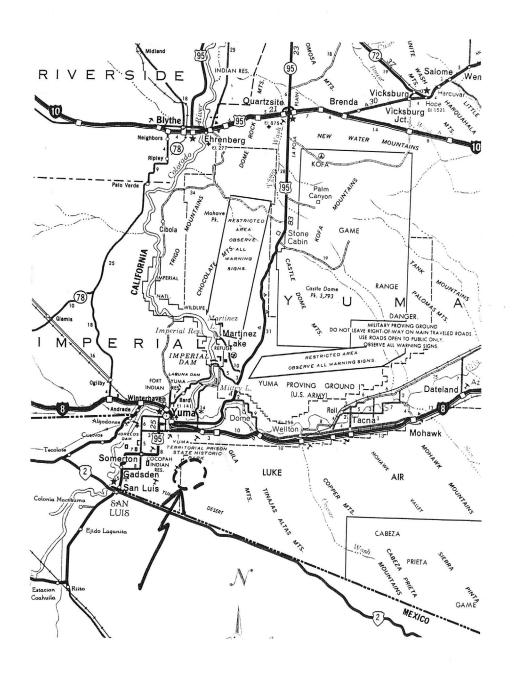
FORTUNA MINE

Also Known As LA FORTUNA MINE

FORTUNA DISTRICT, YUMA COUNTY, ARIZONA

REGIONAL LOCATION MAP



ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES

INFORMATION FROM MINE CARDS IN MUSEUM

ARIZONA_

MM-K167 Gold ore MM-K168 Gold ore

Yuma County

Fortuna District.

Fortuna Mine

MILS # 77 O-AKA's Fortuna mine (full)

FORTUNA MINE (La Fortuna Mine)

Yuma County La Fortuna Mining Distric

T10S R20W Secs. 18, 19, 29, 30 8 Patented Claims (?)

See: ABM Bulletin 125 p. 99, 100

ABM Bulletin 137 p. 152

ABM Bulletin 134 p. 189-199

ABM Bulletin 180 p. 159, 161, 163

USGS Professional Paper 610 p. 52

Engineering & Mining Journal Vol. 63, p. 664, 1 column

" " " Vol. 93, p. 372

Arizona Mining Journal, Feb. 15, 1922, p. 15

La Fortuna "U" Files

Report of the Governor 1989, pp. 251-254

Maps (2) in map file upstairs

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

December-10,-1957

February 18, 1958

To	the	Owner	or	Operator	οf	the	Arizona	Mining	Property	named	below:
----	-----	-------	----	----------	----	-----	---------	--------	----------	-------	--------

1		
Fortuna Mine	Gold	
(Property)	(ore)	

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

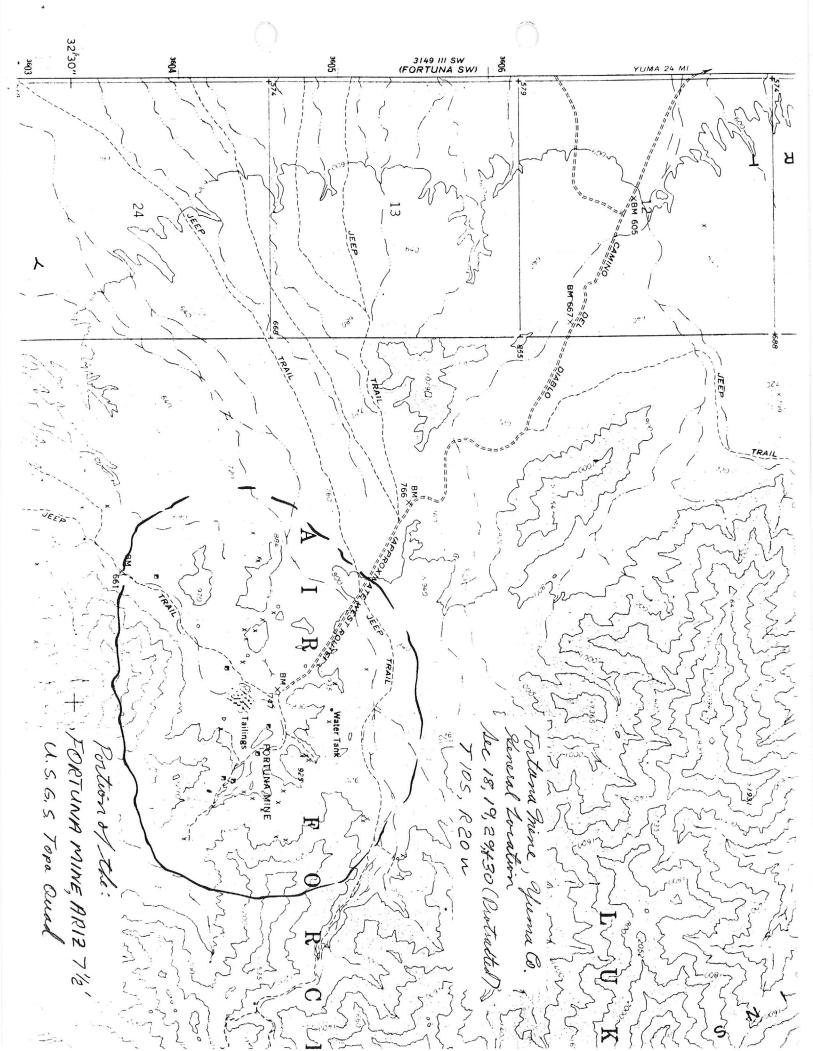
Please fill out the enclosed Mine Owner's Report form with as complete detail as possible and attach copies of reports, maps, assay returns, shipment returns or other data which you have not sent us before and which might interest a prospective buyer in looking at the property.

FRANK P. KNIGHT, Director.

