

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

The following file is part of the

Arizona Department of Mines and Mineral Resources Mining Collection

ACCESS STATEMENT

These digitized collections are accessible for purposes of education and research. We have indicated what we know about copyright and rights of privacy, publicity, or trademark. Due to the nature of archival collections, we are not always able to identify this information. We are eager to hear from any rights owners, so that we may obtain accurate information. Upon request, we will remove material from public view while we address a rights issue.

CONSTRAINTS STATEMENT

The Arizona Geological Survey does not claim to control all rights for all materials in its collection. These rights include, but are not limited to: copyright, privacy rights, and cultural protection rights. The User hereby assumes all responsibility for obtaining any rights to use the material in excess of "fair use."

The Survey makes no intellectual property claims to the products created by individual authors in the manuscript collections, except when the author deeded those rights to the Survey or when those authors were employed by the State of Arizona and created intellectual products as a function of their official duties. The Survey does maintain property rights to the physical and digital representations of the works.

QUALITY STATEMENT

The Arizona Geological Survey is not responsible for the accuracy of the records, information, or opinions that may be contained in the files. The Survey collects, catalogs, and archives data on mineral properties regardless of its views of the veracity or accuracy of those data.

PRINTED: 08/16/2002

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES AZMILS DATA

PRIMARY NAME: SUE MINE

ALTERNATE NAMES:

SUE MANGANESE

LA PAZ COUNTY MILS NUMBER: 39

LOCATION: TOWNSHIP 10 N RANGE 19 W SECTION 23 QUARTER SW LATITUDE: N 34DEG 11MIN 36SEC LONGITUDE: W 114DEG 12MIN 40SEC

TOPO MAP NAME: BLACK PEAK - 15 MIN

CURRENT STATUS: PAST PRODUCER

COMMODITY:

COPPER OXIDE COPPER SULFIDE GOLD LODE SILVER MANGANESE

BIBLIOGRAPHY:

KEITH, S.B., 1978, AZBM BULL. 192, P. 143 ADMMR SUE MINE FILE AZBM BULL 137, P 127 USBM "U" FILE Mn-09 GJBX-213(82) P 82 SUE MINE

