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ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES AZMILS DATA

PRIMARY NAME: MARCONI MINE GROUP

ALTERNATE NAMES:

PIMA COUNTY MILS NUMBER: 227

LOCATION: TOWNSHIP 18 S RANGE 12 E SECTION 12 QUARTER NE
LATITUDE: N 31DEG 52MIN 58SEC LONGITUDE: W 111DEG 04MIN 07SEC
TOPO MAP NAME: TWIN BUTTES - 15 MIN

CURRENT STATUS: PAST PRODUCER

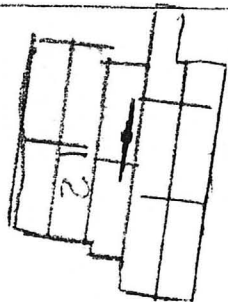
COMMODITY:

ZINC OXIDE
LEAD OXIDE
COPPER OXIDE
SILVER
GOLD LODE

BIBLIOGRAPHY:

AZBM BULL. 189, P. 135, 1974
ADMMR MARCONI MINE FILE

T185
R125



T185
R125

6

5

7

13

24

18

19

17

20

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9

16

21

10

15

22

11

14

23

Marconi Beam Apparatus

SURFACE

SHAFT

500 WEST

2480 T.
#4045/ln

500 EAST

ORE Gross Value \$5,52 per ton
5300 T.

.0202 AU, 3.202 Ag
0.0260, 5.506 Cu 2N

4480 T
#22.41

200 EAST

2480 T X 40.45 = 100,316.00
5300 T X 35.52 = 188,256.00
4480 T X 22.41 = 100,396.00
12260 T X 31.73 = #388,968

3173 X 80% = 2538.4
15.86

Mining Mill #

10.00
5.86 profit

12260 X 5.86 = #71,843.66

SECTION

MARCONI ALIVE

TWIN BUTTE, ARIZ

SCALE 1" = 100'

BECK, Albert (President)
Southwest Mining Co., Inc.

~~429 E. Carson Street~~ *unclaimed*
~~Las Vegas, Nevada~~ 6-12-46

10-30-42

See MARCONI MINE

Re - application for "C" loan

* * * * *

1. Marconi Mine
2. Twin Buttes District, Pima County, Arizona
3. H. Grattan Lynch, Spokane, Washington
4. Messrs. Irvin and Jones
5. Examined the 300 level on September 14, 1948
6. Lead-zinc
7. Considered of no interest.
8. _____

Addendum by G. J. Duff - May 21, (1951): Lynch unwatered the shaft but did very little development work. We milled 15 to 20 tons of the ore, which was their entire output, but it really could not be considered commercial product even under present metal prices.

* * * * *

MARCONI

REFERENCES

PIMA COUNTY

ABM Bul. 189, p. 135

MILS Sheet sequence number 0040190310

MAP - Upstairs in the ABM rolled file boxes - claim map in the Pima District
maps

ASSAY SHEET — MARCONI MINE

	Width of Vein	Date 1928	@ 20.67 Gold oz	@ 0.57 Silver oz	@ 0.142 Copper %	@ 0.64 Lead %	Zinc %	Total Value
Sample # 55020 (Jacobs)		Jan 14		10.1	2.5	14.8		\$
Sample No 1 Raise Top		Feb 8	.21	6.5	.55	11.6		24.00
Winze No 1		"	.08	3.4	.05	9.1		15.55
" " 2		"	.22	4.9	.9	6.2		17.80
" " 3		"	.08	4.1	1.15	5.1		13.80
" No 1		18	.12	3.6	.35	10.1		18.05
15.7 inches		22	.03	1.1	.15	7.3		10.75
" No 1		Mar 2	.04	2.1	.03	6.9		11.25
" Winze 29-30		" 9	.02	1.8	.15	4.1		6.85
" No 1		" 10	.04	3.2	1.25	19.8		29.90
" No 2 Raise Pile		" 16	.02	2.8	.8	14.8		22.65
" Face Pile 161 ft in		"	.01	1.1	.4	3.2		5.95
" No 1		21	.1	7.1	14.2	8.8		57.05
" Raise Pile No 2		24	.02	2.2	.5	7.1		11.60
" Face Pile 174 ft in		"	.03	3.6	1.05	7.6		14.80
" No 1		Apr 10	.08	5.2	.1	7.8		14.35
Drift 240 ft #1		" 26	.02	3.2	.1	8.9	Iron 26.1 %	11.43

Twin Buttes, Arizona
July 1, 1932.

