



## **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](mailto: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.

03/26/96

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES FILE DATA

PRIMARY NAME: STEVENS LEASE

ALTERNATE NAMES:

STEVENS LEASE  
ALASKA  
BRUNSWICK  
STELLA  
MOLINAR  
XIV PROPERTY

GREENLEE COUNTY MILS NUMBER: 110

LOCATION: TOWNSHIP 3 S RANGE 29 E SECTION 33 QUARTER NW  
LATITUDE: N 33DEG 08MIN 04SEC LONGITUDE: W 109DEG 22MIN 22SEC  
TOPO MAP NAME: CLIFTON - 15 MIN

CURRENT STATUS: PAST PRODUCER

COMMODITY:

COPPER  
GOLD  
SILVER

BIBLIOGRAPHY:

ADMMR U FILE  
ADMMR STEVENS LEASE FILE  
LINDGREN, WALDEMAR, THE COPPER DEPOSITS OF  
THE CLIFTON-MORENCI DIST. AZ. USGS PP 43,  
1905  
CLELAND, ROBERT G., A HISTORY OF PHELPS DODGE  
1952  
DUNNING, CHARLES H., ROCK TO RICHES 1959  
USGS GEOLOGIC ATLAS CLIFTON FOLIO AZ. 1905 -  
ECONOMIC GEOLOGY MAP

STEVENS LEASE  
(Molinar Mine)

GREENLEE COUNTY

Visited Molinar Mine, Charles Stevens has one car load ready to ship.

GWI WR 3/30/68

---

*Active: Nov. 67 - 3 men*

Mr. Charles Stevens plans to ship a car of ore from his Molinar mine soon.

GWI Quarterly Report 4/1968

---

*Active Apr. 1968 - 2 men*

C. Stevens has resumed shipments from the Molinar Mine.

GWI Quarterly Report 6/1968

---

*Charles E. Stevens died 8/29/68*

The Molinar Mine has not resumed production since the death of Mr. C. Stevens.

GWI Quarterly Report 12/1968

---

*Company (?) taking over Stevens property in May. - Board Meeting 4/2/69*

Phelps-Dodge Corp. has taken over the Stevens lease on the Molinar mine.

