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PRINTED: 09/04/2002

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES AZMILS DATA

PRIMARY NAME: TINTIC

ALTERNATE NAMES:

MOHAVE COUNTY MILS NUMBER: 119D

LOCATION: TOWNSHIP 23 N RANGE 18 W SECTION 5 QUARTER SW
LATITUDE: N 35DEG 24MIN 31SEC LONGITUDE: W 114DEG 13MIN 42SEC
TOPO MAP NAME: CHLORIDE - 7.5 MIN

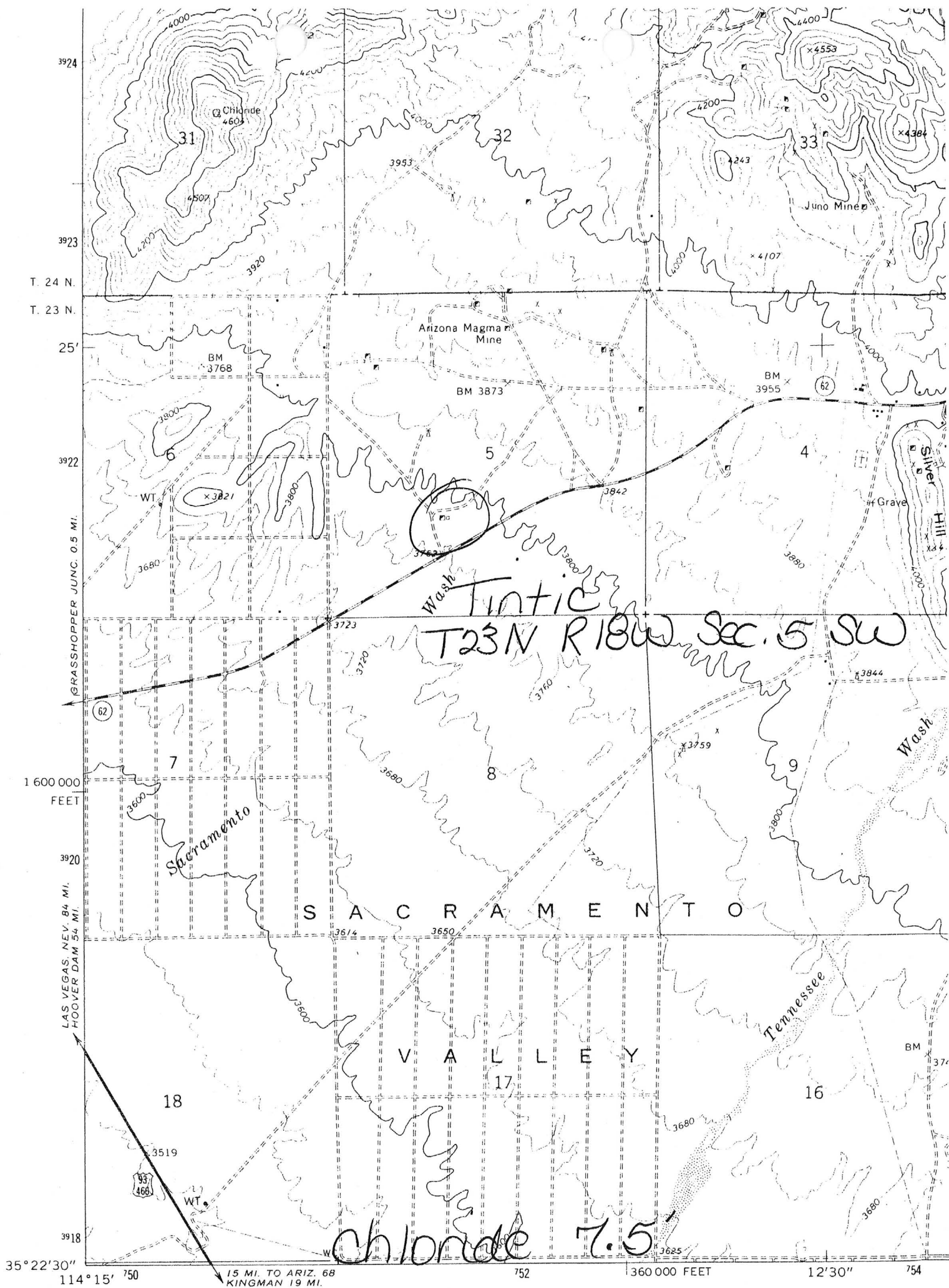
CURRENT STATUS: PAST PRODUCER

COMMODITY:

GOLD LODE
SILVER
COPPER
LEAD
ZINC

BIBLIOGRAPHY:

ADMMR TINTIC MINE FILE
ADMMR MOHAVE CUSTOM MILL PROJECT
HAURY, P.S. "ZINC-LEAD MINES WALLAPAI DIST, AZ
USBM RI 4101, P. 22; 1947
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137, P. 112; 1967
AZ MINING JOURNAL, AUG. 1920, P. 13
MALACH, R "CERBAT MTN CTRY" P. 29; 1977
ELSING, M.J. "AZ METAL PRODUCTION" AZBM BULL
140, P. 95; 1936
EVAL. OF MIN. RES. OF HUALAPAI INDIANS, VOL.
I, 1964, P. 205-206
SCHRADER, F.C. "MIN DPSTS OF CRBT RNGE, BLCK
MTN, GRND WSH CLFS, AZ" USGS BULL 397, P. 79
THOMAS, B.E. "GEOLOGY OF CHLORIDE QUAD" P. 406
1953 (ADMMR GEOLOGY FILE)



NAME OF MINE: TINTIC
OWNER:

COUNTY: Mohave
DISTRICT: Wallapai
METALS: ✓ Pb, Zn, Au, Ag

OPERATOR AND ADDRESS

MINE STATUS

| Date: | | Date: | |
|-------|---------------------------------|-------|------------|
| 4/45 | Harold Hawks, Box 193, Chloride | 4/45 | Developing |
| | | 8/45 | Idle |

Au, Ag, Pb

Mohave

8 - 7

T 23 N, R 18 W

Hawks & Shafer, Box 193, Chloride

'45

MT-8 TINTIC, Harold Hawke & C.F.S. offer, Chloride, Arizona.

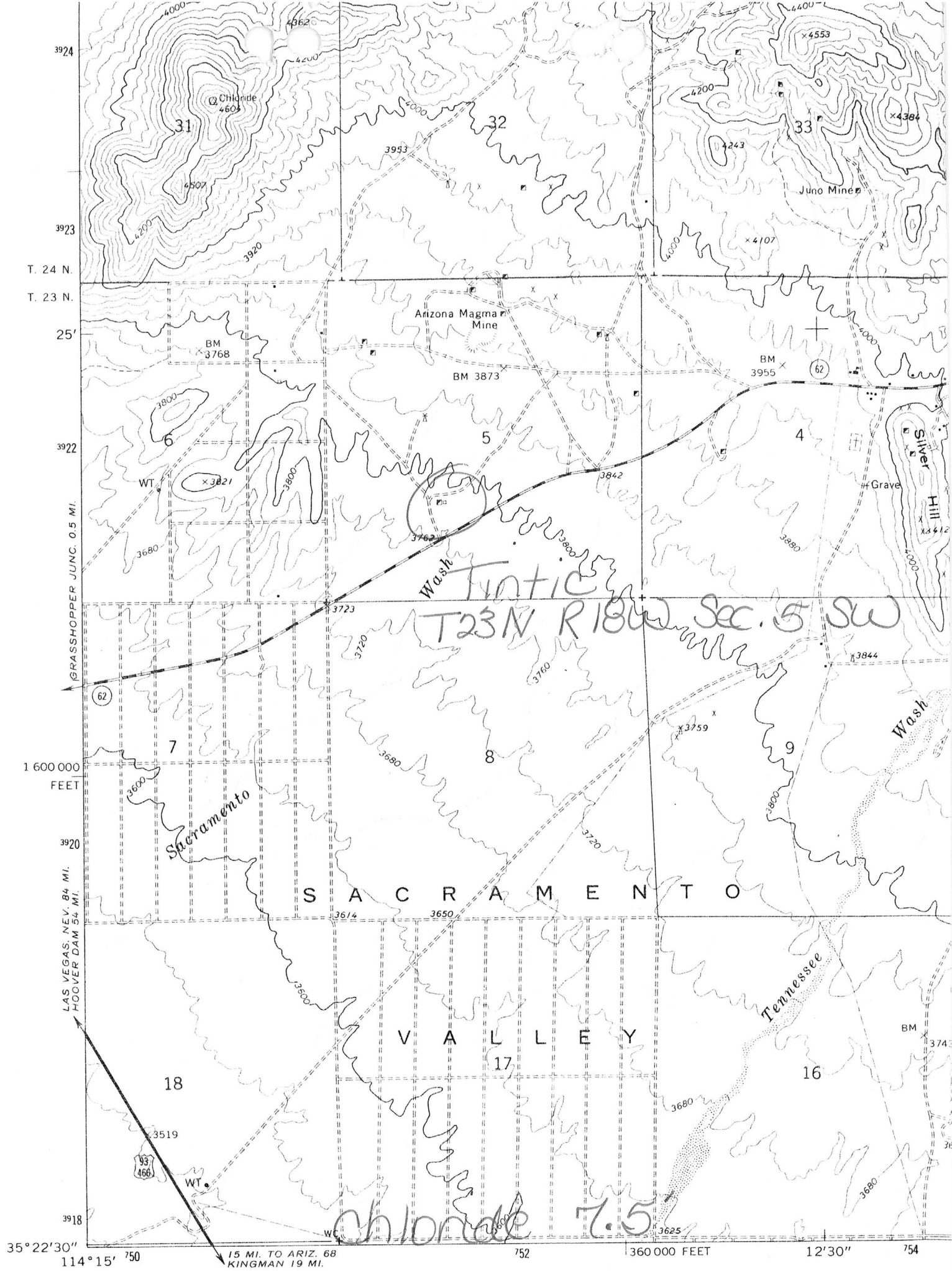
Your name and address has been furnished to -

Albert Poston, 3107 Brighton Ave., Los Angeles, Calif.

who has made inquiry for the same with reference to mining property listed with the Department of Mineral Resources.