YUMA COUNTY

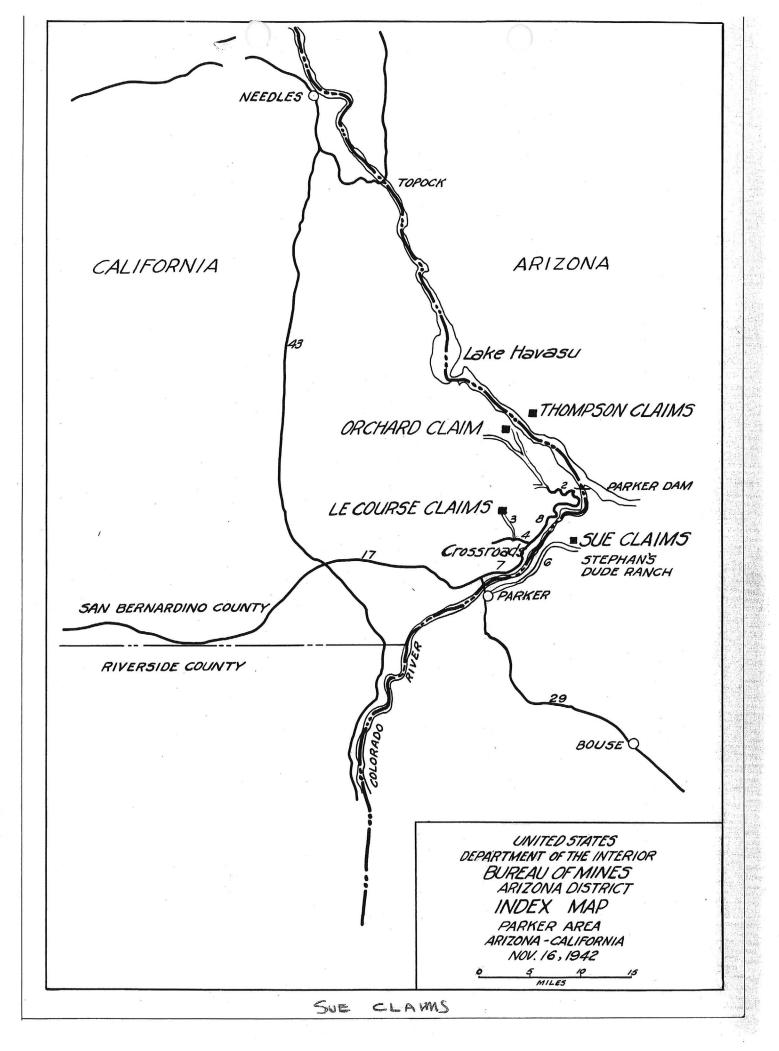
ABM Bull. #137 p127

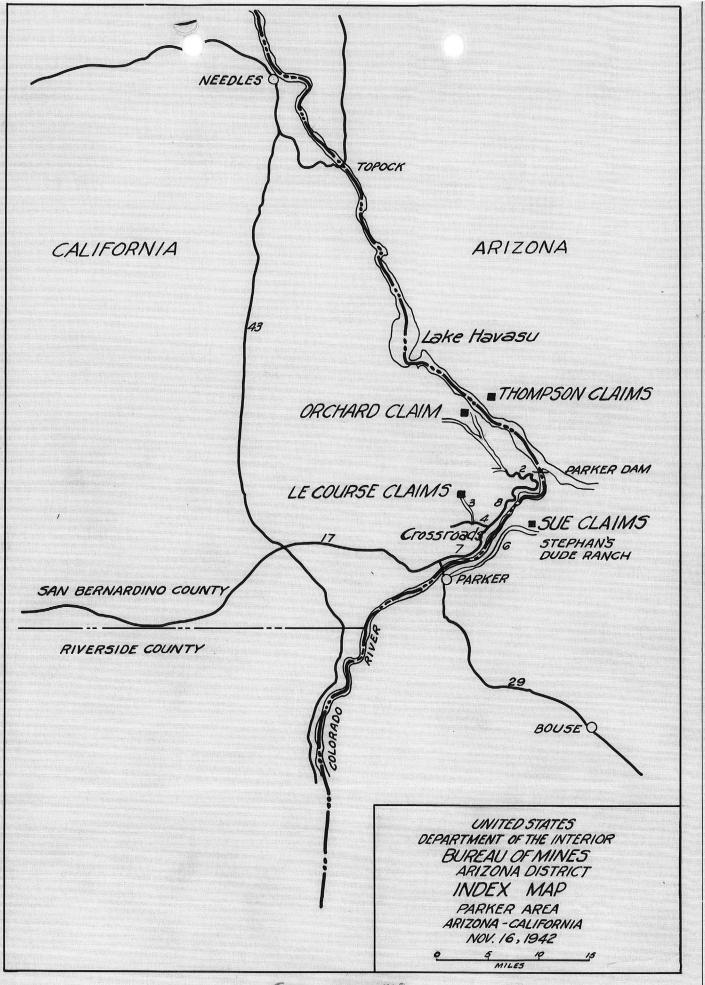
See: Sue Mangauere "U' file

BG&MT Bulletin 192 page 143

MILS Sheet sequence number 0040270383

GJBX-213(82) Pg. 82, "Geology and Mineral Resources of the Los Angeles, Needles, Salton Sea, San Bernardino, and Trona 1 x 2 NTMX Quadrangles. See:





SUE CLAWS

SUE MINE

YUMA COUNTY CIENEGA DIST.

Conference with Harry Osborne 10/14/65 at Parker

The Sue property consists of 1 patented claim and 6 unpatented ones, now controlled by Harry Osborne. It was once owned by Billy Mack who located it in 1927. It is now submerged up to 105 feet below the surface. According to Harry Osborne, the Sue ore ran well in Silica. Some of the ore was shipped to Ajo and some to Hayden and all of it was closely sorted. The Sloans apparently held the mine from 1930 to 1935.

MEMO LAS 10/14/65

Interview with Harry Osborne at Parker 2/10/66

Mr. Osborne said that Leonard Baum, consultant of Vancouver, B. C. and Blanding, Utah, planned to examine the mine with the view of drilling. He reportedly represents McFarland and Hullinger. Bear Creek engineers also expressed some interest.

MEMO LAS 2/10/66

RRB WR 10/24/80: Steve Tessier, 952-1414, reports that he has purchased the Sue Mine near Parker in Yuma County for recreation property. He wants to get the property evaluated as a mining property. I suggested that he hire a consultant.

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA

FIELD ENGINEERS REPORT

Mine SUE MINE

Date October 17, 1957

District

Cienega Dist., Yuma County

Engineer Frank P. Knight

Subject:

Visit to mine.

Visited October 10th with Mrs. Clara Botzum, sister of owner,
Harry Osborne. A little work had been done with a bulldozer on a
low grade manganese showing which appeared to be controlled by a
rather weak fracturing. Examination, although brief, indicated
relatively small tonnage.

F. Knight

YUMA COUNTY CIENEGA DIST.

SUE MINE

Visited Harry Osborne in Parker. He said that he and Clara Botzum were doing some work at the Sue mine.

TRAVIS P. LANE - WR - 4-22-60

Interviewed Harry Osborne also Clara Botzum. They report that a Mr. Jocelyn of Denver has taken an option on their properties (Sue, Mammon, Rico and Rio Vista) and will explore by drilling.

TRAVIS P. LANE - Weekly Report - 10-15-60

Nov. 28, Don D. Joslyn, 8799 W. Colfax, Denver 15, Colorado, visited re the Osborne properties - Rio Vista, Sue, etc. near Yuma. He and associates are planning to develop the properties.

TRAVIS P. LANE - Weekly Report - 12-3-60

Interviewed Harry Osborne who said that his and Clara's properties— the Sue: Rio Vista, Hammon and Rige - were under lease and option to Anaconda Lead and Silver Mining Co. of Denver, Donald Joslin, Pres. A geologic study and economic swaluation are being made. Diamond drilling is planned. Mr. Osborne also said his iron properties in the Swansea-Planet area - the Dome, El Molino and Mineral Zone - were under lease to Alaxander Preston who hopes to ship to Japan.

TRAVIS P. LANE - Weekly Report - 2-18-61

June 14, 1963 - Visited the Sue Mine where considerable work has been done recently, but no activity at time of visit. Sign on the head frame says property of the Arizona Health & Wealth Club. - WR - EGW

DEPARTMENT OF MINERAL RESOURCES

STATE OF ARIZONA

FIELD ENGINEERS REPORT

Mine

Sue & Rico

Date

October 29, 1958

District

Cieneja District, Yuma County

Travis P. Lane

Subject:

Mine activity

Owners: Mrs. Clara Botzum and her brother Harry Osborne own the Sue Mine; Harry Osborne owns the Rico Mine. They reside in Parker.

Operator: Arnev, Inc.

Box 2013

Parker, Arizona

The shareholders of the corporation are: Evan Stephenson, President; Leland Tidwell, and Fred Law. Mr. Law directs the operation. This group formerly operated as the S. T. L. partnership.

The Sue property comprising 7 unpatented claims is located 6 miles NE of Parker and the Rico property, also 7 unpatented claims, is east of the Sue and about 8 miles NE of Parker. The Rico, formerly known as the "Lion Hill," is interesting for gold and copper values, as well as mangahese. The vein width ranges from a few feet to a maximum of 30'.

The shareholders noted above, are all three performing development work at the properties. They propose to rehabilitate the small Osborne mill on the Colorado River, some 5 miles above the properties, to pilot test the ore with a view to installing a 200 TPD dry concentrator for the manganese ore; also to test gold ore.