Enc: Mine Owner's Report

DEPARTMENT OF MINERAL PROCES
DEPARTMENT OF MINERAL RESOURCES
Date 6/20. Juna
Mine FORTUNA - MINE. PATENTED.
Location 30 M SE. YUMA. WESTERLY
Owner ELAN MINING
Owner ELAN MINING CO. Address Y. W.H. ENDERTON - SAN JOSE - CA
Operating Co. JAMES. E. WILSON - LESSEE. Address (MIIIT.) YUMA -
Pres.
Genl. Mgr.
Mine Supt.
Mill Supt.
Principal Metals
Men Employed /o
Production Rate
Mill, Type & Capacity 2-5 STAMP BATTERIES.
MILL NEAR BLHIODELL - 12 M. E OF YUMA.
Power, Amt. & Type
MAKING GOOD -
Signed
(Over)

!



gringo Enser. TIOS RZOW Unsurreyed SUR NONE 13-20, 1905 SUR NO 2092 add of Ophill 19.621 8. 100 ZON, 1476-19.796 A. 1475.75' OREGON x 22°23 'X FORTUNA 19.794 A. N 730-31'E King of Kings CHRISHMAS consultated GIFT N 73°-05' E 072040 B63.53 17.982 A. 5 73003'W 1419.4' Reserved 501 CIDE N 700 46' EE 14-07.4' N72°15 E 1369.06 MAONIN-SE ON SOLONE ALTA 18.915 A. HALF (1288.05 00 N 21.26 M. 37.01 M. 6.20 0. 1.26 5.21.26 5.21.26 N 70° 49'E ST50W 1537.82-186° 15' W 570°21'W 899.5' Blaisdell to Mines USLM/M 2092.05-Claim rown 167031 W 18877

IL RESOURCES DNA irgrounds ONA



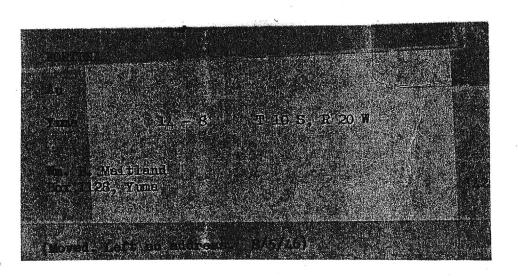
Carrie 5

Elan Mining Co., & W. H. Enderton
San Jose, California





MINING JOURNAL



Burton, H. C. & C. F. Blaisdell, Arizona

2-20-40

See FORTUNA MINE - Re Report

Guido E. Caglieri, Jr., P.O. Box 5895, Carmel, California, 93921, is the president and major stockholder of this mine. info. from letter dated 8/15/75 received from Mr. Caglieri

NJN WR 9/25/81: Dick Pricely of Phelps Dodge's Land Department called for information on the Fortuna Mine, Yuma County. His hope is to find a faulted segment or extension of the Fortuna's geology in non-withdrawn land. He is working on a project to come up with precious metal targets and is taking another look at some of the old large producers.

KAP WR 11/27/81: Richard Grondona reported continued interest in the La Fortuna Mine Yuma, County. The owners are currently negotiating a new lease with the government. The mine is located within the boundaries of the Luke Air Force Range.

J. Jett 3/26/82: Phownix office visit with Sidney S. Alderman Jr, Mining Geologist, 681 Market Street, Room 523, San Francisco, California 94105. Mr. Alderman said he was a partner in the firm of AIM Inc. in San Carlos, California. This was the firm that did an evaluation study for the U.S. Army Corps of Engineers on the Fortuna Mine.

He has separated from AIM and is now working alone. He is presently evaluating two prospects on the Cabeza Prieta for the Corps of Engineers. I discussed the Fortuna mine with him. He could not provide us with a copy of the evaluation study, however, he did mention that his recommendation was to separate the Fortuna area and release it from the bombing range withdrawal.

MG WR 7/3/87: Learned that all 12 patented claims of Fortuna mine property (file) Yuma County are owned by Z. A. Inc., c/o O.C. Pratt, VP, 220 Sansome St. 14th Floor, San Francisco, CA 94101.

KAP WR 9/25/87: Ben H. Slothower, P O Box 3226, Bozeman, Montana 59772, phone (406) 586-1735 and Sidney S. Alderman, Jr., 909 Hearst Building, 5 Thinrd Street, San Francisco, California 94103, phone (415) 974-1190 were in to obtain data on the Fortuna Mine (file) Yuma County located on the Luke Air Force Range. They have been hired by the Army Corps of Engineers to value the property for lease purposes.

AT MAIL - SPECIAL DELIVERY

CORPS OF ENGINEERS, U. S. ARMY

ADDRESS REPLY TO:

DISTRICT ENGINEER

LOS ANGELES DISTRICT

CORPS OF ENGINEERS
P. O. BOX 17277 . FOY STATION

LOS ANGELES 17, CALIFORNIA

OFFICE OF THE DISTRICT ENGINEER
LOS ANGELES DISTRICT
751 SOUTH FIGUEROA STREET
LOS ANGELES 17, CALIFORNIA

REFER TO FILE NO.

SPLRH 601.1 (Williams B&G Range, Arizona - Mineral Interests)

20 December 1954

Mr. Charles H. Dunning, Mining Engineer 817 West Madison Stret
Phoenix, Arizona

Dear Mr. Dunning:

In accordance with your letter of 8 December 1954 addressed to Mr. David Jones of the San Francisco District Engineer Office, Los Angeles District Purchase Order No. 19-50325 is being issued in the amount of \$350, calling for the submission of eight copies of a mineral appraisal report estimating the present day fair market value of the Fortuna Mine, consisting of five patented mining claims known as CHRISTMAS GIFT, HALF MOON, LA FORTUNA, ARIZONA AND OREGON, comprising 96.108 acres. It is believed that you should arrange to have your assaying done locally in order to avoid a delay in the submission of your report which will be due on 20 January 1955.

Mr. Emmett M. Hamlin, of the San Francisco District Mining Branch, will arrive in Yuma, Arizona, at 7:45 p.m. on Monday, 27 December 1954, on Bonanza Airline Flight No. 23. Mr. Hamlin is familiar with the property, having been on the ground with one of the owner's representatives. He will have maps and other data with him and will arrange for access to the area by Air Force desert vehicle.