DEPARTMENT OF MINERAL RESOURCES

J. S. Coupal, Director



MT-8 TINTIC, Harold Hawke & C.F. Saffer, Chloride, Arizona.

Your name and address has been furnished to -

Albert Poston, 3107 Brighton Ave., Los Angeles, Calif.

who has made inquiry for the same with reference to mining
property listed with the Department of Mineral Resources.

DEPARTMENT OF MINERAL RESOURCES

J. S. Coupal, Director

NAME OF MINE: TINTIC
OWNER:

COUNTY: Mohave
DISTRICT: Wallapai
METALS: ✓ Pb, Zn, Au, Ag

OPERATOR AND ADDRESS

MINE STATUS

Date:

4/45

Harold Hawks, Box 193, Chloride

Date:

4/45

8/45

Developing

Idle

Au, Ag, Pb

Mohave

8 - 7

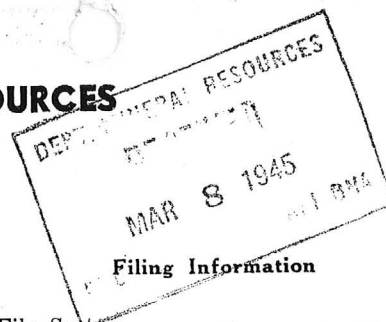
T 23 N, R 18 W

Hawks & Shafer, Box 193, Chloride

'45

DEPARTMENT OF MINERAL RESOURCES

REPORT TO OPA ON ACTIVE MINING PROJECT



Date February 10, 1945
 Name of Mine Lititz Mine
 Owner or Operator Harold Hawks
 Address Box 193 Chloride, Ariz.
 Mine Location 4 miles west of Chloride

File System.....

File No.....

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

PRESENT OPERATIONS: (check X)

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

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

Other (specify) Will be shipping within 30 days

PRODUCTION: Past and Future:

Tons

Approx. tons last 3 months not operating

Approx. present rate per 3 months " "

Anticipated rate next 3 months 105

If in distant future check (X) here

EQUIPMENT OPERATED:

| Type | Quantity or Horse Power | Miles or Hours Per Month | Gallons Required Per Month |
|--------------------------|-------------------------|--------------------------|----------------------------|
| Personal Cars | | <u>924 miles</u> | |
| Light or Service Trucks | <u>NONE</u> | | |
| Ore Hauling Trucks | <u>NONE</u> | | |
| Compressors | <u>Not yet</u> | | |
| Other Mine or Mill Eqpt. | <u>Not yet</u> | | |

PRODUCT PRODUCED OR CONTEMPLATED: Name metals or minerals.

REMARKS:

ARIZONA DEPARTMENT OF MINERAL RESOURCES

By.....

F.S.

DEPARTMENT OF MINERAL RESOURCES

REPORT TO OPA ON ACTIVE MINING PROJECT

DEPT. MINERAL RESOURCES
RECEIVED
NOV 8 1944
Filing Information

Date November 6, 1944

Name of Mine Tintic

Owner or Operator E. W. Nitton & Associates

Address Chloride, Ariz.

Mine Location 1.5 miles west of Chloride

File System

File No.

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

PRESENT OPERATIONS: (check X)

Production ☒; Development ☒; Financing; Sale of mine;

Experimental (sampling); Owner's occasional trip;

Other (specify)

PRODUCTION: Past and Future.

Tons

Approx. tons last 3 months

Approx. present rate per 3 months

Anticipated rate next 3 months 250 tons

If in distant future check (X) here

EQUIPMENT OPERATED:

| Type | Quantity or Horse Power | Miles or Hours Per Month | Gallons Required Per Month |
|--------------------------|-------------------------|--------------------------|----------------------------|
| Personal Cars | 1 | 600 m. | 40 |
| Light or Service Trucks | | | |
| Ore Hauling Trucks | | | |
| Compressors | 1 30-HP comp. | 208 hours | 624 |
| | 10-HP hoist | 208 " | 208 |
| Other Mine or Mill Eqpt. | | Total | 872 |

PRODUCT PRODUCED OR CONTEMPLATED: Name metals or minerals. Lead, zinc & silver

Applicants have started operating the Tintic mine, and will employ around 5 men. Also have an option on the Blackjack mine about 2 miles east of Chloride, on which they expect to start work. Will need about 2616 gallons gasoline for next 3 month.

Request one 550-16 tire.

ARIZONA DEPARTMENT OF MINERAL RESOURCES

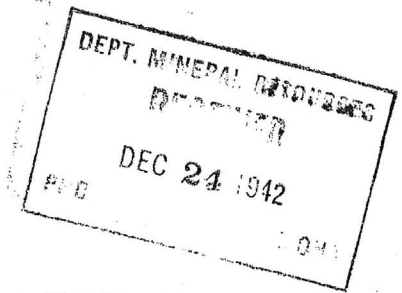
By Elgin B. Holt

Elgin B. Holt, Field Engr.

Chloride, Arizona.

Box 153.

Dec. 18, 1942.



Mr. Earl F. Hastings, Assistant Director & Projects Engineer,
Department Of Mineral Resources,
413 Home Building, Phoenix, Arizona.

Dear Mr. Hastings:

In reply to your letter of Dec. 10th regarding the confusion over the P-56 rating and the RFC loan application the following explanation is offered.

The application for a P-56 rating for the Tintic Mine was made by one of the associates of TINTIC LEASE prior to my arrival at the mine and at the time of the application capital, sufficient to carry out their intended program of operations, was subscribed or pledged by the associates of TINTIC LEASE and there was nothing to indicate that this capital would not immediately be available for operations when the rating was received.

Later, while awaiting the rating, circumstances which prevented the fulfilling of one of the pledges arose and it was then decided to seek a RFC loan. One of my associates called on Mr. Sherman, RFC Supervising Engineer, Spokane, Wash. and was advised to apply for a RFC Preliminary Development Loan and was instructed to get in touch with Bill Gohring, RFC Supervising Engineer for Arizona. Shortly after this Mr. W.H. North, one of the TINTIC LEASE associates, wrote to Bill Gohring, who wrote to me referring to Mr. North's letter and asked me what we proposed to do at the Tintic Mine. Following my answer to this letter a set of application forms were forwarded from the Phoenix office of RFC.

Mr. Holt called on us regarding the rating on Nov. 1st. He was assured by us that we had sufficient capital for operations and that all that was holding us up was the lack of a priorities rating. It was sometime later before we learned that one of the pledges could not be fulfilled and the decision to seek a loan was made. It was 20 days after Mr. Holt's visit before the loan application was in the mail.

I sincerely regret the confusion and any embarrassment caused your department by our change in plans and I assure you that we were acting in good faith when Mr. Holt assisted us in getting the rating. The only reason for this change has been explained above.

Trusting the foregoing will answer your questions, I am

Very truly yours

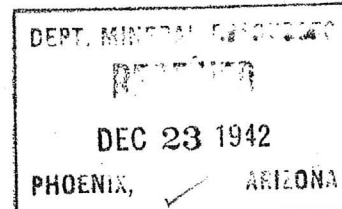
Jos. G. O'Brien
Jos. G. O'Brien
Manager, TINTIC LEASE

Kingman, Arizona, Dec. 21, 1942.

MEMORANDUM

To: Earl F. Hastings

From: Elgin B. Holt.



Referring to your letter of December 10, 1942, to Mr. Joseph G. O'Brien, Tintic Lease, Chloride, Arizona, a copy of which you mailed to me, I note you say that the P-56 serial number rating was granted to Mr. O'Brien on the basis that it alone was responsible for delay in his operations; that later RFC forwarded to our Phoenix office O'Brien's application for a Preliminary Development Loan, etc.