Mining Report of the Marconi Mine.

The Marconi Mine comprising a group of fourteen unpatented claims namely:

Oregon,
Washington,
Pacific,
Oriental,
Olympia,
Atlantic,
Josephine,
Josephine #2,
San Antonio,
San Antonio #2,
San Antonio #3,
San Antonio #4,
Marconi,
Marconi #2,

belongs to the Alexander Rossi Estate,

Mrs. Elizabeth Donald, Executrix. This mining property is situated in Pima County, Arizona, about a mile south of Twin Buttes, close to Twin Buttes-Nogales Highway. It is adjoining the Morgan Mining Group, belonging to Twin Buttes Mining and Smelting Company.

As to the geological nature of the predominating rock formations which are running in a general course from the north west to the south east, the following may be stated:

Cambrian,
Paleozoic,
Devonian,
Mississippian,
Pennsylvanian strata are followed by:
Conglomerates,
Sandstones,
Quartzites,
Mesozoic Sedimentaries.

These above mentioned strata and formations are cut by several mineral bearing veins. The claims have been located along side of them.

There are several shafts each reaching a depth of over 100 feet and each in highly mineralized fissures. The main and most prominent fissure vein outcrops on the Josephine and the Josephine #2 claims. The outcroppings can be traced on the surface for over 3000 feet. The veins dip from the north to the south at about 57 degrees. The main workings have been performed on the above mentioned claims. The main shaft can be found on the Josephine claim.

The minerals found and mined are lead-silver-copper-zinc ores, lead silver predominating, some good values are noticeable.

THE MARCONI SHAFT:

This incline shaft-a one compartment shaft- reaches a depth of 400 feet. Hundred feet below surface the first high grade ore in larger quantities had been struck. The width of the vein on this level is between five to six feet. Little drifting has been done here and sinking continued down to 200 feet where two drifts were started, the east drift reaching a length of 280 feet, the west drift 30 feet. The average width of the vein on this level is about six feet. Assays taken in the east drift, - each assay ten feet apart, - show a total average value of \$11.81 per ton of all the ores present. The itemized values can be found on the map, the itemized assay returns can be furnished if requested.

Two more levels were sunk, the 300 and the 400 foot level. On each level considerable drifting was done.

On the 300 foot level a drift was driven 240 feet east and 160 feet west. Samples were taken after every round of blasting. The average width of the vein is about the same as on the 200 foot level. The total average value per ton on this level is 18.86. The itemized values can be found on the map, the itemized assay returns can be furnished if wanted.

Two drifts were driven on the 400 foot level, east 110 feet, west 45 feet. The vein faded considerably in width, reaching sometimes a width of 10 feet. The ore values diminished somewhat due partly to water and according to several opinions due to the fact, that the northern parallel vein which on the surface is about 250 feet away from the shaft, must be in a very close proximity to the 400 foot level. Crosscutting, to verify this theory was planned but abandoned, when in April, 1930, the metal market came practically to a standstill, and metal prices dropped so low that further operations had to be discontinued.

On the 400 foot level assay samples were also taken after every round of blasting, the total average value of the ores present are \$9.96 per ton. On the map the itemized values are noted and if the assay sheets of these samples are desired, same will be furnished.

As to the water in the Marconi Shaft, same has been tested at the University of Arizona and found absolutely perfect as for drinking and cooking purposes. There is plenty of water present to provide the mine with the necessary value for operation purposes. But there is not such a volume of water, that would or could obstruct or hinder any sort of future development work in the mine.