Please advise immediately if these arrangements are satisfactory to you, in order that this office can inform Mr. Hamlin. It is also requested that this office be furnished your date of birth and full name for Personnel purposes.

FOR THE DISTRICT ENGINEER:

Very truly yours,

L. B. OTTERNESS

Chief, Appraisal Branch Real Estate Division AGRICULTURAL & INDUSTRIAL MINERALS, INC./ OFFICES & LABORATORY SAN CARLOS, CALIF. 94070 U.S.A.

December 8, 1980

Mr. John H. Jett, Director Department of Mineral Resources State of Arizona Phoenix, AZ 85007

1980

Dear Mr. Jett:

We would be pleased to comply with your request of December 5, 1980 for mineral survey data, but the reports are not our property and we cannot give them out. I'm sure however, they can be obtained from the client, the U. S. Army Corps of Engineers.

The party to contact is Mr. Richard Rayburn, U. S. Army Corps of Engineers, 300 North Los Angeles Street, Los Angeles, CA 90053.

The reports you are interested in were made under Contract No. DACA09-77-C-0007, dated March 1977.

Sincerely,

CWM:b

C. William McClung

ORVILLE C. PRATT, IX

PENTHOUSE-SAN FRANCISCAN
1231 MARKET STREET

SAN FRANCISCO, CALIFORNIA 94103

TELEPHONE AREA CODE 415 626-3344

October 27, 1978

TO WHOM IT MAY CONCERN

OF COUNSEL

JACK K. BERMAN

A PROFESSIONAL CORPORATION

This will certify that Richard J. Grondona of Phoenix, Arizona, has been duly empowered by resolution of this corporation under date of June 24, 1978 to act as agent on behalf of Z A, Inc., a Nevada corporation, to negotiate with Marine Corps. Air Station, Yuma, Department of Defense, or any governmental agency or body regarding entry into and exploration on the property of said corporation in Yuma County, Arizona, and to speak on behalf of said corporation in connection with those patented mining claims known and described as CHRISTMAS GIFT, HALF MOON, LA FORTUNA, ARIZONA and OREGON located in Township 10 South, Range 20 West, Gila and Salt River Meridian, in the Fortuna Mining District, Yuma County, State of Arizona, and those certain patented load mine claims known as ALTA, NEW YEARS, ALICE, FAMOUS XX BAILY XX, BARNEY XX, and WASHINGTON, located in Section 16, 17, 20 and 21, Township 10 South, Range 20 West, G & S R B & M, Fortuna Mining District, Yuma County, Arizona.

I certify said resolution is still in full force and effect.

IN WITNESS WHEREOF, as duly authorized secretary and by direction of the Board, I have affixed the corporate seal this 27th day of October, 1978.

Z A, INC., a Nevada corporation,

Secretary

GUIDO E. CAGLIERI, JR.

P.O. BOX 5895 CARMEL, CALIFORNIA 93921 President, ZA, Inc, owners of Fortuna mine, Yuma, Priz

A MEMORANDUM COVERING THE INTENDED METHOD OF PROCESSING THE FORTUNA TAILINGS:

The tailings being discussed are presently located at the Fortuna mine, Yuma county, Arizona. They are the result of milling approximately 226,000 tons of ore which came from both the original Fortuna vein and the Coue orebody discovered and worked by the Elan Mining Company from 1923 to 1927. As a matter of interest the Coue orebody was in a different ore horizon than the Fortuna vein although quite similar in type of ore.

The mill that produced these tailings consisted of twenty stamps which were exceptionally heavy (13,500 pounds each) this accounts for the unusual mesh size distribution with a much larger percentage in the fine mesh sizes than is normally found in stamp mill tialings.

The ore was all free milling and consisted of a granular, high temperature quartz either very high mesothermal or low hypothermal. This has been verified by the writer by means of thin section studies done by him while attending the University of Washington School of Mines.

Because of their ore derivation and particle size, as determined by standard screen size analysis, the tailings may be considered almost ideal for either bulk or pad cyanide leaching in combination with the leach-carbon adsorption au recovery method. (See references listed)

The Laboratory work done on these tailings, by the writer at the U.W. School of Mines and checked by the Lopez Metallurgical Laboratory, Los Angeles, California has established the following:

The particle size of the contained au is such that over 85% has been released and, therefore, is amenable to cyanide leaching. These tailings are very "sharp" and clean which accounts for the very rapid leaching cycle again established by the writer when designing the intended flow sheet for a processing plant.

References:

Bu. Mines Information Circular IC-8770

Bu. Mines Technical Report #20

Bu. Mines Report of Investigations #4672

Bu. Mines Technical Progress Report #8

Society of Mining Engineers of AIME Preprint Number 68-AS-342

At the time surveying, mapping and drilling was done the estimated tonnage of the tailings in place was 86,000.

MEMORANDUM FOR FILE

From:

John H. Jett, Director

Subject: Fortuna Mine, Yuma County

Date:

December 5, 1980

Mr. Richard Grondona, representing AD Inc. (Nevada), owners of Fortuna Mine in Yuma County, was in the office. He provided maps, geological reports, and some letters for the files. He stated he had been to the property recently and brought back 200 lbs of tails. He took the tails to a Mr. Glen Tuttle, who has a small mill about 16 miles north of Yuma. Mrs. Tuttle is owner of Treasure Shack in Tempe.

Mr. Tuttle has 11 claims roadside, off Highway 95, near McFalls Bridge (confluence of Colorado-Gila Rivers). Loader, crusher, ainley bowl and pans are used. The 200 lb sample was reduced to two pans of concentrate. Some gold was recovered and a sample sent for assay. He provided the Department with maps and geologic reports for our files.

