



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.

01/30/97

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES FILE DATA

PRIMARY NAME: BIG PENNY CLAIMS

ALTERNATE NAMES:

BIG BEAR GROUP

GILA COUNTY MILS NUMBER: 477

LOCATION: TOWNSHIP 10 N RANGE 9 E SECTION 29 QUARTER S2
LATITUDE: N 34DEG 10MIN 34SEC LONGITUDE: W 111DEG 27MIN 31SEC
TOPO MAP NAME: NORTH PEAK - 7.5 MIN

CURRENT STATUS: EXP PROSPECT

COMMODITY:

COPPER OXIDE
SILVER

BIBLIOGRAPHY:

USGS NORTH PEAK QUAD
ADMMR BIG PENNY CLAIMS FILE
BLM AMC FILE 84121
PAYSON GOLD DISTRICT ADMMR CORRES FILE
CLAIMS EXTEND INTO SEC 28, 30, 31 & 32

BIG BEAR MINING COMPANY

Earl Chipley

Sam Dudley

Ray Dudley

TOM CARR

5607 N. 33rd Avenue

Phoenix, Arizona

MINE: BIG BEAR, Mazatzal Dist., Gila County- 12 claims -unpat'd lode
on Mineral Creek, E side Mazatzal Mtns-
OWNERS: above parties. 12 Mi. SW of Payson. 3-6-56

MINE: BLUE BIRD CLAIMS, Mazatzal Dist., Gila Co., 12 unpat'd lode claims
unsurveyed- on E flank Mazatzal Mtns. Also known as
"House Mine".

OWNERS: Same as above. 3-6-56

MINE: DENNISON CLAIMS, Mazatzal Dist., Gila Co., 12 claims, About 13
Mi. SW of Payson

OWNERS: Same as above. 3/6-56

MINE: MUSSO MINE, Turquoise Dist., Cochise Co. 9/7/56

HIGHLAND MINE, Cochise County May, 1956

CARR, TOM ET AL

BIG BEAR MINING COMPANY

5607 N. 33rd Avenue

Phoenix, Arizona.

