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08/18/86

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES FILE DATA

PRIMARY NAME: COPPER SQUAW MINE

ALTERNATE NAMES:
OLD V O MINE

PIMA COUNTY MILS NUMBER: 255

LOCATION: TOWNSHIP 14 S RANGE 3 E SECTION 31 QUARTER C
LATITUDE: N 32DEG 09MIN 48SEC LONGITUDE: W 112DEG 06MIN 14SEC
TOPO MAP NAME: QUIJOTOA MTS - 15 MIN

CURRENT STATUS: PAST PRODUCER

COMMODITY:
COPPER OXIDE
SILVER OXIDE
URANIUM

BIBLIOGRAPHY:
S.R. KEITH, AZBM BULL. 189, P. 140, 1974
US AEC PRR PIMA COUNTY ARIZ, 1953, P. 655
GRANGER, H.C. & RAUP, R.B., 1962, USGS BULL. 1147A, P A29
ADMMR COPPER SQUAW FILE

COPPER SQUAW MINE
OLD V. O. MINE

PIMA COUNTY
QUIJOTOA DIST
T14S, R3E, sec 30,31

USGS Bull. 1147-A p. A29

ABM Bull 189 p. 140

USAEC Preliminary Reconnaissance Report P. 655

MILS Sheet sequence number 0040190179
GJBX 143 1981 Radioactive Occurrences and Uranium Production in Arizona p. 230
ABG&MT Report

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DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
FIELD ENGINEERS REPORT

Mine Copper Squaw Date January 10, 1961

District Quijotoa District, Pima Co. Engineer Lewis A. Smith

Subject: Visit - 1-10-61

Owner: Gus Dysthe, ~~5804 S 5th St.~~ 5403 S. Central Avenue, Phoenix, Arizona (BR 6-3290)
(Claude R.) 5408
Lessee: Ray Luper, ~~5804~~ S 5th St., Phoenix, Arizona (BR 6-3006)

Location: S 30, T 14 S, R 3 E (3/4 mile NE of Quijotoa (Covered Wells).

Work: Several shallow pits, bulldozer cuts, and one 30° inclined shaft 60 ft. or more down dip. In some places considerable areas have been cleaned by bulldozer to solid rock. The largest bulldozer cut reached a depth into the hill of about 12 feet. The mineral zone in the flat inclined shaft was apparently 2-6 feet thick.

Geology: The vein fracture is relatively flat and appears to possibly follow the contact between a coarse somewhat porphyritic flow of andesite underlain by a fine dense andesite. It is very probable that contact-slip type of fault was developed along this contact. If this concept is true the mineralization should continue downward to where the underlying granite, or monzonite-lava contact is reached. South of Quijotoa what appears to be monzonite outcrops out from under the flows. The Quijotoa granitic rocks appear to range locally from granite to monzonite, with a general resemblence to granodiorite in places. The mineralized area, or zone, trends variably from N 10°W to slightly NE. The dip ranges from 25° to 35° SW or west. The copper mineralization appears to have impregnated the gouge zone in the fault and to be decreasing by impregnation into the footwall. The hanging wall is not appreciably mineralized and is smooth and strong. The footwall tends to weave and to be less solid. The zone from the saddle, east of the leach plant, north to the fill is approximately 1000 feet long. The main mineralization ranges considerably in width or from 15-25 feet on the surface. In the cuts and shaft it is considerably narrower, being in places less than 4 feet thick in a plane perpendicular to the dip. The minerals are of oxidized copper, including chrysocolla, malachite, azurite, and a bright green fracture coat mineral similar to brochantite. The iron oxide or limonite locally indicates the presence of chalcopyrite and chalcocite.

It is recommended that drilling be done on the west side of the hill to contact the mineral zone in depth. In this respect it is to be noted that in faults of this type the width of the mineral zone may pinch and swell down the dip. It is not known how much of the accumulated andesitic flows have been eroded. They now do not appear to be too thick. It is possible that mineralization could continue along the flows granitic rock contact. (This would be an erosional contact.) Should the underlying rock be composed of monzonite, it is probable that this rock may also be mineralized.

In the exposed area the oxidized ores could be leached if they are crushed 1/4 to 3/8 inch size. In the previous vat leach attempt the material was too coarse to get quick recovery.

