



CONTACT INFORMATION

Mining Records Curator
Arizona Geological Survey
1520 West Adams St.
Phoenix, AZ 85007
602-771-1601
<http://www.azgs.az.gov>
inquiries@azgs.az.gov

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08/01/88

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES FILE DATA

PRIMARY NAME: ESMERALDA

ALTERNATE NAMES:

MOHAVE COUNTY MILS NUMBER: 100C

LOCATION: TOWNSHIP 22 N RANGE 18 W SECTION 12 QUARTER SE
LATITUDE: N 35DEG 18MIN 18SEC LONGITUDE: W 114DEG 09MIN 13SEC
TOPO MAP NAME: CERBAT - 7.5 MIN

CURRENT STATUS: PAST PRODUCER

COMMODITY:

GOLD	LODE
SILVER	SULFIDE
COPPER	SULFIDE
IRON	SULFIDE

BIBLIOGRAPHY:

ADMMR MOHAVE CUSTOM MILL PROJECT
ADMMR MOHAVE CARD FILE
WILSON, E.D. "AZ LODE GOLD MINES & MINING"
AZBM BULL 137, P. 114, 1967
ELSING, M.J. "AZ METAL PRODUCTION" AZBM BULL
140, P. 95, 1936
AZ. MNG JNL, AUG. 1920, P. 13
ADMMR ESMERALDA FILE
SCHRADER, F.C. "MIN. DEPTS OF CRBT RNGE, BLCK
MTNS, GRND WSH CLFS,AZ" USGS BULL 397, P. 97

ESMERALDA MINE.

The Esmeralda mine is located in low, gently rolling foothills about a mile west-northwest of Cerbat, at an elevation of about 3,750 feet. It is owned by the Ark and San Antonio Mining and Milling Company, of St. Louis. It is developed principally by a 200-foot shaft and two levels containing about 250 feet of drift, with some dipping near the surface. The 110-foot level extends 90 feet south and 30 feet north of the shaft. At the time of visit the shaft contained water. The principal equipment is a 10-horsepower steam engine.

The production is reported to be \$90,000.

The country rock is the pre-Cambrian complex, with schistose structure trending about N. 35° W. The rock is intruded near the mine on the northeast by a fine-grained granite porphyry dike, several hundred feet in width.

The deposit is a fissure vein, which strikes N. 35° W., parallel with the schistosity in the country rock, and dips about 75° SW. The vein is from 4 to 5 feet in width. Its gangue consists mainly of quartz and crushed and more or less altered country rock. Oxidation extends to the depth of 90 feet below the surface, below which the ore consists of sulphides and contains chiefly pyrite and chalcopyrite, with gold and silver. A carload of the concentrates that was shipped is reported to have averaged 13.42 ounces of gold and 40 ounces of silver to the ton. The ore usually shows a crude banding about parallel with the vein.

CERBAT MINE.

The Cerbat mine is about a mile northeast of Cerbat, and the Golden Gem mine, in the foothills, on a side gulch of Cerbat Wash and near the top of the ridge separating it from Long Gulch on the north, at an elevation of about 4,600 feet. This mine is one of the early discoveries. Two operators were killed in it by the Indians in pioneer days. It was opened in 1869 and was worked by a whim in 1871. About 1880 a large mill was installed in the gulch below the mine, but operations have now been suspended for some time. The mine is owned by the Cerbat Mining and Milling Company, of Minneapolis. It is credited with a production of about \$300,000.

The mine is developed principally by a 180-foot shaft, drifts, and adits. The principal surface equipment is the large mill above mentioned.

The deposit forms a fissure vein 4 to 10 feet wide, contained in the pre-Cambrian complex. The vein strikes north-northwest, with bold outcroppings locally rising 8 or 10 feet above the surface. The gangue is mostly quartz, with some crushed and recemented rock. The ore

Cosnerella

mine

is located in

Sec 12-T22N

R 18W.

