. Holt
(Mohave County)
Subject: ADDITIONAL PREMIUM ON COPPER

Attention is called to your memorandum of June 21, in which you enclosed copy of a letter dated June 11, 1943 (File "JL-JAB") to Earl F. Hastings, from R. H. Hayes, of the Copper Division, regarding the Silver Field Mine, located in Mohave County (and Yuma County), Arizona. A copy of the said letter is herewith attached. I note Mr. Hayes states: "You are correct that this type of ore is of interest to us, and you probably know that it is needed by both the Hayden and Clarkdale smelters."

Per your instructions, inasmuch as I have done considerable work on this property, I have interviewed the owners thereof, and they gave me certain data which I am passing on to you, so you may transmit the same to Mr. Hayes, together with my comments. However, Mr. Sidney B. Moour, one of the owners, informed me that the Silver Field Mine is not now being operated; but that a deal is pending with responsible people, reported by Mr. E. P. Crawford, of Saratoga, California, and if a deal is made, these people will take the matter up with Mr. Hayes. In fact, Mr. Crawford has already corresponded with Mr. Brent N. Rickard, of the American Smelting and Refining Co., concerning smelter treatment charges, etc., on Silver Field ores, and a copy of Rickard's letter to Crawford, about this matter, is herewith attached and made a part of this memorandum. I note Mr. Hayes wants information concerning the following items, to-wit:--

Rate of Production

Under the set-up proposed by Mr. Crawford it is believed around 1500 tons of fluxing ore can be produced monthly, averaging not less than:

| Au-oz. | Ag-oz. | Cu-% | SiO ₂ -% | CaO-% | Al ₂ O ₃ |
|--------|--------|------|---------------------|-------|--------------------------------|
| 0.015 | 14.7 | 1.0 | 66.4 | 7.8 | 2.5 |

Moisture in Ore: 1.1%, based on 10 car lot shipments.

Labor: 21 men will be required

Costs per Ton: Estimated costs on basis of dry tons:

- (a) Mining: see following estimate
- (b) Development: No development work will be needed, as Silver Field ore occurs in surface blanket deposits, with no overburden; and ore can be mined by open pit methods.
- (c) Milling: None
- (d) Trucking to R.R.: See following estimate
- (e) Railroad freight to smelter: See following estimate
- (f) Smelting: See following estimate
- (g) Overhead: See following estimate
- (h) Royalty: See following estimate

ESTIMATE OF COSTS PER TON OF ORE MARKETING:

Daily mining and overhead costs:

Overhead:

| | | | |
|-------------------------|-----------|----------|----------|
| 1 - Superintendent | - - - - - | \$ 12.00 | |
| 1 - Foreman | - - - - - | 10.00 | |
| 1 - Bookkeeper | - - - - - | 10.00 | |
| 1 - Pickup truck driver | - - - - - | 7.50 | \$ 39.50 |

Mining Work:

| | | | |
|-----------------------|-----------|----------|--------|
| 1 - Assayer | - - - - - | \$ 10.00 | |
| 1 - Assayer's helper | - - - - - | 7.50 | |
| 1 - Sampler | - - - - - | 7.50 | |
| 8 - Machine men | - - - - - | 64.00* | |
| 4 - Muckers | - - - - - | 30.00# | |
| 1 - Mechanic | - - - - - | 10.00 | |
| 1 - Mechanic's helper | - - - - - | 7.50 | 136.50 |
| * At \$8.00 daily | | | |
| # At \$7.50 daily | | | |

| | | |
|---|-----------|------------|
| Total daily payroll | - - - - - | \$ 176.00 |
| Total monthly payroll (25 working days) | - - - - - | \$4,400.00 |

Plus sundry monthly costs:

| | | |
|---|-----------|-------------------|
| Workmen's comp. ins., 14% of payroll, as mine is 60 mi. | | |
| from medical service | - - - - - | \$ 616.00 |
| Occupational disease ins., estimated at 0.5% of payroll | - - - - - | 22.00 |
| Social security & old age benefit, 1.0% of payroll | - - - - - | 44.00 |
| Workmen's unemployment comp., 2.7% of payroll | - - - - - | 118.80 |
| Repairs and replacements of drill steel and tools | - - - - - | 300.00 |
| Explosives and fuel oil, etc. | - - - - - | 750.00 |
| Miscellaneous expenses | - - - - - | 250.00 |
| | | <u>\$2,100.80</u> |

TOTAL - - - - - \$6,500.80

Based on a production of 1500 tons of desirable fluxing ore monthly, costs per ton would be: \$6,500.80 divided by 1500, equals - - \$4.33.

Smelting charges per ton, incl. R.R. freight:

The estimate concerning this item is based on 582 tons of ore shipped from Silver Field by Mildred Mining Company to the El Paso Smelting Works, average results of said shipments being as follows:-

Assays:

| | <u>Tons</u> | <u>Ag</u> | <u>Ag</u> | <u>Cu</u> | <u>SiO2</u> | <u>CaO</u> | <u>Al2O3</u> |
|-----------------------|-------------|-----------|-----------|-----------|-------------|------------|--------------|
| 1. Mildred Mining Co. | | | | | | | |
| Shipments - - - - - | 582 | .015 | 14.7 | 1.0 | 66.4 | 7.8 | 2.5 |

Payments:

| | <u>No. 1</u> |
|--------|--------------|
| Silver | \$9.65 |
| Copper | <u>1.03</u> |
| | 10.68 |

Deductions:

| | |
|---|-------------|
| Base charge | 1.75 |
| Over \$10 @ .10 .07 | <u>1.82</u> |
| F.O.B. Hayden | 8.86 |
| Freight - 3% tax | 2.58 |
| Net at Bouse per ton on Smelter Settlement | 6.29 |
| Metals Reserve premium | |
| Zero "A" quota | <u>.97</u> |
| Total per ton at Bouse, Station on S.F. Ry. | \$7.25 |

Note:

The above results were copied from letter from Brent N. Rickard to E. P. Crawford; said letter being attached hereto, and dated May 31, 1943.

Summary:

| | |
|--|---------------|
| Total per ton at Bouse - - - - - | \$7.25 |
| Less costs per ton of ore marketed:- | |
| Operating costs per ton - - - - - | \$4.33 |
| Royalty: 10% of \$7.25 - - - - - | .72 |
| Trucking to Bouse, from mine - - - - - | 2.00 |
| Interest on a capital investment of \$25,000, at 1% per month- - - - - | .16 |
| Estimated net profit per ton - - - - - | <u>.04</u> |
| | <u>\$7.25</u> |
| | <u>\$7.25</u> |

Conclusion:

I have had a talk with Mr. E. P. Crawford, and both he and I believe that a slightly better grade of ore can be produced from Silver Field than the grade on which the above estimate is based; and thereby the average tenor of shipping ore might be brought up to 1.5% copper, and silver values increased accordingly.

Therefore, it is believed that any operator of this property could make something above operating costs, when and if arrangements could be made with the Quota Committee, War Production Board, to grant an additional premium of 7¢ per pound for copper.

(signed) Elgin D. Holt

Field Engineer

cc - Sidney B. Moeur
E. P. Crawford

C
O
P
Y

WAR PRODUCTION BOARD

Washington, D. C.

June 11, 1943

In Reply Refer To:
4H-JAB

Mr. Earl F. Hastings
 Assistant Director
 Department of Mineral Resources
 413 Home Builders Building
 Phoenix, Arizona

Dear Mr. Hastings:

Receipt is acknowledged of your letter of May 21st, enclosing field engineer's report on the Silver Field Mine, located in Mohave County, Arizona.

You are correct that this type of silicious ore is of interest to us, and you probably know that it is needed by both the Hayden and Clarkdale smelters.

If the Mildred Mining Company desire to operate this property and believe that they should receive a price above 17¢, f.o.b., Connecticut Valley, for their copper, it is suggested that they furnish the Copper Division with the following information:

Rate of Production: Conservative estimate of monthly production in tons of ore; average grade of copper, gold, silver, etc.
Moisture: Give approximate percent of moisture of ore or concentrates.
Labor: Approximately how many additional men will you require?
Costs per ton: Estimated costs on basis of wet tons

- (a) Mining
- (b) Development
- (c) Milling, if any
- (d) Trucking ore or concentrates to smelter
- (e) Railroad freight to smelter
- (f) Smelting, base charge and penalties
- (g) Overhead, detail largest items
- (h) Royalty

If the above data support the Company's contention that a price in excess of 17¢ is necessary for profitable operation, the Primary Production Branch of the Copper Division will recommend a higher price to the Quota Committee.

I wish to thank you for submitting the report, and I trust that it will not be long before this property is placed in operation.

Yours truly

/s/ F. H. Hayes
 Assistant Chief
 Primary Production Branch
 Copper Division

C
O
P
Y

AMERICAN SMELTING AND REFINING COMPANY
 Southwestern Ore Purchasing Dept.
 610 Valley Bank Bldg.
 P. O. Box 2229
 Tucson, Arizona

Brent N. Rickard
 Manager

May 31, 1943

✓
 Mr. E. P. Crawford
 Saratoga, California ✓

SILVERFIELD MINE, OWENS MINING DISTRICT, YUMA CO. (MOHAVE) ARIZ.
SHIPPING POINT HOUSE

Dear Sir:

In reply to your letter of May 22nd:

In order to assist you in the production of approximately 1,000 tons per month of low grade fluxing ore we would quote special purchase terms as outlined in the enclosed memorandum schedule issued at this time for calculation purposes only. If you decide to proceed with this operation and will advise me the approximate date when shipments may start, name in which shipments will be made, and send me a copy of your lease or an abstract quoting terms pertaining to marketing of ore and payment of royalty, I shall be glad to confirm these terms in a firm offer. This offer is subject to acceptance within thirty days, after which time I shall be glad to review the matter again.

On the attached sheet I show average assays of past shipments from Silverfield Mine and of three samples recently submitted by Mr. Elgin B. Holt to our Hayden Smelter. I show also detail of the various payments and deductions.

Smelter settlement is based on current quotations for gold, silver, and copper less the deductions noted in the schedule. The net refinery cathode quotation for copper is 11.65 cents per pound less refining deduction of 2.6¢, or net smelter payment of 9.05 cents per pound. Smelter settlement is made within ten days after arrival of ore at the Smelter.

The Metals Reserve Company premium of 5 cents per pound for 97% of copper contained must be obtained through application to the Quota Committee in Washington, as outlined in the circular letter and suggested form enclosed. Additional premium for copper is handled also by the Quota Committee upon special application. You might write to the Committee giving as much information as you can regarding past production, mining costs, ore reserves, estimated shipments on the 5 cent premium, and estimated increase and grade if additional premium is granted.

Metals Reserve premium checks are sent out by the receiving smelter after required affidavits have been submitted and accepted by Metals Reserve Company. This procedure takes from 60 to 90 days after receipt of ore at the Smelter.

Yours very truly

(signed) Brent N. Rickard

Mr. E. P. Crawford - () Oga, California

SILVERFIELD MINE, OWENS MINING DISTRICT
YUMA COUNTY (MOHAVE CO.) ARIZONA

Assays

| | <u>Tons</u> | <u>Au</u> | <u>Ag</u> | <u>Cu</u> | <u>SiO2</u> | <u>CaO</u> | <u>Al2O3</u> |
|-----------------------|-------------|-----------|-----------|-----------|-------------|------------|--------------|
| 1. Mildred Mining Co. | | | | | | | |
| Shipments | 582 | .015 | 14.7 | 1.0 | 66.4 | 7.8 | 2.5 |
| 2. " " | 165 | .01 | 8.0 | 1.0 | 68.0 | - | 2.5 |
| 3. Sample #4 Holt | | .02 | 5.98 | 2.1 | 55.4 | 16.3 | 1.0 |
| 4. " #5 " | | .02 | 14.78 | 2.4 | 66.7 | 9.5 | 2.2 |
| 5. " #8 " | | .01 | 21.18 | 3.5 | 75.8 | 5.1 | 1.2 |

Payments

| | <u>No. 1</u> | <u>No. 2</u> | <u>No. 3</u> | <u>No. 4</u> | <u>No. 5</u> |
|--------|--------------|--------------|--------------|--------------|--------------|
| Silver | \$ 9.65 | \$ 5.18 | \$ 3.79 | \$ 9.71 | \$13.91 |
| Copper | 1.03 | 1.03 | 2.92 | 3.44 | 5.33 |
| | <u>10.68</u> | <u>6.21</u> | <u>6.71</u> | <u>13.15</u> | <u>19.24</u> |

Deductions

| | | | | | |
|---|-------------|-------------|-------------|-------------|-------------|
| Base Charge | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 |
| Over \$10 @ .10 | .07 | | | .31 | .92 |
| | <u>1.82</u> | | | <u>2.06</u> | <u>2.67</u> |
| F.O.B. Hayden | 8.86 | 4.46 | 4.96 | 11.09 | 16.57 |
| Freight plus 3% Tax | <u>2.58</u> | <u>2.58</u> | <u>2.58</u> | <u>2.68</u> | <u>3.19</u> |
| Net at Bouse per ton on Smelter Settlement | 6.29 | 1.88 | 2.38 | 8.41 | 13.38 |
| Metals Reserve premium Zero "A" Quota | <u>.97</u> | <u>.97</u> | <u>2.04</u> | <u>2.33</u> | <u>3.40</u> |
| Total per ton at Bouse | \$7.25 | 2.85 | 4.42 | 10.74 | 16.78 |

Carload Freight Rates

Bouse to Hayden (Minimum capacity 30 tons)

| | | | | | |
|----------------------|----------------|--------------|--------------|--------------|--------------|
| Value not exceeding: | <u>\$10.00</u> | <u>15.00</u> | <u>20.00</u> | <u>30.00</u> | <u>40.00</u> |
| Rate per ton | \$ 2.50 | 2.60 | 3.10 | 3.65 | 4.15 |

Tucson, Arizona
 May 31, 1943

BRENT N. RICKARD

O
P
Y

AMERICAN SMELTING AND REFINING CO.
Hayden, Arizona

MEMO

PURCHASE SCHEDULE
Date effective May 31, 1943

| | | | |
|---------------|------------------|---------------|---|
| Mine | SILVERFIELD | Location | Owens District, Yuma County (Mohave Co.) Ariz. |
| Shipper | E. P. Crawford | Address | Saratoga, Calif. |
| Character Ore | Copper Siliceous | R. R. Station | House, Ariz. |

The following purchase terms are subject to the General Clauses shown on the back of this sheet, and are subject to prompt acceptance. Unless shipments are begin within 30 days this quotation is automatically cancelled.

P A Y M E N T S

COPPER: Deduct from the wet copper assay eight pounds and pay for ninety-five per cent of the remaining copper at the daily net refinery domestic quotations for electrolytic cathodes as published in the Engineering and Mining Journal of New York averaged for the calendar week preceding date of arrival of last car of each lot at the plant of the Dyer less a deduction of 2.6 cents per pound of copper accounted for. Nothing paid for copper if less than one-half per cent by wet assay.

D E D U C T I O N S

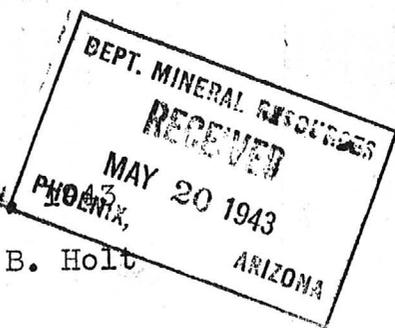
BASE CHARGE: \$1.75 per net dry ton of 2,000 pounds; provided the sum of payments for gold, silver and copper does not exceed \$10.00 per ton. Add to the base charge ten per cent of the excess over \$10.00 to a maximum charge of \$5.00 per dry ton.

TONNAGE: Limited to 1000 tons per month except by special arrangement (per letter attached).

AMERICAN SMELTING AND REFINING COMPANY

By BRENT N. RICKARD (signed)

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
FIELD ENGINEERS REPORT



Mine SILVER FIELD

Date May 14

District Owens, Mohave Co., Arizona

Engineer Elgin B. Holt

Subject:

R E P O R T

OWNER: Mildred Mining Company (a copartnership), owned by Sidney B. Moeur, et al, 611 Title & Trust Bldg., Phoenix, Arizona. J. C. Townsend, Superintendent, Bouse, Arizona.

METALS: Copper and silver.

LOCATION & AREA: This property, consisting of 30 unpatented mining claims, is located on the north side of the Williams River, in the Owens Mining District, Mohave County, Arizona. The property is reached from Bouse, a station on the Santa Fe Railroad, by following a fairly good desert road in a northerly direction 30 miles to the Williams River, over which there is no bridge; but the river here may be crossed during low water season by cars or trucks. On the north side of river is Mildred Camp, consisting of two dwelling houses. From this camp a graded road one mile in length reaches a part of property.

EXAMINATION: On April 10, 1943, I visited Silver Field in company with Mr. J. C. Townsend and Charles McQuillen, the latter having been employed to assist in sampling. We spent two days on property, looking it over and taking a few pilot samples. As a matter of fact, however, in order to do the property justice an engineer should spend at least a month at this mine in order to gather samples and other data on which to base even a preliminary report. And, broadly, a great deal of money would have to be spent in carrying out well-directed exploratory work in order to determine, once and for all, the importance of this property. Nevertheless, I will go on record here and now by saying: Silver Field has all the earmarks of a large low grade copper-silver mine. Also, the ore is desired as fluxing material by the smelters, due to its high silica content. Again, there is now a good chance that an additional premium may be obtained for copper, from our Government, on highly silicious copper ores, and this may amount to at least another 5 cents per pound for copper, in the case of Silver Field.

GEOLOGY - ORE DEPOSITS: Within the confines of this property the basal rock formation consists of several eroded hills composed of pre-Cambrian gneiss. These hills are capped by alternating beds of quartzite and silicified limestone strata to a thickness of from 20 to 40 feet. Large areas of the quartzite strata and a part of the limestone strata were originally transformed into low grade ore by means of percolating thermal solutions carrying copper and silver values. In other words, the ores of this property occur as huge replacement deposits mainly in quartzite, but partly in silicified limestone. There is no overburden, so the ore may be mined by quarrying.

GOLD VEIN: On the contact between the basal Gneiss and the overlying copper-silver ore deposits, mentioned, is a gold-bearing vein about 4 feet wide, opened by an inclined shaft to a depth of 60 feet. During 1940-41, James Becker and L. Marks shipped two small lots of ore from this shaft to the Wickenburg Ore Market, the results of which were as follows:

| <u>Date</u> | <u>Lot No.</u> | <u>Pounds</u> | <u>Au-oz.</u> | <u>Ag-ozs.</u> | <u>Gross Value</u> |
|--------------------------|----------------|---------------|---------------|----------------|--------------------|
| 7/9/40 - | 266 | 1296 | 1.10 | 1.00 | \$ 35.42 |
| 6/24/41- | 237 | 4888 | 0.77 | 1.00 | 25.49 |
| *50 tons reject on dump: | | | 0.15 | 1.00 | 5.95 |

* Per sampling by E. B. Holt.

NOTE: The importance of this gold-bearing vein will not be discussed in this report, due to the obvious fact that gold mines are not now being worked. Again, the Silver Field property is essentially a copper-silver mine and not a gold mine.

DIMENSIONS OF MINERALIZED AREAS - MINE WORKINGS: The two main mineralized areas, examined by me and on which exploratory work has been done, are the NORTH STAR HILL and the BIG HILL, both of which have been explored to some extent by a number of cuts and test pits. The approximate dimensions of these two areas are as follows:

The copper-silver bearing deposit of the North Star Hill measures roughly 600 feet long by 150 feet wide by 20 feet deep, equaling 1,800,000 cubic feet, which, divided by 12, contains 150,000 tons of low grade ore, the assay value of which has only partially been determined, as will be discussed later in this report.

The copper-silver bearing deposit of the Big Hill is about 1200 feet long by 600 feet wide by 30 feet thick, equaling 21,600,000 cubic feet, which, divided by 12, contains around 1,800,000 tons of low grade ore, the assay value of which has only partially been determined.

Hence, the total low grade "ore" tonnage of the said two deposits approximates 1,950,000 tons.

In addition, there are a number of other mineralized area within property, on which very little development work has been done, and these are not taken into account in estimating the potential ore tonnage of property.

PRODUCTION RECORD: During 1941 and a part of 1942, Silver Field was operated by the Mildred Mining Company, under the supervision of J.W.C. Townsend. Ore shipped during this period to the Clarkdale, Superior and Hayden smelters amounted to 15 car loads, averaging about 40 tons each, with the following assay values:

| | | | | | | | |
|--------------|--------------|-------------|-----------------|-------------|------------|-------------|--------------|
| <u>Au-oz</u> | <u>Ag-oz</u> | <u>Cu-%</u> | <u>Silica-%</u> | <u>Al-%</u> | <u>S-%</u> | <u>Fe-%</u> | <u>CaO-%</u> |
| 0.02 | 14.0 | 1.0 | 67.0 | 2.8 | 1.0 | 2.7 | 9.0 |

The above car lots of ore were selectively mined from the North Star Hill deposit; reject material amounting to around 3 tons for each ton of ore produced.

ASSAYS: During my examination of this property, I took 8 pilot samples, as follows: Samples Nos. 1, 2, 3, 6 & 7, from reject material, which were assayed by the Arizona Assay Office, Phoenix, Arizona; and samples Nos. 4, 5 & 8, from small lots of sorted ores at mine, which were analyzed by the American Smelting & Refining Company, Hayden, Arizona. The assay results of the said sampling are set forth in the following table, to-wit:

| No. | Description | Oz. / ton | | Per cent: | | | | |
|-----|---|-----------|-----------|-----------|-------------|-----------|------------|--------------|
| | | <u>Au</u> | <u>Ag</u> | <u>Cu</u> | <u>SiO2</u> | <u>Fe</u> | <u>CaO</u> | <u>Al2O3</u> |
| 1. | 200 tons reject, Peach Cutz. Cut, N. Star Hill -- | Tr. | 7.20 | 0.40 | - | - | - | - |
| 2. | 470 tons reject, Long Chute Cut, N. Star Hill -- | Tr. | 4.00 | 0.29 | - | - | - | - |
| 3. | 140 tons reject, East Cut, N. Star Hill ----- | Tr. | 10.50 | 0.40 | - | - | - | - |
| 6. | 350 tons reject, West Cut, Big Hill ----- | 0.01 | 19.70(?) | 0.71 | - | - | - | - |
| 7. | 50 tons reject, Gold Shaft ---- | 0.15 | 1.00 | - | - | - | - | - |
| 4. | 7 tons sorted ore, Cut on top of Big Hill --- | 0.02 | 5.98 | 2.10 | 55.4 | 2.1 | 16.3 | 1.0 |
| 5. | 100 tons sorted ore, West Cut, Big Hill ----- | 0.02 | 14.78 | 2.40 | 66.7 | 1.8 | 9.5 | 2.2 |
| 8. | 10 tons sorted ore, Long Chute, N. St. Hill --- | 0.01 | 21.18 | 3.50 | 75.8 | 1.6 | 5.1 | 1.2 |

REMARKS: The said sorted ore samples Nos. 4, 5 & 8, were shipped by me for analysis by the Hayden smelter, with a view to determining whether or not an operating profit might be made by shipping low grade copper-silver ores from this property, inasmuch as such ores are desired as fluxing material by the copper smelters of Arizona, due to the high silica content therein. Also at the time these samples were shipped, I wrote a letter to Mr. Brent N. Rickard, Manager of the Ore Purchasing Department, of the American Smelting & Refining Co., Tucson, Arizona, requesting him to quote smelting and freight rates on Silver Field ores, using as a basis results of the assays of the three samples referred to.