DEPARTMENT OF MINERAL RESOURCES STATE OF ARIZONA HOLF COPY FIELD ENGINEERS REPORT

Mine J SIJE MINE

Date

May 25, 1942.

District Clenega Dist., Yuma County.

Engineer

Elgin B. Holt.

Subject: Manganogo

Manganese Survey.

OMNER: H. M. Osborne, Parker, Arizona.

METALS: Manganese and gold-copper.

AREA AND LOCATION: Seven claims, located six miles northeast of Parker, Arizona and one mile east of Colorado River.

VEINS & TYPES OF ORES: Both manganese deposits and veins carrygold and copper values are found within the Sue group of claims;
as black oxides of that metal
the manganese occurring separate from the gold-copper veins. Main
gold-copper vein is opened by a 110-foot inclined shaft with around
1,000 feet of drifting on vein which is from four to ten feet
wide.

OPERATIONS PLANNED on gold-copper vein: sink 110-foot inclined shaft 200 feet deeper in order to hunt for sulphide ores, as present ores consist of oxidized material; then drift each way on vein to ends of ore shoot.

operations planned on the unexplored manganese deposit: drive tunnel at least 100 feet in length directly on the manganese ore occurring at foot of hill, following the main fault zone in a northeasterly direction. This would open up the deposit for sampling. Also a number of test pits should be sunk on the said deposit which outcrops for around 200 feet in length.

TOPOGRAPHY: This group of claims covers an area of moderate relief marked by ridges and isolated peaks, bordering the Golorado River on the east.

MINE WORKINGS: As stated, the main gold-copper vein is opened by a 110-foot inclined shaft with around 1,000 feet of drifting on vein which is from four to ten feet wide. Also there are several pits, tunnels and reises on vein, as well as underground stopes. Shaft is in good condition and ready to use. This vein was worked by Billy Mack during the 1890's, who erected a 5-stamp mill one mile from property on the east bank of the Colorado River. Gensiderable ore was milled and better grade ores were shipped to smelters at variotous periods.

rein referred to, mainly by sinking the shaft to the level of the Colorado River, where water should be found, that an abundance of sulphide ore carrying gold and copper values will be found, out of which considerable money should be made. Also, it is well to mention here that the level of the Colorado River has an elevation above sea level approximating 300 feet below the collar of the main shaft on the vein mentioned above.

ore: Positive & Probable: Gold-copper vein: No ore blocked out; but considerable are has been shipped assaying \$32.00 per ton in gold and copper. Manganese deposit: though undeveloped, this deposit has a width of around 20 feet at the point where it is now opened by a test pit. Hence, a considerable tonnage of low grade are should be uncovered by the work herein recommended. Hand samples of this are assays from 9.8% to 34.6% manganese. The writer cut two samples, as follows: Sample No. 1, 18 feet, the same assaying 7.2% manganese; and Sample No. 2, 8 feet, assaying 7.04% manganese. These samples, however, consisted of fair grade are mixed with country rock, and it is believed further work will result in exposing better grade are.

GEOLOGY: The rocks in the vicinity consist of Tertiary andesite, limestone, shale and congloserates, with which bands of sandstone are found; basal rocks being granite-gneiss complex of probable pre-Cambrian age. The manganese deposit is contained in sheared andesite rocks along a mineralized fault zone, striking northeast and dipping to the southeast at an angle of from 20 to 30 degrees from the horizontal.

MOAD: Property is reached by a good dirt road leading from Parker to property, a distance of six miles, five miles of which is county maintained.

WATER: Ample water may be secure for mining, milling and domestic purposes by applying to the Arizona Water Commission to use water from the Colorado River, which passes within one mile of property.

REMARKS: It is believed when and if the said manganese deposit is opened up that a considerable tonnage of ore will be exposed assaying between 7 and 20 per cent manganese, or in other words, the grade of this ore should be high enough so that it could be marketed profitably should a custom manganese mill, of goodly capacity, be erected in the Parker area.

capital Requirements: It would take around \$20,000 to develop the said manganese deposit, including mining machinery, tools, power showel, ore bins, etc., to put mine in shape to produce steady tonnage of low grade milling ore; the amount of tonnage not being now possible to estimate. Mine could be started immediately by using open pit method and using a power showel for loading into trucks. Further exploratory work, however, will be necessary in order to determine value and importance of this property.

FIVE ARIZONA MINES REACTIVATED

Pevelopment of copper-gold mines in the Cienega Mining District mear Parker, Arizona, has been started by the Associated Mining Company. It has taken long-term leases on the Rio Vista, Billy Mack, Sue, Capilano, Mammon and Lion Hill mines, owned by the Osborne family of Parker and comprised of some 50 claims. The properties will be consolidated into one large operation directed by A.P.Lofquist, mining engineer. A.C.Burger of St. Louis, Missouri, heads Associated. The initial development work will be concentrated on the Rio Vista and Lion Hill Mines. The picture (which was just above this write-up on the page) shows the mill building at the Rio Vista, which is the key property in the group. The building is capable of housing a 300-ton plant. Unwatering of the 287-foot double compartment shaft at the Rio Vista South mine has started, the headframe is being rebuilt, and the shaft repaired and retimbered. New cages, pump, ventilating equipment and air lines will be installed in the shaft and then exploration by core drilling on the 250 level will begin.

A new change room is to be constructed and all mine buildings will be modernized with cooling systems and other accommodations, as this camp will be headquarters for all of the company's operations in the district. At the Rio Vista North the 244-foot incline will be extended. At the Lion Hill mine the main adit is to be continued for about 600 feet with several hundred feet of drifts and cross-cuts. At the capilano additional development work will be done in the 90-foot vertical shaft. At the Sue a new double-compartment shaft will be sunk to avoid flood waters in the old workings. At the Mammon core drilling is planned. A large quantity of machinery already has been moved to the camp; road building and power line installation are under way. These old mines once were good producers and the Rio Vista particularly has quite a history. However, there has been little activity in them since the beginning of the last war.