GWI Quarterly Report 3/1969

---

Visited Molinar Mine - not operating GWI WR 2/14/70

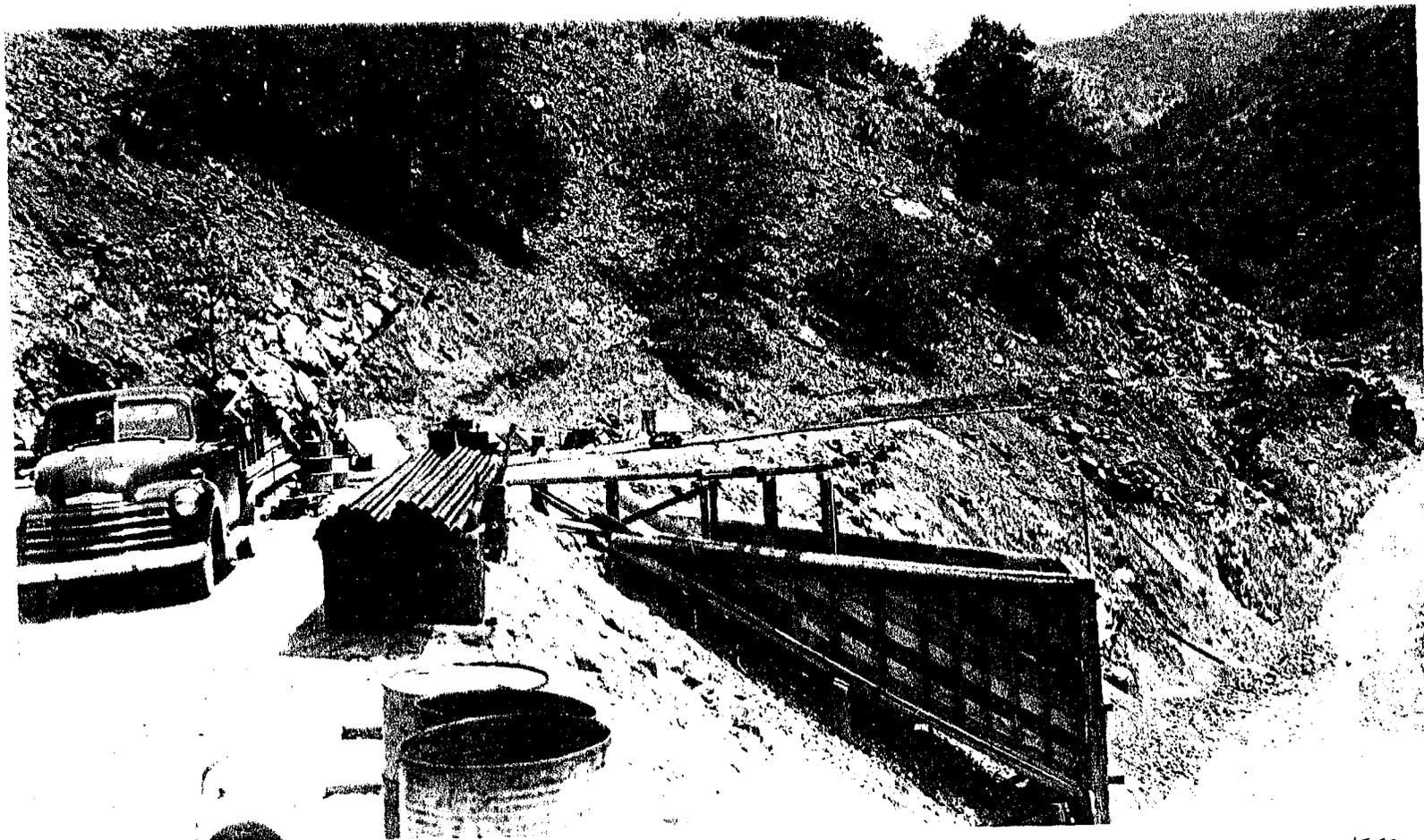
---

*See: USGS Prof. Paper #43 - Page 352 + 353  
(Alaska Mine)  
(Brunswick Mine)*



1952

A-183-48

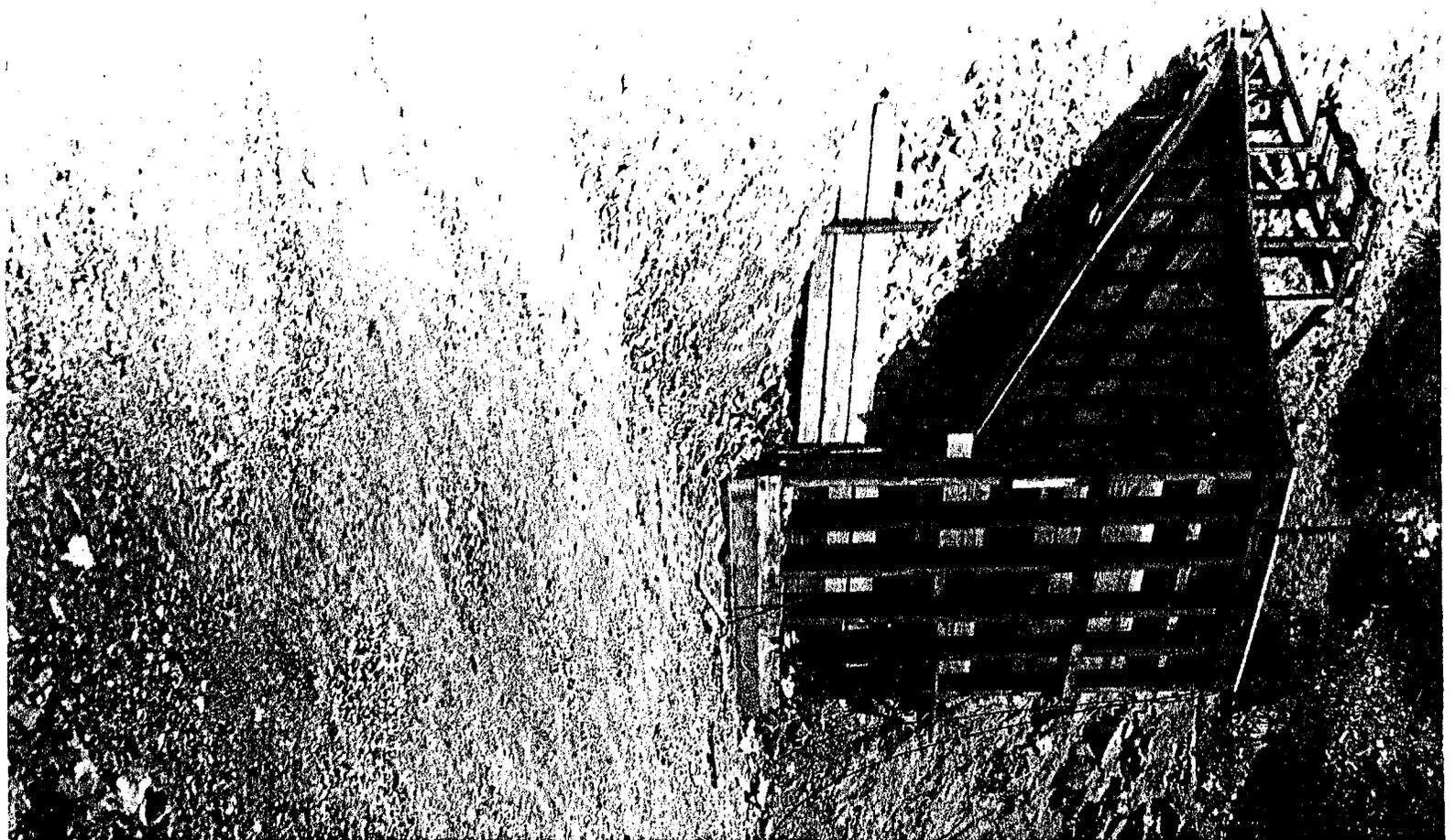


1952



A-183-47

1952



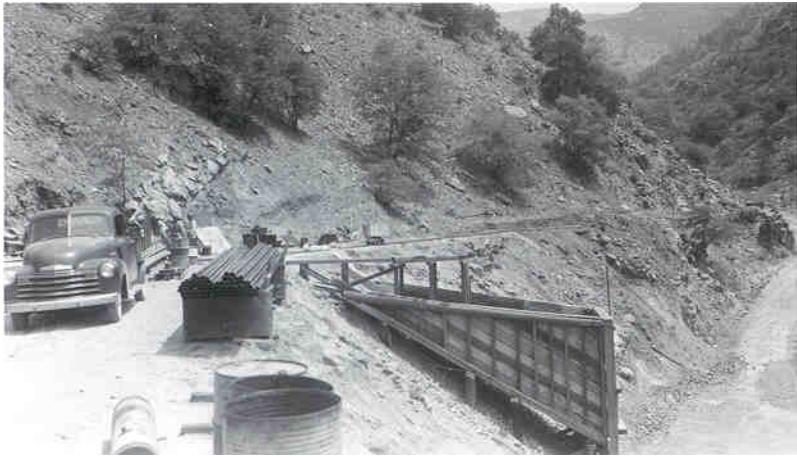
A-183-46

1952









## Meeting

Taken from GWI Conference June 7, 1966 at Stevens Lease North of Clifton.

The Stevens Mine was once called the Stella and later the Molinar Mine, the latter name being in common use. The claims over the mine were patented in 1908 by the Arizona Copper Company. The earliest patented claims were the Alaska Tunnel, by Longfellow in 1893. Charles Stevens' uncle and father drove the Alaska Tunnel, by 1921 the claims had been acquired by the Phelps-Dodge Corporation.

The first records from the Stevens Mine show that in 1905, approximately 30 tons of 30% copper ore were being shipped a month. During the 20's, 60 to 300 tons per month of 12% copper ore was being shipped.

The total production is around 50,000 tons of hi-grade ore.

A grey-colored flat lying dike of diabase, that might be classified as a sill intrude the granite and was later step-faulted to the east. The veins are relatively narrow as compared to other mineralization in the district, and contain rich pods of supergene calcocite. Very good specimens have been taken from the mine. The ore is siliceous and contains considerable granite breccia.

There are two levels, and the lateral extent is approximately 1100'. The upper of these two main adits is not now accessible.

At present Mr. Stevens is producing about 200 tons of 3% ore a month. This amounts to about 6 tons of copper per month.

Further up the canyon is located the Mammoth Mine, it was a larger producer and the ore occurred as a replacement in the limestone. It was a larger producer than the Stevens or Molinar Mine, it was mined out and closed before 1930.

A tour was made through the mine - in some places some of the old timbered stopes could be observed, with the timbers being well framed and preserved. In some places the lagging behind the sets was of small round timbers about 2 inches in diameter that had been cut locally.

Mr. Stevens operations were clean and well kept. The property had the general appearance of cleanliness and good housekeeping that is characteristic of Phelps-Dodge operations.

---

Mine Visit to Stevens Molinar Mine. - Mr. Stevens driving an x-cut. (GWI WR 12/4/67)

Visited the Molinar Mine (Stevens Lease) Still cleaning up from Chase Creek Flood.

GWI WR 10/1/67

---

Taken from GVI Conference June 7, 1966 at Stevens Lease North of Clifton.

The Stevens Mine was once called the Stella and later the Molinar Mine, the latter name being in common use. The claims over the mine were patented in 1908 by the Arizona Copper Company. The earliest patented claims were the Alaska Tunnel, by Longfellow in 1893. Charles Stevens' uncle and father drove the Alaska Tunnel, by 1921 the claims had been acquired by the Phelps-Dodge Corporation.