(copy)

Dina he says just this

in the Cosnerella mine

File

1976

ESMERALDA MINE (file)
Ark Mine (card)
San Antonio Mine (card)

Mohave County

T22n R18w Sec 12 _____

CJH WR 12/12/80: Visitor: Mr. I.W. McManaman, P.O. Box 1166, Indio, California 92202, phone (714) 328-3070. Hopes to lease the Ark and San Antonio Mines near Duval's Mineral Park Mine north of Kingman. Is interested in processes for the recovery of Ag from Mn minerals. Gave him Mr. Robert P. Peden's name and address.

CJH WR 5/29/81: George Potter, Consultant, 40 So. Calcite, Tucson, Az 85705, called. Gave him mine file data on the Esmeralda Mine, Wallapai Mining District.

NJN Mine Report 4/14/83 PAC Mine & Millsite (file): Dump material from the Tennessee-Schuylkill, Payroll, Keystone and Ark Mines is being crushed and screened at the Tennessee-Schuylkill, dump site. It is then trucked to the PAC Millsite where it is ground, ^{classified} crushed by a cyclone, jigged, tabled and floated, producing various sulfide concentrates containing galena, sphalerite, arsenopyrite, pyrite, silver and gold. Heads are averaging .025 oz Au/ton. Most gold values are being caught in the jigs with the table and float cells making lead and zinc sulfide concentrate. Lee Mining Corporation, P.O. Box 3849, Kingman, Arizona 86401 is the contractor for the current owners, Mountain States Resources, Lakewood, Colorado.

Kingman, Mohave Co., Arizona
January 20th, 1896

ERNST GAIER, ESQ.,

President Ark and San Antonio Mining and Milling Co.
ST. LOUIS, MO.

DEAR SIR: As per your request of the 5th inst., I herewith submit a concise report, describing not only the present workings of the "Ark", "San Antonio" and "Esmeralda" mines, but also outlining in detail the work which, in my judgment, should be done to work these properties to the best advantage in the future.

"Ark" is developed by shaft and drift as follows: Main shaft, 245 feet deep; 60 foot level north, 234 feet long; 60-foot level south, 115 feet long; 110-foot level north, 264 feet long; 110-foot level south, 192 feet long; 210-foot level north, 322 feet long; 210-foot level south, 28 feet long. A winze 50 feet deep connects 60-foot level with 110-foot level, and another winze 100 feet deep is sunk from the 110 to 210-foot level. The ore in face of 60-foot level north is considerably mixed with gangue, owing, no doubt, to the fact that immediately above this point is a deep wash. In face of 110-foot level north, the ore streak, although not very large, looks well. Face of 210-foot level north shows the vein, well-defined, about five feet between walls, with a compact ore streak on the footwall.

The concentrates, of which I sent you the returns from time to time during the months of August, September, October and November, were mostly taken from ores out of the stope between 110 and 210-foot levels. As you well know, from my former letters, the ore-chute on which we are working is pitching north from the very top of the main shaft, this shaft having evidently been started on the extreme south end of the apex of this ore-chute. Should we sink the shaft another 100 feet and then drift off north to get under our ore body, we would have to go, approximately, 300 feet to reach the ore. This 300 feet of drift would, of course, be dead or unproductive work, besides increasing the cost of handling our ores considerably. As, under any circumstances, it would be necessary to push ahead 110 and 210-foot levels north, I would advise the making of a new working shaft right in the ore-chute. In my opinion the cheapest and most practical way of doing this would be, first, drive 210-foot level in 100 feet more, making it 422 feet north of the present shaft; drive 110-foot level in 159 feet to bring the face of it over end of 210-foot level, and then raise the new working shaft from the face of 210-foot level through to the surface a distance of 224 feet. Of course, after getting up 15 or 20 feet from the roof of the 210-foot level in the raise, we would have to force air up, but on reaching the 110-foot level, which would have been run in, in the meantime the 159 feet as above mentioned, we would get a supply of air again, obviating, for a time at least, the expense of forcing air down. As soon as the shaft is through to the surface we would then carry the shaft down below the level of the 210-foot as far as the water would permit, and then move the pump into this new shaft.