As to the ores, -- as stated above, -- lead and silver are the pre-dominants. The gangue and waste rock mineral associated with the ore is loose, easily broken and therefore causing no trouble at all if crushed for milling purposes. As to the tonnage of blocked out ore the conservative estimate is about 100,000 tons.

A mill has actually been contemplated upon, but this idea is given up for the time being on account of the uncertainty of present business conditions in general and the metal market situation in particular.

(Garvin Mine Report)

C O P Y
12-3-37

ASSAY SHEET MARCONI MINE

	Width of Vein	Date 1928	@20.67 Gold Oz.	@0.57 Silver Oz	@ 0.14 ¹ / ₂ Copper %	@0.61/10 Lead %	Zinc %	Total Value
Sample #55020 (Jacobs)		Jan 14		10.1	2.5	14.8		\$
Sample No. 1 Raise Top		Feb. 8	.21	6.5	.55	11.6		24.00
Winze No. 1		"	.08	3.4	.05	9.1		15.55
" " " 2		"	.22	4.9	.9	6.2		17.80
" " " 3		"	.08	4.1	1.15	5.15		13.80
" No. 1		18	.12	3.6	.35	10.1		18.05
15-7 Inches		22	.03	1.1	.15	7.3		10.75
" No. 1		Mar 2	.04	2.1	.03	6.9		11.25
" Winze 2-9-30		9	.02	1.8	.15	4.1		6.85
" No. 1		10	.04	3.2	1.25	19.3		29.90
" No. 2 Raise Pile		16	.02	2.8	.8	14.8		22.05
" Face Pile 161 ft in.		"	.01	1.1	.4	3.2		5.95
" No. 1		21	.1	7.1	14.2	8.8		57.05
" Raise Pile No. 2		24	.02	2.2	.5	7.1		11.60
" Face Pile 174 ft in		"	.03	3.6	1.05	7.6		14.80
" No. 1		Apr. 10	.08	5.2	.1	7.8		14.35
Drift 240 Ft #1		26	.02	3.2	.1	8.9	Iron 26%	11.43

2790 Bayside Walk
San Diego 8, Calif.
March 21, 1948

Mr. J. A. Mulcahy
Mulcahy Lumber Co.
Tucson, Arizona

Dear Jack:

I talked with Mr. Keller, Manager of the Western Machinery Company of Phoenix regarding renting equipment for the Marconi Mine. He says that he will rent us a complete outfit so the only things we will have to buy are rails and pipe.

In checking over my notes and the letter that I wrote to you I am convinced that the 400 Level was not driven far enough east to catch the high grade ore that was developed on the 300 Level. The vein cuts thru quartzites which are striking northerly and dipping easterly. The vein strikes east and west and is more or less vertical. The ore shoots, therefore, are liable to be guided by the dip of the quartzite so that any given ore shoot would move to the east with depth.

As soon as we get the report from Eagle Picher, I am sure that we will be ready to go ahead with the mine. I am going to write up a rough contract to send it to you and you can have your lawyer complete it.

With best regards,

Sincerely,



H. Gratten Lynch

Nogales, Ariz.
March 1, 1948

Mr. J. A. Mulcahy
Mulcahy Lumber Co.
Tucson, Arizona

Dear Jack:

I was unable to get away today so have worked up the information on the Marconi Mine so that you will be able to study it and have a better understanding when talking with your friends.

The enclosed sketch shows the ore as indicated by the blue print that Mrs. Hilsinger gave me. I have projected the ore 50 feet above and 50 feet below the levels and have obtained a tonnage of 12,260 tons having a gross value of \$388,968.00 or \$31.73 per ton.

As there are no metallurgical records it is impossible to say just what the recovery will be. However, this type of ore usually has an economic recovery of from 50% to 60%, that is, the mill losses, freight and smelter treatment usually run from 40% to 50% of the gross value. In this case we will assume a 50% loss and a recoverable value of \$15.86 per ton. If we figure the costs of \$10.00 per ton for mining and milling there will be a profit of \$5.86 per ton or \$71,843 from the ore in sight. From this, of course must come the property payment or \$18,500.00 which would leave a net of \$53,343.