The first records from the Stevens Mine show that in 1905, approximately 30 tons of 30% copper ore were being shipped a month. During the 20's, 60 to 300 tons per month of 12% copper ore was being shipped.

The total production is around 50,000 tons of hi-grade ore.

A grey-colored flat lying dike of diabase, that might be classified as a sill intrude the granite and was later step-faulted to the east. The veins are relatively narrow as compared to other mineralization in the district, and contain rich pods of supergene calcocite. Very good specimens have been taken from the mine. The ore is siliceous and contains considerable granite breccia.

There are two levels, and the lateral extent is approximately 1100'. The upper of these two main adits is not now accessible.

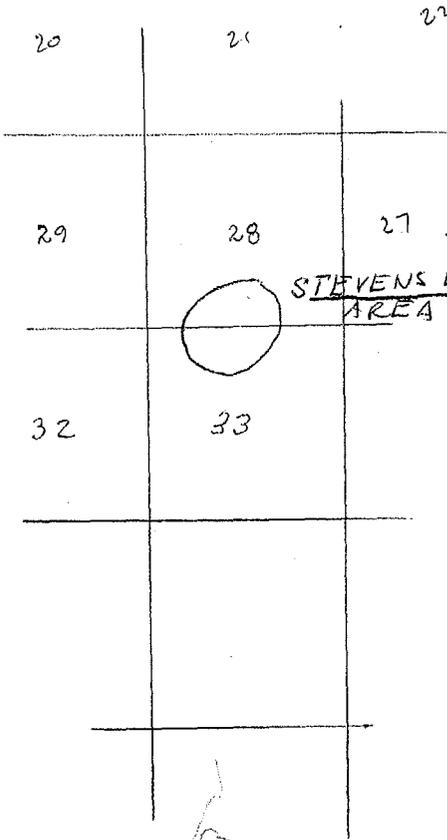
At present Mr. Stevens is producing about 200 tons of 3% ore a month. This amounts to about 6 tons of copper per month.

Further up the canyon is located the Mammoth Mine, it was a larger producer and the ore occurred as a replacement in the limestone. It was a larger producer than the Stevens or Molinar Mine, it was mined out and closed before 1930.

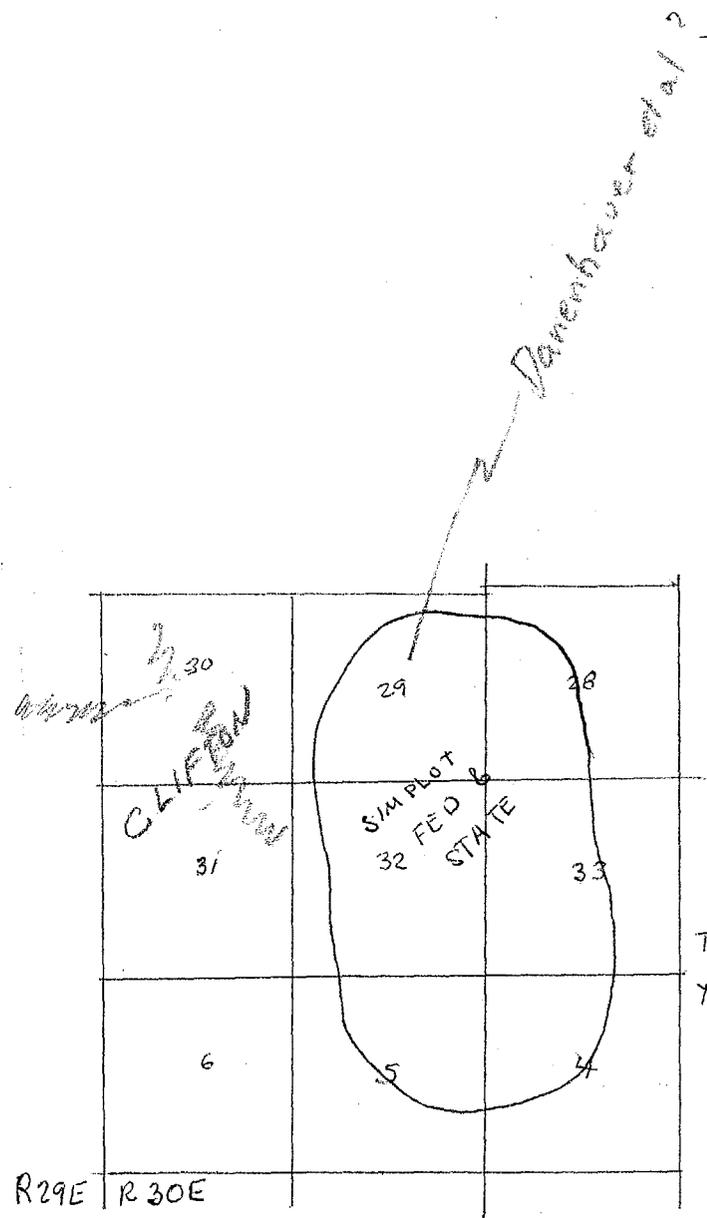
A tour was made through the mine - in some places some of the old timbered stopes could be observed, with the timbers being well framed and preserved. In some places the lagging behind the sets was of small round timbers about 2 inches in diameter that had been cut locally.

Mr. Stevens operations were clean and well kept. The property had the general appearance of cleanliness and good housekeeping that is characteristic of Phelps-Dodge operations.

---



CLIFTON QUADRANGLE  
FEB 4, 1966  
 By G.I.



STEVENS LEASE

GREENLEE COUNTY

Mr. Stevens told Mr. Durek that he made one shipment to PD Corp. in September, the tonnage and grade were not mentioned.

GWI Conf. 10/5/65

---

Visited mine and interviewed Mr. Charles Stevens. Mining and Shipping approx. 70 ton in November.

GWI WR 12/13/65

---

DEPARTMENT OF MINERAL RESOURCES

STATE OF ARIZONA  
FIELD ENGINEERS REPORT

Mine Stevens Mine Date Feb. 2, 1965  
District Metcalf District, Greenlee Co. Engineer Axel L. Johnson  
Subject: Mine Visit. Information from Charles E. Stevens

References: Report of Oct. 7, 1964.

Location: About 9 miles N. of Clifton, along the Coronado Trail.

Number of Claims: 2 patented claims - Molinar and Alaska

Owners: Phelps Dodge Corporation.

Lessee: Charles E. Stevens, Box 726, Clifton

Principal Minerals: Copper

Present Mining Activity: On account of the fact that the compressor broke down about a month ago, the work since then has been limited to things that can be accomplished without the use of compressed air.

Work now consists of: -

- (1) Minor repairs on the main adit, now in a distance of 400 ft.
- (2) Drawing ore out of an old stope above this adit.
- (3) Drawing ore from the old waste dump next to the mine.

5 men are working - 6 days, 7 hours per day - day shift only.

Shipments of 464 tons of ore are reported, since shipments started the last part of October.

Ore Values: Shipments from the old stope and from the dump have run from 3.5 to 4.0% in copper.