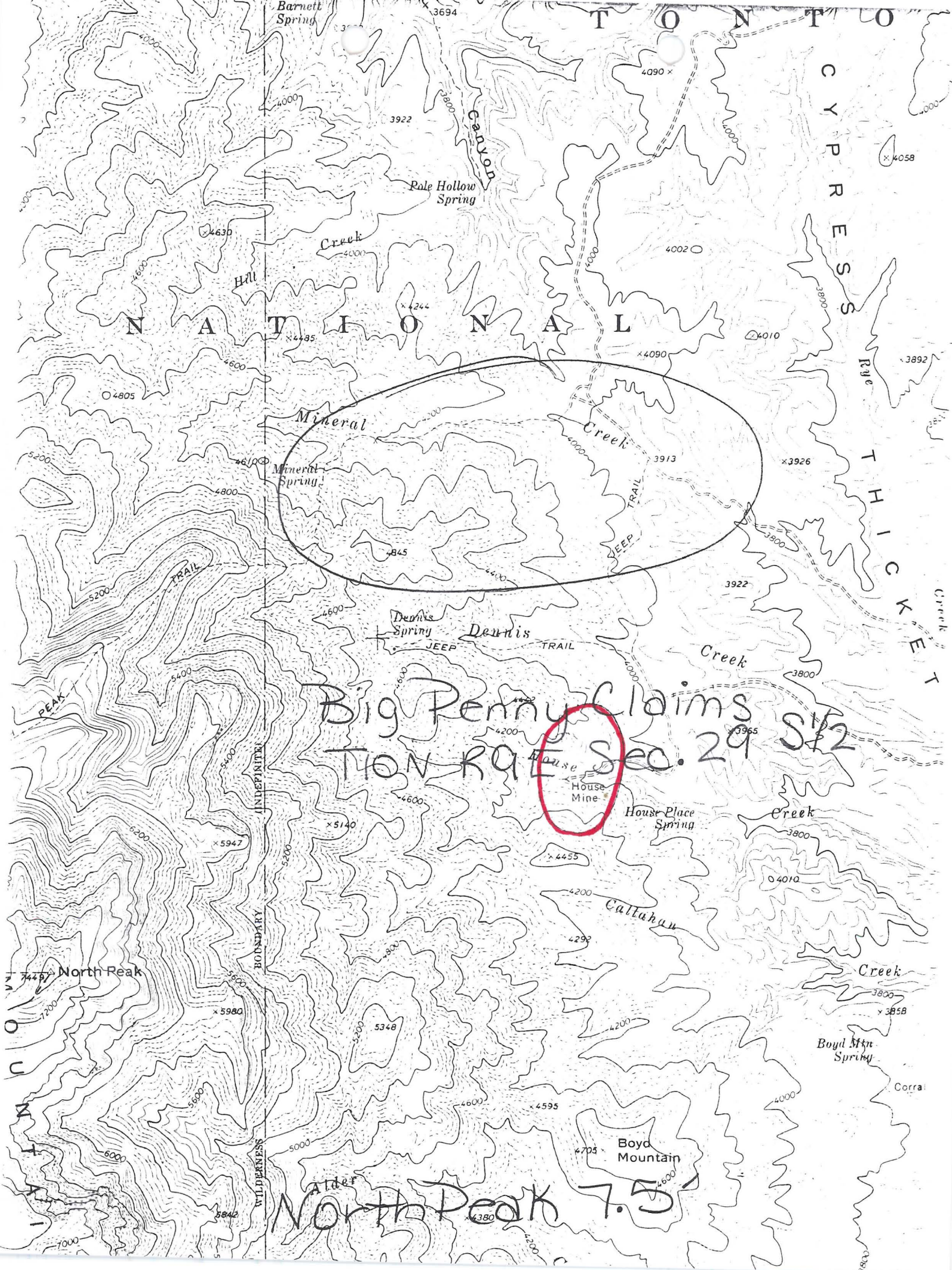
MINE: BIG BEAR, Mazatzal Dist., Gila Co.-12 Claims-unpat'd lode-
12 Mi. SW of Payson.

OWNERS: Same as above. 3-6-56

Mine; BLUE BIRD, Mazatzal Min. Dist., Gila Co., -12 Claims, unpat'd lode,
unsurveyed, E flank Mazatzal Mtns.

MINE: DENNISON CLAIMS, Mazatzal Dist., Gila Co., 12 claims, About 13
Mi. SW of Payson.

OWNERS: Above parties. 3/6/56



BIG PENNY CLAIMS

REFERENCES

GILA COUNTY
GREEN VALLEY DIST.
T10N R9E Sec. 29

Gila County MILS Index #477

AKA: Big Bear Group

Corres (file) Payson Gold District

North Peak, AZ 7.5' Topo (included in file)

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

✓
BIG BEAR MINE, Payson (Green Valley Dist) GILA CO. 1-15-57

✓ George M. MacMillan, Suite 416-425 Alaide St. West
Toronto, Canada

✓ VIOLA MAC CO. (Temp. closed)

✓ W. R. Dudley, Agent

✓ COPPER

Diamond Drilling

L.A.S.

BIG PENNY CLAIMS

GILA COUNTY

Visited Nick Carouso at his home and laboratory. Phoenix Venture (Coleman Morton of Morton Salt) has option of Carouso's Big Penny Claims. They are also trying to acquire option on Copper Mountain Group of 100 claims. Max Kofford is Manager for Phoenix Ventures. They drilled several shallow holes on the Penny Claims, with discouraging results. Carouso shipped 33½ dry tons of unsorted ore from Copper Mountain. FTJ WR 3-3-67

Visited with Nick Carouso and examined maps and geochemical results of Penny Group of claims. FTJ WR 9-15-67