The expediency of doing this work simultaneous is obvious, from the fact that the outlay for top work is no greater if we crowd all the men possible below than it would be if we had only three or four men working in the mine. In other words, we need, in any case, two engineers, two bucket tenders and a blacksmith on top, at an expense of \$18.00 a day. We have to pump, and consequently keep up steam day and night, which will consume, approximately, \$17.00 worth of fuel, making about \$35.00 in all; so that the more we can accomplish in the mine in a

given twenty-four hours, the cheaper the work comparatively is. Of course, this work must be limited to the capacity of the hoist, but as we have an A No. 1 double cylinder steam hoist and a large new fifty-horse-power boiler, all in first-class condition, we are not likely to have trouble on account of lack of hoisting capacity. The hoist, as soon as the proposed new shaft is completed, would be removed to the top of this shaft. It would NOT, however, necessitate the removal of the other buildings, to-wit: the office building, the assay office, the boarding house and sleeping house for the men, as these would be just as convenient to the location of the proposed new shaft as they are now. As you know, we have now a track of T rails from the collar of the shaft to the rockbreaker floor of the mill, 230 feet long, over which the ore is pushed in cars from the mine to the mill. The distance from the mill to the new shaft would be somewhat more, but this slight difference in distance would not add anything to the cost of handling the ore.

By the way, as you also asked in your last letter to let you know what condition the mill and mill machinery is in, let me state right here, that with the exception of some little belting, which needs replacing, everything is in tip-top shape. The thirty-five horse-power gasoline engine (made by Weber Bros., in Kansas City, Mo.) is as good as new and does excellent work, and although its first cost, put in place, about \$2,400, seemed rather high, it is fully worth it. Rockbreaker, self-feeder, pulverizer, sizers, amalgamating plate, concentrating tables and slimer are all in first-class working order; in fact, the mill is worth today the \$12,000, which I think was about the cost of erecting it.

Speaking about proposed work, I think that I wrote to you before about a streak of very good ore going into the hanging wall from the winze, just below the 110-foot level. I would suggest to follow this streak.

"San Antonio" is opened by a shaft 140 feet deep, and short levels run off both ways from shaft at a depth of 100 feet. The ore, although carrying some gold, is more a silver-bearing ore, so that, owing to the present low price of silver, I would not advise the working of it at present. Moreover, the Antonio shaft is only about 350 feet west of "Ark" main shaft, the lodes apparently converging as they run north. In case the Company should conclude to work it, it would be best to connect with it from the lower workings of the "Ark"; this would drain all the water from it into the "Ark" shaft, obviating the necessity of two pump shafts, and, in fact, two hoists. This naturally would be a great saving, especially in a country where wages and fuel are high.

"Esmeralda" is opened by a shaft 142 feet deep and two drifts driven at a depth of 100 feet, about 85 feet each way. The vein shows in all the workings. It is an ore carrying gold and some copper, and I would advise the company to go to work on this claim without any delay. The small steam hoist now on the San Antonio could be put up on this mine, and would answer all purposes for some time to come. The levels now driven in could be timbered overhead, a stope raised, and we would then be ready to take out some ore. Although this claim is distant about 4 miles from the Ark mine, and from the mill, there is a good wagon road connecting the two; in fact, it is on the road from the mill to Kinkman (a distance of 18 miles) a town on the Atlantic & Pacific Railroad, the county seat of Mohave County, and the supply depot for the outlying mines. The work as above outlined once accomplished, it will not be long before the Company would be richly reimbursed for its outlay. Should you and the Board of Directors wish it, I will be pleased to furnish estimates for said work.

Respectfully yours,
O. F. KUENCER,
Superintendent

Upon your special request I also went to the Esmeralda Mine to investigate this property.