Marketing: The ore is trucked to Clifton, where it is loaded in railroad cars and shipped to the Morenci smelter.

Review of Recent Operations: Since report of Oct. 7, 1964, the following has been done:-

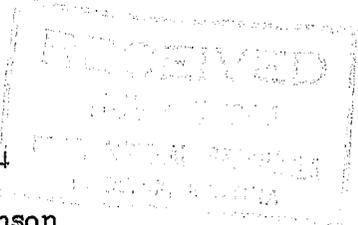
- (1) Making minor repairs on old adit, now in a distance of 400 ft.
- (2) Making small open cut on left side of portal (about 12' x 24' x 10' deep), exposing an ore pocket.
- (3) Starting of a new adit, about 60 ft. below the main adit, which will be driven under the open cut, described in (2). This adit is now in 15 ft. from portal.

Proposed Plans:

- (1) To buy a compressor. A compressor has been contracted for from the Phelps Dodge Corp., as soon as it is released by the corporation. This is a Gardner-Denver, 315 c.f.m. compressor.
- (2) To continue driving the new adit, 60 ft. below the main adit, for developing the new ore pocket.
- (3) Repair an additional 500 to 600 ft. of the main adit.
- (4) Sink a winze near the breast of the repaired portion of the adit, at about 1,000 ft. in from the portal. This will be sunk to a depth of 60 to 70 ft. in order to mine out some high grade ore in that area.

DEPARTMENT OF MINERAL RESOURCES

STATE OF ARIZONA  
FIELD ENGINEERS REPORT



Mine Stevens Mine (formerly called Stevens Lease & also Molinar Mine) Date Oct. 7, 1964  
District Metcalf District, Greenlee Co. Engineer Axel L. Johnson  
Subject: Mine Visit. Information from Charles E. Stevens.

References Report of June 3, 1964 and previous reports.

Principal Minerals Copper

Present Mining Activity Repairing and retimbering old adit, and laying new track and pipes. Mr. Stevens reports that the old adit is about 1400 ft. long, and that about 400 ft. of this has now been repaired and retimbered. 5 men working, all on day shift.

Review of Recent Operations The 3 room house, which Mr. Stevens built for a residence for himself and family was finished about June 15. Repairing and retimbering of the old adit was started soon afterwards, and will be continued.

Proposed Plans It will be necessary to sink a winze to a depth of 75 to 100 ft., in order to mine the ore below the main adit, as almost all the ore above the adit has been mined out. This winze will be sunk near the end of the adit, about 1200 ft. from the portal. The ore will be hoisted in a bucket, which will dump into an ore pocket above the winze, from which the ore will be drawn into ore cars and trammed out to the surface and dumped into a pile. From this pile, the ore will be loaded into trucks for haulage to Clifton by means of an end loader.

Additional Mr. Stevens reports that the terms of the lease from Phelps Dodge Corp., a 5 year lease with the privilege of renewal, specifies the following royalties:

- (1) 10 % on ore of values of \$ 25 per ton or less.
- (2) 15 % on ore of a value of \$ 25 per ton to and including \$ 50 per ton.



DEPARTMENT OF MINERAL RESOURCES

STATE OF ARIZONA  
FIELD ENGINEERS REPORT

Mine Stevens Mine (formerly called Stevens Lease & also Molinar Mine) Date June 3, 1964  
District Metcalf District, Greenlee Co. Engineer Axel L. Johnson  
Subject: Mine Visit. Information from Charles E. Stevens.

References Reports of Nov. 6, 1957, Oct. 3, 1956, and previous reports.

Location About 9 miles N. of Clifton, along the Coronado Trail.

Owners Phelps Dodge Corp.

Lessee Charles E. Stevens, Box 343, Safford, Ariz. This is a 5 year lease, executed on May 5, 1964 for a term of 5 years with option to renew. The lease calls for a sliding scale royalty.

Number of Claims 2 patented claims.

Principal Minerals Copper

Present Mining Activity Building a 3 room house to be used as a temporary home and office to be used by Mr. Stevens and family while he is operating the mine. 3 men working.

Review of Recent Operations Work was started on the property on May 10, 1964. Since that time, the following work has been done:

- (1) Building grounds were cleaned up and levelled.
- (2) Water has been developed from a spring for domestic and mine use.
- (3) The old ore bin was torn down, as it will not be used on the new operations.
- (4) Mine track and pipe has been purchased and stored on the property.
- (5) The 3 room house was started a few days ago, & will be finished in a week.

Proposed Plans The following work has to be done at the mine before ore production is resumed:

- (1) Repair the old adit, which is about 1,000 ft. long, retimbering, laying new track, and pipes.
  - (2) Sink a winze near the end of this adit to a depth of 75 or 100 ft.
- The ore mined will be loaded in mine cars, and then trammed out and dumped in a pile on the surface. A 3 ton dump truck will be used for hauling the ore to Clifton, where it will be dumped into railroad cars for shipment to the Phelps Dodge smelter in Morenci. An end loader will be used for loading the dump truck from the surface stock pile. Mr. Stevens says he can haul 7 to 8 tons on his dump truck, as it is down grade. As soon as finances permit, Mr. Stevens plans on purchasing a larger truck for the ore hauling.

153

DEPARTMENT OF MINERAL RESOURCES  
STATE OF ARIZONA  
FIELD ENGINEERS REPORT

Mine Stevens Lease (also called Molinar Mine) Date Nov. 6, 1957.

District Metclaf District, Greenlee Co. Engineer Axel L. Johnson

Subject: Present Status. Information from Matt Danenhauer, Clifton, Ariz.

References Report of Oct. 3, 1956 and previous reports.

Location About 9 miles N. of Clifton, along the Coronado Trail.

Number of Claims 1 patented claim.

Owners Phelps Dodge Corporation.

Previous Lessees Chas. E. Stevens, et. al.

Principal Minerals Copper ore, principally chalcocite.

Present Mining Activity None. Mine is idle.

Mine is reported to have closed down on Oct. 1, 1957 at the expiration of the lease from Phelps Dodge Corp. Former leaser, Chas. E. Stevens, is reported as having moved to Mexico, and the mining equipment is now for sale by a Phoenix agent.

Information from MINE INSPECTOR'S OFFICE - August 15, 1957

BRUNSWICK MINE, Garfield Dist., Greenlee Co., Ariz. 6-25-57 2 Claims

Phelps Dodge Corp., Morenci, Arizona - Owner

C. E. Stevens, Lessee - Box 772, Clifton, Ariz.

COPPER - 350 tons per mo. 8 men working

L.A.S.

DEPARTMENT OF MINERAL RESOURCES  
STATE OF ARIZONA  
FIELD ENGINEERS REPORT

Mine Stevens' Lease (also called Molinar Mine) Date Oct. 3, 1956

District Metcalf District, Greenlee County. Engineer Axel L. Johnson

Subject: Report of Mining Operations. Personal Visit & Information from Chas. E. Stevens.

Location About 9 miles N. of Clifton, along the Coronado Trail.

Number of Claims One patented claim.