On my arrival in Kingman last Saturday, December 19th, Mr. O'Brien and his associate, Mr. A. R. Timm, called on me, and gave me the following information about the matter you mention:

That at the time I called on Mr. O'Brien at Chloride, just before November 1, he then stated he had ample funds in the Kingman bank, or pledged to cover his proposed operations; so O'Brien stated he then had no reasons to believe otherwise than that all of the funds would be available for their use when the said priority rating was granted. That, however, shortly before the actual receipt of the said rating, one of O'Brien's prospective associates, who had pledged a portion of the money he had counted on, became exorbitant in his demands and when these were not accorded to the said prospective associate withdrew. That this left O'Brien and his other associates in a position where they had to hunt for other private funds, or seek a Government loan. That the latter action they were advised to take both by myself, at a Council meeting in Chloride, and mainly by one of O'Brien's associates, who took the matter up with Mr. Sherman, Supervising Engineer for RFC, of Spokane, Washington. That Mr. Sherman then advised O'Brien's associate to apply to Mr. Gohring, of Phoenix, for a \$5,000 Preliminary Development Loan, which matter was then attended to by Mr. O'Brien, who has assured me that he had no intention of applying for such a loan at the time he made application for the said rating.

I can verify this fact by stating: at the time I first called on Mr. O'Brien, just prior to November 1st, I then asked him if he desired to apply for an RFC loan. He then answered that such was not his intention as he had all necessary funds pledged, and a part of these funds were then deposited in the Kingman bank.

cc - J. G. O'Brien

Elgin B. Holt

Elgin B. Holt,
Field Engineer.

To: Earl F. Hastings, Asst. Director,
Dept. of Mineral Resources,
413 Home Builders Bldg.,
Phoenix, Arizona.

December 10, 1942

Mr. Joseph G. O'Brien
Tintic Lease
Chloride, Arizona

Dear Mr. O'Brien:

Subject: Tintic Mine

On October 30 we received a request from Washington to investigate your eligibility for a P-56 serial number. Mr. Elgin B. Holt called on you, submitted his report direct to Washington on November 1, and your serial number was granted on November 13.

This P-56 rating was granted on the basis that it and it alone was responsible for delay in your operation. You have a copy of the Holt report and will note, under paragraphs headed "Capital Available", "Men to be Employed" and "Conclusion", that emphasis is placed on the fact that funds were available for immediate use as soon as the P-56 rating was granted.

We are somewhat amazed that the Reconstruction Finance Corporation Mine Loan Division has forwarded to us your application for a Preliminary Development loan. This certainly indicates to us that whether or not capital is available for this operation that it is not to be so used, at least in the preliminary work.

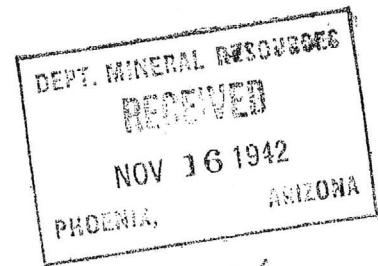
In view of Mr. Holt's report this certainly places the Department in an embarrassing position. Our ability to help Arizona mine operators in Washington becomes endangered any time when we forward information which later turns out to be incorrect. Will you please advise as to the conditions affecting this change in your plans of operations. We are holding your docket in abeyance pending such information.

Very truly yours

Earl F. Hastings
Assistant Director and
Projects Engineer.

EFH:BA

Washington, D.C.
Nov. 14, 1942



SUBJECT: Mine Priorities
P-56 serials
✓ Tintic Mine

For your information the Tintic Mine was issued a serial number
November 13th.

The number is 48-228.

Bill Broadgate

November 1, 1942

P. O. Box 188,
Kingman, Ariz.

C
Subject: P-56 Rating for the
Tintic mine, Chloride.

O
Mr. W. C. Broadgate,
Hotel Harrington,
11th and E Sts.,
Washington, D. C.

P
Dear Bill:

Y
Sam called me on the phone this morning and asked me to run up to Chloride for the purpose of interviewing Mr. J. G. O'Brien, who has been trying to get a P-56 priority rating for the Tintic mine near Chloride. I understood Sam to say you are helping the lessees of this property to secure the rating mentioned.

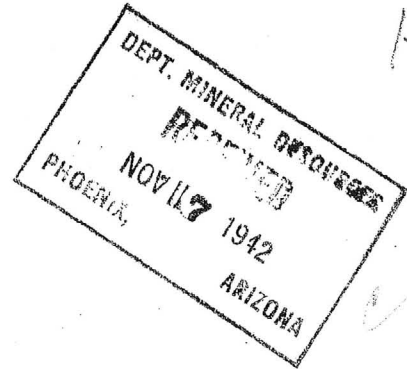
Acting on Sam's request, I drove up to Chloride and had an interview with Mr. O'Brien. In short, attached hereto is my report concerning the said matter.

Trusting that all goes well with you and with kind personal regards, I am

Very sincerely yours,

Elgin B. Holt,
Field Engineer.

Washington, D.C.
Nov. 4, 1942



SUBJECT: Priorities,
P-56
Mine Coordinator,
✓ Tintic and Ainsworth

Thank you for getting the material on these mines so promptly.
I took it over to the WPB this morning for them to study.

I note that these properties do not seem to be in actual operation.

Bill Broadgate

October 31, 1942

MEMORANDUM

TO: Elgin B. Holt

FROM: Earl F. Hastings

We have a telegram from Bill Broadgate asking for information as to the eligibility of the Tintin Mine, J. C. O'Brien, Chloride.

We assume a typographical error in the name of the mine as we have no record of any Tintin property. Possibly he meant the Tintic which is just west of the Arizona Magna Mill.

Apparantly O'Brien has made application for a P-56 serial number. If so, please ask him to fill in a new application which you may send to us together with your impression as to his eligibility.

October 31, 1942

MEMORANDUM

TO: W. C. Broadgate

FROM: Earl F. Hastings

Your telegram of October 30 has been received. We have no record of any Tintin Mine and am wondering if you did not mean the Tintic.

We have forwarded the nature of your request to Elgin B. Holt and asked that he check for a possible Tintin and for Mr. O'Brien, we will forward a new P-56 application together with Holt's report immediately upon receipt.

As to the Ainsworth property, we approved an RFC Class C loan September 30 and were informed that this loan was granted October 16.

Inasmuch as the recipient of Class C funds cannot operate entirely under the P-100, they should be eligible for a P-56; otherwise, there would be little object in granting them a loan.

In order to support your possible argument in this matter, we are asking Mr. Ballam to check on progress at the Ainsworth.

I am sending you a copy of Mr. Coupal's recommendation in granting the loan and a memorandum made by George Ballam in July.

DEPARTMENT OF MINERAL RESOURCES
State of Arizona
FIELD ENGINEERS REPORT

MINE: TINTIC DATE: July 12, 1943
DISTRICT: Wallapai, Mohave Co, Ariz. ENGINEER: Elgin B. Holt
Subject: B R I E F R E P O R T

OWNERS: Hawks & Shafer, Chloride, Arizona

METALS: Zinc, lead, gold and silver; some copper

LESSEE: Tintic Lease, a partnership.

ASSOCIATES IN LEASE: Joseph G. O'Brien, Mining Engineer and former Superintendent, Chloride, Arizona; J. Walter Kutruff, Secretary, 131 King St., Larkspur, Marin County, Calif; A. R. Timm, Spokane, Washington; A. H. Featherston, Judge of Circuit Court, Wallace, Idaho. Present Superintendent is: J. D. Shuck, Box 106 Chloride, Arizona.

NOTE: On June 30, Mr. Joseph G. O'Brien, who unwatered this property some years ago and examined the same in detail at that time, gave me the following information:

VEIN: There is one main vein from 1.5' to 12' wide, and several intersecting veins. Mine workings consist of five or six shafts from 30 to 160 feet deep. Main vertical two compartment shaft is 120' deep with a cross-cut 20' in length to vein at 120' level. On said level, a drift was run south on vein 74 feet; and another drift was run north on vein 172 feet. There is a winze in south drift 35 feet deep sunk on slope of vein; and another winze in north drift sunk on vein to a depth of 35 feet also. Ore vein at collar of south winze is 26 inches wide, of heavy sulphide ore assaying: Zinc 34%, lead 10%, gold .06 oz., and silver 10 ounces per ton. In north winze, ore vein at collar thereof is 48 inches wide, of sulphide ore, assaying: Zinc 8% to 10%; 16% lead; gold 0.75 oz.; and silver 20 ounces per ton.

PAST PRODUCTION: Johnson & Wicher around 1934-5-6, shipped 14 car loads of ore from above and below the 120-foot level, averaging from \$29.00 to \$32.00 in gold, silver and lead; zinc content being penalized.

POSSIBLE TONNAGE: O'Brien stated that the two winzes mentioned are 95 feet apart, each winze being 35 feet deep, as stated. That if these winzes could be sunk to 100 feet in depth each, and then connected at the bottoms thereof, this would give a block of ore 100 feet deep by 95 feet long by 2 feet in thickness, equalling about 1,900 tons; and that one could count on around another 1,000 tons above the 120-foot leve; making about 2,900 tons of possible ore, assaying from 8% to 34% zinc and from 10% to 16% lead, with goodly gold and silver values also.

In short, O'Brien stated that if mine is further developed and put in order, and such work is progressing at the present time, he is of the firm opinion and belief this property could easily furnish 30 tons daily, as work progresses, of a grade of ore above outlined.

/s/ Elgin B. Holt
Elgin B. Holt
Field Engineer

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
FIELD ENGINEERS REPORT

Mine TINTIC, Pb., Zn., Au., Ag.