JHJ:mw

ORVILLE C. PRATT, IX

ATTORNEY AT LAW

OF COUNSEL

JACK K. BERMAN
A PROFESSIONAL CORPORATION

PENTHOUSE-SAN FRANCISCAN 1231 MARKET STREET

SAN FRANCISCO, CALIFORNIA 94103

TELEPHONE AREA CODE 415 626-3344

November 14, 1980

Mr. John H. Jett Department of Mineral Resources Mineral Building, Fairgrounds Phoenix, Arizona 85007

Dear Mr. Jett:

We are pleased to transmit copies of some reports regarding the Fortuna Mine per your discussion with Colonel Richard J. Grondona, Second Vice President of ZA, Inc. for your records.

Yours very truly,

ORVILLE C. PRATT, IV Secretary and General Counsel

OCP/lfo

JSTRIAL MINERALS, INC./ OFFICES & LABORATORY 1360 BAYPORT AVENUE SAN CARLOS, CALIF. 94070 U.S.A.

February 11, 1977

A. Z., Inc. c/o Oroville C. Pratt, IV 1231 Market Street San Francisco, California 94103

Dear Mr. Pratt:

Re: Tract F658

> Christmas Gift, Half Moon, La Fortuna Arizona, Oregon. Tract M-4-F, Alta New Years, Alice, Famous XX, Bailey XX,

Barney XX, Washington

AIM, Inc. has been retained by the U. S. Army Corps of Engineers to determine the fair market value of entire mineral estate of the subject properties. Your name has been given us as the owner or owner's representative.

This letter is to advise you that our appraisal team will visit the properties this February 21st, 22nd and 23rd. You are invited to be present or to send a representative. If you desire to exercise this privilege, please contact our office and they will tell you how to reach our field crew.

We also invite you to submit any data and information concerning your properties which may help us arrive at their fair market value.

Sincerely yours,

CWM:b

C. William McClung

INVOICE

Name:

Charles H. Dunning, Mining Engineer

Mail Check to: 817 West Madison Street

Phoenix, Arizona

Name of Project: WILLIAMS BOMBING AND GUNNERY

RANGE - MINERAL INTERESTS

Purchase Order:

19-50325

Mineral Report estimating present day fair market value of the Fortuna Mine, consisting of five patented mining claims known as CHRISTMAS GIFT, HALF MOON, LA FORTUNA, ARIZONA AND OREGON, comprising 96.108 acres.

"I certify that the above bill is correct and just; that payment therefor has not been received; that all statutory requirements as to American production and labor standards, and all conditions of purchase applicable to the transactions have been complied with, and that State or local sales taxes are not included in the amount billed."

> CHARLES H. DUNNING Mining Engineer

Mineral Report as indicated above has been completed and statement is approved for payment.

HAROLD E. SPICKARD Chief, Real Estate Division

20 December 195h

Period Covered:

December 5, 1980

Mr. C. William McClung A.I.M. Inc. 1360 Bayport Avenue San Carlos, California 94070

Dear Mr. McClung:

As I understand, your organization did a study for the U.S. Army Corp of Engineers to determine the market value of the mining claims owned by A.Z. Inc. These claims are located in the Fortuna Mining District, Yuma County, Arizona.

As a state mineral resources agency, is it possible we could be provided with a copy of this study for our records? Any consideration of this request will be appreciated.

Very truly yours,

John H. Jett Director

JHJ:mw

bc: Mr. Richard Grondona 3620 North 6th Avenue Phoenix, Arizona 85013 March 19, 1981

Richard Rayburn U. S. Corps of Engineers 300 North Los Angeles Street Los Angeles, California 90053

> Re: Contract No. DACAC9-77-C-0007 Dated March 7, 1977, AIM, Inc.

Dear Mr. Rayburn:

On December 22, 1980, I wrote to you (see attached) requesting a copy of the above study which was conducted to determine the market value of mining claims owned by A.Z. Inc. in the Fortuna Mining District, Yuma County, Arizona.

As mentioned in the first letter, our agency is a state mineral resources agency and would bike very much to have the data for our records.

Any help you could give me on this matter would be greatly appreciated.

Bery truly yours,

JHJ:at

John H. Jett Director

Enclosure

bcc: Richard Grondona

3620 N. Sixth Avenue Phoenix, Arizona 85013 December 22, 1980



Richard Rayburn -U.S. Corps of Engineers 300 North Los Angeles Street Los Angeles, California 90053

> Re: Contract No. DACA09-77-C-0007 Dated March 7, 1977, AIM, Inc.

Dear Mr. Rayburn:

Subject contract was for a study to determine the market value of mining claims owned by A.Z. Inc. The claims are located in the Fortuna Mining District. Yuma County, Arizona.

As a state mineral resources agency, we would like to be provided with a copy of this study for our records. We are more interested in the data used to determine a value rather than in the conclusion itself.

Any consideration will be appreciated.

Very truly yours,

John H. Jett Director

JHJ:mw

Enc1

bc: Mr. Richard Grondona (FORTUNA FILE)
3620 N. Sixth Avenue

Phoenix, Arizona 85013

The Fortuna mine, near Yuna, recently acquired by Mr. C. B. Lane, of California, and his associates, has largely added to the list of valuable gold properties in the Territory. It is also a prominent example of the fact that the gold-bearing regions of Arizona have been greatly neglected and not well prospected or developed.

The mines and mill of this company are situated about 30 miles southeast of Yuma City, in Yuma County. It is in a region without a natural supply of water, but capital and skill have remedied this defect by pumping water from the Gila River at a point 12 miles north of the mine. A large and powerful pump requiring 100-horse power is placed at the river and the water is forced through a 4-inch pipe to the mill at the mine, overcoming an elevation of 750 feet. The difficulty of working a mine and mill without water is thus overcome and the supply is unfailing.

The mine proper or principal lode, consists of a glassy, rose-colored quartz, slightly copper stained in places, and partially covered also by iron rust or oxide, from the decomposition of pyrites. The gold is coarse and free. This main ledge is 20 feet wide, and dips to the eastward in the general plane or course of the surrounding formation—a hornblende schist. The dip is about 32 degrees. A shaft has been sunk in this ledge or ore body to a depth of 220 feet, all of the way in ore, which carries the same value in gold from the top to the bottom of the shaft. There are three drifts extending at different levels from this shaft, with an aggregate length of 250 feet, and these are all in ore.