Owners Phelps Dodge Corp.

Lessees & Operators Chas. E. Stevens, et. al.  
Chas. E. Stevens, Manager, Box 772, Clifton, Ariz.

Terms of Lease 5 year straight lease. Minimum royalty 10 %, with sliding scale increase on ore above 5 %. Lease expires on March 1, 1957. Mr. Stevens states that he will ask for an extension of 4 or 5 months, on account of the fact that Phelps Dodge would not take his ore from November, 1955 to Feb. 1956 (about 4 months.)

Principal Minerals Copper ores, principally chalcocite.

Number of Men Employed 8 men, inc. Mr. Stevens. Working one shift. Expects to start a second shift in about another week.

Production Rate Averages about 170 tons per week at present. Expects to start another shift, and increase production to about 200 tons per week.

Ore Values Ore averages about 3.5 % copper.

Milling and Marketing Facilities

- (1) Shipping about 75 to 80 tons of ore per week to Phelps Dodge at Morenci, Ariz. The ore runs from 16 to 21 % alumina, and Phelps Dodge only wants a limited amount of this ore on account of its high alumina content.
- (2) Shipping the remaining 90 or 95 tons per week to Peru Mining Co. mill at Deming, N. Mex. The milling charge is \$4.00 per ton, and the freight from Clifton to Deming amounts to about \$3.75 per ton. Mr. Stevens started shipping to Peru about 2 months ago, when he learned that the Peru mill had started milling copper ore in addition to lead-zinc ores. The concentrates from the ore milled at Deming are sold to the A. S. & R. Co., El Paso, Texas.

Present Operations

- (1) Stopping ore from stopes ---- about 160 to 165 tons per week.
- (2) Extending an incline winze to start a new level. Plans to bring the winze down to a depth of 70 ft, and then drift. The drift is expected to be in ore, and it is expected to produce about 35 or 40 tons per week from this operation.

Equipment for Sale Mr. Stevens wishes to seal out all his mining equipment on the expiration of his lease (Mar. 1, 1957, unless extended). Mr. Stevens states that he has from \$25,000 to \$30,000 worth of equipment, which he will sell for \$15,000. His equipment consists of the following: (1) 1--Gardner-Denver stationary compressor, 315 c.f.m., bought 4 years ago reconditioned; (2) 1 slusher hoist; (3) 10 ore cars with end dump; (4) 2,000 ft. of track -- 8 #, 12 #, & 16 #; 2,000 ft. of pipe -- 2", 1 1/2" and 1/2 " (5) 7 drilling machines, with 500 bits and \$1,000 worth of drill steel; (6) 2 dump trucks---one Chevr. 1947, 6 ton and one Internationsl 1952, 6 ton; (7) 10 cabins.

DEPARTMENT OF MINERAL RESOURCES

STATE OF ARIZONA

FIELD ENGINEERS REPORT

Mine Stevens Lease (also called Molinar Mine) Date Oct. 3, 1956  
District Metcalf District, Greenlee County. Engineer Axel L. Johnson  
Subject: Report of Mining Operations. Personal Visit & Information from Chas. E. Stevens.

Location About 9 miles N. of Clifton, along the Coronado Trail.

Number of Claims One patented claim.

Owners Phelps Dodge Corp.

Lessees & Operators Chas. E. Stevens, et. al.  
Chas. E. Stevens, Manager, Box 772, Clifton, Ariz.

Terms of Lease 5 year straight lease. Minimum royalty 10 %, with sliding scale increase on ore above 5 %. Lease expires on March 1, 1957. Mr. Stevens states that he will ask for an extension of 4 or 5 months, on account of the fact that Phelps Dodge would not take his ore from November, 1955 to Feb. 1956 (about 4 months.)

Principal Minerals Copper ores, principally chalcocite.

Number of Men Employed 8 men, inc. Mr. Stevens. Working one shift. Expects to start a second shift in about another week.

Production Rate Averages about 170 tons per week at present. Expects to start another shift, and increase production to about 200 tons per week.

Ore Values Ore averages about 3.5 % copper.

Milling and Marketing Facilities

- (1) Shipping about 75 to 80 tons of ore per week to Phelps Dodge at Morenci, Ariz. The ore runs from 16 to 21 % alumina, and Phelps Dodge only wants a limited amount of this ore on account of its high alumina content.
- (2) Shipping the remaining 90 or 95 tons per week to Peru Mining Co. mill at Deming, N. Mex. The milling charge is \$4.00 per ton, and the freight from Clifton to Deming amounts to about \$3.75 per ton. Mr. Stevens started shipping to Peru about 2 months ago, when he learned that the Peru mill had started milling copper ore in addition to lead-zinc ores. The concentrates from the ore milled at Deming are sold to the A. S. & R. Co., El Paso, Texas.

Present Operations

- (1) Stoping ore from stopes ---- about 160 to 165 tons per week.
- (2) Extending an incline winze to start a new level. Plans to bring the winze down to a depth of 70 ft, and then drift. The drift is expected to be in ore, and it is expected to produce about 35 or 40 tons per week from this operation.

Equipment for Sale Mr. Stevens wishes to sell out all his mining equipment on the expiration of his lease (Mar. 1, 1957, unless extended). Mr. Stevens states that he has from \$25,000 to \$30,000 worth of equipment, which he will sell for \$15,000. His equipment consists of the following: (1) 1--Gardner-Denver stationary compressor, 315 c.f.m., bought 4 years ago reconditioned; (2) 1 slusher hoist; (3) 10 ore cars with end dump; (4) 2,000 ft. of track -- 8 #, 12 #, & 16 #; 2,000 ft. of pipe -- 2", 1 1/2" and 1/2 " (5) 7 drilling machines, with 500 bits and \$1,000 worth of drill steel; (6) 2 dump trucks---one Chevr. 1947, 6 ton and one Internationsl 1952, 6 ton; (7) 10 cabins.

DEPARTMENT OF MINERAL RESOURCES  
STATE OF ARIZONA  
FIELD ENGINEERS REPORT

Mine Stevens Lease

Date May 5, 1954.

District Metcalf Mining Dist., Greenlee Co.

Engineer Axel I. Johnson

Subject: Report of Mining Operations. Personal Visit & Information from Chas. E. Stevens.

Location About 9 miles north of Clifton, along the Coronado Trail.

Number of Claims One patented claim.

Owner Phelps Dodge Corp.

Operator and Lessees Chas. E. Stevens -----50 %  
Jesus Gomez -----25 %  
Robert L. Nardelli ---- 25 %  
Chas. E. Stevens, Manager, Box 772, Clifton, Ariz.

Terms of Lease 5 year straight lease. Minimum royalty 10 %, with sliding scale increase on ores above 5 %.

Principal Minerals Copper ores, principally chalcocite.

Number of Men Employed 10 -----7 on day shift, and 3 on night shift.

Production Rate About 200 tons per week.

Ore Values Shipments average about 4.5 % in copper.

