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ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES AZMILS DATA

PRIMARY NAME: ST PATRICK MINE

ALTERNATE NAMES:

PIMA COUNTY MILS NUMBER: 261

LOCATION: TOWNSHIP 14 S RANGE 2 E SECTION 33 QUARTER C
LATITUDE: N 32DEG 09MIN 55SEC LONGITUDE: W 112DEG 10MIN 04SEC
TOPO MAP NAME: QUIJOTOA MTS - 15 MIN

CURRENT STATUS: PAST PRODUCER

COMMODITY:

COPPER SULFIDE
SILVER SULFIDE
GOLD LODE

BIBLIOGRAPHY:

S.B. KEITH, AZBM BULL. 189, P. 141, 1974
ADMMR ST PATRICK MINE FILE

04/16/86

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ADMMR ST PATRICK MINE FILE

The Netherlin Copper Claims are now controlled by Wm. A. Knox, 8967 Ladue Rd., St. Louis, Mo. These have been included in the 28 claims listed under St. Patrick claims.
LAS 9-20-61

According to Tom Jones, who watches over the Knox properties, the drilling has ceased on the St. Patrick. He did not know why but he had heard that results from the first holes were disappointing. LAS Memo 11-8-61

Mr. Woolf stated that William Knox had given up his lease and that the owners now are:

1. R. E. Woolf, 806 W. Roosevelt, Phoenix (agent)
2. Benson Lake of Maryland
3. Tom Levensgood, New Jersey
4. Sara Bartlett, Casa Grande, Arizona

Each has $\frac{1}{4}$ interest.

The old dumps were recently sampled and assayed 2 ounces silver, 0.01 ounces gold per ton and 4 per cent copper. This is oxidized copper mostly containing chrysocolla and malachite as fracture coats in altered rhyolite. The drill core showed that quartz-monzonite porphyry underlies the rhyolite flows and contains considerable disseminated pyrite.

LAS Memo 2-4-63

Conference with William Coplan

Coplan said that it was rumored some time back that a group was going to drill the St. Patrick Claims, but that so far nothing had materialized. LAS Memo 4-8-65

Went on to Ajo and visited briefly with Mr. Netherlin who had nothing new to report.
GW WR 10/18/72

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DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
FIELD ENGINEERS REPORT

Mine HORSE WHIM MINE Date March 22, 1957
District Quijotoa Mining District, Pima County Engineer B. J. Squire
Subject: Field Engineers Report

St. Patrick Claims

June 5, 1956

Location - R2E, T14S (unsurveyed), Papago Indian Reservation, Quijotoa Mining District, Pima County, Arizona. Property consists of 12 claims, 1 mile west of Covered Wells Store and 2 miles north of highway on the south slope of Brownell Mountains.

Owners - A. C. Netherland, Ajo, Arizona, and others. Previous owner (before 1934) - Nate Morgan, (worked for gold).

Geology & Mineralization. Country rock is rhyolite and rhyolite porphyry intrusive into granite.

There are several parallel copper bearing veins with up to six feet ^{of green} carbonates carrying up to 2% copper alongside specularite from 6 inches to 18 inches wide.

The whole area has a reddish brown cast and scattered green stains of copper and may be the capping of a large low-grade orebody. A diamond drill hole in 1955 showed 0.5% copper as chalcocite at 250 feet.

The gold ore is in calcite stringers and a shaft 150 feet deep has been dug on one of these.

January, 1957

The Miami Copper Company is doing some churn drilling on the property at this time. Results are unknown. LAS says they drilled 3 holes and he ties it with Netherland Copper property - also with St. Patrick Group. FPK

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DEPARTMENT OF MINERAL RESOURCES

STATE OF ARIZONA

FIELD ENGINEERS REPORT

Mine The Netherland Copper Property

Date November 6, 1957

District Cimarron - Pima County

Engineer Lewis A. Smith

Subject:

Owner: A. C. Netherland, Court House, Ajo, Arizona

Location: Sec. 29-35 T⁶13S R¹⁴2E
SW W End of Brownwell Range.

This data was obtained from the Miami Report

Miami Copper Co. drilled 3 churn drill holes as indicated on the accompanying map. These were as follows:

CD No1 - 152'

CD No2 - 130'

CD No3 - 256'

The sludge descriptions indicate that the oxidized capping area was not penetrated. Some sulphide was mentioned from the lower part of CD No3. An earlier diamond drill hole No1 penetrated some low grade sulphides at 325 feet. The capping has disseminated tourmaline needles in a wide zone through the center of the area. This tourmaline zone trends N and S. This is an unusual feature in a porphyry area.

The area is largely composed of quartz Monzonite porphyry which has been invaded by tourmaline and sericite. The base rocks were pre-Cambrian schist and hornfels and this was later covered by Tertiary basalt and gravel deposits. Along the western border of the area studies, Comanche shales and sandstones of Cretaceous age underlie the basalt. Since these have been metamorphosed by the monzonite it is assumed that the quartz monzonite porphyry is post-Comanche. All formations in the north-part of the area have been cut by a tremendous NE-SW trending fracture, or shear zone. A few diabase dikes have cut the quartz monzonite porphyry in the south part of the area. A little basalt covers the quartz monzonite porphyry on the west slope of Brownwell Peak.

The porphyry has been shattered by congregate fracturing on an intimate scale. The sheeting trends NE & SW at about N55E and it dips at various angles from 60° to vertical.

DEPARTMENT OF MINERAL RESOURCES

STATE OF ARIZONA
FIELD ENGINEERS REPORT

Mine St. Patrick Claims Date September 5, 1961
District Quijotoa District, Pima Co. Engineer Lewis A. Smith
Subject: Interview with Wm. A. Knox (owner).