Date December 8, 1942

District Wallapai

Engineer Earl F. Hastings

Subject: Reconstruction Finance Corporation
Preliminary Development Loan

Docket No.

C-ND-Phx. 104

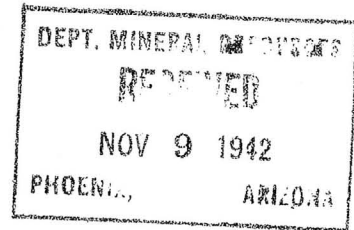
1. Name and address of applicant (correspondent):
Jos. G. O'Brien, correspondent.

Mr. Rae L. Johnson, RFC Mine Loan Division, Washington, D. C. who last operated this property as a partner of Johnson and Witcher is by far the best authority for evaluating this application. As he has definite data upon which to base an opinion, and is available for an opinion, we hesitate to make recommendation.

ARIZONA DEPARTMENT OF MINERAL RESOURCES

Earl F. Hastings
Assistant Director and
Projects Engineer

Kingman, Arizona,
Nov. 6, 1942



To: W. C. Broadgate
From: Elgin B. Holt
Subject: P-56 rating, Tintic Mine, J. G. O'Brien
ERRATA.

Referring to the report I mailed you, 11/1/42, on the Tintic Mine, Chloride, Mr. O'Brien has called to my attention the following error in the table of assays which you will find near the bottom of page #2, of said report, which kindly correct:

The corrected table of said assays reads as follows:

| | |
|---------------|--------------------|
| Lead ----- | 17.1% |
| Copper ----- | 0.45% |
| Zinc ----- | 6.95%--(not 0.65%) |
| Gold ----- | 0.70 ozs. per ton. |
| Silver ----- | 12.3 " " " |
| Iron ----- | 10.40% |
| Insol. ----- | 42.20% |
| Sulphur ----- | 12.60% |

Kindly let me know if you received the said report.

Kindly make this
correction a copy
of my report to Bill.

Elgin B. Holt.

cc - Earl F. Hastings.

| |
|---|
| STANDARD TIME INDICATED |
| RECEIVED AT |
| TELEPHONE YOUR TELEGRAMS TO POSTAL TELEGRAPH |



THIS IS A FULL RATE TELEGRAM, CABLE-GRAM OR RADIOGRAM UNLESS OTHERWISE INDICATED BY SYMBOL IN THE PREAMBLE OR IN THE ADDRESS OF THE MESSAGE. SYMBOLS DESIGNATING SERVICE SELECTED ARE OUTLINED IN THE COMPANY'S TARIFFS ON HAND AT EACH OFFICE AND ON FILE WITH REGULATORY AUTHORITIES.

For

NI.SA223 S.CB370 C.WA334
LD151W 50/49 DL COLLECT=Y WASHINGTON DC 30 409P
ARIZONA DEPARTMENT OF MINERAL RESOURCES=
413 HOME BUILDINGS BLDG (PHOENIX ARIZ)=

OCT 30 PM 4 27

PLEASE HAVE OUR ENGINEERS INVESTIGATE THE ELIGIBILITY OF THE
TINTIN MINE, J. C. ✓ OBRIEN AT CHLORIDE AND THE AINSWORTH MINE
W H WILSON AT PORTAL FOR P-56 SERIAL NUMBERS. IF EVIDENCE
SUPPORTS DESIRABILITY OF THESE MINES HAVING NUMBERS. AIR MAIL
ME NEW APPLICATIONS WITH SUPPORTING DATA IMMEDIATELY OBTAINED=
BILL BROADGATE.

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
FIELD ENGINEERS REPORT

Mine TINTIC

Date November 1, 1942

District Chloride, Mohave County, Arizona

Engineer Elgin B. Holt

Subject: Production Possibility Survey

OWNERS: Hawks & Shafer, Chloride, Arizona.

LESSEE: TINTIC LEASE, a partnership.

ASSOCIATES IN LEASE: Joseph G. O'Brien, Mining Engineer, Manager, Chloride, Arizona; J. Walter Kuttruff, Secretary, 131 King St., Larkspur, Marin Co., California; A. R. Timm, Spokane, Washington; A. H. Featherston, Judge of Circuit Court, Wallace, Idaho. Some of these associates are operating zinc-lead mines in Wallace, Idaho, and in Bonanza, Colorado.

VISIT: On the above date, I visited Mr. O'Brien at his home in Chloride, and he gave me the following information about the Tintic property, including his plans to carry out development work at the same.

VEIN: There is one main vein, from 1.5' to 12' wide, and several intersecting veins.

MINE WORKINGS: Consist of five or six shafts from 30 to 160 feet deep; also drifts winzes, stopes, etc.

PAST PRODUCTION: This property was discovered in 1878, since which time it has produced, per O'Brien, around \$100,000 in lead, silver and gold, from the oxidized zone of mine. Johnson & Wicher, 1933 to 1936, shipped around 14 car loads of ore from the said oxidized zone, averaging \$32.00 per ton in lead, silver and gold.

PLANS OF TINTIC LEASE: Mr. O'Brien proposes, as a first step, to erect a hoist and camp building at property; also another building to be used as a tool house and blacksmith shop. He states that all mining equipment, such as hoist, compressor, tools, etc., is now lined up and will be purchased just as soon as he can secure P-56 priority rating for which he applied some time ago; but which to date has not been granted. He also plans to rehabilitate the head frame, and then after the surface equipment is installed, to dewater the main vertical shaft to the 110-foot level of the mine. Following dewatering, he will catch up certain minor caved areas in the 110-foot level and make the same accessible. This level runs south on vein 83 feet and north 171 feet. Next, he proposes to dewater two winzes on the said level; one being 30 feet deep and the other 35 feet deep, both sunk on slope of vein, which on this level has a dip of 45 degrees.

SULPHIDE ORE ZONE: O'Brien further states that both of the winzes mentioned have penetrated sulphide ore. That during 1939-40 he unwatered the mine and took two samples, one from the collar of the north winze and the other from the collar of the south winze. The first sample assayed:

| | |
|---------------|--------------------------|
| Lead..... | 17.1% |
| Copper..... | 0.45% |
| Zinc..... | 0.95% |
| Iron..... | 10.40% |
| Insol..... | 42.20% |
| Sulphur..... | 12.60% |
| <i>Silver</i> | <i>12.3 ozs. per ton</i> |
| <i>Gold</i> | <i>0.70</i> |

That the other winze sample mentioned assayed:

| | |
|-------------|-----------|
| Lead..... | 34.10% |
| Gold..... | 0.06 ozs. |
| Silver..... | 16.28 " |

That the presence of zinc in this last sample was indicated to be considerable, possibly above 10% in that metal; but no assay was made of the same, due to the fact there was no market, in Chloride, for low grade zinc ore at that time; but quite the contrary the smelters charged a penalty for treating zincy ores.

After the said shaft and winzes have been dewatered, O'Brien plans to deepen both winzes in order to develop the said sulphide ore vein to around 120 feet in depth each and then connect the winzes with a drift on vein. He stated that stoping of sulphide ore could then start on the lower level just mentioned. Also, later on, if good ore is found in the said lower level, he proposes to deepen these winzes with a view to blocking out additional reserves.

CAPITAL AVAILABLE: It is planned to carry out the above initial work, per O'Brien, with private capital which has been promised and will be available just as soon as proper priority rating has been secured.

ORE MARKET: O'Brien stated that once the mine is opened and in production, he plans to ship the mixed lead, zinc, gold and silver ore to Utah to be treated and marketed, either to the U. S. Smelting, Refining & Mining Company, at Midvale, Utah or to the Combined Metals Production Company's plant at Bauer, Utah. That Tintic ores can be treated at either place in such a manner so that payment will be made for all metals in the ore, including zinc. He further states that the partnership which he represents does not plan to erect any mill, or conduct any milling operations at the property, until adequate underground ore supply has been assured, up to at least 50 tons daily. And even in such event, it may not be necessary to build a mill, inasmuch as there are now three idle flotation mills in the Chloride area, and at least one of these no doubt could be rented. Again, Tintic is located only 2 miles from the Tennessee-Schuylkill mine, at which a 150-ton selective flotation plant has been in continuous operation for years; said plant producing both zinc and lead concentrates in considerable quantity.

MEN TO BE EMPLOYED: O'Brien states, also that just as soon as he can secure the said P-56 priority rating, and after the mining equipment mentioned has been installed, he plans to start work immediately thereafter with a crew of 12 to 14 men, divided into three shifts, to begin with, and that later on more men will be employed as needed.

TINTIC MINE

- 3 -

CONCLUSION: From facts herein given, and from my personal knowledge of the Tintic mine, I take pleasure in recommending that the said P-56 rating be granted. As a matter of fact, it seems rather strange that this rating has been held up, inasmuch as R. F. C. has granted a number of loans in the Chloride and adjoining area with which to develop zinc-lead mines. Hence, it would seem when private capital is ready and willing to expend monies in this general area, in the development of zinc and lead mines, that all Federal authorities should be on the alert in extending all the facilities necessary in aiding such useful enterprises.

If the Army and Navy Munitions Board is really interested in knowing what factors are holding back the increased production of strategic metals, I venture to say that the case history of the Tintic Lease, as outlined in this report, should make rather interesting reading by any member of the Board just mentioned.