Markets Shipping the ore ~~to~~ to the A. S. & R. smelter at El Paso, Texas.

Present Operations Stopping ore. Hand tramming better than 1000 ft.

Mine Equipment 2 trucks for ore hauling  
1 truck for supplies  
1 -- 315 c.f.m. air compressor.  
2 stoppers, 3 jackhammers, and 1 Copco drill.  
5 ore cars.

DEPARTMENT OF MINERAL RESOURCES

STATE OF ARIZONA

FIELD ENGINEERS REPORT

Mine Stevens Lease Date May 5, 1954.  
District Metcalf Mining Dist., Greenlee Co. Engineer Axel L. Johnson  
Subject: Report of Mining Operations. Personal Visit & Information from Chas. E. Stevens.

Location About 9 miles north of Clifton, along the Coronado Trail.

Number of Claims One patented claim.

Owner Phelps Dodge Corp.

Operator and % Lessees Chas. E. Stevens -----50 %  
Jesus Gomez -----25 %  
Robert L. Nardelli ---- 25 %  
Chas. E. Stevens, Manager, Box 772, Clifton, Ariz.

Terms of Lease 5 year straight lease. Minimum royalty 10 %, with sliding scale increase on ores above 5 %.

Principal Minerals Copper ores, principally chalcocite.

Number of Men Employed 10 -----7 on day shift, and 3 on night shift.

Production Rate About 200 tons per week.

Ore Values Shipments average about 4.5 % in copper.

Markets Shipping the ore ~~to~~ to the A. S. & R. smelter at El Paso, Texas.

Present Operations Stoping ore. Hand tramping better than 1000 ft.

Mine Equipment 2 trucks for ore hauling  
1 truck for supplies  
1 -- 315 c.f.m. air compressor.  
2 stopers, 3 jackhammers, and 1 Copco drill.  
5 ore cars.

DEPARTMENT OF MINERAL RESOURCES  
STATE OF ARIZONA  
FIELD ENGINEERS REPORT

Mine Stevens Lease

Date Jan. 5, 1954

District Metcalf Mining Dist., Greenlee Co.

Engineer Axel L. Johnson

Subject: News Item.----- Source of Information---Chas. E. Stevens.

Location About 9 miles north of Clifton, right on the east side of the Coronado Trail.

Number of Claims One patented claim.

Owner Phelps Dodge Corporation.

Operator & Lessee Chas E. Stevens, Box 772, Clifton, Arizona. For particulars see my report of Feb. 13, 1952.

Principal Mineral Copper

Number of Men Employed 8 ~~men~~ men --- all on day shift.

Production Rate Between 100 and 150 tons per week. Operator intends to step up production later.

Ore Values Shipments average about 5 % Copper.

Marketing Facilities Shipping the ore to the A. S. & R. smelter at El Paso, Texas.

Present Operations Stoping ore.

Proposed Plans Plan to do some development work, viz.  
1 drift about 115 ft.  
1 Cross Cut about 55 ft.  
Some raising.

DEPARTMENT OF MINERAL RESOURCES

STATE OF ARIZONA

FIELD ENGINEERS REPORT

Mine Stevens Lease Date Jan. 5, 1954

District Metcalf Mining Dist., Greenlee Co. Engineer Axel L. Johnson

Subject: News Item.----- Source of Information---Chas. E. Stevens.

Location About 9 miles north of Clifton, right on the east side of the Coronado Trail.

Number of Claims One patented claim.

Owner Phelps Dodge Corporation.

Operator & Lessee Chas E. Stevens, Box 772, Clifton, Arizona. For particulars see my report of Feb. 13, 1952.

Principal Mineral Copper

Number of Men Employed 8 ~~men~~ men --- all on day shift.

Production Rate Between 100 and 150 tons per week. Operator intends to step up production later.

Ore Values Shipments average about 5 % Copper.

Marketing Facilities Shipping the ore to the A. S. & R. smelter at El Paso, Texas.

Present Operations Stoping ore.

Proposed Plans Plan to do some development work, viz.  
1 drift about 115 ft.  
1 Cross Cut about 55 ft.  
Some raising.

DEPARTMENT OF MINERAL RESOURCES

STATE OF ARIZONA

~~FIELD ENGINEERS REPORT~~

NEWS ITEM

Mine Stevens Lease

Date Feb. 13, 1952.

District Metcalf Mining Dist., Greenlee Co.

Engineer Axel L. Johnson

Subject: News Item--- Source of Information-- Personal visit.

Location The mine is located about 9 miles north of Clifton right on the east side of the Coronado Trail.

Number of Claims One patented claim. Name of the claim---- Molinar.

Owner Phelps Dodge Corporation.

Operator Charles E. Stevens, Box 772, Clifton, Ariz., leasing the mine from the Phelps Dodge Corp. The lease is to run a minimum of 5 years, with a royalty of either 8 or 10 per cent. The final papers on the lease have not, as yet, been signed. In return for getting this lease from the Phelps Dodge Corp., Mr. Stevens signed over his 12 unpatented claims, known as the Stevens and X. I. V. Mines, to the Phelps Dodge Corp. The Phelps Dodge Co. needed these mining claims for access roads and future mine developments.

Metals Present Copper minerals in the form of carbonates and sulphides mixed. Fissure veins, 1 in. to 3 ft. wide, in diabase, near a granite contact contain the ore.

Men Employed 3 men doing development work, getting ready for mining. This development work consists of retimbering an old drift, a small amount of new drifting, and building an ore bin. Also supplies---timber, rails, pipes, etc. is being obtained. Two roads into the property have already been built---- one road 1000 ft. long for the ore trucks, and one upper road 600 ft. long for the supplies.

Production Rate No production as yet, as the preliminary and development work is being done. Production expected to start in 60 days, with about 2 carloads per wk.

Milling Facilities No milling facilities. None are needed as the ore is of high enough grade for direct shipping.

Ore Values Ore runs from 3 to 15 % in copper values. The ore is a mixture of carbonates and sulphides--- cuprite, chalcocite, chalcopyrite, and chrysocolla.

Old Workings Present old workings consists of a tunnel into the mountain, with a couple of cross cuts from same--- about 1500 ft. of drift in all. From this tunnel and cross cuts, there are 6 raises leading up to some old ore stopes. Most of the chutes in these raises have ore in them---- the amount of same is not, as yet, known, but it appears that the amount may be considerable.

The mine is reported to have been originally owned by the Shannon Copper Co., who drove the tunnel and the cross cuts. It was later sold to the Arizona Copper Co., who, in turn, later sold it to the Phelps Dodge Corp., the present owners.

mine was last worked in 1927 by Riley and Serapio, leasing from the Phelps Dodge Corp. These leasers is said to have mined and shipped a considerable quantity of ore. Lease was cancelled by Phelps Dodge Corp. together with all their other leases in force at that time.

Proposed Work Expect to build and 80 ton ore bin.  
Will repair and retimber present tunnel and cross cuts.  
Will make new drift around an old winze, where ground is heavy.