Complying with my request, under date of April 24, 1943, Mr. Rickard wrote a letter, to owners of property, as per the following copy thereof:

AMERICAN SMELTING AND REFINING COMPANY
Southwestern Ore Purchasing Department

810 Valley Bank Building
P. O. Box 2229
Tucson, Arizona
April 24, 1943

Brent N. Rickard
Manager

✓ Mr. Sidney B. Moeur
✓ Mildred Mining Company
611 Title & Trust Bldg.
Phoenix, Arizona ✓

SILVERFIELD GROUP, OWENS MINING DISTRICT,
YUMA COUNTY, ARIZONA--HANDSAMPLE ASSAYS

Dear Sir:

Under date of April 13, 1943, Mr. Elgin B. Holt of the Department of Mineral Resources, Kingman, Arizona, forwarded to our Hayden Plant three samples of ore from the Silverfield Mine. The results are as follows:

| Sample Number | Oz./ton | | Per cent: | | | SiO ₂ | Fe | CaO | Al ₂ O ₃ |
|---------------|---------|--------|-----------|--------|------|------------------|-----|------|--------------------------------|
| | Gold | Silver | Lead | Copper | Ins. | | | | |
| 4 | 0.02 | 5.98 | -- | 2.10 | 57.1 | 55.4 | 2.1 | 16.3 | 1.0 |
| 5 | .02 | 14.78 | -- | 2.40 | 70.1 | 66.7 | 1.8 | 9.5 | 2.2 |
| 8 | .01 | 21.18 | -- | 3.50 | 77.9 | 75.8 | 1.6 | 5.1 | 1.2 |

Assuming zero A quota for copper, the outcome in carload lots under the terms of the enclosed Schedule F would be substantially as follows:

| | No. 4 | No. 5 | No. 8 |
|--------------------------|----------------|----------------|-----------------|
| <u>Payments:</u> | | | |
| Silver | \$ 3.86 | 9.71 | 13.91 |
| Copper | <u>2.92</u> | <u>3.44</u> | <u>5.33</u> |
| Total | <u>6.78</u> | <u>13.15</u> | <u>19.24</u> |
| <u>Deductions:</u> | | | |
| Base charge | 3.50 | 3.50 | 3.50 |
| Surcharge val. over \$15 | | | <u>.42</u> |
| F.o.b. Hayden | <u>3.28</u> | <u>9.65</u> | <u>15.32</u> |
| Freight + 3% tax | <u>2.59</u> | <u>2.59</u> | <u>2.69</u> |
| Net at Bouse | \$.69 | \$ 7.06 | \$12.63 |
| Metal Reserve Cu premium | <u>2.04</u> | <u>2.33</u> | <u>3.40</u> |
| Total net at Bouse | \$ <u>2.73</u> | \$ <u>9.39</u> | \$ <u>16.03</u> |

Carload freight rates from Bouse to Hayden and to Clarkdale are as follows:

| Bouse To: | Minimum Capacity | Value not exceeding: | | | |
|-----------|------------------|----------------------|-------|-------|-------|
| | | \$7.50 | 10.00 | 12.50 | 15.00 |
| Hayden | 30 tons | 2.50 | 2.50 | 2.60 | 2.60 |
| Clarkdale | 20 " | 2.80 | 2.80 | 2.80 | 2.80 |
| | 30 " | 1.75 | 1.75 | 2.10 | 2.10 |
| | 50 " | 1.40 | 1.80 | 1.80 | 2.10 |

Mr. Sidney B. Moeur

-2-

April 24, 1943

Because of the lower freight rates to Clarkdale I believe it would be to your advantage to ship to that smelter. However, if you want to ship part or all of your proposed tonnage to Hayden, in order to absorb the difference in freight charge, we shall be glad to consider modification of our usual base charge, as shown in Schedule F enclosed, after receipt of one or two trial carloads. It is probable that for regular shipments the treatment rate could be improved by about \$1.00 per ton, or whatever amount is necessary to equalize the freight.

You may be able to receive the benefit of additional premium on the copper if you will make application of the Quota Committee and give them your best estimate of mining costs, ore reserves, expected tonnage available for shipment under better copper price. It would be advisable to accompany your application with one or two settlements on past shipments. In your application you might state that Hayden Smelter has agreed to accept 500 tons per month if trial shipments prove the ore to be acceptable, and might be in position to accept additional tonnage depending upon conditions at the time. We would prefer, however, to have you market some of this ore with one of the other smelters.

Yours very truly,

BRENT N. RICKARD

Enc.

cc: Mr. Elgin B. Holt
Department of Mineral Resources
Kingman, Arizona

COMMENTS: Referring to the above letter, and using Sample No. 5, which gave medium results, as a basis for calculating possible profits, car lots of such ore would net owners at Bouse, including Metals Reserve premium on copper, \$9.39 per ton, and if owners should be able to get an additional premium of 5 cents per pound on copper, that would add \$2.33 in the way of profit to the above item, making net profit at Bouse 11.72 per ton of ore marketed to Hayden. Per Mr. Townsend, the cost of trucking ore from Silver Field to Bouse should not exceed \$2.00 per ton; and the cost of selectively mining a ton of shipping ore at property should not exceed \$3.00 per ton, as a rank guess. Under this line of reasoning, the net profit that might be derived from shipping ore of a grade represented by Sample No. 5, would approximate \$6.72 per ton.

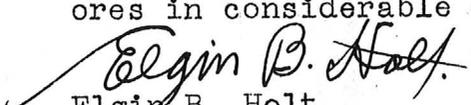
Also, it will be noted that Rickard stated: "It is probable that for regular shipments the treatment rate could be improved by about \$1.00 per ton". Again, there is a matter of silica credit, that Rickard did not go into, and which should amount to about 45 cents per ton on this type of ore.

The above figures are very rough indeed; but they may give some idea, to interested parties, as to what might be expected in the way of shipping silicious ores from this property.

SELECTIVE MINING: The writer believes that this property would lend itself to selective mining operations by employing the following methods:

Mining should be carried on by means of opening pits in the mineralized areas, and such work has already been started. These pits should be deepened to bed rock and extended on all sides by use of wagon drills. Each hole should be sampled in 4 foot sections by the use of the "vacuum dust process", whereby even samples from succeeding points in the drill holes may be obtained. All samples should be assayed before any given hole is blasted. And then, "pay holes" should be shot separately from the holes which have negligible values. Also, holes that show little or no values, should be blasted or not depending on whether it is necessary to remove waste material in order to extract ores adjacent to the poor holes. In the event large bodies of waste should be encountered, such bodies should be allowed to stand, and not broken by any means. It is my candid opinion and belief that by employing the above methods, at least 500,000 tons of ore could be mined at the Silver Field property, carrying sufficient values in copper and silver, so that a considerable profit should be made above all operating costs.

It must be understood, however, that this is merely a preliminary report, - a report based on inadequate data, to say the least. Unquestionably, the property more than warrants a careful examination by anyone looking for a highly silicious copper mine, with a view to shipping fluxing ores either to Hayden or to Clarkdale, as both smelters at these points are in need of silicious fluxing ores in considerable quantity.


Elgin B. Holt,
Field Engineer.

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/s/ Elgin B. Holt

Elgin B. Holt
Field Engineer

WICKENBURG ORE MARKET

Operated by John C. Herr

Wickenburg, Arizona July 26, 1940
 Settlement for Lot No. 296
 Classification:

Shipper: Jim Becker & Co.
 Address: Bouse

New Weight of Lot: 10.593 lbs.
 Moisture: 3% 317 lbs.

Name of Claim: North Star
 Mining District:
 County: Yuma

Net Dry Weight: 10.276 lbs.
 Equivalent in tons (2000 lbs): 5.138 Tons

PAYMENTS PER TON

| ASSAY | AMOUNT PAID FOR | RATE | VALUE |
|----------------------|---------------------|-----------------|---------|
| Gold: 0.015 ozs. | | oz. at 70¢ | \$13.30 |
| Silver: 20.00 ozs. | 95% ----- 19.00 oz. | lbs. at 8 1/4 ¢ | 1.25 |
| Copper: 1.20-40 Pct. | 0.80%-16# 95%-15.20 | | |
| Lead: | | | |

Value per ton at shipping(weight) point: \$14.55

Freight rate per ton \$ 2.50
 Smelter--Treatment per ton: 3.50
 \$ 6.00 6.00

Net smelter value per dry ton: \$8.55

Total net smelter value of 5.138 net dry tons at \$8.55 \$43.93

Brokerage 10 per cent (\$2.00 ton minimum): \$10.27
 Sampling--Assaying: None

\$10.27 10.27

Net amount due shipper \$ 33.66

Approved by:

I assay nothing.

WICKENBURG ORE MARKET

Operated by John C. Herr

Wickenburg, Arizona. . . . July 9, 1940

Settlement for Lot No. 266
Classification:

Shipper: Jim Becker
Address: Bouse

Net Weight of Lot: 1336 lbs.
Moisture: 3% 40 lbs

Name of Claim: N. Star
Mining District: Owens
County: Mohave

Net dry weight: 1296 lbs.

Equivalent in tons (2000 lbs) 0.648 Tons

PAYMENTS PER TON

| ASSAY | AMOUNT PAID FOR | RATE | VALUE |
|-------------------|-----------------|----------|----------|
| Gold: 1.10 ozs. | All oz. at | \$ 32.20 | \$ 35.42 |
| Silver: 1.00 ozs. | None oz. at | | |
| Copper: Pct. | lbs. at | | |
| Lead: Pct. | lbs. at | | |

Value per ton at shipping point: - - - - \$ 35.42

Freight rate per ton: \$3.25
Smelter--Treatment per ton: 5.50
\$8.75

8.75

Net smelter value per dry ton - - - - - \$ 26.67

Total net smelter value of 0.648 net dry tons at \$ 26.67 \$ 17.28

Brokerage 10 per cent (\$2.00 ton minimum): \$2.00
Sampling----Assaying 3.50

5 ton lots or over, no charge for Sampling and Assaying

\$5.50

If you are not satisfied with your returns, go out and take a 50 lb. grab sample off your ore pile at my expense

Net Amount Due Shipper: - - - - - \$ 11.78
Less advance - - - - - 1.00
\$ 10.78

Approved By:

W I C K E N B U R G O R E M A R K E T

Operated by John C. Herr

Wickenburg, Arizona . . . June 24th, 1940

Settlement for Lot. No. 235

Classification:

| | | | |
|---------------------------|--------------------------------|-------|------|
| Shipper: James Becker | Net Weight of Lot: | 9153 | lbs. |
| Address: Bouse | Moisture: 3% | 274 | lbs. |
| Name of Claim: North Star | Net dry weight: | 8879 | lbs. |
| Mining District: Owens | | | |
| County: Mohave | Equivalent in tons (2000 lbs): | 4.439 | Tons |

PAYMENTS PER TON

| ASSAY | AMOUNT PAID FOR | RATE | VALUE |
|--------------------------------|-----------------|----------------|--------|
| Gold: 0.03 ozs | All | oz. at \$32.20 | \$0.97 |
| Silver: 32.40 ozs. | 95% - 30.78 | oz. at 70 | 21.55 |
| Copper: 1.80-4.0-1.40 pct. 28# | Pay 95%--266# | lb. at 8½¢ | 2.26 |
| Lead: | | | |

Value per ton at shipping point: \$ 24.78

| | | |
|------------------------------|-------------|---------|
| Freight rate per ton: | \$2.85 | |
| Smelter - Treatment per ton: | <u>4.48</u> | |
| | 7.33 | \$ 7.33 |

Net smelter value per dry ton: \$ 17.45

Total net smelter value of 4.439 net dry tons at \$17.45 \$ 77.46

| | |
|---|---------|
| Brokerage 10 per cent (\$2.00 ton minimum): | \$ 8.86 |
| Sampling--Assaying | None |

8.86 8.86

5 ton lots or over, no charge for Sampling and Assaying \$ 68.60

If you are not satisfied with your returns, go out and take a 50 lb. ~~grade~~ grab sample off your ore pile at my expense

A pproved By: Net Amount Due Shipper: \$ 68.60

WICKENBURG ORE MARKET

Operated by John C. Herr

Wickenburg, Arizona. June 24, 1940

Settlement for Lot No. 237

Classification:

| | | | |
|------------------------|--------------------------------|-------|------|
| Shipper: James Becker | Net Weight of Lot: | 5038 | lbs. |
| Address: Bouse | Moisture: 3% | 150 | lbs. |
| Name of Claim: N. Star | Net dry weight: | 4888 | lbs. |
| Mining District: Owens | | | |
| County: Mohave | | | |
| | Equivalent in tons (2000 lbs). | 2.444 | Tons |

PAYMENTS PER TON

| Assay | Amount Paid For | Rate | Value |
|-------------------|----------------------------------|----------------|----------------|
| Gold: 0.77 ozs. | All | oz. at \$32.20 | \$24.79 |
| Silver: 1.00 ozs. | All | oz. at .70 | 70 |
| Copper: | | | |
| Lead: | | | |
| | Value per ton at shipping point: | ----- | <u>\$25.49</u> |
| | Freight Rate per ton: | \$2.85 | |
| | Smelter-- Treatment per ton: | <u>4.55</u> | |
| | | \$7.40 | <u>7.40</u> |
| | Net smelter value per dry ton: | ----- | \$18.09 |

Total net smelter value of 2.444 net dry tons at \$18.09 \$44.21

Brokerage 10 per cent (\$2.00 ton minimum): \$ 4.88

Sampling - Assaying: ----- None

5 tons lots or over, no charge for Sampling and Assaying

If you are not satisfied with your returns, go out and
take a 50 lb. grab sample off your ore pile at my expense \$ 4.88 4.88

Net Amount Due Shipper: \$ 39.33

Approved By:

A S S A Y C E R T I F I C A T E

July 23d, 1940

I hereby certify that the Samples described below received from

North Star Mine - J. Becker - Associated.

| Sample No. | Owner's mark on Sample | GOLD | | SILVER | | 'Total value' 'per ton 'Gold&Silver' | Percentage of 'Copper-lead' |
|----------------------------|---------------------------|----------------|----------------------|--------------------|----------------------|--|--------------------------------|
| | | 'ozs. per ton' | 'Value ' per ton' | 'ozs. per ' ton | 'value ' per ton' | | |
| Sample off silver ledge | Shot | 0.03 | \$0.96 | 4.00 | 2.80 | \$3.76 | 1.40 |
| " " | Away over | 0.06 | 1.92 | 6.60 | 4.62 | 6.54 | 1.80 |
| 200 ton silver dump | Big dump | 0.03 | .96 | 17.80 | 12.46 | 13.42 | 0.50 |
| Above & be- low vein | | | | | | | |
| Gold tunnel | Face Gold Hole | 0.10 | 3.22 | 0.50 | 0.35 | 3.57 | |
| Gold Tunnel | Gold dump | 0.08 | 2.58 | 0.20 | 0.14 | 2.72 | |
| Various rocks off | 1 Black | 0.03 | .96 | 2.00 | 1.40 | 2.36 | |
| | 2 Grey Quartz | 0.04 | 1.29 | 4.00 | 2.80 | 4.09 | |
| silver ledge | 3 Vanadium Limé | 0.04 | 1.29 | 2.20 | 1.54 | 2.83 | |
| | 4 Stain | 0.04 | 1.29 | 145.10 | 101.57 | 102.86 | 6.20 |

(SD) JOHN C. HERR

ASSAYER.

A S S A Y C E R T I F I C A T E

June 24, 1940

I hereby certify that the Samples described below received from

Jim Becker

assay as follows:

| Sample No. | Owner's mark on sample | GOLD | | SILVER | | 'Total value per Ton ' per ton' |
|------------|---------------------------|---------------|----------------------|---------------|----------------------|------------------------------------|
| | | 'ozs per ton' | 'Value ' per ton' | 'ozs per ton' | 'Value ' per ton' | |
| K | Sample | 0.74 | 23.82 | 0.75 | .52 | 24.34 |

General face of 40 ft. gold tunnel, when vein was running 2-1/2 feet wide.

(SD) JOHN C. HERR

ASSAYER.

AMERICAN SMELTING AND REFINING COMPANY
HAYDEN PLANT

Shipper - James Becker
Address - c/o L. Marks
Shipping Point - Bouse, Arizona.

Hayden, Arizona, June 1st, 1940
Smelter Lot 655
Class - Crude Shipper's Lot 1

| Number | GAR Initial | WEIGHT IN POUNDS | | | | H.O. | Dry Weight | N. Y. QUOTATIONS | |
|--------|-------------|------------------|-------|--------|------------|---------|------------------|------------------|------------------|
| | | Gross | Tare | Net | | | | Settlement Date | Bill Lading Date |
| 171104 | A.T. | 112420 | 46480 | 65940 | 1.0 | 65281 | Settlement Date | 6-12 | |
| | | | | | | | Bill Lading Date | 6-9 | |
| | | | | | | | Copper | .11150 | |
| | | | | | | | Less | .025725 | |
| | | | | | | | Net | .085775 | |
| | | Tons | Net | 32.970 | Dry Weight | 32.6405 | | | |

| PAYMENT FOR METALS | | | | | | | VALUE | |
|-------------------------|----------------------------|-----------|-----------|----------------|------------|--------------|--------------|--------------|
| Elements | Assay per Ton of 2000 lbs. | Deducted | Net Assay | Equiv. in lbs. | % Paid for | Net Paid for | Rate per ton | Total Amount |
| Silver | 23.80 oz. | 23.80 oz. | | | 95 | 22.61 oz | .69125 | 15.63 |
| Copper | 1.00 % .08 % | .4 % | .60 | 12.0 | 95 | 11.4 lb | .085775 | .98 |
| Total payment of Metals | | | | | | | | 16.61 |

CHARGES AND CREDITS

Drs.

BASE CHARGE: F.O.B. HAYDEN for Metal Payments, not exceeding \$ per ton 3.50
10% of \$ 1.61 excess over \$15.00 per ton - - - - - .16

ANALYSIS

| | | |
|-----------|----|-----|
| Insoluble | 71 | 7 % |
| Silica | 67 | 0 % |
| Alumina | 2 | 5 % |
| Iron | 1 | 5 % |
| Line | 8 | 3 % |

P A I D
JUNE 18, 1940
AMERICAN S. & R. CO.
Hayden, Arizona

| | |
|-------------------|-------|
| Total Deductions | 3.66 |
| Net Value per Ton | 12.95 |

| | DEBITS | CREDITS |
|---|--------|---------|
| Total Value on 32.6405 Dry Tons @ 12.95 Per Ton | | 422.69 |
| Less Freight 32.970 Wet Tons @ 2.60 Per Ton | 85.72 | |
| Withheld pending receipt of Silver Affidavit | 264.71 | |
| Balance due Shipper | 72.26 | |

Made by W.W.M. Checked W.W.H.

AMERICAN SMELTING AND REFINING COMPANY
HAYDEN PLANT

Shipper J. Becker
Address c/o L. Marks, Bouse, Arizona
Shipping Point Bouse, Arizona

Hayden, Arizona, June 24, 1940
Smelter Lot 682
Class Crude Shipper's Lot 2

| CAR | | | | | | | N. Y. QUOTATIONS |
|--------|---------|--------|-------|-------|-------|------------|-----------------------|
| Number | Initial | Gross | Tare | Net | H. O. | Dry Weight | |
| 171263 | | 103360 | 45400 | 57960 | 1.0 | 57380 | Settlement Date 6-18 |
| | | | | | | | Bill Lading Date 6-12 |
| | | | | | | | Copper .11150 |
| | | | | | | | Less .025725 |
| | | | | | | | Net .085775 |
| Tons | | | | | | 28.920 | 22.690 |

| PAYMENT FOR METALS | | | | | | | VALUE | |
|-------------------------|----------------------------|--------------|-----------|---------------|------------|-------------|-------------------|--------------|
| Elements | Assay Per Ton of 2000 lbs. | Net Deducted | Net Assay | Equiv. in lbs | % Paid for | Net Pd. For | Amb. Rate per ton | Total Amount |
| Gold | | | | | | | | |
| Silver | 32.25 Oz. | | | | 95 | 30.6375oz. | .69125 | 21.18 |
| Copper | 1.05 % | .4% | .65 | 13.0 | 95 | 12.35 lbs. | .085775 | 1.06 |
| TOTAL PAYMENT of METALS | | | | | | | | 22.24 |

| CHARGES AND CREDITS | | per ton | Debits |
|---|--|---------|--------|
| BASE CHARGE: F.O.B. Hayden for Metal Payments, not exceeding \$ | | | 3.50 |
| 10% of \$.724 excess over \$ 15.00. | | | .72 |

| Analysis | Deduction |
|----------------|-----------|
| Silica 62.6 % | |
| Alumina 56.7 % | |
| Zinc 3.4 % | |
| Iron 1.5 % | |
| Lime 13.1 % | |

P A I D
6-24-1940
AMERICAN B. & R. CO.
Hayden, Arizona

Per _____

| | | |
|-------------------|--|--------|
| TOTAL DEDUCTIONS | | 4.22 |
| NET VALUE PER TON | | 18.02 |
| Total Value on | 28.690 Dry Tons @ 18.02 | 516.99 |
| Less Freight on | 28.980 Wet Tons @ 3.10 Min. Wt. 60000 lbs. | 93.00 |
| | Withheld pending receipt of silver affidavit | 313.58 |

Balance due Shipper 110.41

Made by WWM Checked WWH

A S S A Y C E R T I F I C A T E

April 29, 1940

I hereby certify that the Samples described below received from

J Becker - Goyn. assay as follows:

| Sample No. | Owner's mark on Sample | GOLD | | SILVER | | Percentage of | |
|------------|--|--------------|--------------|----------------------------|--------------|---------------|-----------------------|
| | | ozs. per ton | ozs. per ton | ozs. per ton | ozs. per ton | Copper | Lead |
| Gold | #1 Face cut | 1.20 | | Face of 40 ft. Gold tunnel | | | when in 30 ft. ore on |
| | 30 ton dump | .30 | | dump of gold tunnel | | | |
| | 300 ton dump | .05 | | 26.00 | 2.00% | | Silver dump |
| | Small silver dump | .08 | | 40.00 | 3.10 | | Silver dump |
| | Chestnut will be up Tuesday to look her over | | | | | | |

(SD) J. C. HERR ASSAYER.

A S S A Y C E R T I F I C A T E

May 6, 1940

I hereby certify that the Samples described below received from

James Becker assay as follows:

| Sample No. | Owner's mark on sample | GOLD | | SILVER | | Percentage of | |
|------------|------------------------|--------------|--------------|--------------|--------------|---------------|------|
| | | ozs. per ton | ozs. per ton | ozs. per ton | ozs. per ton | Copper | Lead |
| | Heads | 0.06 | | 54.00 | 0.80 | | |
| | Conc. | 0.35 | | 250.00 | 3.10 | 21% | |
| | Tails | 0.07 | | 19.00 | 0.30 | | |

THIS WAS MILL RUN TEST OF SILVER DUMP.