Went on to Payson and visited with Mr. Dudley who said there was a lot of talk but no action on Au prospects in the district. The Chemtec Co. of California has leased his 52 unpatented Cu claims at the head of Rye Creek and expect to get started mining very soon. GW WR 10/17/74

[REDACTED]

FILED FOR NOVEMBER 24, 1974

Accompanied Mr. Watzek to the Big Penny property about 10 miles SW of Payson where there was no activity. Went on into Payson and contacted the U.S. Forest Ranger's office where they said they knew of no recent exploration in the vicinity of Mineral Creek. Stopped at Mr. Chas. Dudley's place, Mr. Dudley is reported to be the owner of the claims. He said last August he had made a deal with Charles Skinner, Vancouver, for 1 year to explore the property. Skinner had had a geologist on the claims until bad weather and will bring in a drill rig soon, according to Mr. Dudley. He had no knowledge of the two characters Andy had in his file, Messrs. Haeffelen & Williams. GW WR 3/31/76

Mr. James Waterhouse, retired USBM engineer, came in to discuss the expulsion of the Golden Angel Mining Co. from the Big Penny claims 20 miles SW of Payson by the US Forest Service. Golden Angel, a Vancouver concern, apparently built a road and several drill pads with which the US Forest Service's Mr. Brandt objected. GW WR 6/21/76

DEPARTMENT OF MINERAL RESOURCES

**STATE OF ARIZONA
FIELD ENGINEERS REPORT**

Mine **Big Bear Claims**

Date **October 20, 1961**

District **Green Valley District, Gila County**

Engineer **Lewis A. Smith**

Subject: **Interview with Ray Dudley**

Mr. Dudley said that the Big Bear has several veins within an area 1800 feet long and 425 feet wide, the principal vein being 60 feet wide and assaying about $1\frac{1}{2}$ to 3 percent copper. The others range from 5-30 feet wide and assay about the same. Several drill holes sunk in 1957, indicated that the oxides are fairly deep.

He wanted information on leaching since he has^a/client who wishes to get a leachable property.

DEPARTMENT OF MINERAL RESOURCES

STATE OF ARIZONA

FIELD ENGINEERS REPORT

Mine Big Bear Claims

Date April 8, 1959

District Green Valley District, Gila Co.

Engineer Lewis A. Smith

Subject: As reported by W. R. Dudley

Owners: W. R. Dudley et al, 6515 N Third Avenue, Phoenix

Nearest Town: Payson (11 miles east by road) 7 miles air line.

Location: In foothills of the Mazatzal Mountains, south of Copper Mountain

Minerals: Gold and copper.

Property: 20 unpatented claims.

Work: The property has several shallow shafts or pits, the deepest of which is 20'. Three adits, 75', 98' and 50' respectively are open. The 50' adit has 44' of nearly 2% ore exposed. Viola Mac Company, George McMillan, President, of Toronto, Canada, drilled eight holes which totaled 2000' and averaged 250'. A deep hole encountered bornite and chalcopyrite at 425' and did not bottom these sulphides. This drilling roughly indicated a mineralized zone which is 1800' in length and 900' wide, and averaged from 1% to 2% in copper with appreciable gold content.

Geology: The mineralization, while general, is more concentrated in several bands, the ~~width of which is~~ ^{maximum} ~~40'~~ ^{width of the band being} 40'. The main host rock is greenstone, with lesser amounts of granite and diorite. The greenstone, characteristically, is composed of undetermined rocks which are partly ancient sediments and partly old volcanics, all of which are intensely metamorphosed. Oxides of copper are prevalent in the upper portions of the mineralized area. The better mineralized zones trend E-W and are variable in dip. However, they appear to be consistent along the strike, but vary somewhat in width. The intervening areas show disseminated mineralization.

The mine has been examined by Phelps Dodge (Louis Reber) Viola Mac (who drilled it) and by Miami Copper. According to these reports, as stated by Mr. Dudley, the property was not condemned by any of these groups. (It is to be noted, however, that Viola Mac's drilling yielded only about 30% of core recovery and the sludge was wasted.)