DEPARTMENT OF MINERAL RESOURCES STATE OF ARIZONA OWNERS MINE REPORT

Date

April, 1940

Mine S

Sue Mine

Mining District & County - Cienega Dist.

Yuma County

Location - About 5 miles northeast of Parker, Arizona.

Former Name

Owner - H. M. Osborne

Cporator - D. W. Wray

Address - No. 16 Second St. Yuma, Arizona

Address - Parker, Arizona

Fresident

Mine Supt.

Mill Supt.

Gen. Mgr.

Principal Metals - Gold and Copper

Men Employed - Eight

Production Rate

Mill: Type & Cap.

Power: Amt. & Type.

Operations: Present - Developing on 50 and 100 ft. level, and shipping.

First shipment going out end of April.

Operations Planned

Number Claims, Title, etc. - The Sue Mine Group consists of 4 lode mining claims.

Purchased by H. M. Osborne from Mrs. Wm. Mack, widow of
the well known pioneer mining man of the Parker district.

Held by location and annual assessment work in accordance
with State and United States Laws. Has been surveyed
for patent.

Description: Topography & Geography - Located in the west foothills of the Planet
Range of Mts. The prevailing country rock is an andesite
fissure flow having a generally east-west strike. The deposit
which is of general type of this area occurs within a '
breciated zone that strikes N. 25 degrees W and dips about
80 degrees SW.

Mine Workings: Amt. & Condition - Main 100 ft. shaft single compartment w/manway has about 400 ft, of drifts, crosscuts and up-raise work. 100 ft. vertical shaft is located 400 ft. SW of main shaft. Property further developed with about 600 ft. of tunnels, crosscuts, stopes and surface workings. All workings accessible.

Geology & Mineralization - Main vein is from 2 to 4 ft. wide upon surface and averaging about 6 ft. in width at bottom of main 100 ft. shaft. Vein is a mineralized channel developed from shearing in the andesite. Evidences of ore and post mineral movement in vein are numerous, the development of slickensided clay gouges and other altermation products is quite extensive. This condition has permitted thorough infiltration of the gangue material by siliceous solutions carrying gold values and has resulted in quite uniform mineralization with very small veins of very rich ore - the whole making a very attractive product.

Ore: Positive & Probable, Ore Dumps, Tailings - Ore recently shipped ran \$44 per ton in gold and copper.

Vein Width, Length, Value, etc.

Mine, Mill Equipment & Flow Sheet - Hoist and compressor, and small equipment.

No mill equipment.

Road Conditions, Route - Very good road to mine from Parker,

Water Supply - Water developed on property and mine is located about one-quarter mile from Colorado River.

Brief History - The Sue Mine has been worked intermittently since the sixties and has produced some rich ore. This property played a colorful part of the frontier history of this district while owned by well known Billy Mack.

Special Problems, Reports Filed

Remarks - This property has a good reputation and with the proper operation and management should develop into a good producer.

If property for sale: Price, terms and address to negotiate - For sale or lease.

Write owner

MEMORANDUM

SUE MANGANESE MINE

To:

Elgin B. Holt, c/o L. V. Root

From:

J. S. Coupal

The samples on the Sue mine were submitted, and I am sending your assay certificate to you, and one to Clara Botzum. You will note No. 1 ran 7.2 manganese, and No. 2, 7.04.

cc to Clara Botzum

May 20,1942.

413 Home Builders Building. Phoenix, Ariz

Arizona Testing Laboratories Claude E. McLean 823 E. Van Buren Phoenix, Arizona.

DearMr. McLean:-

I am leaving two samples of manganese ore to be assayed.

Please bill the Department once a month, and preferably on the 25th of each month on assays sent.

This particular sample or rathere samples are to be run for Manganese. They are from the Sue Mine, Parker District.

Very truly yours,

J. S. Coupal. Director.

TELEPHONE 3-6272

ARI

ONA TESTING LABORA'
ANALYTICAL AND CONSULTING CHEMISTS
ASSAYERS, MINING ENGINEERS 823 EAST VAN BUREN STREET

ASSAY CERTIFICATE

		PHOENIX, ARIZONA 1884 26, 1942
KA	DEPT. OF MINERAL RESOURCES	
IAI_	DEPT. OF MINERAL RESOURCES	9

			ix, A			DI DE DECE		- 					
	WE H	AVE A	(SSAYE)	DIHE	SAMI			OM YOU AN		IE RESULT	S AS FOLL	-OWS:	
LAB. I	FORM 2							PER					
LAB. NO.	B. NO. SAMPLE				GO	LD	SILVER		PERCENTAGES				
					Oz. PER TON	VALUE	Oz. PER TON	VALUE	COPPER	LEAD	Manganes		
43157	#1	Sue	Mang	enes	e mi	ne				-			7.20%
431 58		11		11	1	•		·					7.04%
												_	
								1					
:											THE STATE OF THE S	NEW MARKET	
		***************************************									STEPT	DASS	
		3				,	i i				STEPT	EE	S. S. C.
											S CLAUS		To the second se
											Mele		
			-								10EC 31	19 42	
											TRIZONA	TS. F	1
								RES		Y SUBMYT	TED,	Office State of the Local Division in the Lo	
				· v					ARIZO	NA TEST	NG LAB	ORATOR	ES
CHARGES \$ 3.00 BY Claude E. McLean Assayer													
									AYER				

DEPARTMENT OF MINERAL RESOURCES STATE OF ARIZONA Holf Copy FIELD ENGINEERS REPORT

Mine WINE MINE

Date May 25, 1942.

District Clenega Dist. Yuma County.

Engineer Flan B. Holt.

Subject: Manganose Survey.