From these openings 6,300 tons of ore have been extracted in the last four months, producing gold to the value of \$220,500.

The plant for hoisting and milling consists of a first-class double-reel hoist and a 20-stamp mill.

The average output of the mine since it started has been as follows:

maar war - WO Old - W	Tons crushed per day Assay value of the ore per ton (gold) Amount saved in mill per ton (gold) Value of tailings per ton (gold) Total tons crushed in four months Total amount saved in gold bullion Avarage production per month	52½ 40 35 5 6,300 220,500	nga∈ -Contid.
TAKEN FROM R	TANLEGO SESCREPANION OF THE ART AND THE	771-Y-40-1-07-0-1	••

There are also upon this perperty, and within less than 2,000 feet of the Fortuna, four other distinct and well-defined ledges-one 10 inches wide, one 2 feet wide, one 4 feet wide, and one averaging 12 feet wide. The assay value of the ores from these ledges averages, respectively, \$20, \$25, \$8, and \$12 per ton. The several shafts or pits aunk on these ledges amount in all to about 375 feet and the drifting to 320 feet. All this sinking and drifting is one ore, and from the prospects it would appear that these ledges will develop into extensive and valuable mines comparable with the Fortuna. Work is progressing upon all.

Thus in a few short months this place (Fortuna) has developed from a desert and wilderness into a prosperous and growing camp, and intelligent, legitimate mining, with sufficient capital, is having its golden reward.

LA FORTUNA MINA 1849

From 80 tons of rock crushed daily the average product is perhaps \$48,000 worth of gold per month. Some months they have produced as high as \$90,000.

LA FORTUNA HINE

The La Fortuna mine, recently put in operation, has a 20-stamp mill running night and day, and the production of gold averages\$75,000 per month.

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Tons crushed per day Assay value of the ore per ton (gold)	52 1 / ₂ 40 35
Amount saved in mill per ton (gold) Value of tailings per ton (gold) Total tons crushed in four months	5 6,300
Total amount saved in gold bullion Average production per month	220,500 55,000; ***

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Name of ore Rose Quartz Minerals contained copper-selver + gold.	Name of mine or claim Fortuna Mine Group Fortuna Group. District Fortuna District
Depth at which taken 250 ff. Cerel Approximate mineral content (in terms of average per ton):	Location (distance and direction by highway from what town) 30 miles from young, (S.E.) Owner of property Elan Mining C.
Quantity or % Value	Operator Mine active or inactive Inactive
Gold	If inactive, when operated 1924 Specimen presented by Will V. Pool
Silver	Notes: at present, leaved by Burton Bro. Moning & of Palforme
	operating on small vein for les 2 yrs.
	If move space is desired for notes, use other side on 1 st of October 1940

The Fortuna mine, near Yuma, recently acquired by Mr. C. D. Lane, of California, and his associates, has largely added to the list of valuable gold properties in the Territory. It is also a prominent example of the fact that the gold-bearing regions of Arizona have been greatly neglected and not well prospected or developed.

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The average output of the mine since it started has been as follows:

Tons crushed per day	52 1
Assay value of the ore per ton (gold)	40
Amount saved in mill per ton (gold)	35
Value of tailings per ton (gold)	5
Total tons crushed in four months	6,300
Total amount saved in gold bullion	220,500
Average production per month	55,000

There are also upon this property, and within less than 2,000 feet of the Fortuna, four other distinct and well-defined ledges-one 10 inches wide, one 2 feet wide, one 4 feet wide, and one averaging 12 feet wide. The assay value of the ores from these ledges averages, respectively, \$20, \$25, \$8, and \$12 per ton. The several shafts or pits munk on these ledges amount in all to about 375 feet and the drifting to 320 feet. All this sinking and drifting is one ore, and from the prospects it would appear that these ledges will develop into extensive and valuable mines comparable with the Fortuna. Work is progressing upon all.

Thus in a few short months this place (Fortuna) has developed from a desert and wilderness into a prosperous and growing camp, and intelligent, legitimate mining, with sufficient capital, is having its golden reward.

From 63 tons of rock crushed daily the average product is perhaps \$46,000 worth of sold per month. Some months they have produced as high as \$90,000. (Report Levener 1899)

The La Cortuna mine, recently put in operation, has a 20-stamp mill running might and day, and the production of gold averages \$75,000 per month. (Report of Sommer 1897)

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Mr. T. Pilger, 70 Wall Street, New York City, New York.

Dear Mr. Pilger:

Some time ago you asked me to get information regarding the Burton Brothers operations at Blaisdell, Arizona.

I am enclosing herewith a copy of a memorandum from our field engineer in that district.

While in Yuma, I had a chance to talk with Mr. Maitland, and while they are operating on a small scale, it seems that they are starting on a sound basis. We are particularly interested in this work as they are taking custom ore and supplying an outlet for some of the small producers in that area.

With best wishes, I am

Yours very truly,

J. S. Coupal Director

JSC-jrf

Encl.

	APPRAISAL	REPORT (MINING)
		PROJECT WILLIAMS BOMBING & GUNNERY RANGE, ARIZ.
		TRACT M-3-F'
-1.75	COUNTY	CITY
TATE ARIZONA	MUX	DISTRICT TOWNSHIP LOS., R2OW., G. &S.R.M
ROPERTY OF GUIDO E. CAGLIDADORESS 2620 LARKIN STRANCISCO,	REET	
		TENTED-SURVEYED - 96.108 ACRES
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MINERAL APPRAISAL REPORT TRACT NO. M-3-F WILLIAMS BOMBING and GUNNERY RANGE

Yuma County

State of Arizona

INTRODUCTION:

The purpose of this report is to estimate the fair annual easement rental for Tract No. M-3-F situated within the exterior limits of the extended area of the Williams Bombing and Gunnery Range, Arizona. Tract No. M-3-F is located in Sections 20 and 21, Township 10 South, Range 20 West, Gila and Salt River Meridian, Fortuna Mining District, Yuma County, Arizona.