TAKE OFF 0.50 FOR WET COPPER AND PAY 8-1/2¢
FIGURE LEAD AT 3-1/2¢ per pound.

Gold @ \$ 32.20 per oz.
Silver @ \$ 0.70¢ per oz.

(SD) JOHN C. HERR ASSAYER.

SUPPLEMENT SHEET.

28. Brief History; Continued;

Understand this property was owned by Mr. Gus Zamorano of Azusa California from about 1924 until about 1932. History bears out that a Mr. Hayden and a Mr. Hart (Who lived on a homestead opposite this property on the Williams River) were murdered in 1932 by a Mr. Douglas (Who has since been executed for these murders, in the Florence prison) and was assisted by two New York gangsters. The gangsters received lighter sentences and I understand they are now out of prison.

Mr. B. M. Reynolds of Bouse told me the story of having seen the ore, that occasioned their deaths. He says Mr. Hayden showed him the ore and told him personally. Quoting Mr. Reynolds "Mr. Hayden showed me a piece of ore about half as large as my hand with wire gold interwoven throughout. The wire gold was as large as a matchstick. I asked Mr. Hayden why he was not working the property, and he said " it belongs to another man " Mr. Hayden further related " I had been prospecting all day and sat down to rest, I accidentally knocked it off the ledge I was sitting on. He further said that no one would ever be able to find the ledge as he had covered it up so thoroughly that it would be impossible to find. Quoting Mr. Reynolds further, I asked him what the man's name was that owned the property, he (Mr. Hayden) said it belongs to Mr. Zamorano. End of Mr Reynolds quotation. These murders were committed on the assumption that Mr. Hayden had a rich cash of wire gold ore.

The gold veins that are reported on this form has just recently been found, and the free gold as panned shows up very prominently. The indications so far on these veins, point very promisingly that they will average wide widths and run to indefinite depths..

AMERICAN SMELTING AND REFINING COMPANY
HAYDEN PLANT

Shipper - James Becker Hayden, Arizona, June 1st, 1940
 Address - c/o L. Marks Smelter Lot 655
 Shipping Point - Bouse, Arizona. Class - Crude Shipper's Lot 1

| Number | Initial | WEIGHT IN POUNDS | | | | H.O. | Dry Weight | N. Y. QUOTATIONS | |
|------------------------------------|---------|------------------|-------|-------|-----|-------|---------------|------------------|------------------|
| | | Gross | Tare | Net | | | | Settlement Date | Bill Lading Date |
| 171104 | A.T. | 112420 | 46480 | 65940 | 1.0 | 65281 | 6-12 | 6-9 | |
| | | | | | | | Copper .11150 | | |
| | | | | | | | Less .025725 | | |
| | | | | | | | Net .085775 | | |
| Tons Net 32.970 Dry Weight 32.6405 | | | | | | | | | |

PAYMENT FOR METALS

VALUE

| Elements | Assay per Ton of 2000 lbs. | Deducted | Net | Equiv. | % | Paid for | Net Paid for | Rate per ton | Amt. | Total Amount |
|-------------------------|----------------------------|-----------|-----|--------|----|----------|--------------|--------------|-------|--------------|
| Silver | 23.80 oz. | 23.80 oz. | | | 95 | 22.61 oz | | .69125 | 15.63 | |
| Copper | 1.00 % | .4% | .60 | 12.0 | 95 | 11.4 lb | | .085775 | .98 | |
| | .08 % | | | | | | | | | |
| Total payment of Metals | | | | | | | | | 16.61 | |

CHARGES AND CREDITS

Drs.

BASE CHARGE: F.O.B. HAYDEN for Met 1 Payments, not exceeding \$ per ton 3.50
 10% of \$ 1.61 excess over \$15.00 per ton - - - - - .16

ANALYSIS

| | | | |
|-----------|----|---|---|
| Insoluble | 71 | 7 | % |
| Silica | 67 | 0 | % |
| Alumina | 2 | 5 | % |
| Iron | 1 | 5 | % |
| Lime | 8 | 3 | % |

P A I D
 JUNE 18, 1940
 AMERICAN S. & R. CO.
 Hayden, Arizona

| | |
|-------------------|-------|
| Total Deductions | 3.66 |
| Net Value per Ton | 12.95 |

DEBITS CREDITS

| | |
|---|--------|
| Total Value on 32.6405 Dry Tons @ 12.95 Per Ton | 422.69 |
| Less Freight 32.970 Wet Tons @ 2.60 Per Ton | 85.72 |
| Withheld pending receipt of Silver Affidavit | 264.71 |
| Balance due Shipper | 72.26 |

Made by W.W.M. Checked W.W.H.

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
FIELD ENGINEERS REPORT

Mine SILVER FIELD

Date May 14, 1943

District Owens, Mohave Co., Arizona

Engineer Elgin B. Holt

Subject: R E P O R T

OWNER: Mildred Mining Company (a copartnership), owned by Sidney Bl Moeur, et al, 611 Title and Trust Bldg., Phoenix, Arizona. J. C. Townsend, Superintendent, Bouse, Arizona.

METALS: Copper and silver.

LOCATION & AREA: This property, consisting of 30 unpatented mining claims, is located on the north side of the Williams River, in the Owens Mining District, Mohave County, Arizona. The property is reached from Bouse, a station on the Santa Fe Railroad, by following a fairly good desert road in a northerly direction 30 miles to the Williams River, over which there is no bridge; but the river here may be crossed during low water season by cars or trucks. On the north side of river is Mildred Camp, consisting of two dwelling houses. From this camp a graded road one mile in length reaches a part of property.

EXAMINATION: On April 10, 1943, I visited Silver Field in company with Mr. J. C. Townsend and Charles McQuillen, the latter having been employed to assist in sampling. We spent two days on property, looking it over and taking a few pilot samples. As a matter of fact, however, in order to do the property justice an engineer should spend at least a month at this mine in order to gather samples and other data on which to base even a preliminary report. And, broadly, a great deal of money would have to be spent in carrying out well-directed exploratory work in order to determine, once and for all, the importance of this property. Nevertheless, I will go on record here and now by saying: Silver Field has all the earmarks of a large low grade copper-silver mine. Also, the ore is desired as fluxing material by the smelters, due to its high silica content. Again, there is now a good chance that an additional premium may be obtained for copper, from our Government, on highly silicious copper ores, and this may amount to at least another 5 cents per pound for copper, in the case of Silver Field.

GEOLOGY - ORE DEPOSITS: Within the confines of this property the basal rock formation consists of several eroded hills composed of pre-Cambrian gneiss. These hills are capped by alternating beds of quartzite and silicified limestone strata to a thickness of from 20 to 40 feet. Large areas of the quartzite strata and a part of the limestone strata were originally transformed into low grade ore by means of percolating thermal solutions carrying copper and silver values. In other words, the ores of this property occur as huge replacement deposits mainly in quartzite, but partly in silicified limestone. There is no overburden, so the ore may be mined by quarrying.

GOLD VEIN: On the contact between the basal gneiss and the overlying copper-silver ore deposits, mentioned, is a gold-bearing vein about 4 feet wide, opened by an inclined shaft to a depth of 60 feet. During 1940-41, James Becker and L. Marks shipped two small lots of ore from this shaft to the Wickenburg Ore Market, the results of which were as follows:

| <u>Date</u> | <u>Lot No.</u> | <u>Pounds</u> | <u>Au-oz.</u> | <u>Ag-ozs.</u> | <u>Gross Value</u> |
|-------------------------|----------------|---------------|---------------|----------------|--------------------|
| 7/9/40 | 266 | 1296 | 1.10 | 1.00 | \$35.42 |
| 6/24/41 | 237 | 4888 | 0.77 | 1.00 | 25.49 |
| ----- | | | | | |
| *50 tons reject on dump | | | 0.15 | 1.00 | 5.95 |

*Per sampling by E. B. Holt.

NOTE: The importance of this gold-bearing vein will not be discussed in this report, due to the obvious fact that gold mines are not now being worked. Again, the Silver Field property is essentially a copper-silver mine and not a gold mine.

DIMENSIONS OF MINERALIZED AREAS - MINE WORKINGS: The two main mineralized areas, examined by me and on which exploratory work has been done, are the NORTH STAR HILL and the BIG HILL, both of which have been explored to some extent by a number of cuts and test pits. The approximate dimensions of these two areas are as follows:

The copper-silver bearing deposit of the North Star Hill measures roughly 600 feet long by 150 feet wide by 20 feet deep, equaling 1,800,000 cubic feet, which, divided by 12, contains 150,000 tons of low grade ore, the assay value of which has only partially been determined, as will be discussed later in this report.

The copper-silver bearing deposit of the Big Hill is about 1200 feet long by 600 feet wide by 30 feet thick, equaling 21,600,000 cubic feet, which, divided by 12 contains around 1,800,000 tons of low grade ore, the assay value of which has only partially been determined.

Hence, the total low grade "ore" tonnage of the said two deposits approximates 1,950,000 tons.

In addition, there are a number of other mineralized area within property, on which very little development work has been done, and these are not taken into account in estimating the potential ore tonnage of property.

PRODUCTION RECORD: During 1941 and a part of 1942, Silver Field was operated by the Mildred Mining Company, under the supervision of J. C. Townsend. Ore shipped during this period to the Clarkdale, Superior and Hayden smelters amounted to 15 car loads, averaging about 40 tons each, with the following assay values:

| <u>Au-oz</u> | <u>Ag-oz</u> | <u>Cu-%</u> | <u>Silica-%</u> | <u>Al-%</u> | <u>S-%</u> | <u>Fe-%</u> | <u>CaO-%</u> |
|--------------|--------------|-------------|-----------------|-------------|------------|-------------|--------------|
| 0.02 | 14.0 | 1.0 | 67.0 | 2.8 | 1.0 | 2.7 | 9.0 |

The above car lots of ore were selectively mined from the North Star Hill deposit; reject material amounting to around 3 tons for each ton of ore produced.

ASSAYS: During my examination of this property, I took 8 pilot samples, as follows: Samples Nos. 1, 2, 3, 6 & 7 from reject material, which were assayed by the Arizona Assay Office, Phoenix, Arizona; and samples Nos. 4, 5 & 8, from small lots of sorted ores at mine, which were analyzed by the American Smelting & Refining Company, Hayden, Arizona. The assay results of the said sampling are set forth in the following table, to-wit:

AMERICAN SMELTING AND REFINING COMPANY
Southwestern Ore Purchasing Department

COPY

810 Valley Bank Building
P. O. Box 2220
Tucson, Arizona
April 24, 1943

Brent N. Rickard
Manager

Mr. Sidney B. Moeur
Mildred Mining Company
611 Title & Trust Bldg.
Phoenix, Arizona

SILVERFIELD GROUP, OWENS MINING DISTRICT,
YUMA COUNTY, ARIZONA--HANDSAMPLE ASSAYS

Dear Sir:

Under date of April 13, 1943, Mr. Elgin B. Holt of the Department of Mineral Resources, Kingman, Arizona, forwarded to our Hayden Plant three samples of ore from the Silverfield Mine. The results are as follows:

| Sample Number | Oz./ton | | Per cent: | | | S102 | Fe | CaO | Al2O3 |
|---------------|---------|--------|-----------|--------|------|------|-----|------|-------|
| | Gold | Silver | Lead | Copper | Ins. | | | | |
| 4 | 0.02 | 5.98 | -- | 2.10 | 57.1 | 55.4 | 2.1 | 16.3 | 1.0 |
| 5 | .02 | 14.78 | -- | 2.40 | 70.1 | 66.7 | 1.8 | 9.5 | 2.2 |
| 8 | .01 | 21.18 | -- | 3.50 | 77.9 | 75.8 | 1.6 | 5.1 | 1.2 |

Assuming zero A quota for copper, the outcome in carload lots under the terms of the enclosed Schedule F. would be substantially as follows:

| | No. 4 | No. 5 | No. 8 |
|--------------------------|---------|---------|---------|
| <u>Payments:</u> | | | |
| Silver | \$ 3.86 | \$ 9.71 | 13.91 |
| Copper | 2.92 | 3.44 | 5.33 |
| Total | 6.78 | 13.15 | 19.24 |
| <u>Deductions:</u> | | | |
| Base charge | 3.50 | 3.50 | 3.50 |
| Surcharge val. over \$15 | | | .42 |
| F. o. b. Hayden | 3.28 | 9.65 | 15.32 |
| Freight + 3% tax | 2.59 | 2.59 | 2.69 |
| Net at Bouse | .69 | 7.06 | 12.63 |
| Metal Reserve Cu premium | 2.04 | 2.33 | 3.40 |
| Total Net at Bouse | \$ 2.73 | \$ 9.39 | \$16.03 |

Carload freight rates from Bouse to Hayden and to Clarkdale are as follows:

| Bouse To: | Minimum Capacity | Value not exceeding: | | | |
|-----------|------------------|----------------------|-------|-------|-------|
| | | \$7.50 | 10.00 | 12.50 | 15.00 |
| Hayden | 30 tons | 2.50 | 2.50 | 2.60 | 2.60 |
| Clarkdale | 20 " | 2.80 | 2.80 | 2.80 | 2.80 |
| | 30 " | 1.75 | 1.75 | 2.10 | 2.10 |
| | 50 " | 1.40 | 1.80 | 1.80 | 2.10 |

Mr. Sidney B. Mosur

-2-

April 24, 1943

Because of the lower freight rates to Clarkdale I believe it would be to your advantage to ship to that smelter. However, if you want to ship part or all of your proposed tonnage to Hayde, in order to absorb the difference in freight charge, we shall be glad to consider modification of our usual base charge, as shown in Schedule F enclosed, after receipt of one or two trial carloads. It is probable that for regular shipments the treatment rate could be improved by about \$1.00 per ton, or whatever amount is necessary to equalize the freight.

You may be able to receive the benefit of additional premium on the copper if you will make application of the Quota Committee and give them your best estimate of mining costs, ore reserves, expected tonnage available for shipment under better copper price. I would be advisable to accompany your application with one or two settlements on past shipments. In your application you might state that Hayden Smelter has agreed to accept 500 tons per month if trial shipments prove the ore to be acceptable, and might be in position to accept additional tonnage depending upon conditions at the time. We would prefer, however, to have you market some of this ore with one of the other smelters.

Yours very truly,

BRENT N. RICKARD

ENC.

c. c. Mr. Elgin B. Holt
Department of Mineral Resources
Kingman, Arizona

| <u>No.</u> | <u>Description</u> | <u>Oz.</u> | <u>Ton</u> | <u>Per Cent:</u> | | | | |
|------------|---|------------|------------|------------------|-------------|-----------|------------|--------------|
| | | <u>Au</u> | <u>Ag</u> | <u>Cu</u> | <u>SiO2</u> | <u>Fe</u> | <u>CaO</u> | <u>Al2O3</u> |
| 1. | 200 tons reject, Peach Qutz. Cut, N. Star Hill -- | Tr. | 7.20 | 0.40 | - | - | - | - |
| 2. | 470 tons reject, Long Chute Cut, N. Star Hill -- | Tr. | 4.00 | 0.29 | - | - | - | - |
| 3. | 140 tons reject, East Cut, N. Star Hill ----- | Tr. | 10.50 | 0.40 | - | - | - | - |
| 6. | 350 tons reject, West Cut, Big Hill ----- | 0.01 | 19.70(?) | 0.71 | - | - | - | - |
| 7. | 50 tons reject, Gold Shaft ---- | 0.15 | 1.00 | - | - | - | - | - |
| 4. | 7 tons sorted ore, Cut on top of Big Hill --- | 0.02 | 5.98 | 2.10 | 55.4 | 2.1 | 16.3 | 1.0 |
| 5. | 100 tons sorted ore, West Cut, Big Hill ----- | 0.02 | 14.78 | 2.40 | 66.7 | 1.8 | 9.5 | 2.2 |
| 8. | 10 tons sorted ore, Long Chute, N. St. Hill --- | 0.01 | 21.18 | 3.50 | 75.8 | 1.6 | 5.1 | 1.2 |

REMARKS: The said sorted ore samples Nos. 4, 5 & 8 were shipped by me for analysis by the Hayden smelter with a view to determining whether or not an operating profit might be made by shipping low grade copper-silver ores from this property, inasmuch as such ores are desired as fluxing material by the copper smelters of Arizona, due to the high silica content therein. Also at the time these samples were shipped, I wrote a letter to Mr. Brent N. Rickard, Manager of the Ore Purchasing Department, of the American Smelting & Refining Co., Tucson, Arizona, requesting him to quote smelting and freight rates on Silver Field ores, using as a basis results of the assays of the three samples referred to.

Complying with my request, under date of April 24, 1943, Mr. Rickard wrote a letter to owners of property as per the following copy thereof:

28. BRIEF HISTORY. Understnad the silver ledge has been worked off and on since 1900.

Light tramways were built at one time to get the ore to the river for wagon transportation into Bouse, thence by rail to San Francisco. The operators paid \$20.00 per ton to get their ore into Bouse. Understand this ore when chlorided was worth \$60. to \$75.00 per ton. Roads are now in that can be negotiated by heavy dual wheeled trucks.

Understand this property was owned by Mr. Gus Zamorano of Azusa California from about 1924 until about 1932. History bears out that a Mr. Hayden and a Mr. Hart (who lived on a homestead opposite this property on the Williams River) were murdered in 1932 by a Mr. Douglas (who has since been executed for these murders in the Florence prison) and was assisted by two New York gangsters. The gangsters received lighter sentences and I understand they are now out of prison.

Mr. B. M. Reynolds of Bouse told me the story of having seen the ore, that occasioned their deaths. He says Mr. Hayden showed him the ore and told him personally, quoting Mr. Reynolds, "Mr. Hayden showed me a piece of ore about half as large as my hand with wire gold interwoven throughout. The wire gold was as large as a matchstick. I asked Mr. Hayden why he was not working the property, and he said, "it belongs to another man", Mr. Hayden further related "I had been prospecting all day and sat down to rest, I accidentally knocked off the ledge I was sitting on. He further said that no one would ever be able to find the ledge as he had covered it up so thoroughly that it would be impossible to find. Quoting Mr. Reynolds further, I asked him what the man's name was that owned the property, he (Mr. Hayden) said it belongs to Mr. Zamorano. End of Mr. Reynolds' quotation. These murders were committed on the assumption that Mr. Hayden had a rich cash of wire gold ore.

The gold veins that are reported on this forma has just recently been found, and the free gold as panned shows up very prominently. The indications so far on these veins, oint very promisingly that they will average wide widths and run to indefinite depths.

AMERICAN SMELTING AND REFINING COMPANY
Southwestern Ore Purchasing Department

810 Valley Bank Building
P. O. Box 2229
Tucson, Arizona
April 24, 1943

Brent N. Rickard
Manager

Mr. Sidney B. Moeur
Mildred Mining Company
611 Title & Trust Bldg.
Phoenix, Arizona

SILVERFIELD GROUP, OWENS MINING DISTRICT,
YUMA COUNTY, ARIZONA--HANDSAMPLE ASSAYS

Dear Sir:

Under date of April 13, 1943, Mr. Elgin B. Holt of the Department of Mineral Resources, Kingman, Arizona, forwarded to our Hayden Plant three samples of ore from the Silverfield Mine. The results are as follows:

| Sample Number | Oz./ton | | Percent: | | | | | | |
|---------------|---------|--------|----------|--------|------|------|-----|------|-------|
| | Gold | Silver | Lead | Copper | Ins. | SiO2 | Fe | CaO | Al2O3 |
| 4 | 0.02 | 5.98 | -- | 2.10 | 57.1 | 55.4 | 2.1 | 16.3 | 1.0 |
| 5 | .02 | 14.78 | -- | 2.40 | 70.1 | 66.7 | 1.8 | 9.5 | 2.2 |
| 8 | .01 | 21.18 | -- | 3.50 | 77.9 | 75.8 | 1.6 | 5.1 | 1.2 |

Assuming zero A quota for copper, the outcome in carload lots under the terms of the enclosed Schedule F would be substantially as follows:

| | No. 4 | No. 5 | No. 8 |
|--------------------------|--------|--------|---------|
| <u>Payments:</u> | | | |
| Silver | \$3.86 | \$9.71 | \$13.91 |
| Copper | 2.92 | 3.44 | 5.33 |
| Total | 6.78 | 13.15 | 19.24 |
| <u>Deductions:</u> | | | |
| Base charge | 3.50 | 3.50 | 3.50 |
| Surcharge val. over \$15 | | | .42 |
| F.o.b. Hayden | 3.28 | 9.65 | 3.92 |
| Freight + 3% tax | 2.59 | 2.59 | 2.69 |
| Net at Bouse | \$.69 | \$7.06 | \$12.63 |
| Metal Reserve Cu premium | 2.04 | 2.33 | 3.40 |
| Total net at Bouse | \$2.73 | \$9.39 | \$16.03 |

Carload freight rates from Bouse to Hayden and to Clarkdale are as follows:

| Bouse To: | Minimum Capacity | Value not exceeding: | | | |
|-----------|------------------|----------------------|-------|-------|-------|
| | | \$7.50 | 10.00 | 12.50 | 15.00 |
| Hayden | 30 tons | 2.50 | 2.50 | 2.60 | 2.60 |
| Clarkdale | 20 " | 2.80 | 2.80 | 2.80 | 2.80 |
| | 30 " | 1.75 | 1.75 | 2.10 | 2.10 |
| | 50 " | 1.40 | 1.80 | 1.80 | 2.10 |

Mr. Sidney B. Moeur

-2-

April 24, 1943

Because of the lower freight rates to Clarkdale I believe it would be to your advantage to ship to that smelter. However, if you want to ship part or all of your proposed tonnage to Hayden, in order to absorb the difference in freight charge, we shall be glad to consider modification of our usual base charge, as shown in Schedule F enclosed, after receipt of one or two trial carloads. It is probable that for regular shipments the treatment rate could be improved by about \$1.00 per ton, or whatever amount is necessary to equalize the freight.

You may be able to receive the benefit of additional premium on the copper if you will make application of the Quota Committee and give them your best estimate of mining costs, ore reserves, expected tonnage available for shipment under better copper price. It would be advisable to accompany your application with one or two settlements on past shipments. In your application you might state that Hayden Smelter has agreed to accept 500 tons per month if trial shipments prove the ore to be acceptable, and might be in position to accept additional tonnage depending upon conditions at the time. We would prefer, however, to have you market some of this ore with one of the other ~~max~~ smelters.

Yours very truly,

BRENT N. RICKARD

Enc.

cc; Mr. Elgin B. Holt
Department of Mineral Resources
Kingman, Arizona

WICKENBURG ORE MARKET

Operated by John C. Herr

Wickenburg, Arizona July 26, 1940
 Settlement for Lot No. 296
 Classification:

Shipper: Jim Becker & Co.
 Address: Bouse

New Weight of Lot: 10.593 lbs.
 Moisture: 3% 317 lbs.