The Esmeralda is a full mining claim, and lies about 3 miles west of the Ark. The mine has two shafts. The main shaft is about 130 feet deep and has at 100 ft. a drift running north. I could go down 95 ft. only as the rest of the workings were filled with water. The vein is well exposed in the shaft, dipping west about 70° and is well defined between walls about 4 ft. thick. It is doubtless a true fissure vein. I took two samples, one of the vein about 95 feet deep and one on the dump. The former assays 1.50 oz. gold and 5.70 oz. silver = \$34.59 and the latter 0.40 oz. gold and 7.60 oz. silver = \$13.04.

By all appearances it is a mine to be taken well in consideration.

In conclusion I would like to state that your Company owns a very valuable property, which will prove by careful and conservative operation and management a good dividend paying investment.

Respectfully yours,

/s/ J. H. Werlitz

Chloride, Arizona
August 10, 1938

Carl G. Krook
Powers Building
Kingman, Arizona

Dear Sir:

I have received your letter of the 6th.

We drifted 40 ft. south and 45 ft. north on the
45 foot level. We have one shipment about 35 ton of 20 dollar
rock. We will ship it to producers mine Saturday. In the
meantime we dewatered the shaft to 100 and 20 foot level.
So far it looks fairly encouraging.

We will sample this ground and if sufficient value
we will start mining on this level right away.

You will hear from us again after we ship the car.

Yours Truly

Joe Hahn & Co.

August 29, 1944

Mr. G. W. Irvin
P. O. Box 692
Clarkdale, Arizona

Dear Mr. Irvin:

Earl Hastings has just received the data sent in by Mr. Krook and his report is as follows:

"Since my report of August 15, additional information has been filed with this Department, a copy of which is attached for your file.

"Inasmuch as the majority of this information is of such age that conditions described probably no longer exist, I do not feel that any change is warranted in my original negative recommendation."

It does not appear that we have any chance of getting this application through.

We have returned the papers to Mr. Krook.

Let me know after you have been to Humboldt.

Yours very truly,

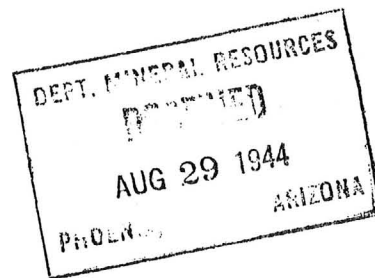
Chas. H. Dunning
Director

CHD:LP

G. W. IRVIN
REGISTERED MINING ENGINEER
P. O. BOX 692
CLARKDALE, ARIZONA

August 27, 1944.

Mr. Chas. H. Dunning, Director,
Department Of Mineral Resources,
304 Home Builders Building,
Phoenix, Arizona.



Dear Mr. Dunning:

I would like to know if the reports that Mr. Krook of Kingman sent you will have any favorable results regarding our loan application.

If I am able to get time off this week I may go over and examine the tailings pond that you talked about a couple of weeks ago.

Very truly yours,

G. W. Irvin.

G. W. Irvin.

August 28, 1944

Mr. George F. Tweedy
R.F.C. Mine Loan Division
325 Heard Building
Phoenix, Arizona

Dear George:

Subject: Docket Phx C-281

Since my report of August 15, additional information has been filed with this Department, a copy of which is attached for your file.

Inasmuch as the majority of this information is of such age that conditions described probably no longer exist, I do not feel that any change is warranted in my original negative recommendation.

Very truly yours,

Earl F. Hastings
Projects Engineer

EFH:LP
Enc.

August 28, 1944

Mr. Carl G. Krook
P. O. Box 1029
Kingman, Arizona

Dear Mr. Krook:

Thank you very much for the reports,
etc. on the Esmeralda Mine enclosed with your
letter of the 23rd.

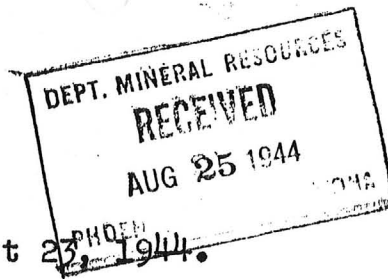
We have made copies of these to supplement Mr. Irwin's application and are returning the originals herewith.