PERTINENT INFORMATION:

Examination of subject area was made on 30 August, 5 September, and 6 September 1952, by Mining Engineers John E. Moon, Jr. and Wm. S. Eddelman, Jr.

Tract No. M-3-F is composed of five patented lode mining claims known as CHRISTMAS GIFT, HALF MOON, IA FORTUNA, ARIZONA, and OREGON. These claims, encompassing 96.108 acres, were surveyed under Survey No. 2092, and patented on 4 May 1907 by La Fortuna Mining Company. Present owner of Tract No. M-3-F is Guido E. Caglieri, Jr., 2620 Larkin Street, San Francisco, California, who acquired the property "under and by virtue of Sheriff's Deed dated - January 1946, recorded 16 January 1946 in Book 103 Deeds, Page 1, Records of Yuma County, Arizona."

The subject claims represent the heart of the Fortuna Mining District from which an estimated 183,000 tons of ore valued at \$2,883,000.00 (Avg. value @ \$20.67 oz. is \$15.94 per ton) were extracted. In the development of this ore, and the unsuccessful search for additional ore that followed 15,000 to 20,000 feet of horizontal development work together with 2,000 feet of vertical development work were accomplished. An an addition to this extensive development, 22 diamond drill holes - comprising several thousand feet of exploratory drilling - were undertaken.

A grab sample taken on the Arizona claim at the "Mineral Hill" location where tungsten ore was supposedly showing gave no commercial results when assayed by Smith-Emery Company, Ios Angeles, California.

The reported results are as follows:

Mineral Hill - 0.04 oz. Au; Nil Ag; Nil WO3

An examination of _e old tailings scattered o.r t_, relatively flat area South and West of the old, caved, inclined shaft revealed a sizeable tonnage (estimated by Harry Murray to contain 84,000 tons) of tailings mixed with detrital material, and in places partially over grown by brush. Four samples of these tailings (taken by Harry Murray or his assistant) averaged 0.72% WO3 which is four tenths of a pound per ton. Without resampling these tailings, the undersigned is willing to accept the results mentioned.

Copies of geologic and mining reports made by C. F. Tolman, Jr. and W. B. Maitland were studied in detail to determine the future possibilities of this property. W. B. Maitland was the last operator of the mine. Upon completion of the mining of old pillars and remnants of ore, he was unable to continue operating at a profit, and finally closed the mine.

Principal metals are gold and silver.

MINING EQUIPMENT and SURFACE IMPROVEMENTS:

None .

MINERAL ESTIMATE:

No ore reserves exist within the property. The old tailings mentioned above do not contain sufficient value to be workable. No commercial tungsten ore was found on the property.

CONCLUSION:

The mining claims comprising Tract No. M-3-F are patented and have had sufficient work done upon them to qualify for the minimum allowable for patented claims.

No ore reserves remain in the mine. Extensive development work was disappointing, and the possibility of developing additional ore bodies is very remote.

RECOMMENDATIONS:

The estimated fair annual easement rental for the use of this property is recommended to be as follows:

Surface and subsurface Rights

1.	CHRISTMAS GIFT Claim\$	50.00
2.	HALFMOON Claim	50.00
3.	IA FORTUNA	50.00
40	ARIZONA Claim	50.00
5.	OREGON Claim	50.00
	Improvements (none)	NIL
	Ore Reserves (none)	NIL
	TOTAL	

Total Annual Easement Rental

\$250.00

Wm. S. EDDELMAN, JR.

Valuation Engineer (Mining)

DATE: 17 NOVEMBER 1952

Unchacled 10/28/80

ONA DEPARTMENT OF MINER RESOURCES Mineral Building, Fairgrounds Phoenix, Arizona

1.	Information from: Richard J. Grondona
	Address: 3620 North 6th Avenue, Phoenix, Arizona 85013 Phone: (602) 266-8190
2.	Mine: FORTUNA 3. No. of Claims - Patented 7 (?) also known as: LA FORTUNA Unpatented
4.	Location:
5.	18, 19, Sec 29, 30 Tp 10S Range 20 W 6. Mining District Fortuna (Yuma County)
7.	Owner: Richard J. Grondona, Guido E. Caglieri Jr., et al
8.	Address:
9.	Operating Co.: None
10.	Address:
11.	President:12. Gen. Mgr.:
13.	Principal Metals: Gold 14. No. Employed:
15.	Mill, Type & Capacity: None
16.	Present Operations: (a) Down [X]X (b) Assessment work [(c) Exploration [(d) Production [tpd.
17.	New Work Planned: Evaluation
18.	Miscl. Notes: Property is located on the Luke Air Force Range.
	The area is a bombing and air-to-air gunnery range
	and access is very restricted. The owners have
	permission for access when the range is not in use.
Dat	re: October 23, 1980 (Signature) (Signature) (Ken A. Phillips (Field Engineer) KAP:mw

SURVEY OF OPERATING MINES

Elgin B. Holt

DEPT. MINERAL ELECTRONISJune 18, 1942

RECEIVED FORTUNA MINE

JUN 20 1942

PHOENIX,

ARIZONA

FORTUNA MINE, leased to:

Burton Bros.,

By:

Rosamond, Kern County, Calif.

Wm. B. Maitland, Supt, and part owner, Yuma, Oring.

This company has been operating the Fortuna mine, located 26 miles S. E. of Yuma, for two or three years, ore being milled in a 40-ton amalgamation and cyanidation mill located at Blaisdell, on the R. R., $12\frac{1}{2}$ miles from property.

1941 production: 500 tons, av. \$16.00 gold per ton.

1942 production: none.

WORK NOW UNDER WAY: Mill now closed, but 8 men are employed carrying out exploratory work in mine. Maitland says, hower, he expects to close down in a few days for duration, due to the fact men are scarce, wages high and he has no priority rating.

