



## **CONTACT INFORMATION**

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Arizona Department of Mines and Mineral Resources Mining Collection

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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

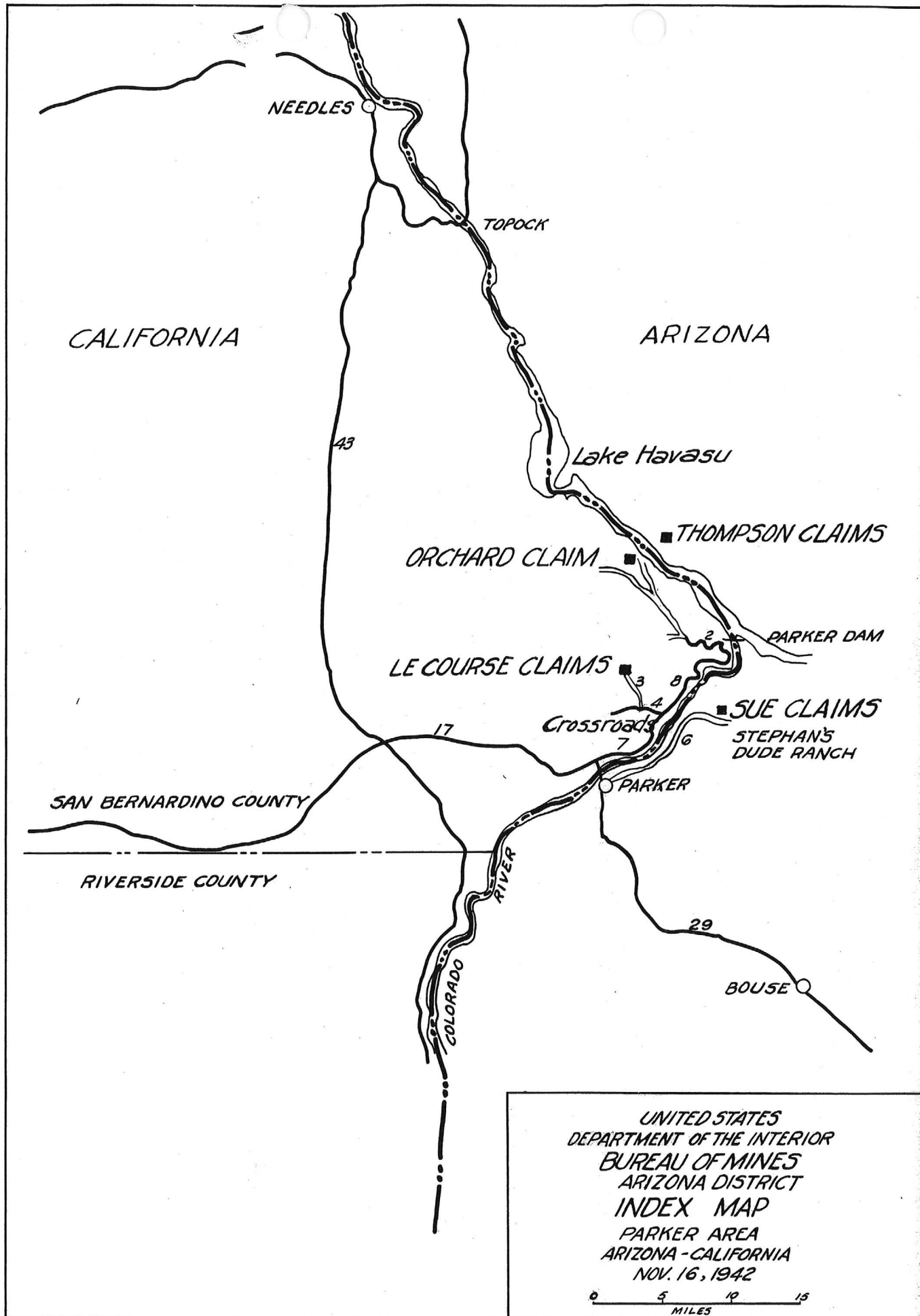
ABM Bull. #137 p127

*See: Sue Manganese "U" file*

BG&MT Bulletin 192 page 143

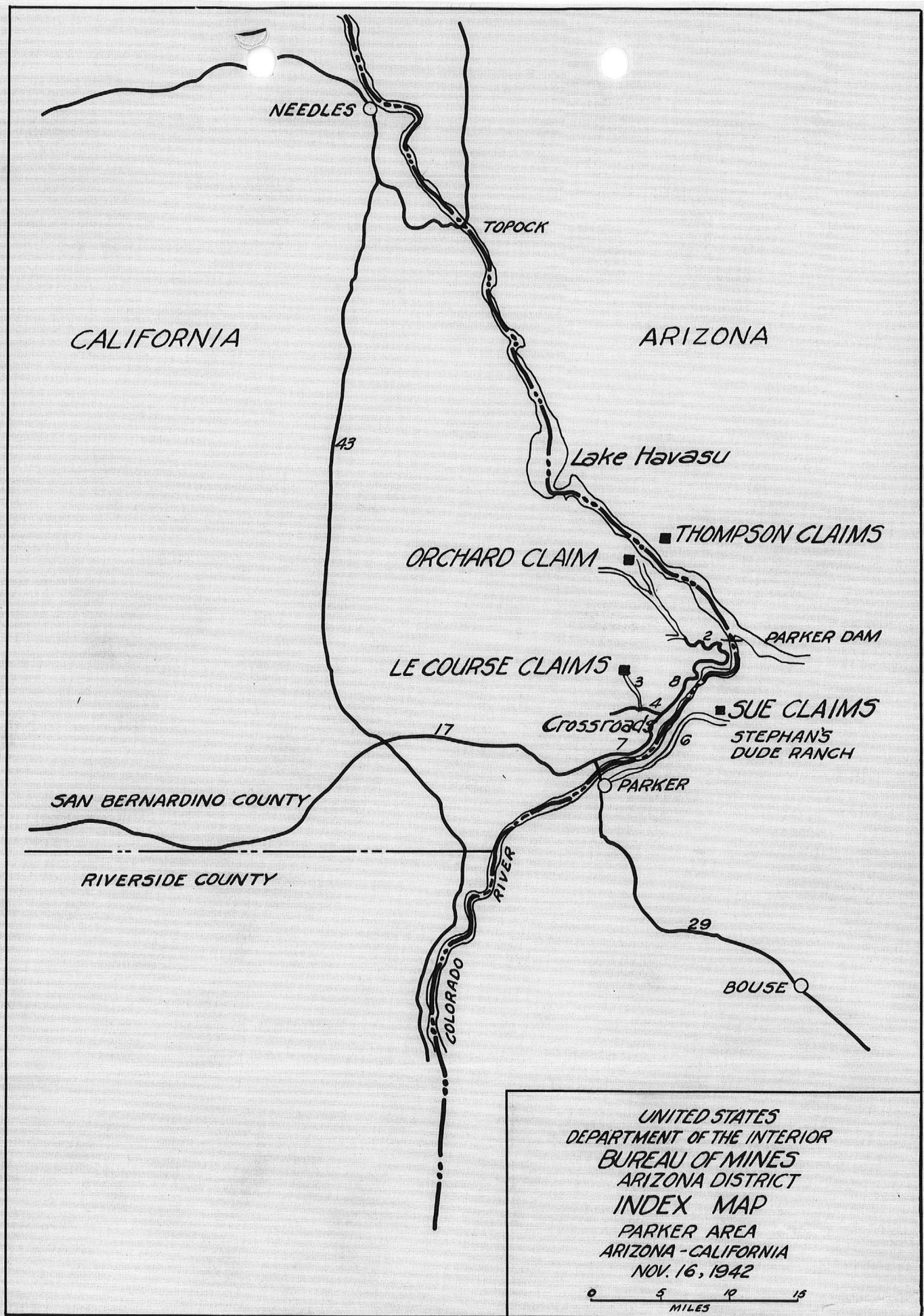
MILS Sheet sequence number 0040270383

See: 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.



SUE CLAIMS





SUE CLAIMS

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

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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

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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.

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## FIELD ENGINEERS REPORT

Subject: Visit to mine.

J. Knight

SUE MINE

YUMA COUNTY  
CIENEGA DIST.

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

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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

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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

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Interviewed Harry Osborne who said that his and Clara's properties- the Sue, Rio Vista, Mammon and Rico - were under lease and option to Anaconda Lead and Silver Mining Co. of Denver, Donald Joslin, Pres. A geologic study and economic evaluation 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 Alexander Preston who hopes to ship to Japan.