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
FIELD ENGINEERS REPORT

Mine **DENNISON CLAIMS**
District **MAZATZAL, GILA COUNTY**
Subject: **Activity report**

Date **March 6, 1956**
Engineer **B. J. SQUIRE**

The Dennison Claims are on Dennison Creek on the east side of the Mazatzal Mountains about 13 miles SW of Payson.

The property consists of 12 mining claims joining the Big Bear Group on the north and the Old House (Blue Bird) property on the south. The claims were located in September of 1955.

Geology and Mineralization is very similar to the copper claims lying along the east flank of the Mazatzal. In the location holes investigated the copper was associated with monzonite dikes.

Owners - **Big Bear Mining Company**
↓ **Earl Chipley et al,**
5607 N. 33rd Avenue
Phoenix, Arizona

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
FIELD ENGINEERS REPORT

Mine **BIG BEAR MINE**
District **Mazatzal, Gila County**
Subject: **Report on activity.**

Date **March 6, 1956**

Engineer **B. J. Squire**

The **BIG BEAR MINE** is on Mineral Creek on the east side of the Mazatzal Mountains approximately 12 Miles southwest of Payson.

The owners of the Big Bear Mining Company are:

✓ Earl Chipley	-	5607 N. 33rd Avenue, Phoenix, Arizona
✓ Sam Dudley	-	Phoenix
✓ Ray Dudley	-	Payson
✓ Tom Carr	-	Phoenix

The property consists of 12 claims located in the fall of 1955.

They are unpatented lode mining claims.

Geology and Mineralization - Numerous monzonite dikes cut the precambrian schist-gneiss country rock. Favorable areas are mineralized, the most important being parallel quartz veins with variable but nearly vertical dips two to four feet wide which strike NNW parallel to the mountain axis.

The ore is a complex ore carrying up to 3% Cu, 4% Pb and considerable gold.

Activity - The Big Bear Mining Company has done considerable road work, making usable the road SW out of Payson to the mine. At present they are using a bulldozer to open up surface trenches for sampling and assessment work.

The company also owns the Dennison Claims and the Blue Bird Claims which is known as the Old House Property.

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
FIELD ENGINEERS REPORT

Mine ✓ **BIG BEAR CLAIMS**
District **MAZATZAL, GILA COUNTY**
Subject:

Date **July 24, 1957**
Engineer **Lewis A. Smith**

Big Bear Claims (On Rye Creek on north side of North Peak, in the north end of the Mazatzal Mountains), unsurveyed.

✓ Viola Mac Company, Owners

Drilled 7 DD holes, last summer but now inactive. Copper ore with some native copper was found but no information as to the grade of reserves was available.

The holes averaged 350' and ranged from 275 to 420'. Some were vertical and others were inclined.

(This information was obtained from the driller who contracted the work) It was verified by D. McGoan, area geologist.

Time did not permit a visit to the property but McGoan considered the occurrence as typical of the majority of the Mazatzal types. Greenstones are the host rock with dioritic intrusives in the vicinity.

(1966 ?)

THE BIG PENNY UNPATENTED MINING CLAIMS
GREEN VALLEY MINING DISTRICT, GILA COUNTY, ARIZONA

The "Big Penny" group of 56 unpatented mining claims situated in unsurveyed Sections 19, 20, 21, 28, 29, 30, 31, 32, 33, of unsurveyed Township 10 N., Range 9 E., G. & S.R.M., Green Valley Mining District, Gila County, Arizona, approximately 8 miles southwest of Payson, Arizona, is owned by Charles L. Dudley and Artie E. Dudley. Mr. Nicholas H. Carouso, Payson, Arizona, is the optionee and lessee of this group of claims.