OWNER: Y H. M. Oeborne, Parker, Arizona.

METALS: Manganese and gold-copper.

AREA AND LOCATION: Seven claims, located six miles northeast of Parker, Arizona and one mile east of Coloredo River.

VEINS & TYPES OF ORES: Both manganese deposits and veins carrygold and copper values are found within the Sue group of claims;
as black oxides of that metal
the manganese occurring, separate from the gold-copper veins. Main
gold-copper vein is opened by a 110-foot inclined shaft with around
1,000 feet of drifting on vein which is from four to ten feet
wide.

OPERATIONS PLANNED on gold-copper vein: sink 110-foot inclined shaft 200 feet deeper in order to hunt for sulphide ores, as present ores consist of oxidized material; then drift each way on vein to ends of ore aboot.

OPERATIONS FLANNED on the unexplored manganese deposit: drive tunnel at least 100 feet in length directly on the manganese ore occurring at foot of hill, following the main fault zone in a northeasterly direction. This would open up the deposit for sampling. Also a number of test pits should be aunk on the said deposit which outcrops for around 200 feet in length.

TOPOGRAPHY: This group of claims covers an area of moderate re-

lief marked by ridges and isolated peaks, bordering the Colorado River on the east.

MINE WORKINGS: As stated, the main gold-copper vein is epened by a 110-foot inclined shaft with around 1,000 feet of drifting on vein which is from four to ten feet wide. Also there are several pits, tunnels and raises on vein, as well as underground stopes. Shaft is in good condition and ready to use. This vein was worked by Billy Mack during the 1890's, who erected a 5-stamp mill one mile from property on the east bank of the Golorado River. Considerable ore was milled and better grade ores were shipped to smelters at various periods.

It is believed if money could be found to develop the gald-copper vein referred to, mainly by sinking the shaft to the level of the Coloredo River, where water should be found, that an abundance of sulphide ore carrying gold and copper values will be found, out of which considerable money should be made. Also, it is well to mention here that the level of the Coloredo River has an elevation above sea level approximating 300 feet below the collar of the main shaft on the vein mentioned above.

ORE: POSITIVE & FROMABLE: Gold-copper vein: No ore blocked out; but considerable are has been shipped assaying \$32.00 per ton in gold and copper. Manganese deposit: though undeveloped, this deposit has a width of around 20 feet at the point where it is now opened by a test pit. Hence, a considerable tonnage of low grade ore should be uncovered by the work herein recommended. Hand samples of this ore assays from 9.8% to 34.6% manganese. The writer cut two samples, as follows: Sample No. 1, 18 feet, the same assaying 7.2% manganese; and Sample No. 2, 8 feet, assaying 7.04% manganese. These samples, however, consisted of fair grade ore mixed with country rock, and it is believed further work will result in exposing better grade ore.

GEOLOGY: The rocks in the vicinity consist of Tertiary andesite, limestone, shale and congloserates, with which bands of sandstone are found; basal rocks being granite-gneiss complex of probable pre-Cambrian age. The manganese deposit is contained in sheared andesite rocks along a mineralized fault zone, striking northeast and dipping to the southeast at an angle of from 20 to 30 degrees from the horizontal.

ROAD: Property is reached by a good dirt road leading from Parker to property, a distance of six miles, five miles of which is county maintained.

WATER: Ample water may be secure for mining, milling and domestic purposes by applying to the Arizona Water Commission to use water from the Colorado River, which passes within one mile of property.

REMARKS: It is believed when and if the said manganese deposit is opened up that a considerable tonnage of ore will be exposed assaying between 7 and 20 per cent manganese, or in other words, the grade of this ore should be high enough so that it could be marketed profitably should a custom manganese mill, of goodly capacity, be erected in the Parker area.

CAPITAL REQUIREMENTS: It would take around \$20,000 to develop the said manganese deposit, including mining machinery, tools, power shovel, ore bins, etc., to put mine in shape to produce steady tonnage of low grade milling ore; the amount of tonnage not being now possible to estimate. Mine could be started immediately by using open pit method and using a power shovel for loading into trucks. Further exploratory work, however, will be necessary in order to determine value and importance of this property.

DEPARTMENT OF MINERAL RESOURCES

STATE OF ARIZONA

FIELD ENGINEERS REPORT

Mine

SUE MINE

Date October 17, 1957

District

Cienega Dist., Yuma County

Engineer Frank P. Knight

Subject:

Visit to mine.

Visited October 10th with Mrs. Clara Botzum, sister of owner,
Harry Osborne. A little work had been done with a bulkdozer on a
low grade manganese showing which appeared to be controlled by a
rather weak fracturing. Examination, although brief, indicated
relatively small tonnage.

DEPARTMENT OF MINE	ER/ RESOURCES
News Items	,
Date	4/28/40
Mine SUE MINE	
Location 6 MILES /	V.E-PARKER
Owner HARRY M. C	SBORN FOR SOLE WAY
	R. ARIL
Operating Co. LEASE & Bo	NO TO
Address D.C. WRAY	- PARKER.
	March Mayac
Pres. HAVE MADE	= 15 SHIPMENT
Genl. Mgr. OF / CAR	- 125 00 ORE.
Mine Supt.	<i>j</i> .
Mill Supt.	
Principal Metals 9000.	
Men Employed	
Production Rate	en e
Mill, Type & Capacity	
	and the second of the second o
Power, Amt. & Type	
Signed V	TE.
(Over)	

_-18-40.

Mr. J.S. Coupal Delf Deht of Mineral Besources, Phoenix - arizona.

My Dear Mr. Coupal: Replying to yours of the 1/th wish to say that the Ine Mine is ofun for furchase or lease. Some the sole owner now of same and would like to interest someone that would earny on development.

are shipped recently ran better than fourtyfour dollars a ton in gold + copper - this ore was mined from the fifty + Hundred food levels also from surface cuts.