Until the mine is unwatered and metallurgical tests made, it is impossible to guess just how close this estimate will be. A poor recovery would make the mine worthless. A better recovery might add a few dollars per ton. The Eagle Picher Company has a mill at Sahuarita and is looking for ore for custom milling. They will make the metallurgical tests free, but it might be desirable to make independent tests for submission to other ore purchasers.

In examining the enclosed sketch you will see that the 400 East Level has not been driven far enough to develop the shoot of good ore that was developed on the 300 Level East. If this ore shoot comes to the 400 Level, the tonnage will be increased another 5000 tons and the grade improved considerably.

I have not been to the property yet but will look at it when I return from Mexico. It seems to me that the following should be the approximate cost of unwatering and testing the mine:

<u>Unwatering</u>	
Legal	100.00
2 Men 60 days @ \$12.00	\$ 1440.00
Compensation and Ins.	250.00
Hoist	500.00
Pump and power (Rent)	2000.00
Assaying	150.00
	<u>\$4440.00</u>
<u>Testing</u>	
Compressor and tools (Rent)	600.00
Metallurgy	500.00
Engineering	400.00
Drift East 200' on 400 Level	4000.00
Total for inspection	<u>\$9940.00</u>

The drifting would not be done unless the sampling checked the reported ore but could be done while waiting for the metallurgical results. If the mine proved to be impossible after unwatering it would be written off at \$4,440.00. This is not much of a gamble to take.

I am assuming that the equipment can be rented. I believe that Western Machinery Company of Phoenix can supply everything needed except, perhaps a deep well pump but there should be pumps somewhere in the valley.

If it is decided to go ahead, the mining equipment necessary would cost about \$15,000 which would make a total investment of \$25,000. This would leave a profit of \$25,000 or more after paying for equipment, examination and property. Any new ore developed would be that much more.

It is seldom that a prospect has capital return plus profit blocked. I think that this property is worth further consideration.

As a comparison I am enclosing a copy of my latest letter to the associates of the Guatamo Mine in Sonora. We will ship two carloads of high grade this week and after they are paid for, the mine should pay current expenses and make a good profit when the mill is put in operation. Please keep the Guatamo letter and I will pick it up when I return.

Sincerely,

H. Grattan Lynch

H. Grattan Lynch

November 27, 1942

Mr. Albert Beck
4501 West 16th Place
Los Angeles, California

Subject: Marconia & Stump Mines

Dear Mr. Beck:

Your Reconstruction Finance Corporation loan applications on both the above properties were returned to the Phoenix Reconstruction Finance Corporation office on October 31. This Department is not notified as to the final decision relative to these applications and you, as the applicant, will probably receive notification direct from Washington at the same time the Phoenix Reconstruction Finance Corporation office receives it.

At certain intervals we check with the local office to determine what loans have been granted. We can therefore give you no data as to the status of your application.

Very truly yours

Earl F. Hastings
Assistant Director and
Projects Engineer

EFH:BA

Dept of Mineral Resources.
413 Home Bldg. Bldg.
Phoenix, Ariz.

Los Angeles, Calif. 11-25th. 42.

Gentlemen;

Attention Mr. Earl F. Hastings.

In regard to the application which was sent your
office in regard to loan on Marconia Mine, near Twin Butts
Ariz.

We have received no reply in regard to this loan.

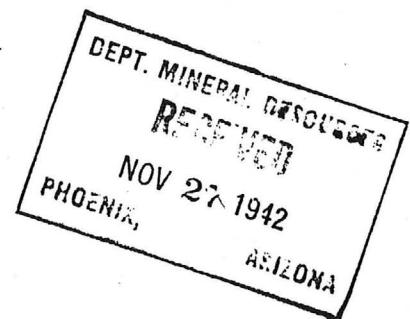
Please let me hear from your office if loan
has been accepted or rejected.