Elgin B. Holt.

*

P. 0. Box 288, Kingman, Arizona, Feb. 20, 1940.

MEMORANDUM

To J. S. Coupal, Director.

Reference is made to your memorandum of January 30, 1940, regarding the Inquiry of T. Pilger, 70 Wall Street, N. Y.: "What do you know about and what do you think of the property which the Burton Bros. are operating at Blaisdell, Arizona."

Recently, while I was in Yuma, I secured the following brief information about the operations mentioned above:

During 1938, H. C. & C. F. Burton, Rosamond, California, secured a lease and option on the Fortuna mine, located about 20 miles southeast of Yuma. This property was discovered and worked over 30 years ago and it is reported a bonanza body or vein of ore was taken out, with a gross value of \$7,000,000.

This is the property now being worked by Burton Bros. In 1939 these people erected a 10-stamp mill and cyanidation plant at Blaisdell to treat ore mainly from the Fortuna mine; said mill having a capacity of 45 tons of ore per 24 hours. A part of the gold is also recovered by plate amalgamation. William B. Maitland is General Supt. of the Fortuna mine and H. S. Dahlman, is mill Superintendent. Ore is also purchased and milled from outpose properties.

The operation referred to above is well thought of in Yuma; but details concerning the same were not available.

Elgin B. Holt, Field Engineer, Department of Mineral Resources.

- 72. DISCOUNTS In connection with any discount offered, time will be computed from date of delivery of the supplies to carrier when delivery and acceptance are at point of origin, or from date of delivery at destination or port of embarkation when delivery and acceptance are at either of those points, or from date correct invoice or voucher (properly certified by the Contractor) is received in the office specified by the Government if the latter is later than date of delivery.
- 3. SELLER'S INVOICES. Invoices shall be prepared and submitted in quadruplicate unless otherwise specified, and shall contain the following information: Contract number, Order number(if any), and Item number; contract description of supplies or services, sizes, quantities, unit prices, and extended totals. Bill of Lading number and weight of shipment will be shown for shipments on Government Bills of Lading. The following certificate will be shown on each copy of the invoice:

"I certify that the above bill is correct and just and that payment has not been received:"

The Contractor of his authorized representative will sign ONLY the original (ribbon typed copy, if typed). When the invoice is signed or receipted in the name of the company or corporation the name of the person signing, as well as the capacity in which he signs, must appear. For example: "John Doe Company, by John Smith, Secretary", "Treasurer", or as the case may be.

- 4. DISPUTES Except as otherwise provided in this contract, any dispute concerning a question of fact arising under this contract which is not disputed diffuy greement shall be decided by the Contracting of them, who ishall reduce his decision to writing and mail or otherwise furnish a topy thereof to the Contractor may appeal, by mailing or otherwise furnishing to the Contractor may appeal, by mailing or otherwise furnishing to the Contractor may appeal addressed to the Secretary, and the decision of the Secretary or his duly authorized representative for the hearing of such appeals shall, unless determined by a court of competent jurisdiction to have been fraudulent, arbitrary, capticious or so grossly erroneous as necessarily to imply bed faith, be final and conclusive; provided that, if no such appeal is taken, the decision of the Contracting Officer shall be final and conclusive. In connection with any appeal proceeding under this clause, the Contractor shall be afforded an opportunity to be heard and to offer evidence in support, of its appeal. Pending final decision of a dispute hereunder, the Contractor shall proceed diligently with the performance of the contract and in accordance with the Contracting Officer's decision.
- 5. CONVICT LABOR : In connection with the performance of work under this contract, the Contractor agrees not to employ any person undergoing sentence of imprisonment at hard labor.
- 6. NONDISCRIMINATION IN EMPLOYMENT In connection with the performance of work under this contract, the Contractor agrees not to discriminate against any employee or applicant for employment because of race, creed, color, or national origin; and further agrees to insert the foregoing provision in all subcontracts hereunder except subcontracts for standard commercial supplies or for raw materials.
- 7. OFFICIALS NOT TO BENEFIT No member of or delegate to Congress, or resident Commissioner, shall be admitted to any share or part of this contract, or to any benefit that may arise therefrom; but this provision shall not be construed to extend to this contract if made with a corporation for its general benefit.

-8.-COVENANT AGAINST CONTINGENT FEES - The Contractor warrants that no person or selling agency has been employed or retained to solicit or secure this contract upon an agreement or understanding for a commission, percentage, brokerage, or contingent fee, excepting bona fide employees or bona fide established commercial or selling agencies maintained by the Contractor for the purpose of securing business. For breach or violation of this warranty, the Government shall have the right to annul this contract without liability or in its discretion to deduct from the contract price or consideration the full amount of such commission, percentage, brokerage or contingent fee.

 RENEGOTIATION - This contract is subject to the Renegotiation Act of 1951 (P. L. 9, 82nd Congress) and shall be deemed to contain all the provisions required by section 104 of said act.

10. GRATUITIES - (a) The Government may, by written notice to the Contractor, terminate the right of the Contractor to proceed under this contract if it is found, after notice and hearing, by the Secretary or his duly authorized representative, that gratuities (in the form of entertainment, gifts or otherwise) were offered or given by the Contractor, or any agent or representative of the Contractor, to any officer or employee of the Government with a view toward securing a contract or securing favorable treatment with respect to the awarding or amending, or the making of any determinations with respect to the performing, of such contract; Provided that, the existence of the facts upon which the Secretary or his duly authorized representative makes such findings shall be in issue and may be reviewed in any competent court. (b) In the event this contract is terminated as provided in paragraph (a) hereof, the Government shall be entitled (i) to pursue the same remedies against the Contractor as it could pursue in the event of a breach of the contract by the Contractor, and-(ii) as a penalty in addition to any other damages to which it may be entitled by law, to exemplary damages in an amount (as determined by the Secretary or his duly authorized representative) which shall be not less than three nor more than ten times the costs incurred by the Contractor in providing any such gratuities to any such officer or employee. (c) The rights and remedies of the Government provided in this clause shall not be exclusive and are in addition to any other rights and remedies provided by law or under this contract.