Elgin B. Holt,
Field Engineer.

M-T-8-
OC

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
OWNERS MINE REPORT

Date

Mine ☒ Tintic Mine

District

Location

Former name ☒ Harold Hawkes &)

Owner ☒ C. F. Shaffer)

Chloride

Address

Operator

Address

President

Gen. Mgr.

Mine Supt.

Mill Supt.

Principal Metals ☒ Au

Men Employed

Production Rate

Mill: Type & Cap.

Power: Amt. & Type

Operations: Present

Operations Planned

Number Claims, Title, etc. 2 claims

Description: Topog. & Geog. Flat country
Vein dip - 30° N. Strike NW-SE
V Shaft cuts vein at 90 ft.

Mine Workings: Amt. & Condition 125 ft. V shaft, fully timbered
Drift 171 ft. N from 100 ft. level - 75 ft. south
30 ft. winze on S. drift
Caved at end - av. \$16.00 along drift. ore is oxidized - av. \$16.00
ore in winze \$30.00
Ore showing in both directions

(over)

Geology & Mineralization

Bronze iron sulphide - main value Au.
Granite walls - porphyry dike, on foot or hanging - mineralized
Quartz gangue - porphyry will mill.

Ore: Positive & Probable, Ore Dumps, Tailings Vein 5 to 7 ft. wide.

600 tons mill ore on dump

\$7 to \$9 value gold.

Mine, Mill Equipment & Flow Sheet Head frame, etc., bucket, track, mill pump

Road Conditions, Route Paved from highway - fine

Water Supply 5,000 gal. per day to keep unwatered

Brief History 1880 discovered - Schrader bulletin
\$100,000 total production

Special Problems, Reports Filed

Remarks

If property for sale: Price, terms and address to negotiate.

\$25,000 - 5 years - 10% royalty

\$150 - minimum monthly guarantee

Signed.....

Use additional sheets if necessary.

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
OWNERS MINE REPORT

Mine *✓ Lute Mine*
District
Former name *Herold Hawkes*
Owner *C. F. Schaffer*
Operator
President
Mine Supt.
Principal Metals *✓ Au -*
Production Rate
Power: Amt. & Type
Operations: Present

Date

Location

Address

Address

Gen. Mgr.

Mill Supt.

Men Employed

Mill: Type & Cap.

Operations Planned

Number Claims, Title, etc.

2 claims

Description: Topog. & Geog.

Flat country

*Vin Dip - 30° N. Stakes NW-SE.
V Shaft cuts vein at 90 ft.*

Mine Workings: Amt. & Condition

125 ft. V shaft. fully timbered

*Drift 170 ft. N from 100 ft. level. 75 ft. South. 30 ft. range on S Drift.
could not find - or 160 ft. long drift. re in overexposed - or 160 ft.
one showing in both directions. new range 30 ft.*

(over)

Geology & Mineralization

Bronze len. Sulfide
Main veins are -
Granite - walls - Porphyry dikes - on foot of hanging - mineralized
Quartz gangue - Porphyry mill mill.

Ore: Positive & Probable, Ore Dumps, Tailings

Vein 5 & 7 ft. wide
600 ton mill on ore dumps
7 to 9% value gold.

Mine, Mill Equipment & Flow Sheet

Had frame etc. Budget, Trade - mine
pump.

Road Conditions, Route

Passed for Highway - Fine -

Water Supply

5000 gal. per day to keep unwatered

Brief History

1880 Discovered. Schaeffer bulletin -
\$100,000 total production

Special Problems, Reports Filed

Remarks

If property for sale: Price, terms and address to negotiate.

\$25,000 - 5 years - 10% Royalty
\$150 - minimum monthly guarantee

Signed.....

Use additional sheets if necessary.

DEPARTMENT OF MINERAL RESOURCES.

News Items

Date 8/1/39 V

Mine ✓TinticLocation 2 1/2 m. W. of ChlorideOwner ✓C.F. Shafer & Harold HawksAddress Chloride, Ariz.Operating Co. One of old prod-Address ucers. Past produc-
tion \$100,000, above 100-ft.Pres. level. Mainly gold-val-Genl. Mgr. ue, av. \$30.00 per ton.Mine Supt. Developed by 125' vert.Mill Supt. shaft & 170' driftPrincipal Metals on vein, N. fromMen Employed shaft. BottomProduction Rate in sulphide ore.Mill, Type & Capacity Owners nowarranging to resumePower, Amt. & Type work.

Signed

E. B. Holt

(Over)

MT-8

Dec. 19, 1939

GOLD - 2 claims unpatented; road excellent, Chloride, granite walls, porphyry dike with mineralized quartz gangue, bronze iron sulphide carries principal gold values, porphyry will mill; vein 5' to 7' wide; 600 tons on dump \$7 to \$9 gold; 125' shaft; 245' drifting; 30' winze on S. drift ore value \$30, winze caved; 75' south drift, average \$16; ample water; for sale \$25,000 in 5 years, 10% royalty with minimum \$150 monthly payments; Mohave County.

MT-8 OR

(C)
Harold Hawkes & C. F. Shaffer
Chloride, Arizona Box 193 ('48)

Tintic

TINTIC

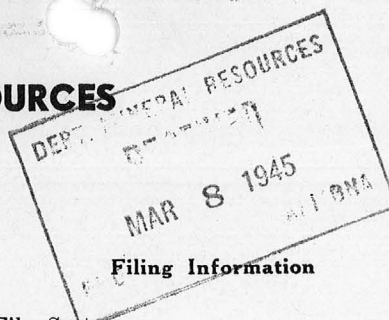
MOHAVE COUNTY

NJN WR 8/9/88: Ed Barge of Colorado reported he has finished a drilling project on the Tintic (file) Mohave County. He reports a low angle structure, probably a listric fault, below which he had an intercept of 30' of 0.35 oz/ton Au. I provided him with information on detachment structures. This interpretation combined with the good intercept will likely prompt him to conduct further drilling.

RH

DEPARTMENT OF MINERAL RESOURCES

REPORT TO OPA ON ACTIVE MINING PROJECT



Date February 16, 1945
 Name of Mine Linitic Mine
 Owner or Operator Harold Hawks
 Address Box 193 Chloride, Ariz.
 Mine Location 4 miles west of Chloride

File System.....

File No.....

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

PRESENT OPERATIONS: (check X)

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

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

Other (specify).....

Will be shipping within 30 days

PRODUCTION: Past and Future.

Tons

Approx. tons last 3 months

not operating

Approx. present rate per 3 months

Anticipated rate next 3 months

105

If in distant future check (X) here

EQUIPMENT OPERATED:

| Type | Quantity or Horse Power | Miles or Hours Per Month | Gallons Required Per Month |
|--------------------------|-------------------------|--------------------------|----------------------------|
| Personal Cars | | <u>924 miles</u> | |
| Light or Service Trucks | <u>NONE</u> | | |
| Ore Hauling Trucks | <u>NONE</u> | | |
| Compressors | <u>Not yet</u> | | |
| Other Mine or Mill Eqpt. | <u>Not yet</u> | | |

PRODUCT PRODUCED OR CONTEMPLATED: Name metals or minerals.

REMARKS:

ARIZONA DEPARTMENT OF MINERAL RESOURCES

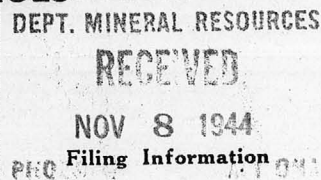
By.....

F.S.

4047 W. 8th
Los Angeles

DEPARTMENT OF MINERAL RESOURCES

REPORT TO OPA ON ACTIVE MINING PROJECT



Date.....November 6, 1944

Name of Mine.....Tintie

Owner or Operator.....E. W. Mitton & Associates

Address.....Chloride, Ariz.

Mine Location.....1.5 miles west of Chloride

File System.....

File No.....

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

PRESENT OPERATIONS: (check X)

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

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

Other (specify).....

PRODUCTION: Past and Future.

Tons

Approx. tons last 3 months.....

Approx. present rate per 3 months.....

Anticipated rate next 3 months.....250 tons

If in distant future check (X) here.....

EQUIPMENT OPERATED:

| Type | Quantity or Horse Power | Miles or Hours Per Month | Gallons Required Per Month |
|--------------------------|-------------------------|--------------------------|----------------------------|
| Personal Cars | 1 | 600 m. | 40 |
| Light or Service Trucks | | | |
| Ore Hauling Trucks | | | |
| Compressors | 1 30-HP comp. | 208 hours | 524 |
| | 10-HP hoist | 208 " | 208 |
| Other Mine or Mill Eqpt. | | Total | 872 |

PRODUCT PRODUCED OR CONTEMPLATED: Name metals or minerals. Lead, zinc & silver

REMARKS: Applicants have started operating the Tintie mine, and will employ around 5 men. Also have an option on the Blackjack mine about 2 miles east of Chloride, on which they expect to start work. Will need about 2616 gallons gasoline for next 3 month.

Request one 550-16 tire.