This property will stand rigid investigation and as I said before will deal with anyme that can carry on development

Thanking for your interest and hoping you can find parties to handle I am

yours very Truly H.M. asborne #16 - 2 nd At. Mina ais

FIVE ARIZONA MINES REACTIVATED

Pevelopment of copper-gold mines in the Cienega Mining District mear Parker, Arizona, has been started by the Associated Mining Company. It has taken long-term leases on the Rio Vista, Billy Mack, Sue, Capilano, Mammon and Lion Hill mines, owned by the Osborne family of Parker and comprised of some 50 claims. The properties will be consolidated into one large operation directed by A.P.Lofquist, mining engineer. A.C.Burger of St. Louis, Missouri, heads Associated. The initial development work will be concentrated on the Rio Vista and Lion Hill Mines. The picture (which was just above this write-up on the page) shows the mill building at the Rio Vista, which is the key property in the group. The building is capable of housing a 300-ton plant. Unwatering of the 287-foot double compartment shaft at the Rio Vista South mine has started, the headframe is being rebuilt, and the shaft repaired and retimbered. New cages, pump, ventilating equipment and air lines will be installed in the shaft and then exploration by core drilling on the 250 level will begin.

A new change room is to be constructed and all mine buildings will be modernized with cooling systems and other accommodations, as this camp will be headquarters for all of the company's operations in the district. At the Rio Vista North the 244-foot incline will be extended. At the Lion Hill mine the main adit is to be continued for about 600 feet with several hundred feet of drifts and cross-cuts. At the capilano additional development work will be done in the 90-foot vertical shaft. At the Sue a new double-compartment shaft will be sunk to avoid flood waters in the old workings. At the Mammon core drilling is planned. A large quantity of machinery already has been moved to the camp; road building and power line installation are under way. These old mines once were good producers and the Rio Vista particularly has quite a history. However, there has been little activity in them since the beginning of the last war.

MEMORANDUM

SUE MANGANESE MINE

To:

Elgin B. Holt, c/o L. V. Root

From:

J. S. Coupal

The samples on the Sue mine were submitted, and I am sending your assay certificate to you, and one to Clara Botzum. You will note No. 1 ran 7.2 manganese, and No. 2, 7.04.

cc to Clara Botzum

May 20,1942.

413 Home Builders Building. Phoenix, Ariz

Arizona Testing Laboratories Claude E. McLean 823 E. Van Buren Phoenix, Arizona.

DearMr. McLean:-

I am leaving two samples of manganese ore to be assayed.

Please bill the Department once a month, and preferably on the 25th of each month an assays sent.

This particular sample or rathere samples are to be run for Manganese. They are from the Sue Mine, Parker District.

Very truly yours,

J. S. Coupal. Director.

CHARGES \$ 3.00

ARI DNA TESTING LABORA' ORIES

ANALYTICAL AND CONSULTING CHEMISTS
ASSAYERS, MINING ENGINEERS

823 EAST VAN BUREN STREET

PER OUNCE.

ASSAY CERTIFICATE

PHOENIX.	ARIZONA	May	22.	1942
		- 0	-	

M DEPT. OF MINERAL RESOURCES

Phoenix, Arizona

WE HAVE ASSAYED THE SAMPLES RECEIVED FROM YOU AND FIND THE RESULTS AS FOLLOWS:

GOLD FIGURED AT \$_

LAB. FORM 2 SILVER FIGURED AT \$___ PER OUNCE. GOLD **PERCENTAGES** SILVER LAB. NO. SAMPLE OZ. PER TON VALUE Oz. PER TON COPPER Manganese 7.20% 43157 #1 Sue Manganese mine 7.04% 43158 CLAUDE E. MCLEAN

RESPECTFULLY SUBMITTED.

ARIZONA TESTING LABORATORIES

BY____

ASSAYER

Claude E. McLean

DEPARTMENT OF MINERAL RESOURCES

STATE OF ARIZONA

FIELD ENGINEERS REPORT

Mine

SUE MINE

Date October 17, 1957

District

Cienega Dist., Yuma County

Engineer Frank P. Knight

Subject:

Visit to mine.

Visited October 10th with Mrs. Glara Botsum, sister of owner, Harry Osborne. A little work had been done with a bulkdozer on a low grade manganese showing which appeared to be controlled by a rather weak fracturing. Examination, although brief, indicated relatively small tonnage.

DEPARTMENT OF MINERAL RESOURCES STATE OF ARIZONA

OWNERS MINE REPORT

Date

1. Mine Sue Mine

2. Mining District & County Cienega Mining District 4. Location About five miles nrotheast

. Jasariupo ilema una , resserrato bus de

Parker, Arizona

3. Former name

5. Owner H. M. Osborne

7. Operator D. W. Wray

9. President

11. Mine Supt.

13. Principal Metals Gold and copper

15. Production Rate

6. Address (Owner) No. 16 Second Street Yuma, Arizona

to Road Conditions, Ros

The additional sheets it accounts

8. Address (Operator) Parker, Arizona

10. Gen. Mgr.

12. Mill Supt.

14. Men Employed 8

16. Mill: Type & Cap.

afie from Coloredo Etver.

17. Power: Amt. & Type

18. Operations: Present Developing on 50 and 100 ft. level, and shipping. First shipment going out end of April.

and has ablitic our source vitasithmental bedrow meet and onthe sur our produced some rich ore. This reporty played a colorial part of the remed or history of this district while camed by work movem Billy Medic

recrease-and lines because is a sick one votingers no beginned as a light with NI

19. Operations Planned

20. Number Claims, Title, etc. The Sue Mine Group consists of four lode mining claims. Purchased by H. M. Osborne from Mrs. Wm. Mack, widow of the well known pioneer mining man of the Parker district. Held by location and annual assessment work in accordance with State and United States Laws. Has been surveyed for patent.