Name of Claim: North Star
 Mining District:
 County: Yuma

Net Dry Weight: 10.276 lbs.
 Equivalent in tons (2000 lbs): 5.138 Tons

PAYMENTS PER TON

| ASSAY | AMOUNT PAID FOR | RATE | VALUE |
|----------------------|---------------------|----------------|---------|
| Gold: 0.015 ozs. | | | |
| Silver: 20.00 ozs. | 95% ----- 19.00 oz. | oz. at 70¢ | \$13.30 |
| Copper: 1.20-40 Pct. | 0.80%-16# 95%-15.20 | lbs. at 8 1/4¢ | 1.25 |
| Lead: | | | |

Value per ton at shipping(weight)point: \$14.55

Freight rate per ton \$ 2.50
 Smelter--Treatment per ton: 3.50
\$ 5.00 6.00

Net smelter value per dry ton: \$8.55

Total net smelter value of 5.138 net dry tons at \$8.55 \$43.93

Brokerage 10 per cent (\$2.00 ton minimum): \$10.27
 Sampling--Assaying: None

\$10.27 10.27

Net amount due shipper \$ 33.66

Approved by:

I assay nothing.

WICKENBURG ORE MARKET

Operated by John C. Herr

Wickenburg, Arizona July 23d, 1940

Settlement for Lot No. 290
Classification:

Shipper: Jim Becker - Associates
Address: Bouse:

Net Weight of Lot: 11657 lbs.
Moisture: 3% 349 lbs.

Name of Claim: North Star
Mining District:
County: Yuma

Net dry weight: 11308 lbs.

Equivalent in tons (2000 lbs): 5,654 Tons

PAYMENTS PER TON

| ASSAY | AMOUNT PAID FOR | RATE | VALUE |
|--------------------|------------------|-------------|---------|
| Gold: 0.015 ozs. | None | oz. at | |
| Silver: 19.20 ozs. | 95% --- 18.24 | oz. at 70¢ | \$12.77 |
| Copper: 1.40-40-1% | 20# 95% ---- 19# | lbs. at 8½¢ | 1.57 |
| | | lbs. at | |

Value per ton at shipping point: \$14.34

Freight rate per ton: \$2.50
Smelter--Treatment per ton: - - - 3.50
\$ 6.00
Net smelter value per ton: - - - - \$ 8.34

Total net smelter value of 5.654 net dry tons at \$ 8.34 \$47.15

Brokerage 10 per cent (\$2.00 ton minimum): \$11.30
Sampling - Assaying: - - - - - None

\$11.30 11.30

Net Amount due shipper \$35.85

Approved by:
9 assays for gold & silver & 4 coppers - - - - - 4.50
\$31.35

WICKENBURG ORE MARKET

Operated by John C. Herr

Wickenburg, Arizona. . . . July 9, 1940

Settlement for Lot No. 266
Classification:

Shipper: Jim Becker
Address: Bouse

Net Weight of Lot: 1336 lbs.
Moisture: 3% 40 lbs.

Name of Claim: N. Star
Mining District: Owens
County: Mohave

Net dry weight: 1296 lbs.

Equivalent in tons (2000 lbs) 0.648 Tons

PAYMENTS PER TON

| ASSAY | AMOUNT PAID FOR | RATE | VALUE |
|-------------------|-----------------|----------|----------|
| Gold: 1.10 ozs. | All oz. at | \$ 32.20 | \$ 35.42 |
| Silver: 1.00 ozs. | None oz. at | | |
| Copper: Pct. | lbs. at | | |
| Lead: Pct. | lbs. at | | |

Value per ton at shipping point: - - - - \$ 35.42

Freight rate per ton: \$3.25
Smelter--Treatment per ton: 5.50
\$8.75

Net smelter value per dry ton - - - - - \$ 26.67

Total net smelter value of 0.648 net dry tons at \$ 26.67 \$ 17.28

Brokerage 10 per cent (\$2.00 ton minimum): \$2.00
Sampling----Assaying 3.50

5 ton lots or over, no charge for Sampling and Assaying

If you are not satisfied with your returns, go out and take a 50 lb. grab sample off your ore pile at my expense

Net Amount Due Shipper: - - - - - \$ 11.78
Less advance - - - - - 1.00
\$ 10.78

Approved By:

WICKENBURG ORE MARKET

Operated by John C. Herr

Wickenburg, Arizona . . . June 24th, 1940

Settlement for Lot. No. 235

Classification:

| | | | |
|---------------------------|--------------------------------|-------|------|
| Shipper: James Becker | Net Weight of Lot: | 9153 | lbs. |
| Address: House | Moisture: 3% | 274 | lbs. |
| Name of Claim: North Star | Net dry weight: | 8879 | lbs. |
| Mining District: Owens | Equivalent in tons (2000 lbs): | 4.439 | Tons |
| County: Mohave | | | |

PAYMENTS PER TON

| ASSAY | AMOUNT PAID FOR | RATE | VALUE |
|-------------------------------|-----------------|----------------|--------|
| Gold: 0.03 ozs | All | oz. at \$32.20 | \$0.97 |
| Silver: 32.40 ozs. | 95% - 30.78 | oz. at 70 | 21.55 |
| Copper: 1.80-40-1.40 pct. 28# | Pay 95%--266# | lb. at 8½¢ | 2.26 |
| Lead: | | | |

Value per ton at shipping point: \$ 24.78

| | | |
|------------------------------|-------------|---------|
| Freight rate per ton: | \$2.85 | |
| Smelter - Treatment per ton: | <u>4.48</u> | |
| | 7.33 | \$ 7.33 |

Net smelter value per dry ton: \$ 17.45

Total net smelter value of 4.439 net dry tons at \$17.45 \$ 77.46

| | |
|---|---------|
| Brokerage 10 per cent (\$2.00 ton minimum): | \$ 8.86 |
| Sampling--Assaying | None |

8.86 8.86

5 ton lots or over, no charge for Sampling and Assaying \$ 68.60

If you are not satisfied with your returns, go out and take a 50 lb. grade grab sample off your ore pile at my expense

Approved By: Net Amount Due Shipper: \$ 68.60

WICKENBURG ORE MARKET

Operated by John C. Herr

Wickenburg, Arizona. June 24, 1940

Settlement for Lot No. 237

Classification:

| | | | |
|------------------------|--------------------------------|-------|------|
| Shipper: James Becker | Net Weight of Lot: | 5038 | lbs. |
| Address: Bouse | Moisture: 3% | 150 | lbs. |
| Name of Claim: N. Star | Net dry weight: | 4888 | lbs. |
| Mining District: Owens | | | |
| County: Mohave | | | |
| | Equivalent in tons (2000 lbs). | 2.444 | Tons |

PAYMENTS PER TON

| Assay | Amount Paid For | Rate | Value |
|-------------------|----------------------------------|----------------|----------------|
| Gold: 0.77 ozs. | All | oz. at \$32.20 | \$24.79 |
| Silver: 1.00 ozs. | All | oz. at .70 | 70 |
| Copper: | | | |
| Lead: | | | |
| | Value per ton at shipping point: | - - - - | <u>\$25.49</u> |
| | Freight Rate per ton: | \$2.85 | |
| | Smelter-- Treatment per ton: | <u>4.55</u> | |
| | | \$7.40 | <u>7.40</u> |
| | Net smelter value per dry ton: | - - - - - | \$18.09 |

Total net smelter value of 2.444 net dry tons at \$18.09 \$44.21

Brokerage 10 per cent (\$2.00 ton minimum): \$ 4.88

Sampling - Assaying: - - - - - None

5 tons lots or over, no charge for Sampling and Assaying

If you are not satisfied with your returns, go out and
take a 50 lb. grab sample off your ore pile at my expense \$ 4.88 4.88

Net Amount Due Shipper: \$ 39.33

Approved By:

ASSAY CERTIFICATE

July 23d, 1940

I hereby certify that the Samples described below received from

North Star Mine - J. Becker - Associated.

| Sample No. | Owner's mark on Sample | GOLD Value | | SILVER | | Total value per ton Gold & Silver | Percentage of Copper-lead |
|--------------------------------|---------------------------|--------------|---------|--------------|---------------|---|------------------------------|
| | | ozs. per ton | per ton | ozs. per ton | Value per ton | | |
| Sample off silver ledge | Shot | 0.03 | \$0.96 | 4.00 | 2.80 | \$3.76 | 1.40 |
| " " | Away over | 0.06 | 1.92 | 6.60 | 4.62 | 6.54 | 1.80 |
| 200 ton silver dump | Big dump | 0.03 | .96 | 17.80 | 12.46 | 13.42 | 0.50 |
| Above & below vein Gold tunnel | Face Gold Hole | 0.10 | 3.22 | 0.50 | 0.35 | 3.57 | |
| Gold Tunnel | Gold dump | 0.08 | 2.58 | 0.20 | 0.14 | 2.72 | |
| Various rocks off silver ledge | 1 Black | 0.03 | .96 | 2.00 | 1.40 | 2.36 | |
| | 2 Grey Quartz | 0.04 | 1.29 | 4.00 | 2.80 | 4.09 | |
| | 3 Vanadium Limestone | 0.04 | 1.29 | 2.20 | 1.54 | 2.83 | |
| | 4 Stain | 0.04 | 1.29 | 145.10 | 101.57 | \$102.86 | 6.20 |

(SD) JOHN C. HERR ASSAYER.

ASSAY CERTIFICATE

June 24, 1940

I hereby certify that the Samples described below received from

Jim Becker assay as follows:

| Sample No. | Owner's mark on sample | GOLD Value | | SILVER | | Total value per Ton per ton |
|------------|---------------------------|-------------|---------|-------------|-------|--------------------------------|
| | | ozs per ton | per ton | ozs per ton | Value | |
| X | Sample | 0.74 | 23.82 | 0.75 | .52 | 24.34 |

General face of 40 ft. gold tunnel, when vein was running 2-1/2 feet wide.

(SD) JOHN C. HERR ASSAYER.

A S S A Y C E R T I F I C A T E

April 29, 1940

I hereby certify that the Samples described below received from

J Becker - Goyne assay as follows:

| Sample No. | Owner's mark on Sample | GOLD | | SILVER | | Percentage of | |
|------------|--|--------------|--------------|--|--------------|---------------|------|
| | | ozs. per ton | ozs. per ton | ozs. per ton | ozs. per ton | Copper | Lead |
| Gold | #1 Face cut | 1.20 | | Face of 40 ft. Gold tunnel when in 30 ft. ore on | | | |
| | 30 ton dump | .30 | | dump of gold tunnel | | | |
| | 300 ton dump | .05 | | 26.00 | 2.00% | Silver dump | |
| | Small silver dump | .08 | | 40.00 | 3.10 | Silver dump | |
| | Chestnut will be up Tuesday to look her over | | | | | | |

(SD) J. C. HERR ASSAYER.

A S S A Y C E R T I F I C A T E

May 6, 1940

I hereby certify that the Samples described below received from

James Becker assay as follows:

| Sample No. | Owner's mark on sample | GOLD | | SILVER | | Percentage of | |
|------------|---------------------------|--------------|--------------|--------------|--------------|---------------|------|
| | | ozs. per ton | ozs. per ton | ozs. per ton | ozs. per ton | Copper | Lead |
| | Heads | 0.06 | | 54.00 | 0.80 | | |
| | Conc. | 0.35 | | 250.00 | 3.10 | 21% | |
| | Tails | 0.07 | | 19.00 | 0.30 | | |

THIS WAS MILL RUN TEST OF SILVER DUMP.

TAKE OFF 0.50 FOR WET COPPER AND PAY 8-1/2¢
FIGURE LEAD AT 3-1/2¢ per pound.

Gold @ \$ per oz. 32.20
Silver @ \$ per oz. 0.70¢

(SD) JOHN C. HERR ASSAYER.

**AMERICAN SMELTING AND REFINING COMPANY
HAYDEN PLANT**

Shipper **J. Becker**
Address **c/o L. Marks, Bouse, Arizona**
Shipping Point **Bouse, Arizona**

Hayden, Arizona, **June 24, 1940**
Smelter Lot **682**
Class **Crude** Shipper's Lot **2**

| CAR | | | | | | | N. Y. QUOTATIONS | |
|--------|---------|--------|-------|-------|-------|-------------|-----------------------|---------|
| Number | Initial | Gross | Tare | Net | H. O. | Dry Weight | | |
| 171263 | | 103360 | 45400 | 57960 | 1.0 | 57380 | Settlement Date 6-18 | |
| | | | | | | | Bill Lading Date 6-12 | |
| | | | | | | | Copper | .11150 |
| | | | | | | | Less | .025725 |
| | | | | | | | Net | .085775 |
| | | | | | | Tons 28.920 | 22.690 | |

| PAYMENT FOR METALS | | | | | | | | | | |
|-------------------------|-----------|------------------|----------|-------|--------|----------|---------|------|---------|--------|
| Elements | Assay For | Ton of 2000 lbs. | Deducted | Assay | in lbs | Paid for | For | Rate | per ton | Amount |
| Gold | | | | | | | | | | |
| Silver | 32.25 Oz. | | | | | 95 | 30.6375 | oz. | 69125 | 21.18 |
| Copper | 1.05 % | | .4% | .65 | 13.0 | 95 | 12.35 | lbs. | 085775 | 1.06 |
| TOTAL PAYMENT OF METALS | | | | | | | | | | 22.24 |

| CHARGES AND CREDITS | | per ton | Debits |
|---------------------|--|---------|--------|
| BASE CHARGE | F.O.B. Hayden for metal payments, not exceeding \$ | | |
| 10% of \$.724 | excess over \$ 15.00. | | 3.50 |
| | | | .72 |

| Analysis | Deduction |
|----------------|-----------|
| Silica 62.6 % | |
| Alumina 56.7 % | |
| Zinc 3.4 % | |
| Iron 1.5 % | |
| Lime 13.1 % | |

P A I D
6-24-1940
AMERICAN B. & R. CO.
Hayden, Arizona

Per _____

| | |
|-------------------|-------|
| TOTAL DEDUCTIONS | 4.22 |
| NET VALUE PER TON | 18.02 |

| | Debits | Credits |
|--|--------|---------|
| Total Value on 28.690 Dry Tons @ 18.02 | | 516.99 |
| Less Freight on 28.980 Wet Tons @ 3.10 Min. Wt. 60000 lbs. | 93.00 | |
| Withheld pending receipt of silver affidavit | 313.58 | |

Balance due Shipper **110.41**

Made by **WWM** Checked **WWEH**

Mr. Townsend reported that he has his Silverfield mine (mainly gold value) leased to the Deep Shaft Mining Company, 4020 E. 9th St., Tucson, Arizona. Richard S. Schmidt is one of the principals and he directs the mine work. The property comprises 7 unpatented claims and is located in the Buckskin Mountains about 30 miles northeast from Bouse. Four men are employed driving a crosscut under a large area where good gold values have been obtained in surface pits and cuts. TPL WR 10-17-59

Interviewed Jim Townsend at Bouse. He said the Deep Shaft Co. is continuing with the development of his Silverfield gold property in the Buckskin Mountains some 30 miles east of Bouse. TPL WR 11-21-59

Visited Jim Townsend's Silverfield property with him and his son, Ray. The mine is located 30 miles northeasterly from Bouse and is on the north side of the Bill Williams River. As noted in my weekly report for the week ending Oct. 17, 1959, the Deep Shaft Mining Co. is developing the property. An adit is being driven beneath an area of highly silicified limestone in which the operators claim to have exposed moderate to high grade gold values in trenches and cuts. At the time of this visit the adit had been advanced 238' (which was the calculated projection of the center of the ore area.) Since no ore was encountered to this point a raise was started toward the surface and was up about 20' - at an angle of 45° (to be increased to 60°). The property comprises 7 unpatented claims. Mr. Richard S. Schmidt who participates in the operating partnership was working with one helper. TPL WR 12-19-59

At Bouse, talked with Ray Townsend and a man who had worked for the Deep Shaft Mining Co. in the Silverfield project. They reported that the raise in progress at the time of the last visit had holed through to the surface (at 80') without encountering ore. Another raise was put up from a point further out in the adit. This also holed through - at 65' - without encountering ore. Apparently the spotty surface showings directly above the adit do not go down. The project was abandoned in March. TPL WR 4-22-60

Jim Townsend reported new people seemed about ready to take over the Silverfield property (recently operated by Deep Shaft Mining Co.) TPL WR 7-22-61

Interviewed Jim Hicks at Bouse. Jim advised that a group known as the Silver Rock Mines has taken over and is actively developing his Silverfield property with considerable equipment on the ground. Chas. Hiadik appears to be the principal among 5 partners all of Phoenix. 4 men are working at the property. Hicks hinted at important metallurgical progress with respect to Century Mining Co. ore tests but no imminent activity at the properties. TPL WR 2-17-62

Learned at Bouse that Silver Rock Mining Co. has shipped 2 cars of ore from Townsend's Silverfield property - no returns available. TPL WR 3-17-62

P4

PROPERTY EXAMINATION

1. Silverfield gold prospect.
2. Location: Southernmost Rawhide Mountains, southern Mojave County, Arizona; 30 miles north of Bouse, Arizona; T10N, R14W, Sec. 5 and 6; T11N, R14W, Sec. 29 through 32; T10N, R15W, Sec. 1; T11N, R15W, Sec. 25 and 36; Artillery Peak 15', Ives Peak 15', Castaneda Hills 15', and Swansea 15' quadrangle.
3. Ownership: Anschutz Mining Corporation is leasing claims from General Minerals of America, and has staked an additional 95 claims on the surrounding ground.
4. Land Status: The location and number of claims are in the attached report from Anschutz.
5. Type of Deposit: Tertiary hot springs precious metals deposit.
6. Present Status: Anschutz seeks a joint venture partner and proposes that Noranda earn 50% interest in the property. Meanwhile, no work is being done on the property.
7. History of Prospect: Sporadic production of minor amounts of gold and copper began in about 1900, but all attempts were abandoned by 1960. John Kellog sampled and mapped in the area in 1968, and located several gold anomalies. Upon recommendations made by a consultant geologist, Anschutz investigated this property in 1982. They have, to date, mapped and sampled in moderate detail. They have delineated several gold anomalies.
8. Reserves: Not enough information is available to calculate reserves.
9. Geology: The Silverfield property is underlain by two ages of lithologies: Precambrian(?) and Tertiary. The Precambrian(?) is composed of granite gneiss, granite, calc-silicate, phyllite, and mylonite. These rock types have not been differentiated on the Anschutz map. These rocks exhibit complex folds, faults, and penetrative, steeply dipping schistosity. They are overlain unconformably by gently dipping Tertiary red arkosic sandstone and conglomerate, tan argillaceous sandstone, carbonate-silica deposits, and vesicular basalt. The sandstones, dated as Miocene (Shackelford, 1976), are probably correlative to the Chapin Wash formation to the north (Lewis and Aquist, 1982).

The calc-silica deposits occur both within Tertiary sandstones, showing gradational contacts, and locally

directly on Precambrian(?) rocks. These deposits commonly form irregular mounds of highly-contorted beds, and appear to be spatially associated with faults. Shackelford (1976) mapped these as Paleozoic limestones, but had no fossil evidence to support this age. Textures and stratigraphic relations suggest that these are Tertiary hot spring deposits (Lewis and Aaquist, 1982).

In the Rawhide Mountains, Shackelford (1980) mapped two major structural sheets above the regionally extensive Rawhide fault, an extremely sharp detachment surface. Evidence for a detachment surface between the metamorphosed assemblage and overlying Tertiary rocks in the Silverfield area is not clear. Chloritically altered, brecciated, and copper-stained rocks below the contact may represent a detachment surface similar to that at the Swansea Mine, 6 miles southwest in the Buckskin Mountains (Wilkins and Heidrick, 1982).

Recent faults have offset most rock units. Two distinct fault trends include northeast and north-south.

Anomalous values of Au, Fe, Cu, Hg, and Ti occur sporadically in the calc-silica deposits. The best gold values, up to 7.01 o.p.t., occur on the Silverfield 15 claims and are typically associated with vuggy quartz veins in the sinter. Gold has been observed in vuggy quartz in this area. Twenty-six, 2 feet wide, overlapping channel samples of a 65 feet wide trench through sinter in the Silverfield 15 claim averaged .046 o.p.t. Au. This zone represents the primary target to date. The strike and down-dip extension of this zone have not been tested. Pods of sinter with up to .05 o.p.t. Au are scattered throughout the property. There may be some correlation between more intensely brecciated, sinter and gold anomalies. Massive sinters are commonly barren (Lewis and Aaquist, 1982). Faults appear to have served as feeders for the hot spring deposits and associated mineralization.

10. Potential: Moderate potential exists for a 1 m.t.+ hot springs precious metal deposit, with an average grade of .04 to .05 o.p.t. Au, and with a favorable stripping ratio (zone may be sub-parallel to hill).
11. Recommendations: We recommend detailed mapping and sampling of the primary target area in order to determine the extent, both down dip and along strike, of the mineralized zone. If results from such a study are favorable, several shallow drill holes can then confirm the presence of an orebody.

References:

- Lewis, D. L., and Aaquist, B. E., 1982, Silverfield gold prospect: Anschutz Mining Corporation report, 7 p.
- Shackelford, T. J., 1980, Tertiary tectonic denudation of a Mesozoic-early Tertiary(?) gneiss complex, Rawhide Mountains, western Arizona: *Geology*, V. 8, pp. 190-194.
- Shackelford, T. J., 1976, Structural geology of the Rawhide Mountains, Mohave County, Arizona: Ph.D. Thesis, U. of Southern California, 175 p.
- Wilkins, J. Jr., and Heidrick, T. L., 1982, Base and precious metal mineralization related to low-angle tectonic features in the Whipple Mountains, California and Buckskin Mountains, Arizona: in, Frost, E. G., and Martin D. L., ed., Mesozoic-Cenozoic tectonic evolution of the Colorado River region, California, Arizona, Nevada, Cordilleran Pub., San Diego, Cal., pp. 69-76.

B7 GEORGE LAMAPP EARLY 1980's

Blair Walker plse

16

1934 Farnell Ave.,
Los Angeles, Calif. 90025.
November 28th 1975.

Director, Arizona Department of
Mineral Resources,
Mineral Building, Feingroups,
Phoenix, Arizona. 85000.

Dear Sir:

Please advise me if you have any information regarding the present
owner or operator of the Arizona mining property named "North Star,
North Star #1, #2, #4 (Mohave), (formerly Silver Triangle), free gold,
silver, bromides & silver (ore) sulfides, copper.

This property located out of Bouse, Arizona, about 15 miles
northwest direction, across the Bill Williams River some 3 miles.
Road to property.

Please give me any information you might have, or if you can tell
me where I might secure this information.

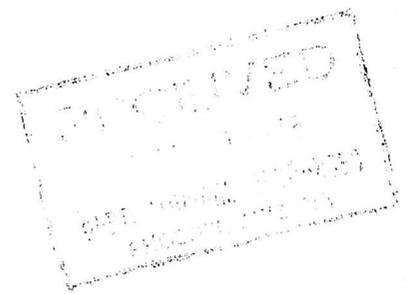
Thank you very much. I remain

Very truly yours,

Lauren Marks
Lauren Marks.

P.S. Inclosed envelope and postage for reply.

Silverfield



May 27, 1957

SILVERFIELD MINE

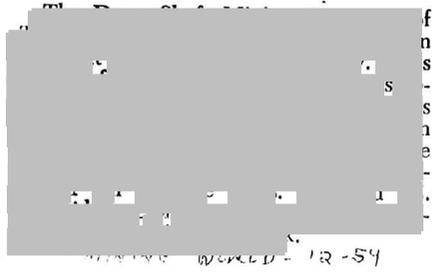
MOHAVE COUNTY
OWENS DIST.