Yours very truly,

Chas. H. Dunning
Director

CHD:LP
Enc.

LAW OFFICE OF
Carl G. Krook
P. O. BOX 1029
Kingman, Arizona



August 23, 1944.

Mr. Charles H. Dunning,
Director of the Department of Mineral Resources,
304 Home Builders Bldg.,
Phoenix,
Arizona.

Esmeralda mine
Irvin and Beck

Dear Sir:

At the request of Mr. G. W. Irvin, of Clarkdale, Arizona, I am handing you for your examination certain data regarding the Esmeralda mine, which I received from Mrs. H. B. Stifel, the owner, being Report from O. F. Kuencer, dated January 20, 1896, Mine Superintendent and Engineer, also Report by Werlitz, and also a letter from Joe Hahn, of August 10, 1938.

This is all the data Mrs. Stifel is able to furnish.

Will you kindly return these reports as soon as they have served your purpose.

Yours truly,

CGK-MK
Encls.

Carl G. Krook
CARL G. KROOK

cc - G. W. Irvin,
P. O. Box 692,
Clarkdale, Arizona.

July 26, 1944

F. O. Box 188,
Kingman, Ariz.

Mr. G. W. Irvin,
P. O. Box 692,
Clarkdale, Ariz.

Dear Mr. Irvin:

Attention is called to your letters of July 16 and 23 regarding the Esmeralda mine, by which I note you have some additional information about this property and that you expect to file an application with RFC in the sum of \$3925, etc.

Now I do not want to discourage you; but, frankly, I do not believe this loan has a chance to be granted. I have talked to our field engineer, Macfarlane, who handles the eastern part of this state, with headquarters at Globe. Mac tells me that RFC has turned down one or two loan applications approved by him on first rate copper mines, which since these applications have been rejected are shipping ore in considerable quantity.

Knowing conditions as they are, I do not believe you have sufficient documentary evidence of workable copper ore bodies in Esmeralda, so I could work up a report that would do you any good; so I have decided not to write any report at all.

However, it will not cost you anything to get up and submit this application; so if you see fit to do so, go right ahead with it, as many loans heretofore have been granted by RFC that are not sponsored by this department.

Very sincerely yours,

Elgin B. Holt,
Field Engineer.

cc - Chas. H. Dunning

01/10

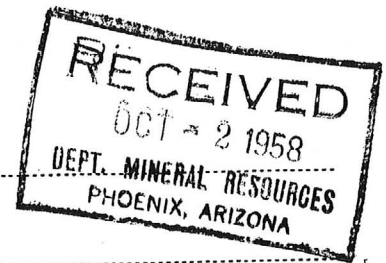
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Phx C-281
August 9, 1944
August 15, 1944

- ARIZONA DEPARTMENT OF MINERAL RESOURCES

Earl F. Hastings, Projects Engineer

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



Date.....

1. Mine: Esmiralla
2. Location: Sec..... Twp..... Range..... Nearest Town Chloride Distance 25 mi
Direction South Nearest R.R. Santa Fe Distance.....
Road Conditions good
3. Mining District and County: Wallaapai Mohave Co
4. Former Name of Mine: same
5. Owner: Mrs. Emilie Stifel
Address: Clayton 5, Missouri
6. Operator: same
Address: ✓
7. Principal Minerals: zinc, Lead, Gold, Silver
8. Number of Claims: Lode one Patented yes Unpatented.....
Placer ✓ Patented ✓ Unpatented ✓
9. Type of Surrounding Terrain: hilly
10. Geology and Mineralization: quartz
11. Dimension and Value of Ore Body: 2" to 1'

Please give as complete information as possible and attach copies of engineer's reports, shipment returns, maps, etc. if you wish to have them available in this Department's files for inspection by prospective lessors or buyers.