Yours very truly,

Southwest Mining Co. Inc.

by- Albert Beck - Pres.
Albert Beck.

4501 West 16th. Place.



MARCONIA

October 30, 1942

Twin Buttes

Earl F. Hastings

Reconstruction Finance Corporation
Preliminary Development Loan

Docket No.

C-ND-PHX 82

Date Application Received

October 27, 1942

Date of Report

October 30, 1942

1. Name and address of applicant (correspondent):
Albert Beck, President, Southwest Mining Co., Inc. 423 E. Carson Street,
Las Vegas, Nevada.
2. Character of project and estimated cost thereof:
Unwater and repair shaft and lateral workings to and including the 400 foot
level to make accessible copper-lead-zinc ores, \$5,000.00.
3. Location of property:
Twin Buttes Mining District, Pima County, Arizona.
4. Applicant's interest in or ownership of property:
Applicant holds lease at 10% royalty with option to purchase.
5. Loan Requested:
\$5,000.00
6. Loan Recommended:
None
7. Comments:
(A) The application is poorly prepared, it being vague in most instances and
contradictory in others: (1) The assay map declares a scale of 1"=40', but sample
locations do not agree with location described on assay sheet #1. (2) Widths of
samples on assay sheet #2 are not given and the samples cannot be located in
reference to the map, this exhibit is therefore of little use in the evaluation
of the property. (3) The Gavin report appears unreliable as to ore widths as
compared to the assay sheet; and such phases as the geological description leads
one to believe the author is not particularly well informed.

(B) The "conservative" estimate of 100,000 tons blocked in the Gavin report is
not indicated by the facts presented. Between the 200 and 400 east levels there
appears to be approximately 6,250 tons of ore blocked according to sampling.
This can possibly be increased by inclusion of a block closer to the shaft,
enlarging Blocks "A" and "B" westerly. This section is not thoroughly sampled,
however, and the width of ore is considerably narrower. From the 200 level up,
above Block "A" there is some possible ore, however, it will be noted that the
200 level dollar value assays amount to only 2/3 of those on the 300 foot level.

Claim Map & Assay Sheet - map cabinet Sec. 5

October 30, 1942

Metallic distribution and width of sampling of this possible ore is not known. It appears unlikely that much tonnage is available above the 200 as it is acknowledged that no commercial ore was in evidence until the 100 foot level was reached in sinking; and this showing must not have been too enticing as no drifting was done and the area by-passed for development below. The area outlined in Blocks "A" and "B" can therefore be presumed to include by far the greatest percentage of available ore east of the shaft, and the possibilities above referred to would not materially increase the tonnage estimated.

The area west of the shaft apparently has no definite commercial ore. Special samples of narrow ore above the 300 foot level indicate possibilities of small amounts of high grade ore, but lack of sampling above on the 200 foot level indicate that it does not appear on that level and sampling on the 400 foot definitely discounts its downward extension.

In short, but a small fraction of the applicant's estimated 100,000 tons of blocked ore appears in evidence.

(C) Numerical tabulation of data on amount and grade of ore is:

Level	Length	Width	Au.	Ag.	Cu.	Pb.	Zn.	Tons
400E	103 ft.	4.34 ft.	.044	3.2	0.81	2.51	2.52	3,250
400W	52 ft.	4.55 ft.	.027	-	0.44	1.0	1.81	-
300E (90 to 264)	174 ft.	3.26 ft.	.029	2.68	0.25	4.8	3.68	3,000
300W #2 (80 to 175)	95 ft.	3.92 ft.	.015	0.69	0.16	0.86	0.96	-
300W #1	80 ft.	Only special samples reported.						-

(D) The grade and complexity of the ore prohibits direct shipment; in sufficient quantity it would be of milling grade if amenable to beneficiation.

(E) Notations in silver on map are those of the writer.

ARIZONA DEPARTMENT OF MINERAL RESOURCES

Earl F. Hastings
Assistant Director &
Projects Engineer

Jfe.

Marconi Mine
Twin Buttes Arizona
Scale 1 in = 40 Ft