Property: 28 claims (unpatented)

Owner: Wm. A. Knox, 8967 Ladue Rd., St. Louis, Mo.

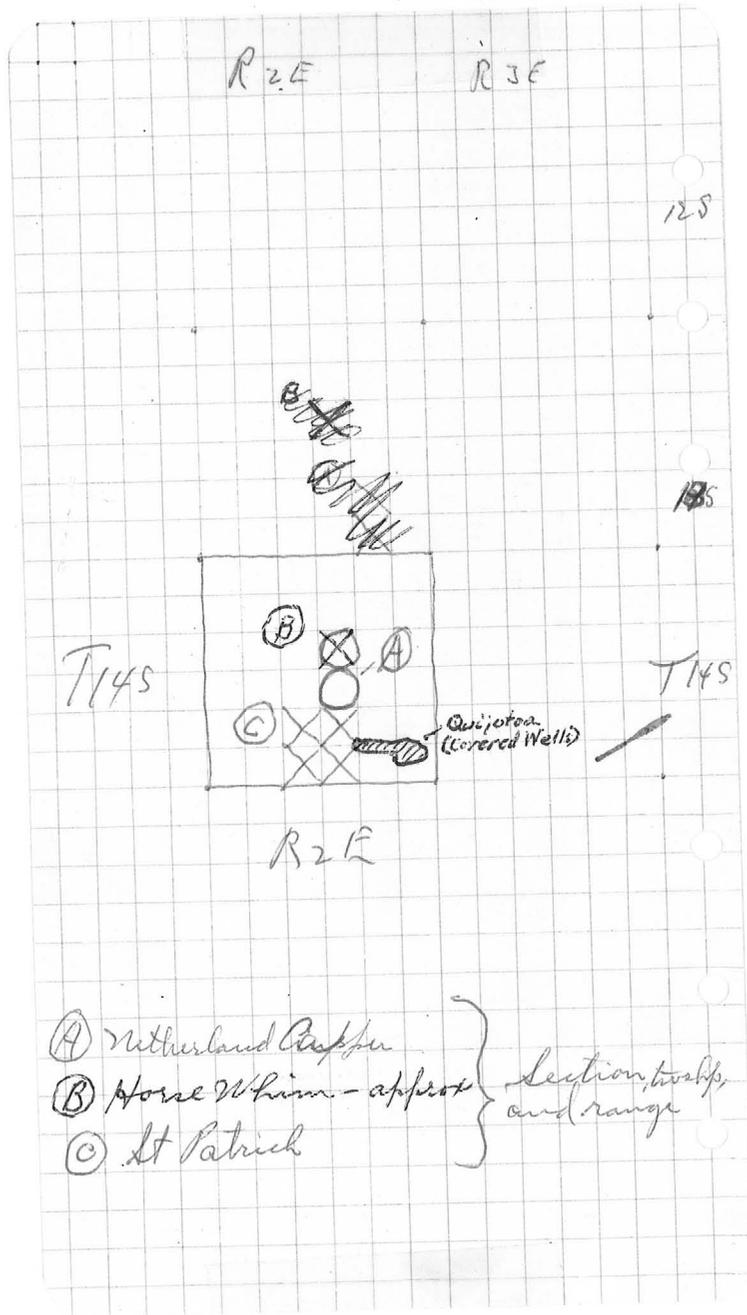
Location: Claims straddle Tucson-Ajo highway (approx. S. 27-28, 33-34, T. 14 S., R. 2 E.), 2 $\frac{1}{2}$ miles west of Quijotoa (Covered Wells).

Mineral: Copper & possibly silver as accessory.

Work: 1 tunnel, 200' long, and numerous location pits. The claims are now being drilled with a rotary core drill. The first hole is down about 200 feet. Plans call for more holes. Stopped soon after. Mineralization mostly pyrite.

Geology: This portion of the Quijotoa Mountains is composed of andesitic flows overlying monzonite porphyry. The monzonite porphyry has rather coarse feldspar phenocrysts (probably close to andesine), augite, biotite and plentiful chlorite as a hydrothermal alteration. The chlorite is strongly impregnated by pyrite which is notably pitted by supergene solutions. At about 175 feet the core shows some spongy iridescent covellite which coats the pyrite. The pitting could mean that the pyrite was once coated by chalcocite or that it contained chalcopyrite. The pit could also indicate strong pyrite leaching. The rock is relatively dense but has been fractured by conjugate type fractures. Kaolinization, while locally strong does not appear to be prevalent except adjacent to the fractures.

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ST. PATRICK'S GROUP COPPER CLAIMS.

This group of 17 unpatented claims are located on the Papago Reservation about 60 south of Casa Grande, Arizona.

The apparent copper deposits appears to be more than 150 feet wide and over 1200 feet long, making for an ideal open pit mine operation. Further exploration may disclose a larger area than this.

Extensive bull-dozing has uncovered very rich looking ore for surface ore. Some of this has been shipped to Phelps Dodge Smelter at Ajo, 45 miles distant. Results of these shipments showed about two per cent copper content.

Many colored photos of the deposit are available, which show the intense and widespread mineralization. Apparently it is shown by the bulldozing that any over burden is very thin and that ore production would be almost immediate.

As yet there are no geologic or other reports, although plans are now being made to have an examination made of the property very soon.

This property is FOR SALE at \$100,000 or will be leased upon very attractive terms.

Arrangements can be made on a few days notice to see and examine the property.

Property is reached via a good paved road from Casa Grande and is but a fraction of a mile from the main paved road to Ajo, Arizona. Property is located in Pima County.

*M. J.
C. J.*