This property idle.

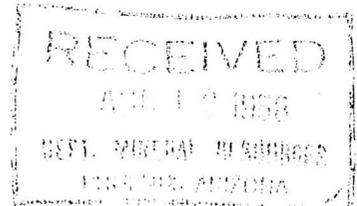
MARK GEMMILL

SILVERFIELD MINE

MOHAVE COUNTY



ARIZONA DEPARTMENT OF MINERAL RESOURCES
MINERAL BUILDING, FAIRGROUNDS
PHOENIX, ARIZONA



August 5, 1958

To the Owner or Operator of the Arizona Mining Property named below:

Silverfield Mine (Mohave) silver, gold, copper
(Property) (ore)

We have an old listing of the above property which we would like to have brought up to date.

Please fill out the enclosed Mine Owner's Report form with as complete detail as possible and attach copies of reports, maps, assay returns, shipment returns or other data which you have not sent us before and which might interest a prospective buyer in looking at the property.

Frank P. Knight

FRANK P. KNIGHT,
Director.

*Standard Group
sold by us about
ten years ago.*

*Silverfield Group has not
been worked for about 10 years.*

Enc: Mine Owner's Report

*Sidney B. Hoover
314 First Natl Bank
Phoenix*

September 13, 1947

Mr. Charles N. Gabe
747 N. Ridgewood Place
Los Angeles 38, California

Dear Mr. Gabe:

In regard to the Silverfield Mine, I can heartily recommend it for a thorough job of sampling, but until such is done one cannot even make a guess as to whether any development is justified. I am referring to the gold showing only. So often these large low grade golds contain spots or minor areas that sample well, but a thorough sampling over an area large enough to mine cheaply on a big scale turns out to be below commercial grade.

The first thing to be done on that gold showing would be to get a road to the site. Then trenches should be blasted at frequent intervals across the showing and the ore excavated from each worked down mechanically to a small sample. This takes a crusher and sample splitter, but we have a nice little outfit of that sort. The area in question should also be drilled with a jackhammer on about 10 foot centers, say 15 feet deep, and the cuttings from each hole assayed individually.

This all runs into quite a job and costs a little money but there would be no more guesswork after it were done.

I told Sid Moeur (Townsend's partner) some time ago that if he would get a passable road to the site the Department could give him a great deal of help on the sampling job. Now that the weather is cooling off, I will suggest the matter to him again.

In regard to my becoming connected with any group, I feel that during the preliminary stages I could be of just as much service as a state duty as I could be if especially employed and it would not cost you anything. The Department is very

Mr. Charles N. Gabe -2- Sept. 13, 1947

anxious to see good prospects become successful producers and when we get one that has the earmarks we feel that it justifies considerable individual attention.

We would be glad to be advised as your plans progress.

Yours very truly,

Chas. H. Dunning
Director

CHD:wh

Very truly yours,

CHAS. H. DUNNING
DIRECTOR

SEP 13 1947

RECEIVED

SEP 12 1947

DEPT. MINERAL RESOURCES
PHOENIX, ARIZONA

CORONATION MINING COMPANY, INC.

A Delaware Corporation--Legalized in Arizona

Principal Offices: 927-929 MARKET STREET, WILMINGTON, DEL.
Arizona Offices: CORONATION BUILDING, BOUSE, ARIZONA

P. O. Address BOX 387, BOUSE, ARIZONA September 9th., 1947

Mr. Charles H. Dunning, E. M.

(Confidential)

Phoenix-Arizona

Dear Mr. Dunning:

This day, Mr. Townsend took me to the Silver-Field Group of quartz claims, and, after taking samples from different workings for assay, I want to ask you, if you consider these mining claims worthy of expending a large sum of money thereupon, in the hopes and expectation of making mines of future large production of commercial ores.

Furthermore, if you do recommend this group, please advise if you would be able in an executive position to connect yourself with the group, given that your terms for doing this are complied with.

Trusting that you will favor me with an early reply, I remain with my personal esteem for you as a competent mining man.

Yours respectfully.,



Charles N. Gabe

747 N. Ridgewood Place
Los Angeles-38-California

September 13, 1947

Mr. Charles N. Gabe
747 N. Ridgewood Place
Los Angeles 38, California

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Mr. Charles N. Gabe

-2-

Sept. 13, 1947

anxious to see good prospects become successful producers and when we get one that has the earmarks we feel that it justifies considerable individual attention.

We would be glad to be advised as your plans progress.

Yours very truly,

Chas. H. Dunning
Director

CHD:mh

December 24, 1946

*Silverfield Mine
Yuma Co.*

Mr. G. H. Roseveare, Metallurgist
Arizona Bureau of Mines
University Station
Tucson, Arizona

Dear Mr. Roseveare:

I talked to Mr. Dunning a short time before he left in regard to gold samples referred to in your letter of December 21.

It is our desire that you make the cyanide tests as per our previous discussions. In addition we would like to have the charcoal method of extraction tried on this.

Yours very truly,

Roger I. C. Manning
Field Engineer

RICM:LP

Silverfield

July 7, 1944

Mrs. Florence Robb
812 W. Olympic Blvd.
Los Angeles 15, California

Dear Mrs. Robb:

We have your inquiry of July 3 regarding a copper-gold-silver property.

The undersigned recently saw some interesting possibilities owned or controlled by Mr. J. C. Townsend of Bouse, Arizona.

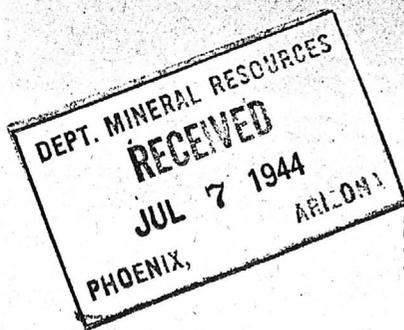
We would suggest that you get in touch with Mr. Townsend and we are sure you will find him thoroughly reliable.

Yours very truly,

Chas. H. Dunning
Director

CHD:LP

CC: Mr. J. C. Townsend



Los Angeles, California
7 / 3 / 44

State Bureau of Mines
Phoenix, Arizona.

Dear Sir;

I am in the market for a large Copper,
Gold and Silver mine.

The bigger, is also the better, will consider
a mine that needs, Milling and other machinery
put on to operate.

Property must be assessable and have water.

Do You know of any property of this kind that is
on the market, at a reasonable payment down ?

May I hear from You in regards to this ?

RESP:

Mrs Florence Robb
812 W. Olympic Blvd.
Los Angeles 15, Calif;

November 19, 1943

Mr. Sidney B. Moeur
611 Title & Trust Bldg.
Phoenix, Arizona

Dear Mr. Moeur:

I have submitted reports on your property, the Silver Field Mine, to A. M. Riedesel, who, I believe, will be acting as a broker with particular clients looking for a good sized copper property.

Yours very truly,

J. S. Cougal, Director

JSC:LF

MEMORANDUM

To: Bill Broadgate

October 13, 1943

From: George A. Ballam

Am enclosing a copy of Holt's report on the SILVER FIELD mine. Although this is in the Owens district rather than Rawhide, it is the property which is concerned with Alamo Crossing.

George A. Ballam

United States Senate

MEMORANDUM

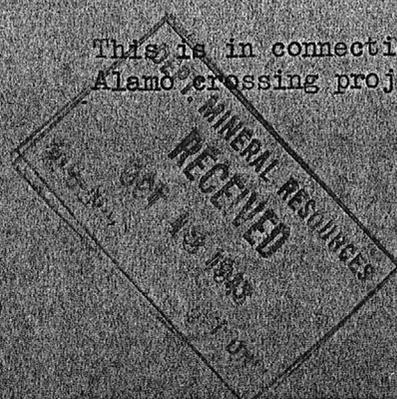
Oct. 11, 1943

Dear Sam,

Can you give me information on the Silverfield Mine in the Rawhide district.

This is in connection with the Alamo crossing project.

Bill



University of Arizona

TUCSON

COLLEGE OF MINES
ARIZONA BUREAU OF MINES

December 21, 1946

Mr. Chas. Dunning
304 Homebuilders Bldg.
Phoenix, Arizona

Dear Mr. Dunning:

The two samples of gold ore which were left by Mr. Manning
assayed:

| | <u>Oz. gold per ton</u> | <u>Oz. silver per ton</u> |
|--|-------------------------|---------------------------|
| Small sample <i>Manning (cut)</i> | 0.11 | 0.1 |
| Large sample <i>Sweeney (dump) H&K</i> | 0.17 | 0.2 |

I am holding samples for further instructions on cyanide tests
as the values are lower than estimated.

Yours very truly,



G.H. Roseveare
Metallurgist

WAR PRODUCTION BOARD

WASHINGTON, D. C.

August 28, 1943

IN REPLY REFER TO:

4-H:MJE

Mr. J. S. Coupal, Director
Department of Mineral Resources
413 Home Builders Building
Phoenix, Arizona



Dear Mr. Coupal:

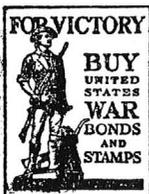
This is in reply to your letter of August 23 relative to the Silver Field Mine.

We note that you will assist the operators of the Silver Field Mine in the preparation of their quota application. As we have already written you we are anxious to have the grade of fluxing ores as high as possible and we would suggest that you give consideration to the possibility of sorting the ore so that the resulting grade will be increased from $1\frac{1}{2}\%$ to 2% and if possible a little higher. We realize that the cost of mining will be increased but on the other hand the cost of trucking, freight and smelting per pound of copper will be reduced to a greater extent provided, of course, that the rejected material does not contain appreciable values.

As soon as the application arrives we will give the matter prompt attention. We thank you for your interest in this matter.

Yours very truly,

F. H. Hayes
Assistant Chief
Primary Production Branch
Copper Division



August 23, 1943

Re 4H - MJE

Mr. F. H. Hayes, Assistant Chief
Primary Production Branch, Copper Division
War Production Board
Washington, D. C.

Dear Mr. Hayes:

In your letter of August 12 I note in the third paragraph your statement that it is difficult to get a special price for fluxing ores containing less than two percent copper.

The Silver Field ores, which are low grade and marginal, may by sorting and selective mining be raised in grade to $1\frac{1}{2}$ percent. This alone will add to the mining costs and if the ore is a satisfactory flux, it would seem as though that in itself should be sufficient to justify an advanced premium on copper. The advanced premium undoubtedly would be necessary to do much extra handling and sorting of the ore.

We will contact the operators on the Silver Field Mine and try to assist them in preparing their quota application.

Very truly yours,

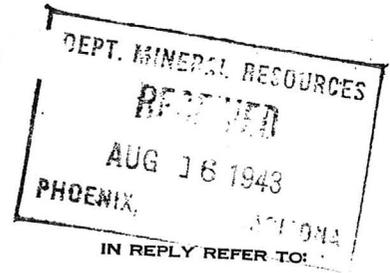
J. S. Coupal, Director

JSC:LP

WAR PRODUCTION BOARD

WASHINGTON, D. C.

August 12, 1943



4H - MJE

AIR MAIL

Mr. J. S. Coupal
Director
Dept. of Mineral Resources
413 Home Builders Bldg.
Phoenix, Arizona

Dear Mr. Coupal:

This is in reply to your letter of July 9, relative to the Silver Field Mine, Mohave County.

We note in Mr. Holt's report accompanying your letter, that negotiations are under way between the owners and prospective operators of the property and that if a deal is arranged, that the new operators will contact us relative to a special premium price for the copper.

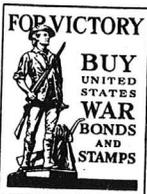
The ore is evidently a satisfactory flux ore; the silver values are substantial, but the amount of copper is small. Mr. Holt suggests the possibility of raising the grade to 1.5%. The project would be much more attractive if the copper could be raised to at least 2%. It is difficult to get a special price for flux ores that contain less than 2% Cu.

We will, however, be glad to give consideration to the application when it arrives.

We thank you for your letter and for Mr. Holt's excellent summary of the Silver Field Mine.

Very truly yours,

F. H. Hayes
Assistant Chief
Primary Production Branch
Copper Division



August 16, 1943

Mr. Sidney B. Moeur
Title and Trust Building
Phoenix, Arizona

Dear Sid:

I am transmitting a copy of letter from Harry
Hayes on the Silver Field property.

Hope you are successful in your plans to get
it in operation.

With kindest regards.

Very truly yours,

George A. Ballam
Assistant to the Director

GAB:JE

WAR PRODUCTION BOARD
Washington, D. C.

August 12, 1943

AIR MAIL

In reply refer to 4H-MJE

Mr. J. S. Coupal
Director
Department of Mineral Resources
413 Homebuilders Building
Phoenix, Arizona

Dear Mr. Coupal:

This is in reply to your letter of July 9, relative to the Silver Field Mine, Mohave County.

We note in Mr. Holt's report accompanying your letter, that negotiations are under way between the owners and prospective operators of the property and that if a deal is arranged, that the new operators will contact us relative to a special premium price for the copper.

The ore is evidently a satisfactory flux ore; the silver values are substantial, but the amount of copper is small. Mr. Holt suggests the possibility of raising the grade to 1.5%. The project would be much more attractive if the copper could be raised to at least 2%. It is difficult to get a special price for flux ores that contain less than 2% Cu.

We will, however, be glad to give consideration to the application when it arrives.

We thank you for your letter and for Mr. Holt's excellent summary of the Silver Field Mine.

Very truly yours,

s/d F. H. Hayes
Assistant Chief
Primary Production Branch
Copper Division

July 9, 1943

Mr. F. H. Hayes, Asst. Chief
Primary Production Branch
Copper Division
War Production Board
Washington, D. C.

Re: ~~4H-JAB-SILVER~~ SILVER FIELD MINE
Mohave County, Ariz.

Dear Mr. Hayes:

We have further investigated the Silver
Field Mine and enclose a report on certain information
requested in your letter of June 11th.

Very truly yours

J. S. Coupal, Director

JSC:ach
encl.

MEMORANDUM

Phoenix, June 21, 1943

TO: Elgin B. Holt.

Silver Field Mine

From: J. S. Coupal.

I enclose a copy of a letter to Earl Hastings from F. H. Hayes of the Copper Division.

I enclose two copies, one for your file and one which should go to the operators of the property so that they may get the information asked for and submit it as requested.

As you have done considerable work on this property I would suggest that you ask the owners to submit their data to you and you in turn could then report it with your comments to this office and we can transmit it to F. H. Hayes.

Routing it in this manner may take an extra day or two but it would permit quicker action, I believe, than if submitted direct.

WAR PRODUCTION BOARD

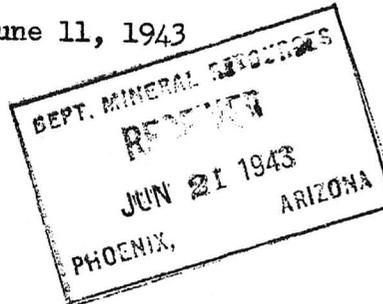
WASHINGTON, D. C.

June 11, 1943

IN REPLY REFER TO:

4H-JAB

Mr. Earl F. Hastings
Assistant Director
Department of Mineral Resources
413 Home Builders Building
Phoenix, Arizona



Dear Mr. Hastings:

Receipt is acknowledged of your letter of May 21st, enclosing field engineer's report on the Silver Field Mine, located in Mohave County, Arizona.

You are correct that this type of silicious ore is of interest to us, and you probably know that it is needed by both the Hayden and Clarkdale smelters.

If the Mildred Mining Company desire to operate this property and believe that they should receive a price above 17¢, f.o.b., Connecticut Valley, for their copper, it is suggested that they furnish the Copper Division with the following information:

Rate of Production: Conservative estimate of monthly production in tons of ore; average grade of copper, gold, silver, etc.

Moisture: Give approximate percent of moisture of ore or concentrates

Labor: Approximately how many additional men will you require?

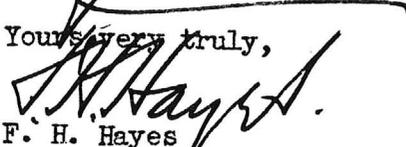
Costs per ton: Estimated costs on basis of wet tons

- (a) Mining
- (b) Development
- (c) Milling, if any
- (d) Trucking ore or concentrates to smelter
- (e) Railroad freight to smelter
- (f) Smelting, base charge and penalties
- (g) Overhead, detail largest items
- (h) Royalty

If the above data support the Company's contention that a price in excess of 17¢ is necessary for profitable operation, the Primary Production Branch of the Copper Division will recommend a higher price to the Quota Committee.

I wish to thank you for submitting the report, and I trust that it will not be long before this property is placed in operation.

Yours very truly,


F. H. Hayes
Assistant Chief
Primary Production Branch
Copper Division



WAR PRODUCTION BOARD

Washington, D. C.

June 11, 1943

In Reply Refer To:
44-JLB

Mr. Earl F. Hastings
Assistant Director
Department of Mineral Resources
413 Home Builders Building
Phoenix, Arizona

Dear Mr. Hastings:

Receipt is acknowledged of your letter of May 21st, enclosing field engineer's report on the Silver Field Mine, located in Mohave County, Arizona.

You are correct that this type of silicious ore is of interest to us, and you probably know that it is needed by both the Hayden and Okanada smelters.

If the Mildred Mining Company desire to operate this property and believe that they should receive a price above 17¢, f.o.b., Connecticut Valley, for their copper, it is suggested that they furnish the Copper Division with the following information:

Rate of Production: Conservative estimate of monthly production in tons of ore; average grade of copper, gold, silver, etc.
Moisture: Give approximate percent of moisture of ore or concentrates.
Labor: Approximately how many additional men will you require?
Costs per ton: Estimated costs on basis of wet tons

- (a) Mining
- (b) Development
- (c) Milling, if any
- (d) Trucking ore or concentrates to smelter
- (e) Railroad freight to smelter
- (f) Smelting, base charge and penalties
- (g) Overhead, detail largest items
- (h) Royalty

If the above data support the Company's contention that a price in excess of 17¢ is necessary for profitable operation, the Primary Production Branch of the Copper Division will recommend a higher price to the Quota Committee.

I wish to thank you for submitting the report, and I trust that it will not be long before this property is placed in operation.

Yours very truly,

/s/ F. H. Hayes
Assistant Chief
Primary Production Branch
Copper Division

AMERICAN SMELTING AND REFINING COMPANY

SOUTHWESTERN ORE PURCHASING DEPARTMENT

810 VALLEY BANK BUILDING

P. O. BOX 2229

TUCSON, ARIZONA

May 31, 1943

BRENT N. RICKARD
MANAGER

Mr. E. P. Crawford
Saratoga, California

SILVERFIELD MINE, OWENS MINING DISTRICT, YUMA CO., ARIZ.
SHIPPING POINT BOUSE

Dear Sir:

In reply to your letter of May 22nd:

In order to assist you in the production of approximately 1,000 tons per month of low grade fluxing ore we would quote special purchase terms as outlined in the enclosed memorandum schedule issued at this time for calculation purposes only. If you decide to proceed with this operation and will advise me the approximate date when shipments may start, name in which shipments will be made, and send me a copy of your lease or an abstract quoting terms pertaining to marketing of ore and payment of royalty, I shall be glad to confirm these terms in a firm offer. This offer is subject to acceptance within thirty days, after which time I shall be glad to review the matter again.

On the attached sheet I show average assays of past shipments from Silverfield Mine and of three samples recently submitted by Mr. Elgin B. Holt to our Hayden Smelter. I show also detail of the various payments and deductions.

Smelter settlement is based on current quotations for gold, silver, and copper less the deductions noted in the schedule. The net refinery cathode quotation for copper is 11.65 cents per pound less refining deduction of 2.6¢, or net smelter payment of 9.05 cents per pound. Smelter settlement is made within ten days after arrival of ore at the Smelter.

The Metals Reserve Company premium of 5 cents per pound for 97% of copper contained must be obtained through application to the Quota Committee in Washington, as outlined in the circular letter and suggested form enclosed. Additional premium for copper is handled also by the Quota Committee upon special application. You might write to the Committee giving as much information as you can regarding past production, mining costs, ore reserves, estimated shipments on the 5 cent premium, and estimated increase and grade if additional premium is granted.

Metals Reserve premium checks are sent out by the receiving smelter after required affidavits have been submitted and accepted by Metals Reserve Company. This procedure takes from 60 to 90 days after receipt of ore at the Smelter.

Yours very truly,
Brent N. Rickard

Mr. E. P. Crawford
Saratoga, California

SILVERFIELD MINE, OWENS MINING DISTRICT
YUMA COUNTY, ARIZONA

Assays

| | <u>Tons</u> | <u>Au</u> | <u>Ag</u> | <u>Cu</u> | <u>SiO2</u> | <u>CaO</u> | <u>Al2O3</u> |
|------------------------------------|-------------|-----------|-----------|-----------|-------------|------------|--------------|
| 1. Mildred Mining Co. Shipments | 582 | .015 | 14.7 | 1.0 | 66.4 | 7.8 | 2.5 |
| 2. " " | 165 | .01 | 8.0 | 1.0 | 68.0 | | 2.5 |
| 3. Sample #4 Holt | | .02 | 5.98 | 2.1 | 55.4 | 16.3 | 1.0 |
| 4. " #5 " | | .02 | 14.78 | 2.4 | 66.7 | 9.5 | 2.2 |
| 5. " #8 " | | .01 | 21.18 | 3.5 | 75.8 | 5.1 | 1.2 |

Payments

| | <u>No. 1</u> | <u>No. 2</u> | <u>No. 3</u> | <u>No. 4</u> | <u>No. 5</u> |
|--------|--------------|--------------|--------------|--------------|--------------|
| Silver | \$ 9.65 | \$ 5.18 | \$ 3.79 | \$ 9.71 | \$13.91 |
| Copper | 1.03 | 1.03 | 2.92 | 3.44 | 5.33 |
| | <u>10.68</u> | <u>6.21</u> | <u>6.71</u> | <u>13.15</u> | <u>19.24</u> |

Deductions

| | | | | | |
|---|-------------|-------------|-------------|-------------|-------------|
| Base charge | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 |
| Over \$10 @ .10 | .07 | | | .31 | .92 |
| | <u>1.82</u> | | | <u>2.06</u> | <u>2.67</u> |
| F.o.b. Hayden | 8.86 | 4.46 | 4.96 | 11.09 | 16.57 |
| Freight + 3% tax | <u>2.58</u> | <u>2.58</u> | <u>2.58</u> | <u>2.68</u> | <u>3.19</u> |
| Net at Bouse per ton on Smelter Settlement | 6.29 | 1.88 | 2.38 | 8.41 | 13.38 |
| Metals Reserve premium Zero "A" quota | .97 | .97 | 2.04 | 2.33 | 3.40 |
| Total per ton at Bouse | \$7.25 | 2.85 | 4.42 | 10.74 | 16.78 |

Carload Freight Rates

Bouse to Hayden (Minimum capacity 30 tons)

| Value not exceeding: | <u>\$10.00</u> | <u>15.00</u> | <u>20.00</u> | <u>30.00</u> | <u>40.00</u> |
|----------------------|----------------|--------------|--------------|--------------|--------------|
| Rate per ton | \$ 2.50 | 2.60 | 3.10 | 3.65 | 4.15 |

Tucson, Arizona
May 31, 1943

BRENT N. RICKARD

American Smelting and Refining Co.
HAYDEN, ARIZONA

MEMO

PURCHASE SCHEDULE

Date Effective **May 31, 1943**Mine **SILVERFIELD**Location **Owens District, Yuma County, Ariz**Shipper **E.P. Crawford**Address **Saratoga, Calif.**Character Ore **Copper-SILICEOUS**R. R. Station **Bouse, Ariz.**

The following purchase terms are subject to the General Clauses shown on the back of this sheet, and are subject to prompt acceptance. Unless shipments are begun within 30 days this quotation is automatically cancelled.