DEPARTMENT OF MINERAL RESOURCES

STATE OF ARIZONA

~~FIELD ENGINEERS REPORT~~

NEWS ITEM

Mine Stevens Lease Date Feb. 13, 1952.  
District Metcalf Mining Dist., Greenlee Co. Engineer Axel L. Johnson  
Subject: News Item--- Source of Information-- Personal visit.

Location The mine is located about 9 miles north of Clifton right on the east side of the Coronado Trail.

Number of Claims One patented claim. Name of the claim---- Molinar.<sup>†</sup>

Owner Phelps Dodge Corporation.

Operator Oha s E. Stevens, Box 772, Clifton, Ariz., leasing the mine from the Phelps Dodge Corp. The lease is to run a minimum of 5 years, with a royalty of either 8 or 10 per cent. The final papers on the lease have not, as yet, been signed. In return for getting this lease from the Phelps Dodge Corp., Mr. Stevens signed over his 12 unpatented claims, known as the Stevens and X. I. V. Mines, to the Phelps Dodge Corp. The Phelps Dodge Co. needed these mining claims for access roads and future mine developments.

Metals Present Copper minerals in the form of carbonates and sulphides mixed. Fissure veins, 1 in. to 3 ft. wide, in diabase, near a granite contact contain the ore.  
Men Employed 3 men doing development work, getting ready for mining. This development work consists of retimbering an old drift, a small amount of new drifting, and building an ore bin. Also supplies---timber, rails, pipes, etc. is being obtained. Two roads into the property have already been built---- one road 1000 ft. long for the ore trucks, and one upper road 600 ft. long for the supplies.

Production Rate No production as yet, as the preliminary and development work is being done. Production expected to start in 60 days, with about 2 carloads per wk.

Milling Facilities No milling facilities. None are needed as the ore is of high enough grade for direct shipping.

Ore Values Ore runs from 3 to 15 % in copper values. The ore is a mixture of carbonates and sulphides--- cuprite, chalcocite, chalcopyrite, and chrysocolla.

Old Workings Present old workings consists of a tunnel into the mountain, with a couple of cross cuts from same--- about 1500 ft. of drift in all. From this tunnel and cross cuts, there are 6 raises leading up to some old ore stopes. Most of the chutes in these raises have ore in them---- the amount of same is not, as yet, known, but it appears that the amount may be considerable.

The mine is reported to have been originally owned by the Shannon Copper Co., who drove the tunnel and the cross cuts. It was later sold to the Arizona Copper Co., who, in turn, later sold it to the Phelps Dodge Corp., the present owners.

Mine was last worked in 1927 by Riley and Serapio, leasing from the Phelps Dodge Corp. These leasers is said to have mined and shipped a considerable quantity of ore. Lease was cancelled by Phelps Dodge Corp. together with all their other leases in force at that time.

Proposed Work Expect to build and 80 ton ore bin,  
Will repair and retimber present tunnel and cross cuts,  
Will make new drift around an old winze, where ground is heavy.

DEPARTMENT OF MINERAL RESOURCES

STATE OF ARIZONA

~~FIELD ENGINEERS REPORT~~

NEWS ITEM

Mine X. I. V. Mine

Date Dec. 11, 1951.

District Metcalf Mining Dist., Greenlee Co.

Engineer Axel L. Johnson

Subject: News Item--- Source of Information--- Chas. Stevens.

Location 7 miles north of Clifton, near the Coronado Trail.

Owner Chas E. Stevens, Box 772, Clifton, Ariz.

Operator Same as above.

Metals Found Copper in the form of oxides--- chrysotolla, malachite, azurite, chalcocit

Men Employed # men employed--3. Development work has been done to date, with a small amount of stockpiling.

Production Rate Not determined, as the work has been on deveopment. No ore shipped to date.

Market Facilities Will ship ore to smelter.

Ore Values According to Mr. Stevens, the ore zone is about 100 ft. wide, and he expects to mine ore averaging 4 % of copper. Evidently the ore occurs in narrow stringers in the ore zone.

Old Workings Several old tunnels and open cuts.

Present Operations Exploration and development.

Proposed Plans Indefinite. May sell or lease, or try to operate the ~~mine~~ mine himself.

RECEIVED

JAN - 2 1952  
DEPT. MINERAL RESOURCES  
TUCSON, ARIZONA

DEPARTMENT OF MINERAL RESOURCES

STATE OF ARIZONA

~~FIELD ENGINEERS REPORT~~  
NEWS ITEM

Mine X. I. V. Mine

Date Dec. 11, 1951.

District Metcalf Mining Dist., Greenlee Co.

Engineer Axel L. Johnson

Subject: News Item--- Source of Information--- Chas. Stevens.

Location 7 miles north of Clifton, near the Coronado Trail.

Owner Chas E. Stevens, Box 772, Clifton, Ariz.

Operator Same as above.

Metals Found Copper in the form of oxides--- chrysocolla, malachite, azurite, chalcocit

Men Employed # men employed--3. Development work has been done to date, with a small amount of stockpiling.

Production Rate Not determined, as the work has been on deveopment. No ore shipped to date.

Market Facilities Will ship ore to smelter.

Ore Values According to Mr. Stevens, the ore zone is about 100 ft. wide, and he expects to mine ore averaging 4 % of copper. Evidently the ore occurs in narrow stringers in the ore zone.

Old Workings Several old tunnels and open cuts.

Present Operations Exploration and development.

Proposed Plans Indefinite. May sell or lease, or try to operate the ~~mine~~ mine himself.

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

Date Nov. 9, 1948

1. Mine: X 1 V
2. Location: Sec. 32, 33 Twp. 3 S Range 29 E Nearest Town Clifton  
Distance 7 Direction South Road Condition Excellent Hwy 666
3. Mining District & County: Copper King Mt., Greenlee
4. Former Name of Mine: \_\_\_\_\_
5. Owner: Chas Stevens  
Address: Box 132 Clifton, Ariz.
6. Operator: None  
Address: \_\_\_\_\_
7. Principal Minerals: Cu Au.
8. Number of Claims: 12 Lode ✓ Placer \_\_\_\_\_  
Patented \_\_\_\_\_ Unpatented ✓
9. Type of Surrounding Terrain: Rugged, steep mountains  
Sparse vegetation. Few scrub pines on tops.  
El. var. 3900 to 4800.
10. Geology & Mineralization: Pre cambrian granite & schists  
Quartz monzonite porphyry. Mineralization  
in monzonite as oxides & carbonates. Small  
veins show chalcocite, Chalcopyrite.  
Some gold found in Chrysocolla specimens.
11. Dimension & Value of Ore Body: Two veins 30' x 400'  
0.5 to 1.0 g/a Cu. Small veins up to 24"  
give values up to 8 g/a. Some gold.

Property has value as future waste dump  
for Marenci pit because of location.