- This property has a good reputation and with the proper operation and 21. Description: Topography & Geography Located in the west foothills of the Planet Range of Mts. The prevailing country rock is an andesite fissure flow having a generally east-west strike. The deposit which is of the general type of this area occurs within a brecciated zone that strikes N. 25 degrees W and dips about 80 degrees SW. .accol to Man
- 22. Mine Workings: Amt. & Condition Main 100 foot shaft single compartment w/manway has about 400 feet of drifts, crosscuts and up-raise work. 100 feet vertical shaft is located 400 feet S. W. of main shaft. Property further developed with about 600 feet of tunnels, crosscuts, stopes and surface workings. All workings accessible.

l'inc. terms and address to negatiate

in is from 2 to 4 feet wide u urface and averaging about Mai 23. Geology & Mineralization 6 feet in width at bottom of main 100 a . shaft. Vein is a mineralized channel developed from shearing inthe andesite. Evidences of ore and post mineral movement in vein are numerous, the development of slickensided clay gouges and other alteration products is quite extensive. This condition has permitted thorough infiltration of the gangue material by siliceous solutions carrying gold values and has resulted in quite uniform mineralization with very small veins of very rich ore - the 24. Ore: Positive & Probable, Ore Dumps, Tailings (whole making a very attractive product. (whole making a very attractive product. Ore recently shipped ran \$44 per ton in gold and copper. Control Control 24-A Vein Width, Length, Value, etc. Servedas W. C. Serves C. facett begones at toll countly esoble to Turn, art rema anostra (ceres (senergo) saunta M Trul W. Wishell V 25. Mine, Mill Equipment & Flow Sheet Hoist and compressor, and small equipment. TOUR WARM IT No mill equipment.

26. Road Conditions, Route Very good road to mine from Parker

27. Water Supply Water developed on property and mine is located about one-quarter mile from Colorado River.

in Commission Court Court Day of DO and Tio it. level, and shipping the all the and anti-

.iltua lo bue tuo milea

28. Brief History

The Sue Mine has been worked intermittently since the sixties and has produced some rich ore. This property played a colorful part of the frontier history of this district while owned by well known Billy Mack.

29. Special Problems, Reports Filed

30. Remarks This property has a good reputation and with the proper operation and management should develop into a good producer.

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

For sale or lease, write owner

Townson Merch Gold and copyect

17. Power Ame & Type

19. Operations Planned

32. Signed H. M. Osborne

400 feet of Oritus, eroseeuts and up-raise work. 100 feet work verties about 12 located 400 feet S. V. of welk sacts. Fruperby

well answer Henger wining wen of the Perser district. Held by

of fet. The provabiling commony room is an andobica fiscults files.

Laving a generally east-west atribe. The deposit which is of the
general type of this area common within a breeclated room that

. Justan Tol Detevine meed asH . and sectof bestill has

DEPARTMENT OF MINERAL RESJURCES is a winterelized changed development of the the acceptance of arizona

vals behinds the to them of even cowners mine reportal the mevon farents tong the

Date April, 1940 14. One Poster & Probably On Durgos, Ladines

1. Mine SUE MINE or ovide order years a spice

2. Mining District & County Cienega Mining District

ind communication of the continuent.

Itanii renim etoliog alle al batteet cal bee

is ouite expensive. This condition has regarded

4. Location About five miles Northeast Parker, Arizona

3. Former name

5. Owner H. M. Osborne

assurers bud austros p A 100 to emerb. Tele

7. Operator D. W. Wray

9. President

11. Mine Supt.

13. Principal Metals Gold and Copper

15. Production Rate

17. Power: Amt. & Type

6. Address (Owner) Parker, Arizona

8. Address (Operator) Parker, Arizona

10. Gen. Mgr.

12. Mill Supt.

14. Men Employed 8

16. Mill: Type & Cap.

mile from Colorado River.

18. Operations: Present Developing on 50 and 100 ft. level, and shipping. First shipment going out end of April.

to mine them Parker.

end to Just Israelos a Dayaiq ydmoosig alal .etc act and a concord Charles history of this district white owned by well known billy Mack.

19. Operations Planned eni ban seljale odj senia vljastjianejjia kontov ased sel sell suči sil

The Sue Mine Group consists of four (4) lode mining claims. 20. Number Claims, Title, etc. Purchased by H. M. Osborne from Mrs. Wm. Mack, widow of the well known pioneer mining man of the Parker district. Held by location and annual assessment work in accordance with State and United States Laws. Has been surveyed for patent.

- 21. Description: Topography & Geography Located in the west foothills of the Planet Range of Mts. The prevailing country rock is an andesite fissure flow having a generally East-West strike. The deposit which is of the general type of this area occurs within a brecciated zone that strikes N. 25 degrees W and dips about 80 degrees SW. 31. If properly for sale: Frice terms and address to negotiate... At prepent under Leage and Bond and
- 22. Mine Workings: Amt. & Condition Main 100 foot shaft single compartment w/manway has about 400 feet of drifts, cross-cuts and up-raise work. 100 feet vertical shaft is located 400 feet S. W. of main shaft. Property further developed with about 600 feet of tunnels, cross-cuts, stope and surface workings. All workings accessible.

- 23. Geology & Mineralization about 6 feet in width at bottom of an all 100 foot shaft. Vein is a mineralized channel developed from shearing in the andesite. Evidences of ore and post mineral movement in vein are numerous, the development of slickensided clay gouges and other alteration products is quite extensive. This condition has permitted thorough infiltration of the gangue material by siliceous solutions carrying gold values
- 24. Ore: Positive & Probable, Ore Dumps, Tailings and has resulted in quite uniform mineralization with very small veins of very rich ore-the whole making a very attractive product.

2. Mining District & County of angua what g District

3. Owner H. M. Oshorse - --

R Openior D. U. Welly

17. Powert Ann. & Lyne.

mobile P. P.