PAYMENTS

GOLD: If 3/100 of an ounce per dry ton or over pay for all at the rate of \$19.50 per Troy ounce, plus 90% of the realized gold premium in excess of \$20.67 per Troy ounce. Under present Government net realized price (\$34.9125), this is equivalent to \$32.31825 per Troy ounce.

SILVER: Pay for 95% (minimum deduction of 1/2 ounce) at the average Handy & Harman New York Silver quotations for the calendar week, including date of arrival of last car of each lot at plant of Buyer, or, if higher, at the realized Mint price provided silver qualifies for Government purchase and affidavit is furnished, less a deduction in either case of 1 1/2c per ounce.

COPPER: Deduct from the wet copper assay eight pounds and pay for ninety-five per cent of the remaining copper at the daily net refinery domestic quotations for electrolytic cathodes as published in the Engineering and Mining Journal of New York averaged for the calendar week preceding date of arrival of last car of each lot at the plant of the Buyer less a deduction of **2.6** cents per pound of copper accounted for. Nothing paid for copper if less than one-half per cent by wet assay.

No payment will be made for any metal or content except as above specified.

DEDUCTIONS

BASE CHARGE: \$ **1.75** per net dry ton of 2,000 pounds; provided the sum of payments for gold, silver, lead and copper does not exceed \$ **10.00** per ton. Add to the base charge ten per cent of the excess over \$ **10.00** to a maximum charge of \$ **5.00** per dry ton.

The base charge just specified is for ores containing at least eight pounds of copper per ton; when a smaller quantity is contained, there will be added to the base charge a sum equivalent to the value of the deficiency between actual contents and eight pounds per ton computed according to the terms specified herein for copper payment.

INSOLUBLE: Allow **all** units free; charge for excess at _____ cents per unit, fractions in proportion.

ZINC: Allow five units free; charge for the excess at thirty cents per unit, fractions in proportion.

ALUMINA: 10% of the siliceous content will be allowed free. Alumina in excess of this amount will be charged for at 25¢ per unit, fractions in proportion.

ARSENIC: Allow two units free; charge for the excess at \$0.50 per unit, fractions in proportion.

ANTIMONY: Allow one unit free; charge for the excess at \$1.50 per unit, fractions in proportion.

BISMUTH: One-tenth of one per cent will be allowed free. The excess will be charged at fifty cents (\$0.50) per pound, fractions in proportion.

MOISTURE: A minimum deduction of one per cent will be made from wet weight; when over one per cent contained the actual moisture will be deducted.

DELIVERY: F. O. B. unloading bins American Smelting and Refining Company, Hayden, Arizona.

The rates quoted are based upon shipment in dump bottom gondola equipment. Extra unloading charge of 25¢ per dry ton will be assessed for products received in box cars or solid bottom gondola cars.

All truck shipments will be assessed an extra handling charge of 50¢ per dry ton.

TAXES: See Clause 1 on reverse side of this Schedule.

FREIGHT: All railroad freight and delivery charges for account of shipper. Deduct from settlement freight and other advances made by Buyer.

TONNAGE: Limited to **1000** tons per month except by special arrangement.

per letter attached.

AMERICAN SMELTING AND REFINING COMPANY

By
(over)

BRENT N. RICKARD

Brent N. Rickard

General Clauses Governing All Open Schedules

1. **Taxes:** All taxes or other governmental charges, national, local or municipal, now or hereafter imposed in respect to or measured by the product purchased hereunder, or the production, extraction, smelting, refining, sale, transportation, proceeds or value thereof, or of the metals derived therefrom, other than income taxes levied upon the BUYER, shall be for account of the SELLER and shall be deducted from the purchase price payable hereunder.
2. **Sampling and Assaying:** Weighing, moisture and ore sampling (at which seller or a representative may be present) as done by Buyer according to standard practice, promptly after receipt of product, will be accepted as final. The absence of seller or a representative shall be deemed a waiver of the right in each instance. After sampling, the product may be placed in process, commingled, or otherwise disposed of by Buyer. In case of disagreement on assays, an umpire shall be selected in rotation from a list mutually agreed upon, whose assays shall be final if within the limits of the assays of the two parties; and if not, the assay of the party nearer to the umpire shall prevail. Losing party shall pay cost of umpire. In case of Seller's failure to make or submit assays, Buyer's assays shall govern.
3. All schedules on ore not under contract for a definite period of time are subject to change without notice.
4. The rates quoted herein are for carload lots. On any lot containing one ton or less, there will be a sampling and handling charge of \$10.00. This charge will be decreased by \$1.00 for each ton in excess of one ton.
5. The rates quoted apply only to ore in bulk. Fifty cents per ton additional will be charged for ore in sacks, to cover extra cost of handling.
6. In the event quotation date should fall on a legal Holiday or one upon which no quotation is issued, the next succeeding quotation will be used in settlement.
7. In this schedule where the word "ton" is used, it is understood to be a ton of two thousand pounds avoirdupois; where the word "ounce" is used, as referring to gold and silver, it is understood to mean the troy ounce; and where the word "unit" is used, it is understood to mean one per cent of a ton, or twenty pounds avoirdupois.
8. In order that delivery of the ore at our plant may not be unnecessarily delayed, we make it a general rule that **THE FREIGHT CHARGES MUST BE PREPAID OR GUARANTEED BY THE SHIPPER.**
9. The rates quoted herein are based on ~~present existing scale for common labor at the Hayden Plant and~~ present published all rail freight rates on lead and copper bullion from Hayden, Arizona, to New York City. Any increase or decrease is for account of Seller and proper deduction or credit shall be made accordingly.

AMERICAN SMELTING AND REFINING COMPANY

Hayden, Arizona.

May 25, 1943

Mr. Dean Steel
156 Montgomery Street
San Francisco, California

Dear Mr. Steel:

I am enclosing a report on the Silver Field Mine by Elgin B. Holt, who is field engineer FOR the Department. This property seems to be a sizeable one and is essentially a silver-copper producer.

I have talked with Mr. Sidney B. Moeur, 611 Title and Trust Building, Phoenix, and suggest that you contact him in case you or your clients would be interested in an option giving sufficient time to examine the property.

The property has been well spoken of and the enclosed report shows it to be quite extensive and possible for profitable operation. I do know that the Phelps Dodge Corporation have looked the property over. I believe one of their men spent a week to ten days examining it. Whereas their reports and findings are not available, I am informed that they were interested in the possibilities of the property as a large scale operation.

With best wishes and kindest regards, I am .

Very truly yours,

J. S. Coupal, Director

JSC:kk
Enclosure

May 21, 1943

Mr. F. H. Hayes
Assistant Chief
Primary Production Branch
Copper Division
War Production Board
Washington, D. C.

Dear Mr. Hayes:

We are enclosing a field engineer's report on the Silver Field Mine located in the Owens Mining District of Mohave County, Arizona.

Inasmuch as this deposit is of a highly siliceous nature and low alumina content, we felt that it might be of interest to you.

With kindest personal regards, I am

Very truly yours,

Earl F. Hastings
Projects Engineer

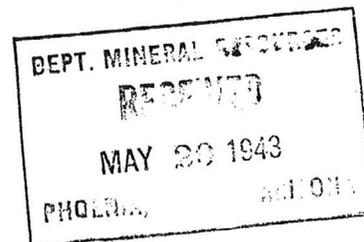
EFH:kk
Enclosure

SILVER FIELD MINE REPORT
(Lost, strayed, stolen, or
never was!)

May 19, 1943

MEMORANDUM

To: Lorraine Porter
From: Elgin B. Holt



Attention is called to your memo stating you have been unable to locate my report on SILVER FIELD, (J. C. Townsend, Mohave Co.)

No wonder you could not locate it, as I only finished it today. And you will find it herewith inclosed.

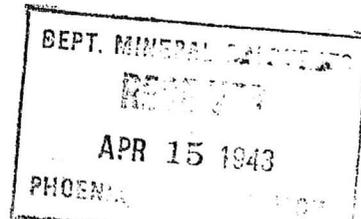
My delay in getting out this report was caused partly by the delay in receiving assays and smelting rates on the ore from Rickard, inasmuch as I sent three samples of sorted ore to the Hayden smelter. Also, last month I was on the go continually and had not sufficient time to make this and other reports. Am just now getting cleaned up in this regard; so now that Brown is taking Yavapai County off my hands, I will have more time to attend to my own neck of the woods.

Kind regards,

Elgin

cc - J. S. Coupal

April 13, 1943



P. O. Box 133,
Kingman, Arizona.

Mr. Brent N. Rickard,
Am. Smelting & Refining Co.,
Tucson, Arizona.

Dear Mr. Rickard:

I am today shipping by express, from Salome, Arizona, three samples of silicious copper-gold ore, to your Hayden Smelter, from the Silver Field mine, belonging to Mr. Sidney B. Moeur, and his associates, Oil Title & Trust Bldg., Phoenix, Arizona.

Will you kindly instruct your assay office at the Hayden plant to analyze this ore, or that is the said samples, and mail copies of the results to Mr. Moeur as well as to myself, - to my Kingman address? Also, after these samples are assayed, kindly write Mr. Moeur quoting the best rates you can allow on car lots of this type of ore, including base smelting charges, silica and lime credits, as well as freight rates from Bouse to Hayden, mailing a copy of this quotation to me.

For your information, some two years ago, owners shipped from this property, in the name of Mildred Mining Company, around 15 car lots of ore, assaying more or less as follows:

| Au-ozs | Ag-ozs. | Cu-% | Silica-% | Al-% | S-% | Fe-% | Lime-% |
|--------|---------|------|----------|------|------|------|--------|
| 0.02 | 14.0 | 1.1 | 66.0 | 2.8 | 0.50 | 3.0 | 10.0 |

The ore occurs in large deposits in quartzite and silicious limestone, without any overburden. Hence, ore may be removed by selective mining in large quantities. In other words, I believe with some financial help, owners could produce a minimum of one or two car loads of this silicious ore per day - much more after the mine is opened up. Property is located 30 miles north of Bouse and truck haul from mine to that point equals about \$2.00 per ton. Again, as owners took the above shipments out without the services of an assayer, I am confident by employing an assayer and with care in mining a better grade of ore could be produced. Also this ore would be in line to receive an increased bonus from our Government agencies, up to 5% per pound addition for copper.

Thanking you in advance for your assistance in this matter, and with kind personal regards, I am

Very truly yours,

cc - J. S. Coupal
Sidney B. Moeur
Hayden Smelting Works
J. C. Townsend

Elgin B. Holt,
Field Engineer.

April 7, 1943

Mr. J. C. Townsend
Bouse, Arizona

Dear Mr. Townsend:

Due to change in plans with the Senate
Committee Elgin Holt will be unable to reach Bouse
on Friday but will arrive Saturday morning at nine
o'clock.

Yours very truly,

J. S. Coupal, Director

JSC:LP

DEPT. MINERAL INDUSTRIES
RECEIVED
MAR 31 1943
ARIZONA

March 29, 1943

P. O. Box 188,
Kingman, Arizona.

Mr. J. C. Townsend,
Bouse, Arizona.

Dear Mr. Townsend:

Attention is called to your letter of March 27th in which you state you are anxious to know if I am going to be assigned to the Silver Field property, etc.

In reply, I have taken this matter up with Mr. Coupal with the result that I am now planning to spend April 8, 9 and 10th on this property with you for the purpose of taking a few pilot samples and sizing the property up generally, with the end in view of assisting yourselves in preparing an application for a development loan, along the lines we discussed.

I expect to pass through Bouse the forenoon of April 3rd, next Saturday, enroute to Tucson for the purpose of attending a meeting of the Senate sub-committee on mines and the mineral industry, headed by Senator James G. Scrugham of Nevada, at which time, next Saturday morning, I will see you in Bouse, should you be there at that time, for the purpose of arranging our trip to your property.

Very sincerely yours,

Elgin B. Holt,
Field Engineer.

cc - J. C. Coupal,
Sidney B. Moeur

C
O
P
Y

April 2, 1943

MEMORANDUM

SUBJECT: Field Work at
Townsend
Property

TO: Elgin B. Holt

FROM: J. S. Coupal

There has been a change in the plans for the Senate sub-committee hearing on mines. Time has been made available for a meeting in Prescott on Wednesday, April 7, and I believe it is important that you plan to attend that meeting.

Due to the limited connections it may be necessary to route you to Kingman with W. C. Broadgate on the following day, that is, Thursday, April 8, which would make it impossible for you to keep your appointment with Mr. Townsend to look over his property on April 8, 9, and 10.

It would seem to me that it would be possible for you to make the Townsend property on the 9th and spend the 10th and 11th, or, if delayed, you could surely make it on the 10th, 11th and spend up to the early afternoon of the 12th on the Townsend property and then make Parker for the meeting there on the evening of Monday, April 12.

As you will note, I have sent a copy of this to Mr. Townsend.

cc - Mr. J. C. Townsend
Bouse, Arizona

April 2, 1943

Mr. J. C. Townsend
Bouse, Arizona

Dear Mr. Townsend:

I am enclosing a copy of a memorandum to Elgin B. Holt regarding his plans to be with you on your property April 8, 9, and 10.

I feel as though it is highly important that we do everything we can to present our small mine operators problems to the Senate committee. For this reason it may be necessary to somewhat alter Mr. Holt's plans to be at your property on April 8, 9, and 10. Our plans are not completed at the present time and it will be impossible to really complete them until Monday, April 5, while we are in Tucson.

I will arrange to have Holt either write or wire you on Monday, April 5, and at that time we should be able to say definitely what day Holt will be available to meet you at Bouse.

I hope you will pardon this change in plans which have already been made by Mr. Holt, but I believe it is to the benefit of the State that we give first consideration to the present proposed hearings.

With best wishes and kindest regards, I am

Very truly yours,

J. S. Coupal, Director

JSC:kk

cc - Mr. Elgin B. Holt

March 18, 1943

FLUXING ORES,
SILVERFIELD,
MOHAVE CO.

MEMORANDUM

To: J. S. Coupal
From: Elgin B. Holt

Attention is called to your memorandum of February 9th regarding fluxing ores, apprising the field engineers of the attitude in Washington concerning such ores. That if we know of any property containing a good fluxing copper ore, it may be well to investigate and see the owners or lessees, and we can then assist in making a set-up for them whereby they can apply for a 20 cent copper price, etc.

I am writing to call your attention to the SILVERFIELD COPPER MINE, located in Mohave County, about 30 miles north of Bouse and on the north side of the Williams River. A part of the property is reached by a road from Bouse, which is the shipping point for ores of this region. It is owned by Sidney B. Moeur, 611 Title & Trust Bldg., Phoenix, and his associates, J. C. Townsend, of Bouse, and A. H. Vaughan, of Phoenix.

I visited the property last May, at a time when it was being worked, and went over some of the ground with Townsend. It would take too long a letter to even outline the proportions of this property. It is very large, and consists of a number of granite-gneiss hills capped by silicious limestone and quartzite, and the greater part of this cap rock has been mineralized and carries both copper and silver values.

Owners last year shipped 15 cars of ore, from an open quarry on top of one of the mineralized hills, to the Clarkdale smelter, and the average returns from these shipments approximates 1% plus copper, 14 ounces silver per ton, and around 65% silica; also about 10% lime and 2.8% alumina.

A larger mineralized hill on this property, has been prospected by numerous cuts, showing better copper and lower silver values. With care it might be possible to mine ore in quantity from this larger hill running in excess of 2% copper and around 4 ounces silver. This statement being based on grab sampling of ore dumps on this hill by the owners.

In short, I had a talk with the owners of this property last Sunday. They have asked me to look the property over, and take some pilot samples from the larger hill mentioned. They are thinking of applying for an RFC development loan. I told them while their ore is marginal in grade, it is just possible we might be of assistance in their getting the loan, providing the ore could be classified as silicious material, which it is, and also providing we are able to assist them in getting 20 cents per pound for copper. When I see you in Phoenix Monday, will talk it over with you, with a view to fixing a date for me to visit this property.

(Signed) E. B. H.
Elgin B. Holt,
Field Engineer.

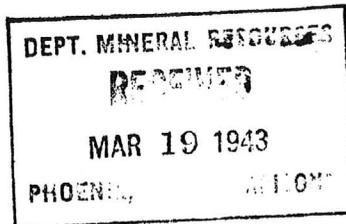
cc - Sidney B. Moeur
J. C. Townsend

March 18, 1943.

FLUXING ORES,
SILVERFIELD,
MOHAVE CO.

MEMORANDUM

To: J. S. Coupal
From: Elgin B. Holt



Attention is called to your memorandum of February 9th regarding fluxing ores, apprising the field engineers of the attitude in Washington concerning such ores. That if we know of any property containing a good fluxing copper ore, it may be well to investigate and see the owners or lessees, and we can then assist in making a set-up for them whereby they can apply for a 20 cent copper price, etc.

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I visited the property last May, at a time when it was being worked, and went over some of the ground with Townsend. It would take too long a letter to even outline the proportions of this property. It is very large, and consists of a number of granite-gneiss hills capped by silicious limestone and quartzite, and the greater part of this cap rock has been mineralized and carries both copper and silver values.

Owners last year shipped 15 cars of ore, from an open quarry on top of one of the mineralized hills, to the Clarkdale smelter, and the average returns from these shipments approximates 1% plus copper, 14 ounces silver per ton, and around 65% silica; also about 10% lime and 2.8% alumina.

A larger mineralized hill on this property, has been prospected by numerous cuts, showing better copper and lower silver values. With care it might be possible to mine ore in quantity from this larger hill running in excess of 2% copper and around 4 ounces silver. This statement being based on grab sampling of ore dumps on this hill by the owners.

In short, I had a talk with the owners of this property last Sunday. They have asked me to look the property over, and take some pilot samples from the larger hill mentioned. They are thinking of applying for an RFC development loan. I told them while their ore is marginal in grade, it is just possible we might be of assistance in their getting the loan, providing the ore could be classified as silicious material, which it is, and also providing we are able to assist them in getting 20 cents per pound for copper. When I see you in Phoenix Monday, will talk it over with you, with a view to fixing a date for me to visit this property.

cc - Sidney B. Moeur
J. C. Townsend

E. B. Holt
Elgin B. Holt,
Field Engineer.

11 September 1940

Mr. V. C. Marks,
449 East D Avenue,
Glendale, Arizona.

Dear Mr. Marks:

I am returning herewith smelter sheets
and assay certificates which you sent to us.

Copies of these sheets have been attached
to the mine owners report filed by you on the North
Star #1, North Star #2, and North Star #4.

I am also enclosing a copy of mine owners
report which you filed on this property. This
copy is for your files.

Yours very truly,

J. S. Coupal
Director

JSC-jrf
encls.

August 12, 1940

Mr. V. C. Marks,
449 East D Avenue,
Glendale, Arizona.

Dear Sir:

Complying with your request of August sixth,
I have to date forwarded copies of mine owners report
to the following:

Go-1, Go-3, Go-4, Go-7, Go-9, Go-10, Go-11,
Go-13, Go-14, Go-15, Go-16, Go-19, Go-20;
Si-2, Si-4; Mis-1, Mis-2, Mis-3, Mis-5, Mis-7;
Mis-8, Mis-10, Mis-11, Mis-12, Mis-13, Mis-14,
Mis-15, Mis-17, Mis-18, Mis-23, Mis-25.

I have asked them to communicate direct with
you.

Assuring you of my desire to be always helpful,
I am

Yours very truly,

J. S. Coupal,
Director.

JRF-aam

August 10, 1940

Mr. E. J. Belleau,
1400 S. Manhattan St.,
Los Angeles, California.

Dear Sir:

With further reference to your request for information on a gold property, I am enclosing herewith a copy of mine owners report on the North Star and North Star #1, 2 and 4, located in the Owens Mining District, Mohave County, Arizona and owned by Mr. V. C. Marks, 449 East D Avenue, Glendale, Arizona.

Mr. Marks has asked that I submit this report to you for your consideration. If you are interested, I should suggest that you communicate directly with Mr. Marks.

Assuring you of my desire to be helpful, I am

Yours very truly,

J. S. Coupal,
Director.

JSC-aam

August 10, 1940

Mr. Robert Appleton,
414 Little Bldg.,
80 Boylston Ave.,
Boston, Mass.

Dear Sir:

With further reference to your request for information on a gold property, I am enclosing herewith a copy of mine owners report on the North Star and North Star #1, 2 and 4 located in the Owens Mining District, Mohave County, Arizona, and owned by Mr. V. C. Marks, 449 East D Avenue, Glendale, Arizona.

Mr. Marks has asked that I submit this report to you for your consideration. If you are interested, I should suggest that you communicate directly with Mr. Marks.

Assuring you of my desire to be helpful, I am

Yours very truly,

J. S. Coupal,
Director.

JSC-aam

August 12, 1940

Mr. W. S. Bacon,
Oracle,
Arizona.

Dear Sir:

With further reference to your request for information on mining properties, I am enclosing a copy of mine owners report on the North Star and North Star #1, 2 and 4, located in the Owens Mining District, Mohave County, Arizona, and owned by Mr. V. C. Marks, 449 East D Avenue, Glendale, Arizona.

Mr. Marks has asked that I submit this report to you for your consideration. If you are interested, I should suggest that you communicate directly with Mr. Marks.

Assuring you of my desire to be helpful, I am

Yours very truly,

J. S. Coupal,
Director.

JSC-aam.

August 12, 1940

Mr. Arthur H. Brooks,
c/o Dixon Eagerberg,
Phoenix, Arizona.

Dear Sir:

With further reference to your request for a gold property, I am enclosing herewith a copy of mine owners report on the North Star and North Star #1, 2 and 4 located in the Owens Mining District, Mohave County, Arizona, and owned by Mr. V. C. Marks, 449 East D Avenue, Glendale, Arizona.

Mr. Marks has asked that I submit this report to you for your consideration. If you are interested, I should suggest that you communicate directly with Mr. Marks.

Assuring you of my desire to be helpful, I am

Yours very truly,

J. S. Coupal,
Director.

JSC-nam

August 10, 1940

Mr. H. J. Caldwell,
510 Grosse Bldg.,
Los Angeles, California.

Dear Sir:

With further reference to your request for information on a gold property, I am enclosing herewith a copy of mine owners report on the North Star and North Star #1, 2 and 4 located in the Owens Mining District, Mohave County, Arizona and owned by Mr. V. C. Marks, 449 East D Avenue, Glendale, Arizona.

Mr. Marks has asked that I submit this report to you for your consideration. If you are interested, I should suggest that you communicate directly with Mr. Marks.

Assuring you of my desire to be helpful, I am

Yours very truly,

J. S. Coupal,
Director.

JSC-aam

August 12, 1940

Mr. Patrick Calhoun,
2036 San Pasqual St.,
Pasadena, California.