12. Ore "Blocked Out" or "In Sight": None except surface showings.

Ore Probable:

13. Mine Workings—Amount and Condition:

| No.              | Feet | Condition |
|------------------|------|-----------|
| Shafts. 1. 11/13 | 60'  | Good      |
| Raises.          |      |           |
| Tunnels. 2       | 300' | Good      |
| Crosscuts.       |      |           |
| Stopes.          |      |           |

14. Water Supply: Sufficient for camp and small mining operations (up to 100 tons daily) but not for concentrator. Spring.

15. Brief History: Property acquired ~~from~~ by present owner by inheritance from father who got it from original locators, Leginsky Brothers, who located it probably in 1870's. Claims are on Chase Creek and entirely surrounded by Phelps Dodge Corp. holdings.

16. Signature: Visited by Manning 11-9-48

17. If Property for Sale, List Approximate Price and Terms: Property for sale.

532 533(52) T2

DEPARTMENT OF MINERAL RESOURCES R29E

News Items 75 10-19-48

Mine XIV Group

Location Chas Stevens

Owner Clifton, NTS

Address Box 432

Operating Co. 12 claims

Address updat.

Pres. Rhyolite

Genl. Mgr.

Mine Supt. Min Chrysolite

Mill Supt. Cuprite

Principal Metals Apatite

Men Employed small veins

Production Rate in Rhyolite

Mill, Type & Capacity Monzonite Gneiss

Power, Amt. & Type Andesite dykes

some mineralized areas

25 to 30' wide

Signed (Over) Cont'd

DEPARTMENT OF MINERAL RESOURCES

News Items XIV (cont'd)

Mine for even small mill

Location thus shipping ore

Owner will have to be developed

Address surrounded by PDC

property. Has access

Operating Co. rights for tunnel

Address on old road across

About 2 mi. from pit

Pres. 1 mile from present

Genl. Mgr. dump.

Mine Supt.

Mill Supt. strike NTS

Principal Metals Dip SW

Men Employed

Production Rate

Mill, Type & Capacity see Lindgrens

report

Power, Amt. & Type Clifton-Poremi

Quadi

Signed (Over)

Present Operations

best showing on N side of property, near P.D.C. line. vein 20' wide 2 to 3% carb.

New Work Planned

CRYSOPHILITE ROAD built to cut. Ore can be shipped to Morenci

past history shows some

Misc. Notes ore shipped probably less than carloads

Claims acquired by present owner by grant from the son of original locator.

not sufficient water from spring for camp purposes and mining operations but not mill. Doubt if water can be developed

Present Operations

New Work Planned

Misc. Notes

6-2

**DEPARTMENT OF MINERAL RESOURCES**  
**STATE OF ARIZONA**  
**FIELD ENGINEERS REPORT**



Mine I.X.V. Group

Date Feb 5th, 1948

District Clifton Ariz

Engineer A.C.Nebeker

Subject:

This ~~is~~ not a report on the I.X.V. Group as a whole. The owner only wanted an opinion on a certain spot. He wished my idea as to the chances a lessee would have to make wages, or would the Bureau of Mines drill it.

The property is owned by Mr Chas. Stevens, located  $7\frac{1}{2}$  miles north of Clifton on Highway 666. It consists of 12 lode claims and is surrounded by the P. D. Company's holdings.

The spot visited show copper in the seams and crevices of the Monzonite Porphyry across about 50 feet. One spot on the surface Mr Stevens blasted and got about  $1\frac{1}{2}$  tons of ore, a sample from which ran copper 3%, SiO<sub>2</sub> 70%, Al. 10%.

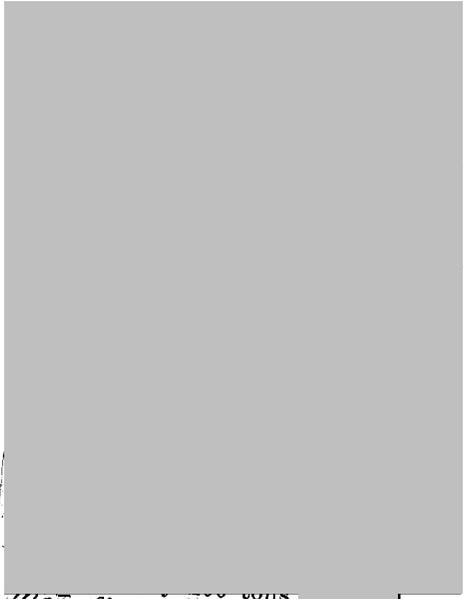
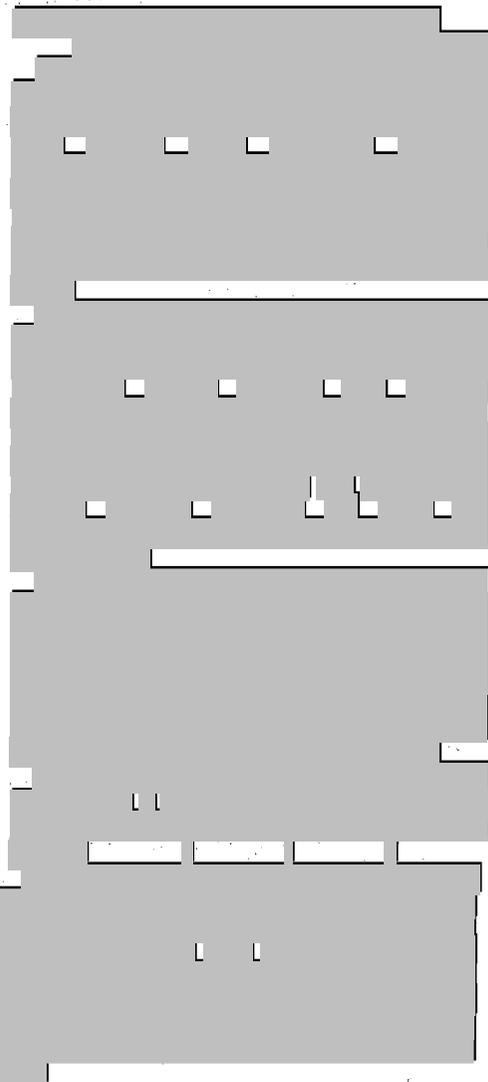
Topography is very rough.

I gave my opinion that a lessee under the present conditions would find it slim pickings, and that the Bureau of Mines would not look at it as a favorable venture. But, he could make application for drilling to get their reaction, as nothing ventured nothing gained.

The big open pit is but a short distance over the hill to the south west, and it is possible that like ore will be found under these holdings but to get it developed and producing is another story.

A handwritten signature in dark ink, appearing to be "A.C.Nebeker".

Pay dirt - 7/22/66



1127. MIN & PROCESSING 4/14/44

STEVENS, Charles E.  
Clifton, Arizona  
Box 772 (Dec 1951)

2-25-43

See S file - Re request for bulletin.  
EXPECTATION GROUP,  
See S file - Re report of claims

7-9-47

**X.I.V. Mine**

See "Phelps Dodge Leases" file Feb. 13, 1952

*Stevens Lease* - Greenlee Co. (Also called "Molinar Mine")



*MIN WORLD 6/1953*