The "Big Penny" group of claims was formerly known as the "Big Bear" group, and it was owned, at that time, by five partners whose names are as follows: Messrs. Raymond Dudley, Samuel Dudley, C. C. Dudley, Earl Chipley and Thomas Carr. This property was leased to the Viola Mac Mining Co., Toronto, Canada, during 1956-1957. The property was leased after Dr. J. Ambrose, Consulting Geologist for Viola Mac Mining Co., recommended its acquisition. The company immediately initiated an exploration program consisting of road building, landings for diamond drilling, 2250 feet of diamond drilling contracted by Boyles Bros. Drilling Co., Phoenix, Arizona, and limited stripping of mineralized structures for the purpose of obtaining assay data from unleached ore faces. Several hundred samples were collected and assayed by Arizona Testing Laboratories, Phoenix, Arizona, and it was found that the average copper content of mineralized vein material was 1.98 percent. Five (5) mineralized vein structures were uncovered that were approximately parallel to each other and dipping approximately 45° into a ridge, with widths of from 10 to 55 feet. The area between these five structures proved to be mostly barren at the surface, however, after diamond drilling it was found that the barren zone only extended to an average depth of 20 feet. Below this depth, the minimum copper content was 0.30 percent, which consisted of zones 15 to 20 feet in thickness between enriched zones with the copper content ranging from 1.5 to 2.8 percent, and with thicknesses of 8 to 20 feet, averaging 2.5 percent copper. The deepest hole was 425 feet vertical, had an average copper content of 2.5 percent in the mineralized zones, and bottomed in 2.5 percent copper. Along with the copper content, the 405-410 foot and 415-420 foot core sections assayed \$16.00 values in gold. To the depth of 400 feet, 80 percent of the copper mineralization of the ore bearing formations was Malachite and Azurite with the remainder mainly Chalcopyrite.

It was the opinion of Dr. J. Ambrose, that preliminary stripping of surface structures should produce 250 to 300 tons per day of 1.98 percent copper ore for a period of from 6 to 8 months before extensive benching would be required. It was also the opinion and speculation of Dr. J. Ambrose and several other geologists who examined the property, that the major ore body lay from 800 to 1500 feet below the surface. Mr. L. E. Reber, Phelps Dodge Corp., Jerome, Arizona, spent approximately 3 months on the property and he believed that this property was very similar to the mine at Jerome, Arizona.

Upon the termination of the lease period, Viola Mac Mining Co., withdrew against the recommendation of Dr. J. Ambrose, with the statement that the property was not quite what they wanted. However, thirty

days after the termination of the lease, Mr. George McMillan contacted Mr. Raymond Dudley requesting a one year extension of the lease, and appeared distressed when the owners could not agree and subsequently denied the request. Several other major companies tried unsuccessfully to obtain leases, due mainly to disagreement among the owners during negotiations.

Pilot plant leaching of surface and drill hole core samples proved very successful.

The silver potential of this property is minor as the average value was approximately 1 oz. per ton, however, occasional 5 foot core samples assayed up to 4 oz. per ton silver.

The above information was obtained from Mr. Raymond Dudley, a part owner of this property during 1956 and 1957, who was employed by the Viola Mac Mining Co., to supervise the surface work and diamond drilling program, and who along with Dr. J. Ambrose prepared all drill core and surface samples for assay.

Recent examinations of this property substantiate the surface showings referred to in the above information furnished by Mr. Raymond Dudley. The mineralized structures are readily traced on the surface. Structural interpretation utilizing the reported copper value at the bottom of the 425 foot diamond drill hole, and the attitude of mineralized structures substantiates the opinion of Dr. J. Ambrose and others as to the probability of copper mineralization at depths of 800 to 1500 feet.

Laboratory leaching studies currently being conducted indicate that this ore has excellent leaching characteristics and certainly substantiates Mr. Raymond Dudley's statement that pilot plant leaching of the ore proved very successful.

The area affords favorable sites for reduction plant and tailings disposal. Two year around springs are available at this property and appear to produce sufficient water for a plant to handle at least 1000 tons per day of ore.