Dear Sir:

With further reference to your request for information on mining properties, I am enclosing a copy of mine owners report on the North Star and North Star #1, 2 and 4 located in the Owens Mining District, Mohave County, Arizona, and owned by Mr. V. C. Marks, 449 East D Avenue, Glendale, Arizona.

Mr. Marks has asked that I submit this report to you for your consideration. If you are interested, I should suggest that you communicate directly with Mr. Marks.

Assuring you of my desire to be helpful, I am

Yours very truly,

J. S. Coupal,
Director.

JSC-aam

August 12, 1940

Mr. Chas. W. Garland,
412 W.6th St.,
Los Angeles, California.

Dear Sir:

With further reference to your request for information on mining properties, I am enclosing a copy of mine owners report on the North Star and North Star #1, 2 and 4 located in the Owens Mining District, Mohave County, Arizona, and owned by Mr. V. C. Marks, 449 East D Avenue, Glendale, Arizona.

Mr. Marks has asked that I submit this report to you for your consideration. If you are interested, I should suggest that you communicate directly with Mr. Marks.

Assuring you of my desire to be helpful, I am

Yours very truly,

J. S. Coupal,
Director.

JSC-aam

August 12, 1940

Mr. Morris Geggie,
801 N. Auburn,
Sierra Madre, Cal.

Dear Sir:

With further reference to your request for information on mining properties, I am enclosing herewith a copy of mine owners report on the North Star, North Star #1, 2 and 4 located in the Owens Mining District, Mohave County, Arizona, and owned by Mr. V. C. Marks, 449 East D Avenue, Glendale, Arizona.

Mr. Marks has asked that I submit this report to you for your consideration. If you are interested, I should suggest that you communicate directly with Mr. Marks.

Assuring you of my desire to be helpful, I am

Yours very truly,

J. S. Coupal,
Director.

JSC-aam

August 12, 1940

Mr. L. S. Hackney,
132 N. Kenmore Ave.,
Los Angeles, California.

Dear Sir:

With further reference to your request for information on a silver property, I am enclosing a copy of mine owners report on the North Star and North Star #1, 2 and 4 located in the Owens Mining District, Mohave County, Arizona, and owned by Mr. V. C. Marks, 449 East D Avenue, Glendale, Arizona.

Mr. Marks has asked that I submit this report to you for your consideration. If you are interested, I should suggest that you communicate directly with Mr. Marks.

Assuring you of my desire to be helpful, I am

Yours very truly,

J. S. Coupal,
Director.

JSC-asm

August 10, 1940

Mr. L. S. Hackney,
132 North Kumbro Ave.,
Los Angeles, California.

Dear Sir:

With reference to your request for information on a gold property, I am enclosing a copy of mine owners report on the North Star and North Star #1, 2, and 4, located in the Owens Mining District, Mohave County, Arizona and owned by Mr. V. C. Marks, 443 East D Avenue, Glendale, Arizona.

Mr. Marks has asked that I submit this report to you for your consideration. If you are interested, I should suggest that you communicate directly with Mr. Marks.

Assuring you of my desire to be helpful, I am

Yours very truly,

J. S. Coupal,
Director.

JSC-aaa

August 12, 1940

Mr. Lorin Hall,
2922 Iowa St.,
South Gate, Cal.

Dear Sir:

With further reference to your request for information on mining properties, I am enclosing herewith a copy of mine owners report on the North Star and North Star #1, 2 and 4 located in the Owens Mining District, Mohave County, Arizona, and owned by Mr. V. C. Marks, 449 East D Avenue, Glendale, Arizona.

Mr. Marks has asked that I submit this report to you for your consideration. If you are interested, I should suggest that you communicate directly with Mr. Marks.

Assuring you of my desire to be helpful, I am

Yours very truly,

J. S. Coupal,
Director.

JSC-aam

August 12, 1940

Mr. Ed Hollerness,
Tucson,
Arizona.

Dear Sir:

With further reference to your request for information on mining properties, I am enclosing herewith a copy of mine owners report on the North Star and North Star #1, 2 and 4 located in the Owens Mining District, Mohave County, Arizona, and owned by Mr. V. C. Marks, 449 East D Avenue, Glendale, Arizona.

Mr. Marks has asked that I submit this report to you for your consideration. If you are interested, I should suggest that you communicate directly with Mr. Marks.

Assuring you of my desire to be helpful, I am

Yours very truly,

J. S. Cougal,
Director.

JSC-aam

August 10, 1940

Mr. L. G. King,
1302 E. Pierce St.,
Phoenix, Arizona.

Dear Sir:

With further reference to your request for information on a gold property, I am enclosing herewith a copy of mine owners report on the North Star and North Star #1, 2 and 4 located in the Owens Mining District, Mohave County, Arizona and owned by Mr. V. C. Marks, 449 East D Avenue, Glendale, Arizona.

Mr. Marks has asked that I submit this report to you for your consideration. If you are interested, I should suggest that you communicate directly with Mr. Marks.

Assuring you of my desire to be helpful, I am

Yours very truly,

J. S. Coupal,
Director.

JSC-aam

August 12, 1940

Mr. Herman Link,
c/o H. Valentine,
207 N. 1st Nat. Bank Bldg.,
Phoenix, Arizona.

Dear Sir:

With further reference to your request for information on mining properties, I am enclosing a copy of mine owners report on the North Star and North Star #1, 2 and 4 located in the Owens Mining District, Mohave County, Arizona, and owned by Mr. V. C. Marks, 449 East D Avenue, Glendale, Arizona.

Mr. Marks has asked that I submit this report to you for your consideration. If you are interested, I should suggest that you communicate with Mr. Marks.

Assuring you of my desire to be helpful, I am

Yours very truly,

J. S. Coupal,
Director.

JSC-aam

August 12, 1940

Messrs. Earl Lead and
Harley Sill, 1011 S. Figueroa,
Los Angeles, California.

Gentlemen:

With further reference to your request for information on mining properties, I am enclosing herewith a copy of mine owners report on the North Star and North Star #1, 2 and 4 located in the Owens Mining District, Mohave County, Arizona, and owned by Mr. V. C. Marks, 449 East D Avenue, Glendale, Arizona.

Mr. Marks has asked that I submit this report to you for your consideration. If you are interested, I should suggest that you communicate directly with Mr. Marks.

Assuring you of my desire to be helpful, I am

Yours very truly,

J. S. Coupal,
Director.

JSC-aam

August 10, 1940

Mr. Chas E. Lees,
240 N. Cliffwood Ave.,
Los Angeles, California.

Dear Sir:

With further reference to your request for information on a gold property, I am enclosing herewith a copy of mine owners report on the North Star and North Star #1, 2 and 4 located in the Owens Mining District, Mohave County, Arizona, and owned by Mr. V. C. Marks, 449 East D Avenue, Glendale, Arizona.

Mr. Marks has asked that I submit this report to you for your consideration. If you are interested, I should suggest that you communicate directly with Mr. Marks.

Assuring you of my desire to be helpful, I am

Yours very truly,

J. S. Coupal,
Director.

JSC-aam

August 10, 1940

Mr. Scott Lintner,
Masonic Temple,
Phoenix, Arizona.

Dear Sir:

With further reference to your request for information on a gold property, I am enclosing herewith a copy of mine owners report on the North Star and North Star #1, 2 and 4 located in the Owens Mining District, Mohave County, Arizona and owned by Mr. V. C. Marks, 449 East D Avenue, Glendale, Arizona.

Mr. Marks has asked that I submit this report to you for your consideration. If you are interested, I should suggest that you communicate directly with Mr. Marks.

Assuring you of my desire to be helpful, I am

Yours very truly,

J. S. Coupal,
Director.

JSC-asm

August 12, 1940

Mr. L. D. Macdonald,
Arizona Hotel,
35 N. 6th Ave.,
Tucson, Arizona.

Dear Sir:

With further reference to your request for information on mining properties, I am enclosing herewith a copy of mine owners report on the North Star and North Star #1, 2 and 4 located in the Owens Mining District, Mohave County, Arizona, and owned by Mr. V. C. Marks, 449 East D Avenue, Glendale, Arizona.

Mr. Marks has asked that I submit this report to you for your consideration. If you are interested, I should suggest that you communicate directly with Mr. Marks.

Assuring you of my desire to be helpful, I am

Yours very truly,

J. S. Coupal,
Director.

JSC-aam

August 12, 1940

M r. Louis A. Nagy,
Box 833,
Mesa, Arizona.

Dear Sir:

With further reference to your request for information on a gold property, I am enclosing herewith a copy of mine owners report on the North Star and North Star #1, 2 and 4 located in the Owens Mining District, Mohave County, Arizona, and owned by Mr. V. C. Marks, 449 East D Avenue, Glendale, Arizona.

Mr. Marks has asked that I submit this report to you for your consideration. If you are interested, I should suggest that you communicate with Mr. Marks.

Assuring you of my desire to be helpful, I am

Yours very truly,

J. S. Coupal,
Director.

JSC-aam

August 12, 1940

Mr. Steve J. Pappas,
Ely, Nevada.

Dear Sir:

With further reference to your request for information on a silver property, I am enclosing herewith a copy of mine owners report on the North Star and North Star #1, 2 and 4 located in the Owens Mining District, Mohave County, Arizona, and owned by Mr. V. C. Marks, 449 East D Avenue, Glendale, Arizona.

Mr. Marks has asked that I submit this report to you for your consideration. If you are interested, I should suggest that you communicate with Mr. Marks.

Assuring you of my desire to be helpful,
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Yours very truly,

J. S. Coupal,
Director

JSC-aan

August 10, 1940

Mr. Steve J. Pappas,
Ely, Nevada.

Dear Sir:

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Mr. Marks has asked that I submit this report to you for your consideration. If you are interested, I should suggest that you communicate directly with Mr. Marks.

Assuring you of my desire to be helpful, I am

Yours very truly,

J. S. Coupal,
Director.

JSC-aam

August 12, 1940

Mr. Harry M. Pickering,
555 S. Fairfax Ave.,
Los Angeles, California.

Dear Sir:

With further reference to your request for information on mining properties, I am enclosing herewith a copy of mine owners report on the North Star and North Star #1, 2 and 4 located in the Owens Mining District, Mohave County, Arizona, and owned by Mr. V. C. Marks, 449 East D Avenue, Glendale, Arizona.

Mr. Marks has asked that I submit this report to you for your consideration. If you are interested, I should suggest that you communicate directly with Mr. Marks.

Assuring you of my desire to be helpful, I am

Yours very truly,

J. S. Coupal,
Director.

JAC-aam

August 10, 1940

Mr. Harry T. Reid,
911½ S. New Hampshire Ave.,
Los Angeles, California.

Dear Sir:

With further reference to your request for information on a gold property, I am enclosing a copy of mine owners report on the North Star and North Star #1, 2 and 4 located in the Owens Mining District, Mohave County, Arizona and owned by Mr. V. C. Marks, 449 East D Avenue, Glendale, Arizona.

Mr. Marks has asked that I submit this report to you for your consideration. If you are interested, I should suggest that you communicate directly with Mr. Marks.

Assuring you of my desire to be helpful, I am

Yours very truly,

J. S. Coupal,
Director.

JSC-aam

August 10, 1940

Mr. N. F. Rusche,
1721 S. Atlantic Bl.,
Alhambra, California.

Dear Sir:

With further reference to your request for information on a gold property, I am enclosing herewith a copy of mine owners report on the North Star and North Star #1, 2 and 4, located in the Owens Mining District, Mohave County, Arizona, and owned by Mr. V. C. Marks, 449 East D Avenue, Glendale, Arizona.

Mr. Marks has asked that I submit this report to you for your consideration. If you are interested, I should suggest that you communicate directly with Mr. Marks.

Assuring you of my desire to be helpful, I am

Yours very truly,

J. S. Coupal,
Director.

JSC-aam

August 12, 1940

Mr. George Sandergren,
P. O. Box 23,
Red Rock, Arizona.

Dear Sir:

With further reference to your request for information on mining properties, I am enclosing herewith a copy of mine owners report on the North Star and North Star #1, 2 and 4, located in the Owens Mining District, Mohave County, Arizona, and owned by Mr. V. C. Marks, 449 East D Avenue, Glendale, Arizona.

Mr. Marks has asked that I submit this report to you for your consideration. If you are interested, I should suggest that you communicate directly with Mr. Marks.

Assuring you of my desire to be helpful, I am

Yours very truly,

J. S. Coupal,
Director.

JSC-aam

August 12, 1940

Mr. Schell,
Patagonia,
Arizona.

Dear Sir:

With further reference to your request for information on mining properties, I am enclosing herewith a copy of mine owners report on the North Star and North Star #1, 2 and 4 located in the Owens Mining District, Mohave County, Arizona, and owned by Mr. V. C. Marks, 449 East D Avenue, Glendale, Arizona.

Mr. Marks has asked that I submit this report to you for your consideration. If you are interested, I should suggest that you communicate directly with Mr. Marks.

Assuring you of my desire to be helpful, I am

Yours very truly,

J. S. Coupal,
Director.

JSC-aam

August 12, 1940

Mr. Samuel H. Smith,
736 N. Orange Grove Ave.,
Los Angeles, California.

Dear Sir:

With further reference to your request for information on mining properties, I am enclosing herewith a copy of mine owners report on the North Star and North Star #1, 2 and 4, located in the Owens Mining District, Mohave County, Arizona and owned by Mr. V. C. Marks, 449 East D Avenue, Glendale, Arizona.

Mr. Marks has asked that I submit this report to you for your consideration. If you are interested, I should suggest that you communicate directly with Mr. Marks.

Assuring you of my desire to be helpful, I am

Yours very truly,

J. S. Cougal,
Director.

JSC-aam

August 12, 1940.

Mr. A. D. Thompson,
903 LaJolla Ave.,
Hollywood, California.

Dear Sir:

With further reference to your request for information on a gold property, I am enclosing a copy of mine owners report on the North Star, North Star #1, 2 and 4 located in the Owens Mining District, Mohave County, Arizona, and owned by Mr. V. C. Marks, 449 East D Avenue, Glendale, Arizona.

Mr. Marks has asked that I submit this report to you for your consideration. If you are interested, I should suggest that you communicate directly with Mr. Marks.

Assuring you of my desire to be helpful, I am

Yours very truly,

J. S. Coupal,
Director.

JSC-aam

August 12, 1940

Mr. E. J. Toepfer,
1229 Webster,
San Francisco, Cal.

Dear Sir:

With further reference to your request for information on mining properties, I am enclosing a copy of mine owners report on the North Star and North Star #1, 2 and 4, located in the Owens Mining District, Mohave County, Arizona, and owned by Mr. V. C. Marks, 449 East D Avenue, Glendale, Arizona.

Mr. Marks has asked that I submit this report to you for your consideration. If you are interested, I should suggest that you communicate with Mr. Marks.

Assuring you of my desire to be helpful, I am

Yours very truly,

J. S. Coupal,
Director.

JSC-aam

August 12, 1940

Mr. T. A. Wilson,
Peak, Nevada.

Dear Sir:

With further reference to your request for information on mining properties, I am enclosing a copy of mine owners report on the North Star and North Star #1, 2 and 4, located in the Owens Mining District, Mohave County, Arizona, and owned by Mr. V. C. Marks, 449 East D Avenue, Glendale, Arizona.

Mr. Marks has asked that I submit this report to you for your consideration. If you are interested I should suggest that you communicate directly with Mr. Marks.

Assuring you of my desire to be helpful, I am

Yours very truly,

J. S. Coupel,
Director.

JSC-aam

August 12, 1940

Mr. Fred Winters,
Landusky,
Montana.

Dear Sir:

With further reference to your request for information on mining properties, I am enclosing herewith a copy of mine owners report on the North Star and North Star #1,2, and 4, located in the Owens Mining District, Mohave County, Arizona, and owned by Mr. V. C. Marks, 449 East D Avenue, Glendale, Arizona.

Mr. Marks has asked that I submit this report to you for your consideration. If you are interested, I should suggest that you communicate directly with Mr. Marks.

Assuring you of my desire to be helpful, I am

Yours very truly,

J. S. Coupal,
Director.

JSC-aam

32-1-5
336

Glendale, Arizona.
August 6th 1940.

Mr. J.S. Coupal, Director,
Arizona Department of Mineral Resources.,
Capitol Building.,
Phoenix, Arizona.

Dear Sir:-

Herewith attached mine owners report with supporting papers. Please handle with person or persons making inquiries through your office for such a property.

I would suggest: Go-1, Go-3, Go-4, Go-7, Go-9, Go-10, Go-11, Go-13, Go-14, Go-15, Go-16, Go-19, Go-20, Si-2, Si-4, Mis-1, Mis-2, Mis-3, Mis-5, Mis-7, Mis-8, Mis-10, Mis-11, Mis-12, Mis-13, Mis-14, Mis-16, Mis-17, Mis-18, Mis-23, Mis-26.

Thanking you in advance for your kind and prompt attention. I remain

Very truly yours,

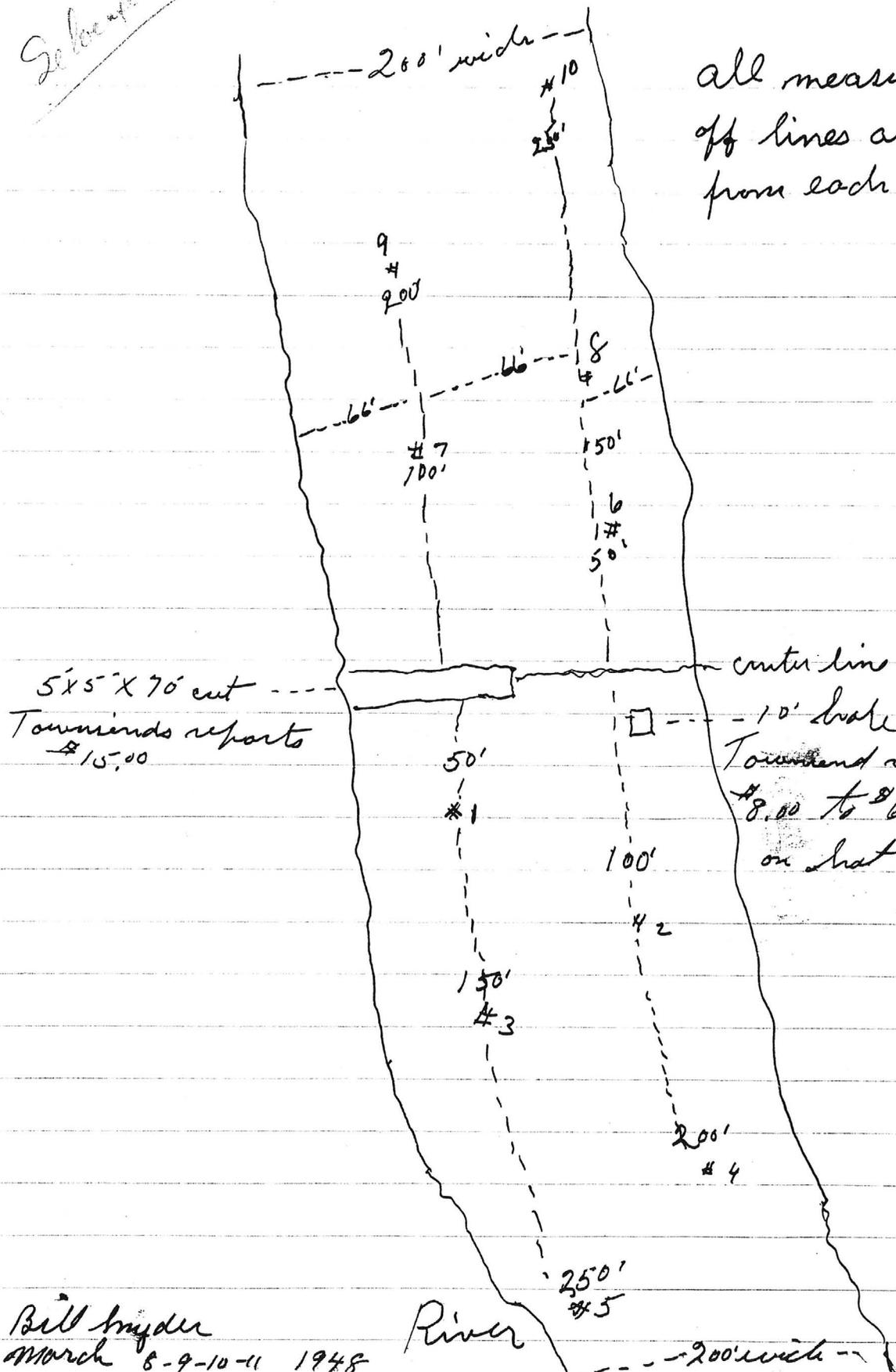
V.C. Marks ✓
449 East D. Ave.

*Copy of rep. 8/1 is to 2
47 had copy of mine owner report 2
for!*

*u ho ask 3 2 com dlet u x
asus u o m dse 2 t
helpful, u a rpt*

Subtract

all measurements stepped
off lines are $\frac{1}{3}$ of width
from each side and $\frac{1}{3}$ apart



center line
- 10' hole
Townsend reports assays
#8.00 to #60.00 hole sunk
on that spot

Bill Snyder
March 8-9-10-11 1948

River

---200' width---

No. 369 De

Phoenix, Arizona,
16 March 1948

*Silver and
Base*

CHAS. A. DIEHL

ARIZONA ASSAY OFFICE

Phone 3-4001

815 North First Street

P. O. Box 1148

This Certificate That samples submitted for assay by Department of Mineral Resources contains as follows per ton of 2000 lbs. Avoir.

| Beuse | MARKS | SILVER | | VALUE (Oz.) | GOLD | | VALUE (Oz.) | TOTAL VALUE Of Gold and Silver | PERCENTAGE | | | REMARKS |
|-----------|---------|--------|--------|-------------|--------|---------|-------------|-----------------------------------|------------|---|---|---------|
| | | Ounces | Tenths | | Ounces | Hundths | | | % | % | % | |
| | Snyder | | | | | | \$35 | | | | | |
| | No. 1. | | | | .04 | | \$1.40 | | | | | |
| | No. 2. | | | | .02 | | \$.70 | | | | | |
| | No. 3. | | | | .02 | | \$.70 | | | | | |
| | No. 4. | | | | .01 | | \$.35 | | | | | |
| Red Knoll | No. 5. | | | | .01 | | \$.35 | | | | | |
| | No. 6. | | | | .04 | | \$1.40 | | | | | |
| | No. 7. | | | | .01 | | \$.35 | | | | | |
| | No. 8. | | | | .04 | | \$1.40 | | | | | |
| | No. 9. | | | | .02 | | \$.70 | | | | | |
| | No. 10. | | | | .06 | | \$2.10 | | | | | |

Charges \$ 12.50

Assayer ARIZONA ASSAY OFFICE

No. 369 De

CHAS. A. DIEHL

Phoenix, Arizona,

16 March 1948

ARIZONA ASSAY OFFICE

Phone 3-4001

815 North First Street

P. O. Box 1148

This Certifies That samples submitted for assay by **Department of Mineral Resources** contain as follows per ton of 2000 lbs. Avoir.

| Beuse | MARKS | SILVER | | VALUE (Oz.) | GOLD | | VALUE (Oz.) | TOTAL VALUE Of Gold and Silver | PERCENTAGE | | REMARKS |
|------------------|---------------|--------|--------|-------------|--------|---------|-------------|-----------------------------------|------------|---|---------|
| | | Ounces | Tenths | | Ounces | Hundths | | | % | % | |
| | Snyder | | | | | | \$55 | | | | |
| | No. 1. | | | | .04 | | \$1.40 | | | | |
| | No. 2. | | | | .02 | | \$.70 | | | | |
| | No. 3. | | | | .02 | | \$.70 | | | | |
| | No. 4. | | | | .01 | | \$.35 | | | | |
| Red Knell | No. 5. | | | | .01 | | \$.35 | | | | |
| | No. 6. | | | | .04 | | \$1.40 | | | | |
| | No. 7. | | | | .01 | | \$.35 | | | | |
| | No. 8. | | | | .04 | | \$1.40 | | | | |
| | No. 9. | | | | .02 | | \$.70 | | | | |
| | No. 10. | | | | .06 | | \$2.10 | | | | |

Charges \$ 12.50

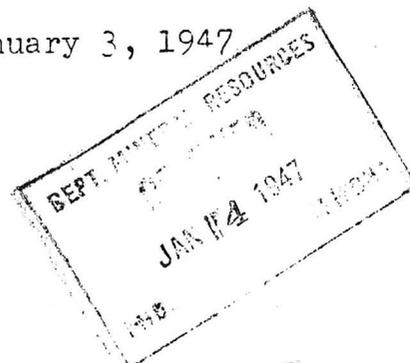
Assayed **ARIZONA ASSAY OFFICE**

University of Arizona

TUCSON

COLLEGE OF MINES
ARIZONA BUREAU OF MINES

January 3, 1947



Mr. Chas. H. Dunning
304 Homebuilders Bldg.
Phoenix, Arizona

Dear Mr. Dunning:

The following results were obtained on composite sample of Silverfield gold ore which was left by Mr. Manning.