THE FOLLOWING PROVISION IS APPLICABLE ONLY TO ORDERS WHICH EXCEED \$1,000.00

- 11. EXAMINATION OF RECORDS (a) The Contractor agrees that the Comptroller General of the United States or any of his duly authorized representatives shall, until the expiration of three years after final payment under this contract, have access to and the right to examine any directly pertinent books, documents, papers, and records of the Contractor involving transactions related to this contract.
- (b) The Contractor further agrees to include in all his subcontracts hereunder approvision to the effect that the subcontractor agrees that the Comptroller General of the United States or any of his duly authorized representatives shall, until the expiration of three years after final payment under the subcontract, have access to and the right to examine any directly pertinent books, documents, papers, and records of such subcontractor involving transactions related to the subcontract. The term "subcontract" as used in this clause excludes (1) purchase orders not exceeding \$1,000 and (ii) subcontracts or purchase orders for public utility services at rates established for uniform applicability to the general public.

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DE 12 PREDER C. FOLLAR CONERNING VA

RECEIVING REPORT . DON CHYRE ! IS MILEUI. ... REPORT OF REJECTIONS The Machadonia REASON FOR REJECTION SUPPLIES OR SERVICES QUANTITY - -- 10: 2" takes . AUDONEX DUISING SHE FEEDRICHE BVALLERY FOR " (; ? . 1.07. 010 1000 កស្សាល មា ជម្រើបរាជនយ "JO!!A STOCK RECORD ACCOUNT VOUCHER NUMBER DELIVERED BY per aucores cleric DEPT WHOICES OF I CERTIFY THAT THE SUPPLIES OR SERVICES LISTED IN THE "QUANTITY I CERTIFY THAT THE SUPPLIES OR SERVICES LISTED IN THE "QUANTITY ACCEPTED" COLUMN HAVE BEEN RECEIVED AND ACCEPTED; AND THAT ACCEPTED" COLUMN WERE INSPECTED AND ACCEPTED, THAT THEY CON-FORM TO THE CONTRACT REQUIREMENTS; THAT THE SUPPLIES OR SER-THEY HAVE BEEN ENTERED IN MY STOCK RECORD ACCOUNT OR OTHER-WISE ACCOUNTED FOR IN ACCORDANCE WITH APPLICABLE INSTRUC-VICES LISTED ABOVE WERE REJECTED FOR THE REASONS STATED, AND TIONS, COLA 152 THAT THE FOREGOING REPORT IS, CORRECT. UNSPECTOR'S SIGNATURE SIGNATURE OF ACCOUNTABLE OFFICER ACCOUNT SERIAL NUMBER CACAMBAL LADA 「ドーかいる INSPECTOR'S GRADE GRADE AND DESIGNATION BATE OFICHTE MOMPEY DVIENTRENT With him & Bold sold alleged worth

CLASS OF SERVICE

This is a full-rate Telegram or Cable-gram unless its deferred character is indicated by a suit symbol above or ceding the addr

WESTERN UNION

1220

SYMBOL

DL=Day Letter

NL=Night Letter

J=Int Hetter Jelegram

a filing time shown in the data line on telegrams and deliver.

Lalsa314 Long GOVT DL PD=WUX LOS ANGELES CALIF 10 301PMP= CHARLES H DUNNING MINING ENGINEER. (DO NOT FWD)=

3817 W MADISON ST PHOENIX ARIZ=

ACTION CHARLES H DUNNING MINING ENGINEER 8 17 W MADISON
STREET PHOENIX ARIZONA, INFO DISTRICT ENGINEER LOSANGELES
DISTRICT CORPS OF ENGINEERS US ARMY 75 1 SOUTH FIGUEROA
STREET LOSANGELES CALIFORNIA, IN REPLY CITE SPNRD-1656.
IN ACCORDANCE WITH YOUR REQUEST SUBMISSION OF ORIGINAL
AND SEVEN PHOTOSTATIC SIGNED COPIES OF MINERAL APPRAISAL
REPORT IS ACCEPTABLE, PLEASE FORWARD REPORT TO LOS ANGELES
DISTRICT OFFICE

GRAF DISTRICT ENGINEER CORPS OF ENGINEERS US ARMY 180
NEW MONTGOMERY STREET SAN FRANCISCO CALIFORNIA 102150Z

8 17 W 75 1 SPNRD 1656 180 102 150Z.

NO AM STO ESSO BY DI AT 641/ TO BE INLED CALLS

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Telegram or Cable-gram unless its de-ferred character is indicated by a suitable symbol above or preceding the addr

ESTERN

Night Letter

shown in the date line on telegrams and day letters is STANDARD TIME at point of origin. Time of receipt is STANDARD TIME at point of destination LC310

1954 DEC 27

LELLMO99 GOVT DL PD=WUX LOS ANGELES CALIF 27 1237PMP= CHARLES H DUNNING MINING ENGINEER

\$17 WEST MADISON ST DO NOT EWD PHOENIX ARIZ=

IN REPLY CITE SPNRD-1467 IN ACCORDANCE WITH YOUR TELEPHONIC CONVERSATION AND UNDERSTANDING WITH MR JONES OF THIS OFFICE, MR EMMETT M HAMLIN WILL YUMA AIRPORT ON BONANZA BLIGHT NUMBER 23 AT 7:45 PM WEDNESDAY, 5 JANUARY 1955 IT IS UNDERSTOOD YOU WILL MAKE MOTEL RESERVATION AND MEET HAMLIN AT AIRPORTS ARRANGEMENTS HAVE BEEN MADE THE COMMANDER YUMA AEB FOR JEEP AND DRIVER BEGINNING MORNING OF 6 JANUARY 1955= GRAS DISTRICT ENGINEER CORPS OF ENGINEERS US ARMY 180 NEW MONTGOMERY STREET SAN BRANCISCO CALLEORNIA 271948Z=