ARIZONA DEPARTMENT OF MINERAL RESOURCES

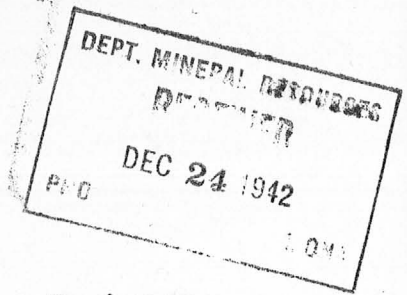
By.....

Elgin B. Holt, Field Engr.

Chloride, Arizona.

Box 153.

Dec. 18, 1942.



Mr. Earl F. Hastings, Assistant Director & Projects Engineer,
Department Of Mineral Resources,
413 Home Building, Phoenix, Arizona.

Dear Mr. Hastings:

In reply to your letter of Dec. 10th regarding the confusion over the P-56 rating and the RFC loan application the following explanation is offered.

The application for a P-56 rating for the Tintic Mine was made by one of the associates of TINTIC LEASE prior to my arrival at the mine and at the time of the application capital, sufficient to carry out their intended program of operations, was subscribed or pledged by the associates of TINTIC LEASE and there was nothing to indicate that this capital would not immediately be available for operations when the rating was received.

Later, while awaiting the rating, circumstances which prevented the fulfilling of one of the pledges arose and it was then decided to seek a RFC loan. One of my associates called on Mr. Sherman, RFC Supervising Engineer, Spokane, Wash. and was advised to apply for a RFC Preliminary Development Loan and was instructed to get in touch with Bill Gohring, RFC Supervising Engineer for Arizona. Shortly after this Mr. W.H. North, one of the TINTIC LEASE associates, wrote to Bill Gohring, who wrote to me referring to Mr. North's letter and asked me what we proposed to do at the Tintic Mine. Following my answer to this letter a set of application forms were forwarded from the Phoenix office of RFC.

Mr. Holt called on us regarding the rating on Nov. 1st. He was assured by us that we had sufficient capital for operations and that all that was holding us up was the lack of a priorities rating. It was sometime later before we learned that one of the pledges could not be fulfilled and the decision to seek a loan was made. It was 20 days after Mr. Holt's visit before the loan application was in the mail.

I sincerely regret the confusion and any embarrassment caused your department by our change in plans and I assure you that we were acting in good faith when Mr. Holt assisted us in getting the rating. The only reason for this change has been explained above.

Trusting the foregoing will answer your questions, I am

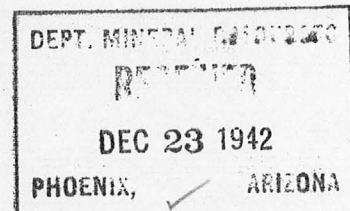
Very truly yours

Jos. G. O'Brien
Jos. G. O'Brien
Manager, TINTIC LEASE

Kingman, Arizona, Dec. 21, 1942.

MEMORANDUM

To: Earl F. Hastings
From: Elgin B. Holt.



Referring to your letter of December 10, 1942, to Mr. Joseph G. O'Brien, Tintic Lease, Chloride, Arizona, a copy of which you mailed to me, I note you say that the P-56 serial number rating was granted to Mr. O'Brien on the basis that it alone was responsible for delay in his operations; that later RFC forwarded to our Phoenix office O'Brien's application for a Preliminary Development Loan, etc.

On my arrival in Kingman last Saturday, December 19th, Mr. O'Brien and his associate, Mr. A. R. Timm, called on me, and gave me the following information about the matter you mention:

That at the time I called on Mr. O'Brien at Chloride, just before November 1, he then stated he had ample funds in the Kingman bank, or pledged to cover his proposed operations; so O'Brien stated he then had no reasons to believe otherwise than that all of the funds would be available for their use when the said priority rating was granted. That, however, shortly before the actual receipt of the said rating, one of O'Brien's prospective associates, who had pledged a portion of the money he had counted on, became exorbitant in his demands and when these were not accorded to the said prospective associate withdrew. That this left O'Brien and his other associates in a position where they had to hunt for other private funds, or seek a Government loan. That the latter action they were advised to take both by myself, at a Council meeting in Chloride, and mainly by one of O'Brien's associates, who took the matter up with Mr. Sherman, Supervising Engineer for RFC, of Spokane, Washington. That Mr. Sherman then advised O'Brien's associate to apply to Mr. Gohring, of Phoenix, for a \$5,000 Preliminary Development Loan, which matter was then attended to by Mr. O'Brien, who has assured me that he had no intention of applying for such a loan at the time he made application for the said rating.

I can verify this fact by stating: at the time I first called on Mr. O'Brien, just prior to November 1st, I then asked him if he desired to apply for an RFC loan. He then answered that such was not his intention as he had all necessary funds pledged, and a part of these funds were then deposited in the Kingman bank.

cc - J. G. O'Brien

Elgin B. Holt

Elgin B. Holt,
Field Engineer.

To: Earl F. Hastings, Asst. Director,
Dept. of Mineral Resources,
413 Home Builders Bldg.,
Phoenix, Arizona.

December 10, 1942

Mr. Joseph G. O'Brien
Tintic Lease
Chloride, Arizona

Dear Mr. O'Brien:

Subject: Tintic Mine

On October 30 we received a request from Washington to investigate your eligibility for a P-56 serial number. Mr. Elgin B. Holt called on you, submitted his report direct to Washington on November 1, and your serial number was granted on November 13.

This P-56 rating was granted on the basis that it and it alone was responsible for delay in your operation. You have a copy of the Holt report and will note, under paragraphs headed "Capital Available", "Men to be Employed" and "Conclusion", that emphasis is placed on the fact that funds were available for immediate use as soon as the P-56 rating was granted.

We are somewhat amazed that the Reconstruction Finance Corporation Mine Loan Division has forwarded to us your application for a Preliminary Development loan. This certainly indicates to us that whether or not capital is available for this operation that it is not to be so used, at least in the preliminary work.

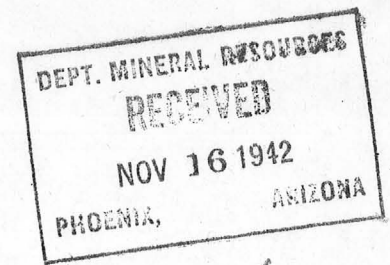
In view of Mr. Holt's report this certainly places the Department in an embarrassing position. Our ability to help Arizona mine operators in Washington becomes endangered any time when we forward information which later turns out to be incorrect. Will you please advise as to the conditions affecting this change in your plans of operations. We are holding your docket in abeyance pending such information.

Very truly yours

Earl F. Hastings
Assistant Director and
Projects Engineer.

EFH:BA

Washington, D.C.
Nov. 14, 1942



SUBJECT: Mine Priorities
P-56 serials
✓ Tintic Mine

For your information the Tintic Mine was issued a serial number
November 13th.

The number is 48-228.

Bill Broadgate .

November 1, 1942

P. O. Box 188,
Kingman, Ariz.

Subject: P-56 Rating for the
Tintic mine, Chloride.

Mr. W. C. Broadgate,
Hotel Harrington,
11th and E Sts.,
Washington, D. C.

Dear Bill:

Sam called me on the phone this morning and asked me to run up to Chloride for the purpose of interviewing Mr. J. G. O'Brien, who has been trying to get a P-56 priority rating for the Tintic mine near Chloride. I understood Sam to say you are helping the lessees of this property to secure the rating mentioned.

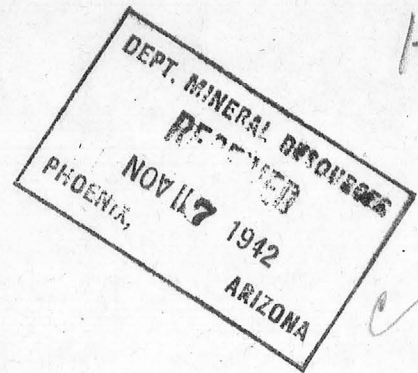
Acting on Sam's request, I drove up to Chloride and had an interview with Mr. O'Brien. In short, attached hereto is my report concerning the said matter.

Trusting that all goes well with you and with kind personal regards, I am

Very sincerely yours,

Elgin B. Holt,
Field Engineer.

Washington, D.C.
Nov. 4, 1942



SUBJECT: Priorities,
P-56
Mine Coordinator,
✓ Tintic and Ainsworth

Thank you for getting the material on these mines so promptly.
I took it over to the WPB this morning for them to study.

I note that these properties do not seem to be in actual operation.

Bill Broadgate

C

October 31, 1942

MEMORANDUM

TO: Elgin B. Holt

FROM: Earl F. Hastings

We have a telegram from Bill Broadgate asking for information as to the eligibility of the Tintin Mine, J. C. O'Brien, Chloride.

We assume a typographical error in the name of the mine as we have no record of any Tintin property. Possibly he meant the Tintic which is just west of the Arizona Magna Mill.

Apparantly O'Brien has made application for a P-56 serial number. If so, please ask him to fill in a new application which you may send to us together with your impression as to his eligibility.

October 31, 1942

MEMORANDUM

TO: W. C. Broadgate
FROM: Earl F. Hastings

Your telegram of October 30 has been received. We have no record of any Tintin Mine and am wondering if you did not mean the Tintic.