Cyanidation by Agitation

A sample was ground in a ball mill and cyanided in a revolving bottle for 48 hours. The results are given in the following table:

| | Tons per 100 tons of heads | Oz. gold per ton | Dissolution per cent |
|---------------------|-------------------------------|------------------|-------------------------|
| Heads | 100.0 | 0.136* | 100.0 |
| Solution and washes | 210.0 | 0.0584 | 90.4 |
| Tailing | 100.0 | 0.013* | 9.6 |
| " on 100-mesh | 5.8 | 0.02 | |
| thru 100 on 150 | 11.8 | 0.02 | |
| " 150 on 200 | 24.8 | 0.015 | |
| " 200 | 57.6 | 0.01 | |

*computed

Cyanide consumption 1.0 pound per ton
Lime consumption 6.0 pound per ton

The solutions and washes amounted to 210 tons per 100 ton of feed, assayed 0.0584 oz. gold per ton and contained 90.4 per cent of the total gold.

Cyanidation of Sands

A sample was crushed to minus 10-mesh and deslimed. The sands were cyanided by percolation for 96 hours. The slimes were not cyanided. The results are given in the following table:

| | Tons from 100 tons of feed | Oz. gold per ton | Dissolution per cent |
|-------------------|-------------------------------|------------------|-------------------------|
| Heads | 100.0 | 0.135* | 100.0 |
| Solution 96 hours | 50.5 | 0.104 | 38.8 |
| Washes | 89.2 | 0.028 | 18.5 |
| Sand Tailing | 93.5 | 0.05 | 34.6 |
| Slimes | 6.5 | 0.17 | 8.1 |

* Computed

Lime consumption 0.6 pound per ton
Cyanide consumption 0.3 pound per ton

The strong solution amounted to 50.5 tons per 100 tons of feed, assayed 0.104 oz. gold per ton and contained 38.8 per cent of the total gold. The washes amounted to 89.2 tons per 100 ton of feed, assayed 0.028 oz. gold per ton and contained 18.5 per cent of the total gold. The extraction amounted to 57.3 per cent of the total gold. The sand tailing amounted to 93.5 tons per 100 tons of feed, assayed 0.05 oz. gold per ton and contained 34.6 per cent of the total gold. The slimes which were not treated amounted to 6.5 tons per 100 tons of feed, assayed 0.17 oz. gold per ton and contained 8.1 per cent of the total gold.

Conclusion

1. The material responds to cyanidation if ground fine and the tailing settles good.
2. Sand leaching gave a tailing of 0.05 oz. gold per ton which is high.

Yours very truly,



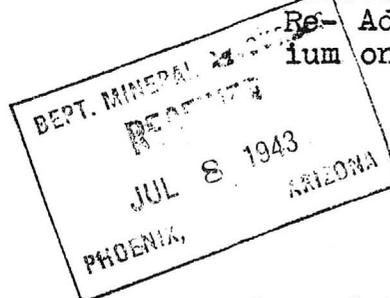
G. H. Roseveare
Metallurgist

July 7, 1943

Silver Field Mine
Re- Additional Premium on Copper

M E M O R A N D U M

To: J. S. Coupal
From: Elgin B. Holt



Attention is called ~~is called~~ to your memorandum of June 21, in which you enclosed copy of a letter, dated June 11, 1943, (File "4H-JAB"), to Earl F. Hastings, from F. H. Hayes, of the Copper Division, regarding the Silver Field Mine, located in Mohave County, Arizona. A copy of the said letter is herewith attached.

I note Mr. Hayes states: "You are correct that this type of ore is of interest to us, and you probably know that it is needed by both the Hayden and Clarkdale smelters".

Per your instructions, inasmuch as I have done considerable work on this property, I have interviewed the owners thereof, and they gave me certain data which I am passing on to you, so you may transmit the same to Mr. Hayes, together with my comments.

However, Mr. Sidney B. Moeur, one of the owners, informed me that the Silver Field Mine is not now being operated; but that a deal is pending with responsible people, represented by Mr. E. P. Crawford, of Saratoga, California, and if a deal is made, these people will take the matter up with Mr. Hayes.

In fact, Mr. Crawford has already corresponded with Mr. Brent N. Rickard, of the American Smelting & Refining Co., concerning smelter treatment charges, etc., on Silver Field ores, and a copy of Rickard's letter to Crawford, about this matter, is herewith attached and made a part of this memorandum.

I note Mr. Hayes wants information concerning the following items, to-wit:

Silver Field Mine

Rate of Production:

Under the set-up proposed by Mr. Crawford, it is believed around 1500 tons of fluxing ore can be produced monthly, averaging not less than:

| | | | | | |
|--------|--------|------|---------------------|-------|--------------------------------|
| Au-oz. | Ag-oz. | Cu-% | SiO ₂ -% | CaO-% | Al ₂ O ₃ |
| 0.015 | 14.7 | 1.0 | 66.4 | 7.8 | 2.5 |

Moisture in Ore: 1.1%, based on 10 car lot shipments.

Labor: 21 men will be required.

Costs per Ton: Estimated costs on basis of dry tons:

- (a) Mining: see following estimate
- (b) Development: No development work will be needed, as Silver Field ore occurs in surface blanket deposits, with no overburden; and ore can be mined by open pit methods.
- (c) Milling: None.
- (d) Trucking to R. R.: See following estimate
- (e) Railroad freight to smelter: See following estimate
- (f) Smelting: See following estimate
- (g) Overhead: See following estimate
- (h) Royalty: See following estimate

ESTIMATE OF COSTS PER TON OF ORE MARKETED:

Daily mining and overhead costs:

Overhead:

| | | |
|-------------------------------|---------|---------|
| 1 - Superintendent ----- | \$12.00 | |
| 1 - Foreman ----- | 10.00 | |
| 1 - Bookkeeper ----- | 10.00 | |
| 1 - Pickup truck driver ----- | 7.50 | \$39.50 |

Mining Work:

| | | |
|-----------------------------|--------|--------|
| 1 - Assayer ----- | 10.00 | |
| 1 - Assayer's helper ----- | 7.50 | |
| 1 - Sampler ----- | 7.50 | |
| 8 - Machine men ----- | 64.00* | |
| 4 - Muckers ----- | 30.00# | |
| 1 - Mechanic ----- | 10.00 | |
| 1 - Mechanic's helper ----- | 7.50 | 136.50 |

* At \$8.00 daily ---- # At \$7.50 daily

| | |
|---|---------|
| Total daily pay roll ----- | 176.00 |
| Total monthly pay roll (25 working days) ---- | 4400.00 |

Silver Field Mine

Total monthly pay roll, brought forward --- \$ 4400.00

Plus sundry monthly costs:

| | | |
|--|-----------|------------|
| Workmen's comp. insurance, 14% of pay roll, as mine is 60 miles from medical service ----- | \$ 616.00 | |
| Occupational disease insurance, estimated at 0.5% of pay roll ---- | 22.00 | |
| Social security & old age benefit, 1.0% of pay roll ----- | 44.00 | |
| Workmen's unemployment compensation, 2.7% of pay roll ----- | 118.80 | |
| Repairs and replacements of drill steel and tools ----- | 300.00 | |
| Explosives and fuel oil, etc. ---- | 750.00 | |
| Miscellaneous expenses ----- | 250.00 | 2100.80 |
| Total ----- | | \$ 6500.80 |

Based on a production of 1500 tons of desirable fluxing ore monthly, costs per ton would be: \$6500.80 divided by 1500, equals -- \$4.33.

Smelting charges per ton, incl. R. R. freight:

The estimate concerning this item is based on 582 tons of ore, shipped from Silver Field, by Mildred Mining Co., to the El Paso Smelting Works, average results of said shipments being as follows:

Assays:

| | <u>Tons</u> | <u>Au</u> | <u>Ag</u> | <u>Cu</u> | <u>SiO2</u> | <u>CaO</u> | <u>Al2O3</u> |
|---------------------------------------|-------------|-----------|-----------|-----------|-------------|------------|--------------|
| 1. Mildred Mining Co. Shipments ----- | 582 | .015 | 14.7 | 1.0 | 66.4 | 7.8 | 2.5 |

Payments:

| | |
|--------|--------|
| | No. 1 |
| Silver | \$9.65 |
| Copper | 1.03 |
| | 10.68 |

Deductions:

| | |
|-----------------|------|
| Base charge | 1.75 |
| Over \$10 @ .10 | .07 |
| | 1.82 |

F. O. B. Hayden 8.86

Freight - 3% tax 2.58

Net at Bouse per ton on Smelter Settlement 6.29 ----- carried forward

Silver Field Mine

Net at Bouse per ton on
Smelter Settlement 6.29

Metals Reserve premium
Zero "A" quota .97

Total per ton at Bouse,
Station on Santa Fe Ry. \$7.25

Note:

The above results were copied from letter from Brent N. Rickard to
E. P. Crawford; said letter being attached hereto, and dated May 31, 1943.

Summary:

| | |
|--|--------|
| Total per ton at Bouse ----- | \$7.25 |
| Less costs per ton of ore marketed: | |
| Operating costs per ton ----- | \$4.33 |
| Royalty: 10% of \$7.25 ----- | .72 |
| Trucking to Bouse, from mine ----- | 2.00 |
| Interest on a capital investment of \$25,000, at 1% per month ----- | .16 |
| Estimated net profit per ton ----- | .04 |
| | <hr/> |
| | \$7.25 |
| | \$7.25 |
| | <hr/> |

Conclusion:

I have had a talk with Mr. E. P. Crawford, and both he and I believe
that a slightly better grade of ore can be produced from Silver
Field than the grade on which the above estimate is based; and
thereby the average tenor of shipping ore might be brought up to
1.5% copper, and silver values increased accordingly.

Therefore, it is believed that any operator of this property could
make something above operating costs, when and if arrangements could
be made with the Quota Committee, War Production Board, to grant
an additional premium of 7¢ per pound for copper.

Elgin B. Holt
Elgin B. Holt,
Field Engineer.

cc - Sidney B. Moeur
E. P. Crawford

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
MINE OWNER'S REPORT

Sec 4, T10N, R.15W
Swansea 15' Quad.
KAP May 3, 1979

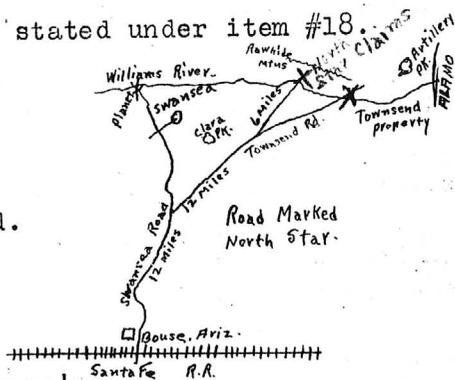
Date August 6th 1940.

1. Mine North Star, North Star #1, North Star #2, North Star #4.
3. Mining District & County Owens Mining Dist., Mohave County.
4. Former name Silver Triangle, and same as listed under item #1.
5. Owner V.C. Marks. ✓
7. Operator James Becker.
9. President, Owning Co. None.
10. Gen. Mgr. None.
11. Mine Supt. None.
12. Mill Supt. None.
13. Men Employed 3 off and on. Average 15 shifts a month per man past 2 months.
18. Operations: Present Intermittently, Road building, Open cut work and tunneling. Exposing extent of veins and exploration work to uncover high grade gold bearing veins.

2. Location 30 miles North East of Bouse, Arizona. About 4 miles N.E. of Swansea Mines.
6. Address (Owner) 449 East D Ave., Glendale, Arizona
8. Address (Operator) Gen'l. Del'y. Bouse, Arizona.
- 9A. President, Operating Co. None. ✓
14. Principal Minerals Free Gold, Silver Bromides & Silver Sulphides, Copper.
15. Production Rate Work so far has been only exploration Production rate undetermined.
16. Mill: Type & Cap. None.
17. Power: Amt. & Type None.

19. Operations: Planned Nothing other than stated under item #18.

20. Number Claims, Title, etc. 4 Claims. Unpatented.



21. Description: Topography & Geography

Approximately 1/2 mile North of Williams River. Rugged. Between Rawhide Mtns. & Williams River. Highest workings about 500 ft above River.

22. Mine Workings; Amt. & Condition North Star claim showing gold bearing ledge, approximately 50 feet wide, cut thru with open cut exposing ledge showing high tonnage available, general assay of all material shows value of \$4.83, and selected ore shows value of nearly two ounces (Gold). North Star claim #2 has 40 ft tunnel about 33 degree incline, last ore sold 2.444 net dry tons run Gold: 0.77ozs value \$24.79 Silver: 1.00ozs value .70. Value per ton \$25.49. Original owner chlorided from this tunnel 4 tons of Gold ore last winter that run \$117.60 per ton. North Star claims #1 & 4 has silver ledge approximately 1,000 ft long and ranging from 10 feet to 25 feet wide. The main workings are about a twenty five foot tunnel and about a 50ft cut. Gouges here and there along the entire length. Values run in all ore from \$2.72 to \$111.44 (Highest assay value, Gold 0.04ozs \$1.29 Silver 145.10ozs \$101.57 Copper 20% \$8.58 Total \$111.44 per ton.

Copy of Sealed
orig.

yellow copy

23. **Geology & Mineralization**

General geology, schist, lime and conglomerate. Surface on silver only thing worked so far, tends to run pocketedly. Has several indications of running to depth. Believe types of deposits indicate sedimentary. Ore values run in quartz. Veins are of replacement deposits. Values occur as oxides and sulphides. Some adjoining veins adjacent to workings show native silver.

24. **Ore: Positive & Probable, Ore Dumps, Tailings**

No ore blocked out. Appears with development that very large tonnages would be encountered. Approximately 200 tons of ore on dump. Former assays run from 26 to 54 ozs in silver. Latest assay shows, general run, 0.03 ozs Gold, \$0.96. 17.80 ozs Silver \$12.46 Total \$13.42 per ton. 0.50% Copper.

24A. **Dimensions and Value of Ore body.** 1,000 ft ledge of Silver shows veins running down approximately 5 inches wide and veins running lengthwise from 5 inches to 10 inches. 40ft tunnel shows vein running across entire face of from 1½ inch to 5 inches, with indication of widening with depth. Just passed thru vein 2½ ft wide with this width showing on sides. General assay of entire face shows 0.10ozs Gold \$3.22 0.50ozs Silver \$0.35 Total \$3.57 per ton. (This assay taken from top and botton of vein).

25. **Mine, Mill Equipment & Flow-Sheet**

Mine equipment consists of hand equipment only. No milling equipment.

26. **Road Conditions, Route**

Graded road to river. Can be negotiated by new, low-clearance cars if very short detours taken in two or three places, account of high centers. Road across river gravelled and brushed, all cars can make it. Roads have been built to all operating portions of property. Have been operating 8ton International dual wheeled truck to base of operations. Roads can be negotiated practically the year around.

27. **Water Supply**

The Williams River furnishes an abundance of water. Just a few feet to water. This river is practically dry all summer. River can be negotiated practically the year around. Only unusually heavy rainfall or cloudbursts makes it unnegotiable for short periods. If justifiable, with about 3 miles of road work a northern outlet can be had into Yucca and Kingman.

28. **Brief History** Understand the silver ledge has been worked off and on since 1900.

Light tramways were built at one time to get the ore to the river for wagon transportation into Bouse, thence by rail to San Francisco. The operators paid \$20. per ton to get their ore into Bouse. Understand this ore when chlorided was worth \$60. to \$75. per ton. Roads are now in that can be negotiated by heavy dual wheeled trucks. (See supplement sheet attached).

29. **Special Problems, Reports Filed**

No special problems. No Engineers' reports filed. Mr. Elgin B. Holt, Field Engineer. Western District. (Mohave and Yuma Counties) Box 288, Kingman Ariz. has promised to inspect the property some time in the early Fall.

30. **Remarks** Believe with an outlay of from \$5,000 to \$10,000 spent advantageously for development and exploration work, aside from mill consideration, this property can be developed into a very rich and high tonnage shipping property. Mill consideration, as property now stands, could be developed for immediate operation with good tonnage and value with much less money than quoted above.

31. **If property for sale:** Price, terms and address to negotiate. This property is now open for inspection. The intention is for prospective buyers and leasers to thoroughly inspect the property, take assays, and satisfy themselves as to productivity and value of property. A very reasonable price for sale or lease can be negotiated between owner and prospective buyers or leasers on very reasonable terms.

32. **Signature**.....

U.C. Marker

Address to negotiate:
449 East D Avenue,
Glendale, Arizona.

33. **Use additional sheets if necessary.**

No additional pertinent information. Anyone interested must satisfy themselves with the property and negotiate further with the owner who's address is listed above.

(No water is now in any of the workings).

yellow copy

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA

MN-17

OWNERS MINE REPORT

Date August 6, 1940

- North Star, North Star #1,
1. Mine North Star #2, North Star #4
2. Mining District & County Owens Mining District
Mohave County
3. Former name Silver Triangle, and same as listed
under item #1.
5. Owner V. C. Marks
7. Operator James Becker
9. President
11. Mine Supt.
13. Principal Metals Free Gold, silver, bromides &
silver sulphides, copper.
15. Production Rate Work so far has been only ex-
ploration. Production rate undetermined
17. Power: Amt. & Type
18. Operations: Present Intermittently, road building, open cut work and tunneling. Exposing
extent of veins and exploration work to uncover high grade gold bearing veins.
19. Operations Planned Nothing other than stated under item #18.
20. Number Claims, Title, etc. 4 Claims. Unpatented.
21. Description: Topography & Geography Approximately 1/2 mile north of Williams River. Rugged.
Between Rawhide Mts. and Williams River. Highest workings about 500 ft. above river.
- / North Star claim showing gold bearing ledge, approx, 50 ft.
/ wide, cut thru with open cut exposing ledge showing high ton-
/ nage available, general assay of all material shows value of
/ \$4.83, and selected ore shows value of nearly two ounces (Gold)
22. Mine Workings: Amt. & Condition North Star claim #2 has 40 ft tunnel about 33 degree incline,
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ft long and ranging from 10 to 25 ft wide. The main workings are: about a 25 ft tunnel and
about a 50 ft cut. Gouges here and there along the entire length. Values run in all ore
from \$2.72 to \$111.44 (Highest assay value, gold 0.04 ozs. \$1.29, silver 145.10 ozs \$101.57
Copper 6.20% \$8.58 - total \$111.44 per ton. ^(over)

Blue Cop.

23. **Geology & Mineralization** General geology, schist, lime and conglomerate. Surface on silver only thing worked so far, tends to run pocketedly. Has several indications of running to depth. Believe types of deposits indicate sedimentary. Ore values run in quartz. Veins adjacent to workings show native silver.
24. **Ore: Positive & Probable, Ore Dumps, Tailings** No ore blocked out. Appears with development that very large tonnage would be encountered. Approximately 200 tons of ore on dump. Former assays run from 26 to 54 ozs in silver. Latest assay shows, general run, 0.03 ozs gold, \$0.96. 17.80 ozs silver \$12.46, total \$13.42 per ton, 0.50% copper.
- 24-A **Vein Width, Length, Value, etc.** 1,000 ft. ledge of silver shows veins running down approx. 5 inches wide and veins running lengthwise from 5 inches to 10 inches. 40 ft. tunnel shows vein running across entire face of from 1-1/2 inch to 5 inches, with indication of widening with depth. Just passes thru vein 2-1/2 ft wide with this width showing on sides. General assay of entire face shows 0.10 ozs gold \$3.22 0.50 ozs silver \$0.35, total \$3.57 per ton. (This assay taken from top and bottom of vein.)
25. **Mine, Mill Equipment & Flow Sheet**
 Mine equipment consists of hand equipment only. No milling equipment.
26. **Road Conditions, Route** Graded road to river. Can be negotiated by new, low-clearance cars if very short detours taken in two or three places, account of high centers. Road across river graveled and brushed, all cars can make it. Roads have been built to all operating portions of property. Have been operating 8 ton International dual wheeled truck to base of operations. Roads can be negotiated practically the year around.
27. **Water Supply** The Williams River furnishes an abundance of water. Just a few feet to water. This river is practically dry all summer. River can be negotiated practically the year around. Only unusually heavy rainfall or cloudbursts makes it unnegotiable for short periods. If justifiable, with about 3 miles of road work a northern outlet can be had into Yucca and Kingman.
28. **Brief History** (SEE ATTACHED SUPPLEMENTAL SHEET)
29. **Special Problems, Reports Filed** No special problems. No Engineers' filed. Mr. Elgin B. Holt, Field Engineer, Western District, (Mohave and Yuma Counties), Box 288, Kingman, Arizona, has promised to inspect the property some time in the early Fall.
30. **Remarks** Believe with an outlay of from \$5,000 to \$10,000 spent advantageously for development and exploration work, aside from mill consideration, this property can be developed into a very rich and high tonnage shipping property. Mill consideration, as property now stands, could be developed for immediate operation with good tonnage and value with much less money than quoted above.
31. **If property for sale: Price, terms and address to negotiate.** This property is now open for inspection. The intention is for prospective buyers and leasers to thoroughly inspect the property, then take assays, and satisfy themselves as to productivity and value of property. A very reasonable price for sale or lease can be negotiated between owner and prospective buyers or leasers on very reasonable terms. Address to negotiate: 449 East D Avenue, Glendale, Ariz.
32. **Signed**.....V. C. Marks.....
 No additional pertinent information. Anyone interested must
33. **Use additional sheets if necessary.** satisfy themselves with the property and negotiate further with the owner whose address is listed above. (No water is now in any of the workings.)

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