24-A Vein Width, Length, Value, etc.

lasta più as ferel

o. Address (Owner) Infiler, Artions

divisited (topped) Parish, Missing

- 25. Mine, Mill Equipment & Flow Sheet Hoist and compressor, and small equipment.

 No mill equipment
- 26. Road Conditions, Route Very good road to mine from Parker.
- 27. Water Supply Water developed on property and mine is located about one-quarter mile from Colorado River.
- 28. Brief History

 The Sue Mine has been worked intermittently since the sixties and has produced some rich ore. This property played a colorful part of the frontier history of this district while owned by well known Billy Mack.

18. Operations freeds povelording on 30 end 100 ft. level, aid salpuing. First shippent

. Limia to bae suc march

and dips spoot BU esquess ST.

- 29. Special Problems, Reports Filed
- 30. Remarks This property has a good reputation and with the proper operation and management should develop into a good producer.

R seconds of . I senting the sone bear tooks a state entree F. 20 decrees R

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

At present under Lease and Bond and being operated.

shout 400 feet of crafe, cross-subs and ap-raise with. 100 feet vertical short is located and read so. W. of main sport. Property further develoced

32. Signed H. M. Osborne.

blad .Jordsky water for its man galpin to very propertion

. Adeley to'l bevertus mese thin . evel asiata belief Enc week's

33. Use additional sheets if necessary.

JEPARTMENT OF MINERAL RESOURCES bro anstrum nogu sour STATE OF ARIZONA Colon & Maccalaton Late very ta OWNERS MINE REPORT

out at gatapade most bodoleveb leaned bo ARRILL 1940 187 ave view at the sevent less and door and Date January 1940 numberous, the development of elicitualded clay source and other

Minet large SUE MINE baco will . Swienstre of tup at elouborg moltaratie

Ore: Positive & Probable, Ore Dunays, Tailmes the thorough in 111 tration of the generic District CIENEGA MINING DISTRICT Location ABOUT FIVE MILES NORTHEAST

PARKER, ARIZONA

Former name BILLY MACK SUE MINE

Owner

H.M. OSBORNE

Operator

H. M. OSBOTHE P. W. WRAY

President

Mine Supt.

Principal Metals GOLD and COPPER

Production Rate

Address PARKER, ARIZONA Alne, Mill Equipment

Address PARKER, ARIZONA

Gen. Mgr.

Mill Supt.

Men Employed & Doub valv

Mill: Type & Cap.

Power: Amt. & Type

Operations: Present Directpuig on Sur 100 ff Rends ground ground ground ground ground

Billy Mack.

Operations Planned for a bound property played a one some of serious planned for a bound of the property played a one of the property played a content of the property played and the property played a content of the property played and the played of the frontier detery of this district while owned by well known

Number Claims, Title, etc. The Sue Mine Group consists of four (4) lode mining claims. Purchased by H.M. Osborne from Mrs. Wm. Mack, widow of the well known pioneer mining man of the Parker district. Held by location and annual assessment work in accordance with State and United States Laws. Has been surveyed for patent.

Description: Topog. & Geog. Located in the west foothills of the Planet Range of Mts. The prevailing country rock is an andesite fissure flow having a generally East-West strike. The deposit which is of the general type of this area occurs within a brecciated zone that strikes N.25 degrees W and dips about 80 degrees SW.

Mine Workings: Amt. & Condition Main 100 foot shaft single compartment w/manway has about 400 feet of drifts, cross-cuts and up-raise work. 100 feet vertical shaft is located 400 feet S.W. of main shaft. Property further developed with about 600 feet of tunnels, cross-cuts, stope and surface workings. All workings accessible.

Geology & Mineralization Main vein is from 2 to 4 feet wide upon surface and averages about 6 feet in width at bottom of main 100 foot shaft. Vein is a mineralized channel developed from shearing in the andesite. Evidences of ore and post mineral movement in vein are numberous, the development of slickinsided clay gouges and other alteration products is quite extensive. This conditon has permitted Ore: Positive & Probable, Ore Dumps, Tailings the thorough infiltration of the gangue material by silicious solutions carrying gold values and has resulted in quite uniform mineralization with very small veins of very rich ore-the whole making a very attractive product.

JEPARTIARINE OR MINISTELLARIES

Mine, Mill Equipment & Flow Sheet

Hout rempresent & Such agent seent.

Road Conditions. Route

Very good road to mine from Parker.

Water Supply

Water developed on property and mine is located about one-quarter mile from Colorado River.

Brief History

The Sue Mine has been worked intermittently since the sixties and has produced some rich ore. This property played a colorful part of the frontier history of this district while owned by well known Billy Mack.

Special Problems, Reports Filed

This property has a good reputation and with the proper operation and management should develop into a good producer.

Purchased by H.M. Ceroine from Mis. Wa. Mack, widew of the well

Number Claims Tele etc. The Suc. Wine Orgup consists of four (4) lode plain a skime.

Description Topor & Geor Located in the west institle of the Planet Range of Mis.

Mane Workseys And & Condition Main 100 foot chaft single competiment winenway has

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

At purely tender blencer Bond & Knig

Beraled

shout 400 feet of diffe, cross-outs eas up-mise work. 100 feet westless shaft is located 400 feet. We main east. Fromertw full there download with about 400 feet. We man old, cross-outs, stope and saurence work and saurence work

0-18-40: Mr. J.S. Confial Delf Deht of Mineral Resources, Phoenix - Orizona. My Dear Mr. Conhal: Replying to yours of the 11th wish to say that the Ine Mine is ofen for furchase or lease. Iam the sole owner now of same and would like to interest someone that would earny on development. are shipped recently ran better than fourtyfour dollars a ton in gold + copper - this ore was mined from the lifty + Hundred foot levels also from surface cuts. This property will stand rigid investigation and as I said before will deal with anyone that can carry on development Thanking for your interest and hoping you can find parties to handle I am yours very Truly H.M. asborne #16 - 2 nd At. Mina ling