We have forwarded the nature of your request to Elgin B. Holt and asked that he check for a possible Tintin and for Mr. O'Brien, we will forward a new P-56 application together with Holt's report immediately upon receipt.

As to the Ainsworth property, we approved an RFC Class C loan September 30 and were informed that this loan was granted October 16.

Inasmuch as the recipient of Class C funds cannot operate entirely under the P-100, they should be eligible for a P-56; otherwise, there would be little object in granting them a loan.

In order to support your possible argument in this matter, we are asking Mr. Ballam to check on progress at the Ainsworth.

I am sending you a copy of Mr. Coupal's recommendation in granting the loan and a memorandum made by George Ballam in July.

DEPARTMENT OF MINERAL RESOURCES
State of Arizona
FIELD ENGINEERS REPORT

MINE: TINTIC DATE: July 12, 1943
DISTRICT: Wallapai, Mohave Co, Ariz. ENGINEER: Elgin B. Holt
Subject: B R I E F R E P O R T

OWNERS: Hawks & Shafer, Chloride, Arizona

METALS: Zinc, lead, gold and silver; some copper

LESSEE: Tintic Lease, a partnership.

ASSOCIATES IN LEASE: Joseph G. O'Brien, Mining Engineer and former Superintendent, Chloride, Arizona; J. Walter Kutruff, Secretary, 131 King St., Larkspur, Marin County, Calif; A. R. Timm, Spokane, Washington; A. H. Featherston, Judge of Circuit Court, Wallace, Idaho. Present Superintendent is: J. D. Shuck, Box 106 Chloride, Arizona.

NOTE: On June 30, Mr. Joseph G. O'Brien, who unwatered this property some years ago and examined the same in detail at that time, gave me the following information:

VEIN: There is one main vein from 1.5' to 12' wide, and several intersecting veins. Mine workings consist of five or six shafts from 30 to 160 feet deep. Main vertical two compartment shaft is 120' deep with a cross-cut 20' in length to vein at 120' level. On said level, a drift was run south on vein 74 feet; and another drift was run north on vein 172 feet. There is a winze in south drift 35 feet deep sunk on slope of vein; and another winze in north drift sunk on vein to a depth of 35 feet also. Ore vein at collar of south winze is 26 inches wide, of heavy sulphide ore assaying: Zinc 34%, lead 10%, gold .06 oz., and silver 10 ounces per ton. In north winze, ore vein at collar thereof is 48 inches wide, of sulphide ore, assaying: Zinc 8% to 10%; 16% lead; gold 0.75 oz.; and silver 10 ounces per ton.

PAST PRODUCTION: Johnson & Wicher around 1934-5-6, shipped 14 car loads of ore from above and below the 120-foot level, averaging from \$29.00 to \$32.00 in gold, silver and lead; zinc content being penalized.

POSSIBLE TONNAGE: O'Brien stated that the two winzes mentioned are 95 feet apart, each winze being 35 feet deep, as stated. That if these winzes could be sunk to 100 feet in depth each, and then connected at the bottoms thereof, this would give a block of ore 100 feet deep by 95 feet long by 2 feet in thickness, equalling about 1,900 tons; and that one could count on around another 1,000 tons above the 120-foot leve; making about 2,900 tons of possible ore, assaying from 8% to 34% zinc and from 10% to 16% lead, with goodly gold and silver values also.

In short, O'Brien stated that if mine is further developed and put in order, and such work is progressing at the present time, he is of the firm opinion and belief this property could easily furnish 30 tons daily, as work progresses, of a grade of ore above outlined.

/s/ Elgin B. Holt
Elgin B. Holt
Field Engineer

✓

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
FIELD ENGINEERS REPORT

Mine TINTIC, Pb., Zn., Au., Ag.

Date December 8, 1942

District Wallapai

Engineer Earl F. Hastings

Subject: Reconstruction Finance Corporation
Preliminary Development Loan

C

Docket No.

C-ND-Phx. 104

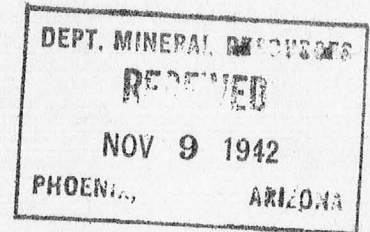
1. Name and address of applicant (correspondent):
Jos. G. O'Brien, correspondent.

Mr. Rae L. Johnson, RFC Mine Loan Division, Washington, D. C. who last operated this property as a partner of Johnson and Witcher is by far the best authority for evaluating this application. As he has definite data upon which to base an opinion, and is available for an opinion, we hesitate to make recommendation.

ARIZONA DEPARTMENT OF MINERAL RESOURCES

Earl F. Hastings
Assistant Director and
Projects Engineer

Kingman, Arizona,
Nov. 6, 1942



To: W. C. Broadgate
From: Elgin B. Holt
Subject: P-56 rating, Tintic Mine, J. G. O'Brien
ERRATA.

Referring to the report I mailed you, 11/1/42, on the Tintic Mine, Chloride, Mr. O'Brien has called to my attention the following error in the table of assays which you will find near the bottom of page #2, of said report, which kindly correct:

The corrected table of said assays reads as follows:

| | |
|---------------|--------------------|
| Lead ----- | 17.1% |
| Copper ----- | 0.45% |
| Zinc ----- | 6.95%--(not 0.65%) |
| Gold ----- | 0.70 ozs. per ton. |
| Silver ----- | 12.3 " " " |
| Iron ----- | 10.40% |
| Insol. ----- | 42.20% |
| Sulphur ----- | 12.60% |

Kindly let me know if you received the said report.

Kindly make this
correction and copy
of my report to Bill.

Elgin B. Holt.

cc - Earl F. Hastings.

| |
|---|
| STANDARD TIME INDICATED |
| RECEIVED AT |
| TELEPHONE YOUR TELEGRAMS TO POSTAL TELEGRAPH |



THIS IS A FULL RATE TELEGRAM, CABLE-GRAM OR RADIOGRAM UNLESS OTHERWISE INDICATED BY SYMBOL IN THE PREAMBLE OR IN THE ADDRESS OF THE MESSAGE. SYMBOLS DESIGNATING SERVICE SELECTED ARE OUTLINED IN THE COMPANY'S TARIFFS ON HAND AT EACH OFFICE AND ON FILE WITH REGULATORY AUTHORITIES.

For:

NI.SA223 S.CB370 C.WA334

OCT 30 PM 4 27

LD151W 50/49 DL COLLECT=Y WASHINGTON DC 30 409P
ARIZONA DEPARTMENT OF MINERAL RESOURCES=
413 HOME BUILDINGS BLDG (PHOENIX ARIZ)=

PLEASE HAVE OUR ENGINEERS INVESTIGATE THE ELIGIBILITY OF THE
TINTIN MINE, J. C. OBRIEN AT CHLORIDE AND THE AINSWORTH MINE
W H WILSON AT PORTAL FOR P-56 SERIAL NUMBERS. IF EVIDENCE
SUPPORTS DESIRABILITY OF THESE MINES HAVING NUMBERS. AIR MAIL
ME NEW APPLICATIONS WITH SUPPORTING DATA IMMEDIATELY OBTAINED=
BILL BROADGATE.

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
FIELD ENGINEERS REPORT

Mine TINTIC

Date November 1, 1942

District Chloride, Mohave County, Arizona

Engineer Elgin B. Holt

Subject: Production Possibility Survey

OWNERS: Hawks & Shafer, Chloride, Arizona.

LESSEE: TINTIC LEASE, a partnership.

ASSOCIATES IN LEASE: Joseph G. O'Brien, Mining Engineer, Manager, Chloride, Arizona; J. Walter Kuttruff, Secretary, 131 King St., Larkspur, Marin Co., California; A. R. Timm, Spokane, Washington; A. H. Featherston, Judge of Circuit Court, Wallace, Idaho. Some of these associates are operating zinc-lead mines in Wallace, Idaho, and in Bonanza, Colorado.

VISIT: On the above date, I visited Mr. O'Brien at his home in Chloride, and he gave me the following information about the Tintic property, including his plans to carry out development work at the same.

VEIN: There is one main vein, from 1.5' to 12' wide, and several intersecting veins.

MINE WORKINGS: Consist of five or six shafts from 30 to 160 feet deep; also drifts winzes, stopes, etc.

PAST PRODUCTION: This property was discovered in 1878, since which time it has produced, per O'Brien, around \$100,000 in lead, silver and gold, from the oxidized zone of mine. Johnson & Wicher, 1933 to 1936, shipped around 14 car loads of ore from the said oxidized zone, averaging \$32.00 per ton in lead, silver and gold.

PLANS OF TINTIC LEASE: Mr. O'Brien proposes, as a first step, to erect a hoist and camp building at property; also another building to be used as a tool house and blacksmith shop. He states that all mining equipment, such as hoist, compressor, tools, etc., is now lined up and will be purchased just as soon as he can secure P-56 priority rating for which he applied some time ago; but which to date has not been granted. He also plans to rehabilitate the head frame, and then after the surface equipment is installed, to dewater the main vertical shaft to the 110-foot level of the mine. Following dewatering, he will catch up certain minor caved areas in the 110-foot level and make the same accessible. This level runs south on vein 83 feet and north 171 feet. Next, he proposes to dewater two winzes on the said level; one being 30 feet deep and the other 35 feet deep, both sunk on slope of vein, which on this level has a dip of 45 degrees.