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

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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

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# DEPARTMENT OF MINERAL RESOURCES

STATE OF ARIZONA

## FIELD ENGINEERS REPORT

Mine ✓ Sue & Rico

Date <sup>Sept.</sup> October 29, 1958

District Cienega District, Yuma County

Engineer 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 manganese. 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  
FIELD ENGINEERS REPORT

*Holt copy*

Mine ✓ SUE MINE

Date May 25, 1942.

District Cienega Dist., Yuma County.

Engineer Elgin B. Holt.

Subject: Manganese Survey.

OWNER: ✓ 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 carry-gold and copper values are found within the Sue group of claims; *as black oxides of that metal* the manganese occurring <sup>1</sup>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 Colorado River on the east.

## SUE MINE

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 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 Colorado 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 gold-copper vein 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 ore 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.

## SUE MINE

**GEOLOGY:** The rocks in the vicinity consist of Tertiary andesite, limestone, shale and conglomerates, 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.

Elgin B. Holt.



From Mining World magazine - September 1950 issue

#### FIVE ARIZONA MINES REACTIVATED

Development of copper-gold mines in the Cienega Mining District near 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.

MS-68

DEPARTMENT OF MINERAL RESOURCES  
STATE OF ARIZONA  
OWNERS MINE REPORT

Date April, 1940

Mine Sue Mine

Mining District & County - Cienega Dist.  
Yuma County

Location - About 5 miles northeast  
of Parker, Arizona.

Former Name

Owner - H. M. Osborne

Address - No. 16 Second St.  
Yuma, Arizona

Operator - D. W. Wray

Address - Parker, Arizona

President

Gen. Mgr.

Mine Supt.

Mill Supt.

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 brecciated 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 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 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

SIGNED - H. M. Osborne

May 25, 1942

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.

Dear Mr. 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 rather samples are to be run for  
Manganese. They are from the Sue Mine, Parker District.

Very truly yours,

J. S. Coupal.  
Director.

## ASSAYER

DEPARTMENT OF MINERAL RESOURCES  
STATE OF ARIZONA  
FIELD ENGINEERS REPORT

*Holt copy*

Mine ✓ SUE MINE

Date May 25, 1942.

District Cienega Dist., Yuma County.

Engineer Elgin B. Holt.

Subject: Manganese Survey.

OWNER: ✓ H. M. Osborne, Parker, Arizona.

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## FIELD ENGINEERS REPORT

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.

✓ DEPARTMENT OF MINER/ RESOURCES

News Items

Date

4/28/40

Mine

SUE MINE

Location

6 MILES N.E. - PARKER

Owner

HARRY M. OSBORNE

Address

PARKER. ARIZ

Operating Co. LEASE & BOND TO

Address

D.C. WRAY - PARKER.

Pres.

HAVE MADE 1<sup>ST</sup> SHIPMENT

Genl. Mgr.

OF 1 CAR - 125<sup>00</sup> ORE.

Mine Supt.

Mill Supt.

Principal Metals

GOLD.

Men Employed

8

Production Rate

Mill, Type & Capacity

Power, Amt. & Type

Signed

J.C.

(Over)

- 18 - 40 .

Mr. J. S. Coupal  
Self, Dept. of Mineral Resources,  
Phoenix - Arizona.

My Dear Mr. Coupal:

Replying to yours of the 11<sup>TH</sup>  
wish to say that the Sue Mine is open for  
purchase or lease. I am the sole owner now  
of same and would like to interest someone  
that would carry on development.

Are shipped recently ran better than forty-  
four dollars a ton in gold + copper - this ore was  
mined from the fifty + 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 <sup>you</sup> for your interest and hoping you  
can find parties to handle

I am

Yours Very Truly

H. M. Osborne

#16 - 2<sup>nd</sup> St. Yuma Ariz.

From Mining World magazine - September 1950 issue

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May 25, 1942

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J. S. Coupal.  
Director.

823 EAST VAN BUREN STREET

PHOENIX, ARIZONA May 22, 1942

Phoenix, Arizona

GOLD FIGURED AT \$\_\_\_\_\_ PER OUNCE.

LAB. FORM 2

SILVER FIGURED AT \$\_\_\_\_\_ PER OUNCE.

REGISTERED ASSAYER

CERTIFICATE EXPIRES

CLAUDE E.  
MCLEAN

DEC 31, 1947

ARIZONA, U. S. A.