(over)

MINING LEASE

Esmeralda

EMILIE STIFEL

to

G. W. IRVIN & R. H. BECK

Dated July 25, 1944

Date: July 25, 1944.

Lessor: EMILIE STIFEL, widow, of Clayton 5, St. Louis County, State of Missouri, hereinafter called "lessor";

Lessees: G. W. IRVIN and R. H. BECK, co-partners as IRVIN & BECK, of Clarkdale, Yavapai County, State of Arizona, hereinafter called "lessees".

Lessor hereby leases to the lessees the mining property hereinafter described, for the term and upon the payment of rentals and upon the covenants and conditions following:

1. PROPERTY. The ESMERALDA patented mining claim, situate in the Wallapai Mining District, Mohave County, Arizona, being Mineral Survey #1215 and U. S. Patent #28618, appears of record in the office of the Recorder of said Mohave County in Book 12 of Deeds, on pages 642-644.
2. TERM. Ten (10) years, commencing on July 25, 1944, and ending July 24, 1954, unless sooner terminated by default or otherwise.
3. POSSESSION AND OPERATION. (a) Lessees are granted the immediate right of possession of said property for the purpose of operating the same and extracting the ores therefrom, and not later than thirty (30) days after the commencement of the term of this lease the lessees shall perform at least thirty (30) miner's shifts of work per month during the life of this lease, which work shall be continuous and without interruption, unless prevented by causes over which lessees have no control.

(b) All work shall be performed in a minerlike fashion and in a manner necessary

sible, with due regard to the development and preservation of said mine as a workable mining property.

(c) Lessees shall well and sufficiently timber the workings at all points where proper and necessary in accordance with good mining, and in compliance with the mining laws of the State of Arizona and the rules and regulations of the office of the State Mine Inspector, and shall repair all old timbering where it may become necessary.

4. ROYALTY. On all ores removed from said premises the lessees shall pay a royalty of ten per cent (10%) on the net smelter or mill returns, and by "net returns" is meant the proceeds remaining after deducting treatment and railroad charges. No deductions for trucking.

All royalties shall be due and payable to lessor within ten (10) days after receipt of returns by lessees and shall be accompanied by duplicate settlement sheets and shall be paid direct to lessor, or her order, at 7562 Wellington Way, Clayton 5, St. Louis County, Missouri, or to such other place as lessor may from time to time direct in writing.

5. GOVERNMENT REGULATIONS. Lessor agrees to comply with all Acts of Congress and Governmental regulations issued thereunder pertaining to the RFC and the OPA. Lessees likewise agree to comply with all Acts of Congress and Governmental regulations issued thereunder pertaining to the RFC and the OPA.
6. INSPECTION OF PREMISES. Lessor reserves the right for herself and her agents to enter upon said mining claim and the workings therein at all reasonable times for the purpose of inspection, survey, or taking samples therefrom, and in that behalf the lessees shall extend proper assistance, but the lessees shall be put to no expense by reason thereof.
7. STOPPING - STORING WASTE. Lessees shall do no underhand stopping, nor shall they store

8. ASSIGNMENT - SUBLETTING. This lease, or any renewal thereof, shall at the option of the lessor be forfeited and terminated if the term in whole or in part of this lease is assigned, transferred or set over by the act of the lessees, or by process or operation of law, or in any other manner whatsoever, or if any part of said premises is sublet, without the written consent of the lessor.
9. TAXES. Lessees shall promptly pay all State, County and Federal taxes, if any levied or assessed against said premises, or the improvements or equipment thereon, beginning with the 1944 tax levy.
10. NON-LIABILITY OF LESSOR. Lessees shall at all times during the life of this lease keep said premises free and clear of all liens, claims and debts, and they shall, at their own cost and expense, record and post and keep posted during the life of this lease, in the name of said lessor, a Notice of Non-Liability in the manner and form by law provided. The lessor shall not, in any event, be responsible for any labor or material bills incurred by lessees in connection with their operation of said mining property under this lease, and if for any reason a claim or lien is filed against said premises for labor or material bills incurred by said lessees during the life of this lease, or any suit shall be filed against lessees for non-payment of labor or material, or any suit shall be filed for the foreclosure of any such lien, such act or acts shall constitute a breach of this lease and subject the same to termination as for default.
11. COMPENSATION INSURANCE. The lessor shall not be liable for any loss, injury or damage to lessees, or their employees, or to their equipment and property used by them in connection with their operations under this lease, and the lessees shall at all times during the life of this lease comply with the provisions of the Workmen's Compensation Law of the State of Arizona, and, insofar as it may apply, with the Federal Social Securities Act of Congress,