SULPHIDE ORE ZONE: O'Brien further states that both of the winzes mentioned have penetrated sulphide ore. That during 1939-40 he unwatered the mine and took two samples, one from the collar of the north winze and the other from the collar of the south winze. The first sample assayed:

| | |
|---------------|--------------------------|
| Lead..... | 17.1% |
| Copper..... | 0.45% |
| Zinc..... | 0.95% |
| Iron..... | 10.40% |
| Insol..... | 42.20% |
| Sulphur..... | 12.60% |
| <i>Silver</i> | <i>12.3 ggs. per ton</i> |
| <i>Gold</i> | <i>0.70</i> |

That the other winze sample mentioned assayed:

| | |
|-------------|-----------|
| Lead..... | 34.10% |
| Gold..... | 0.06 ozs. |
| Silver..... | 16.28 " |

That the presence of zinc in this last sample was indicated to be considerable, possibly above 10% in that metal; but no assay was made of the same, due to the fact there was no market, in Chloride, for low grade zinc ore at that time; but quite the contrary the smelters charged a penalty for treating zincy ores.

After the said shaft and winzes have been dewatered, O'Brien plans to deepen both winzes in order to develop the said sulphide ore vein to around 120 feet in depth each and then connect the winzes with a drift on vein. He stated that stoping of sulphide ore could then start on the lower level just mentioned. Also, later on, if good ore is found in the said lower level, he proposes to deepen these winzes with a view to blocking out additional reserves.

CAPITAL AVAILABLE: It is planned to carry out the above initial work, per O'Brien, with private capital which has been promised and will be available just as soon as proper priority rating has been secured.

ORE MARKET: O'Brien stated that once the mine is opened and in production, he plans to ship the mixed lead, zinc, gold and silver ore to Utah to be treated and marketed, either to the U. S. Smelting, Refining & Mining Company, at Midvale, Utah or to the Combined Metals Production Company's plant at Bauer, Utah. That Tintic ores can be treated at either place in such a manner so that payment will be made for all metals in the ore, including zinc. He further states that the partnership which he represents does not plan to erect any mill, or conduct any milling operations at the property, until adequate underground ore supply has been assured, up to at least 50 tons daily. And even in such event, it may not be necessary to build a mill, inasmuch as there are now three idle flotation mills in the Chloride area, and at least one of these no doubt could be rented. Again, Tintic is located only 2 miles from the Tennessee-Schuylkill mine, at which a 150-ton selective flotation plant has been in continuous operation for years; said plant producing both zinc and lead concentrates in considerable quantity.

MEN TO BE EMPLOYED: O'Brien states, also that just as soon as he can secure the said P-56 priority rating, and after the mining equipment mentioned has been installed, he plans to start work immediately thereafter with a crew of 12 to 14 men, divided into three shifts, to begin with, and that later on more men will be employed as needed.

TINTIC MINE

- 3 -

CONCLUSION: From facts herein given, and from my personal knowledge of the Tintic mine, I take pleasure in recommending that the said P-56 rating be granted. As a matter of fact, it seems rather strange that this rating has been held up, inasmuch as R. F. C. has granted a number of loans in the Chloride and adjoining area with which to develop zinc-lead mines. Hence, it would seem when private capital is ready and willing to expend monies in this general area, in the development of zinc and lead mines, that all Federal authorities should be on the alert in extending all the facilities necessary in aiding such useful enterprises.

If the Army and Navy Munitions Board is really interested in knowing what factors are holding back the increased production of strategic metals, I venture to say that the case history of the Tintic Lease, as outlined in this report, should make rather interesting reading by any member of the Board just mentioned.

Elgin B. Holt,
Field Engineer.

TINTIC

MOHAVE COUNTY

NJN WR 8/9/88: Ed Barge of Colorado reported he has finished a drilling project on the Tintic (file) Mohave County. He reports a low angle structure, probably a listric fault, below which he had an intercept of 30' of 0.35 oz/ton Au. I provided him with information on detachment structures. This interpretation combined with the good intercept will likely prompt him to conduct further drilling.

RH

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
OWNERS MINE REPORT

Mine *Intec mine.*
District
Former name *Harold Hawkes*
Owner *C. F. Schaffer*
Operator
President
Mine Supt.
Principal Metals *au -*
Production Rate
Power: Amt. & Type
Operations: Present

Date

Location

Address

Address

Gen. Mgr.

Mill Supt.

Men Employed

Mill: Type & Cap.

Operations Planned

Number Claims, Title, etc.

2 claims

Description: Topog. & Geog.

Flat country

Vein Dip - 30° N. Strike NW-SE.

V Shaft cuts vein at 90 ft.

Mine Workings: Amt. & Condition

125 ft. V shaft. fully timbered

Drift 171 ft. N from 100 ft. level. 75 ft. South. 30 ft. mine on S Drift.
Condition - ar. 1/6" along drift.
one showing in both directions.

(over)

Geology & Mineralization

Bernice Lem. Buffham. 26

Main value - Cu -

Granite - walls - Porphyry dike - on foot of hanging - mineralized
Quartz gangue - Porphyry mill mill.

Ore: Positive & Probable, Ore Dumps, Tailings

Vein 5 to 7 ft. wide

600 tons mill ore in dump

7 to 9% value gold.

Mine, Mill Equipment & Flow Sheet

Lead frame etc. Bucket, Hand - vein

Grump -

Road Conditions, Route

Paradise Highway - Fine -

Water Supply

5000 gal. per day to keep unmineralized

Brief History

1880 Discovered. Delisadea bulletin -

\$100,000 total production

Special Problems, Reports Filed

Remarks

If property for sale: Price, terms and address to negotiate.

\$25,000 - 5 years - 10% Royalty

\$150 - minimum monthly guarantee

Signed.....

Use additional sheets if necessary.

M-T-8-
OC

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
OWNERS MINE REPORT

Date

Mine ✓ Tintic Mine

District

Location

Former name ✓ Harold Hawkes &)

Owner ✓ C. F. Shaffer)

Chloride

Address

Operator

Address

President

Gen. Mgr.

Mine Supt.

Mill Supt.

Principal Metals ✓ Au

Men Employed

Production Rate

Mill: Type & Cap.

Power: Amt. & Type

Operations: Present

Operations Planned

Number Claims, Title, etc. 2 claims

Description: Topog. & Geog. Flat country

Vein dip - 30° N. Strike NW-SE

V Shaft cuts vein at 90 ft.

Mine Workings: Amt. & Condition 125 ft. V shaft, fully timbered

Drift 171 ft. N from 100 ft. level - 75 ft. south

30 ft. winze on S. drift

Caved at end - av. \$16.00 along drift. ore is oxidized - av. \$16.00

ore in winze \$30.00

Ore showing in both directions

(over)

Geology & Mineralization

Bronze iron sulphide - main value Au.
Granite walls - porphyry dike, on foot or hanging - mineralized
Quartz gangue - porphyry will mill.

Ore: Positive & Probable, Ore Dumps, Tailings Vein 5 to 7 ft. wide.
600 tons mill ore on dump
\$7 to \$9 value gold.

Mine, Mill Equipment & Flow Sheet Head frame, etc., bucket, track, mill pump

Road Conditions, Route Paved from highway - fine

Water Supply 5,000 gal. per day to keep unwatered

Brief History 1880 discovered - Schrader bulletin
\$100,000 total production

Special Problems, Reports Filed

Remarks

If property for sale: Price, terms and address to negotiate.

\$25,000 - 5 years - 10% royalty
\$150 - minimum monthly guarantee

Signed.....

Use additional sheets if necessary.

DEPARTMENT OF MINERAL RESOURCES, 1939

News Items

Date 8/1/39 V

Mine VTinticLocation 2 1/2 m. W. of ChlorideOwner C.F. Shafer & Harold HawksAddress Chloride, Ariz.Operating Co. One of old prod-Address ucers. Past produc-
tion \$100,000, above 100-ft.Pres. level. Mainly gold-val-Genl. Mgr. ue, av. \$30.00 per ton.Mine Supt. Developed by 125' vert.Mill Supt. shaft & 170' driftPrincipal Metals on vein, N. fromMen Employed shaft. BottomProduction Rate in sulphide ore.Mill, Type & Capacity Owners nowarranging to resumePower, Amt. & Type work.

Signed

E. B. Holt

(Over)

(C)
Harold Hawkes & C. F. Shaffer
Chloride, Arizona Box 193 ('48)

Tintic

MT-8 ✓

Dec. 19, 1939

GOLD - 2 claims unpatented; road excellent, Chloride, granite walls, porphyry dike with mineralized quartz gangue, brexide iron sulphide carries principal gold values, porphyry mill; vein 5' to 7' wide; 600 tons on dump \$7 to \$9 gold; 125' shaft; 245' drifting; 30' winze on S. drift ore value \$30, winze caved; 75' south drift, average \$16; ample water; for sale \$25,000 in 5 years, 10% royalty with minimum \$150 monthly payments; Mohave County .

MT-8 OR