ARIZONA TESTING LABORATORIES

BY

Claude E. McLean

**ASSAYER**

CHARGES \$ 3.00



# 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.

MS-68  
DEPARTMENT OF MINERAL RESOURCES

STATE OF ARIZONA

OWNERS MINE REPORT

Date April, 1940

1. Mine Sue Mine
2. Mining District & County Cienega Mining District
3. Former name
4. Location About five miles nrotheast Parker, Arizona
5. Owner H. M. Osborne
6. Address (Owner) No. 16 Second Street Yuma, Arizona
7. Operator D. W. Wray
8. Address (Operator) Parker, Arizona
9. President
10. Gen. Mgr.
11. Mine Supt.
12. Mill Supt.
13. Principal Metals Gold and copper
14. Men Employed 8
15. Production Rate
16. Mill: Type & Cap.
17. Power: Amt. & Type
18. Operations: Present Developing on 50 and 100 ft. level, and shipping. First shipment going out end of April.
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.
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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.



23. Geology & Mineralization Main vein is from 2 to 4 feet wide up surface and averaging about 6 feet 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 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.

Ore recently shipped ran \$44 per ton in gold and copper.

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

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.

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

32. Signed..... H. M. Osborne

33. Use additional sheets if necessary.



DEPARTMENT OF MINERAL RESOURCES

STATE OF ARIZONA

OWNERS MINE REPORT

Date April, 1940

1. Mine **SUE MINE**
2. Mining District & County **Cienega Mining District**
3. Former name
4. Location **About five miles Northeast Parker, Arizona**
5. Owner **H. M. Osborne**
6. Address (Owner) **Parker, Arizona**
7. Operator **D. W. Wray**
8. Address (Operator) **Parker, Arizona**
9. President
10. Gen. Mgr.
11. Mine Supt.
12. Mill Supt.
13. Principal Metals **Gold and Copper**
14. Men Employed **8**
15. Production Rate
16. Mill: Type & Cap.
17. Power: Amt. & Type
18. Operations: Present **Developing on 50 and 100 ft. level, and shipping. First shipment going out end of April.**
19. Operations Planned
20. 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.**
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.**
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 foot 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      M vein is from 2 to 4 feet wide on surface and averages about 6 feet in width at bottom of 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 and has resulted in quite uniform mineralization with very small veins of very rich ore-the whole making a very attractive product.
24. Ore: Positive & Probable, Ore Dumps, Tailings

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

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.

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.      At present under Lease and Bond and being operated.

32. Signed      H. M. Osborne.

33. Use additional sheets if necessary.



# DEPARTMENT OF MINERAL RESOURCES

STATE OF ARIZONA

## OWNERS MINE REPORT

APRIL - 1940

Date ~~January 1940~~

Mine **SUE MINE**  
 District **CIENEGA MINING DISTRICT** Location **ABOUT FIVE MILES NORTHEAST PARKER, ARIZONA**  
 Former name **BILLY MACK SUE MINE**  
 Owner **H.M. OSBORNE** Address **PARKER, ARIZONA**  
 Operator **~~H.M. OSBORNE~~ D.W. WRAY** Address **PARKER, ARIZONA**  
 President  
 Gen. Mgr.  
 Mine Supt.  
 Mill Supt.  
 Principal Metals **GOLD and COPPER** Men Employed **8**  
 Production Rate  
 Mill: Type & Cap.  
 Power: Amt. & Type

Operations: Present

*Drilling on 50 x 100 ft level  
 and shipping. First shipment going  
 out end of April.*

Operations Planned

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 foot 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 numerous, the development of slickensided clay gouges and other alteration products is quite extensive. This condition 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.

Mine, Mill Equipment & Flow Sheet

*Hint & equipment & small equipment  
in 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.

*As present under Leach Brand & King  
operated*

Signed

*H. M. Delorme*

- 18 - 40 -

Mr. J. S. Coupal  
~~Dep~~ Dept. of Mineral Resources,  
Phoenix - Arizona.

My Dear Mr. Coupal:

Replying to yours of the 11<sup>th</sup>  
wish to say that the Sue Mine is open for  
purchase or lease. I am the sole owner now  
of same and would like to interest someone  
that would carry on development.

Are shipped recently ran better than forty-  
four dollars a ton in gold + copper - this ore was  
mined from the fifty + 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 <sup>you</sup> for your interest and hoping you  
can find parties to handle

I am

Yours Very Truly

H. M. Osborne  
#16 - 2<sup>nd</sup> St. Yuma Ariz.