approved August 14, 1935, and amendments, and any law of the State of Arizona appertaining thereto.

12. MACHINERY - REMOVAL. All machinery, equipment and tools placed by lessees in or upon said premises during the life of this lease shall be subject to removal by them within thirty (30) days from the date of the expiration of the term of this lease, or from the date of the termination of this lease by default or otherwise: PROVIDED, that all buildings, headframes, underground timbering and rails shall not be removable, but shall remain on said premises and belong to lessor as part thereof.
13. REPRESENTATIONS. Lessees have entered into this lease relying on their own knowledge or judgment of said mining property, and not upon any representations made by lessor, her agents or representatives, touching the merits, character or quality thereof.
14. NOTICE. Whenever a notice is required pursuant to or in connection with this lease by lessor to lessees, such notice shall be sufficient if given by registered letter enclosed in a sealed envelope, postage prepaid thereon, and directed and addressed to the lessees at Clarkdale, Yavapai County, Arizona, and deposited in the United States Post Office at Clayton, Missouri, or at Kingman, Arizona, and the time specified in such notice shall run from the date of posting.
15. BROKEN ORE. Lessor reserves the title to any and all broken ores remaining on the premises or in the workings thereof on the expiration of the term of this lease, or on the termination thereof prior thereto in any manner, and lessees expressly waive any right, title, claim or interest therein.
16. SURRENDER OF POSSESSION. The lessees shall deliver to the lessor quiet and peaceable possession of said premises in good order and condition, with all drifts, tunnels, or other passages thoroughly drained and cleared of loose rock and rubbish, without demand or further notice, on the expiration of this lease or any renewal thereof, or in the event of the sooner termination of this lease for any cause whatsoever, upon demand of the lessor, subject in each

case to the provisions contained in clause
12 hereinabove relating to the removal of
machinery and tools.

17. DEFAULT. Upon the violation of any covenant, condition or term herein contained, this lease shall, at the option of the lessor, expire and terminate, and the lessor, or her agents, may thereupon, after demand in writing, have possession, enter upon said premises and dispossess all persons occupying the same, with or without force, and with or without process of law, or at the option of the lessor, the lessees and all persons occupying the said premises, or any part thereof, may be proceeded against as guilty of unlawful detainer.

IN WITNESS WHEREOF, this lease has been executed by the parties hereto in duplicate, this 25th day of July, 1944.

(Mrs) Emilie Stifel
Lessor

G. W. Irwin

R. H. Beck
Lessees

STATE OF MISSOURI

City of St. Louis
f o

ss

On this 31st day of July, 1944, before me, the undersigned officer, personally appeared MRS. EMILIE STIFEL, widow, known to me to be the person whose name is subscribed to the within instrument and acknowledged that she executed the same for the purpose therein contained.

IN WITNESS WHEREOF, I hereunto set my hand and official seal.

My commission expires _____ My Commission expires February 3, 1947

J. H. Brannigan
Notary Public

On this 27 day of July, 1944, before me, the undersigned officer, personally appeared G. W. IRVIN and R. H. BECK, co-partners as IRVIN & BECK, known to me to be the persons whose names are subscribed to the within instrument and acknowledged that they executed the same for the purpose therein contained.

IN WITNESS WHEREOF, I hereunto set my hand and official seal.

My commission expires Dec. 4, 1947.

Helma B. Edwards
Notary Public