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Reference: USGS Bull. 1147-A, p. A29

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
FIELD ENGINEERS REPORT

Mine Copper Squaw Mine — Date November 30, 1960

District Quijotoa District - Pima County — Engineer Lewis A. Smith

Subject: Interview with Ray Luper

Property: 5 claims

Location: T14S, R3E, Sec. 30 (unsurveyed) - 3/4 miles northeast of Quijotoa Village.

Owner: Ray Luper, 5408 S. 5th St., Phoenix (276-3006)

Work: Bulldozer cut has exposed vein system in schist.

Geology: The area is mainly composed of schist intruded by dikes - probably andesite porphyry - and cut by a series of fractures which generally trend NW-SE and dip 60° SW. The principal mineralization is copper, mostly oxidized. Some of the mineralized fractures are 4-20 feet wide. Little is known about the areas between the fractures.

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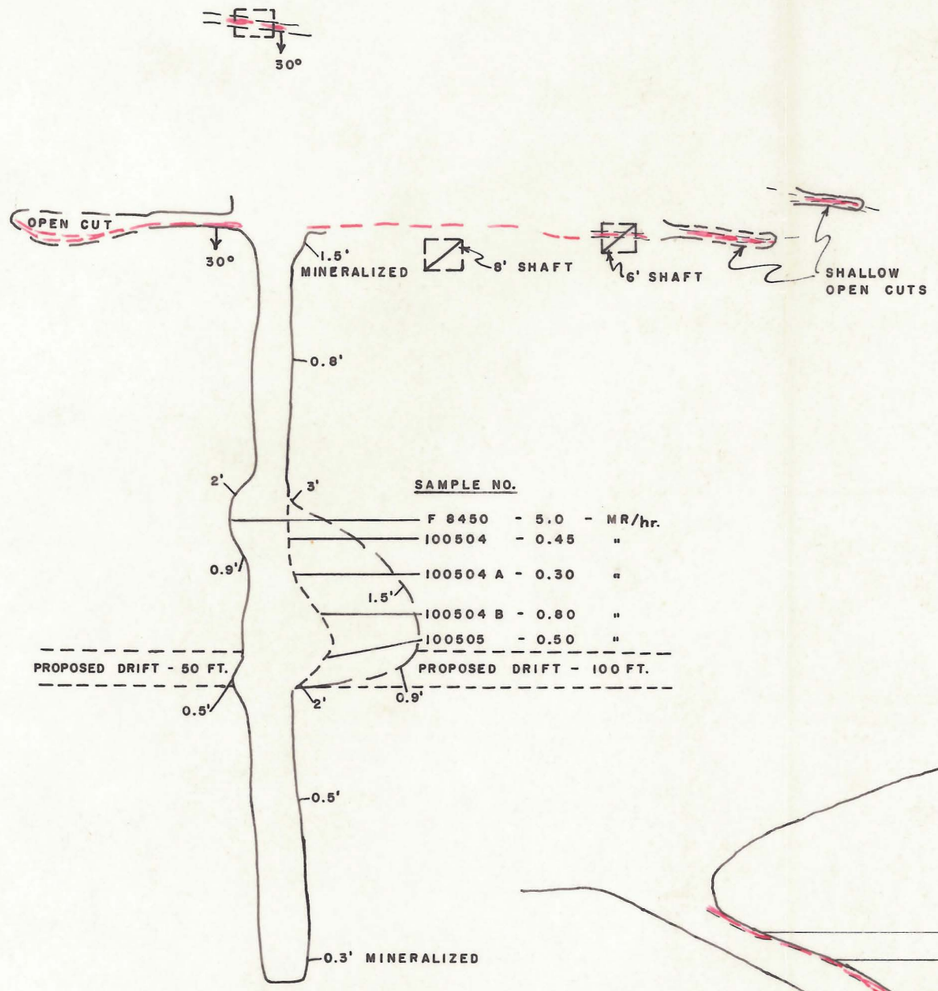
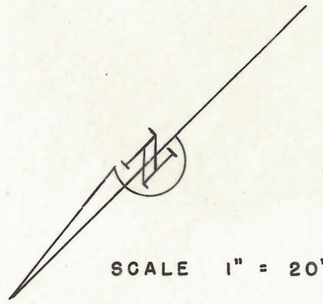
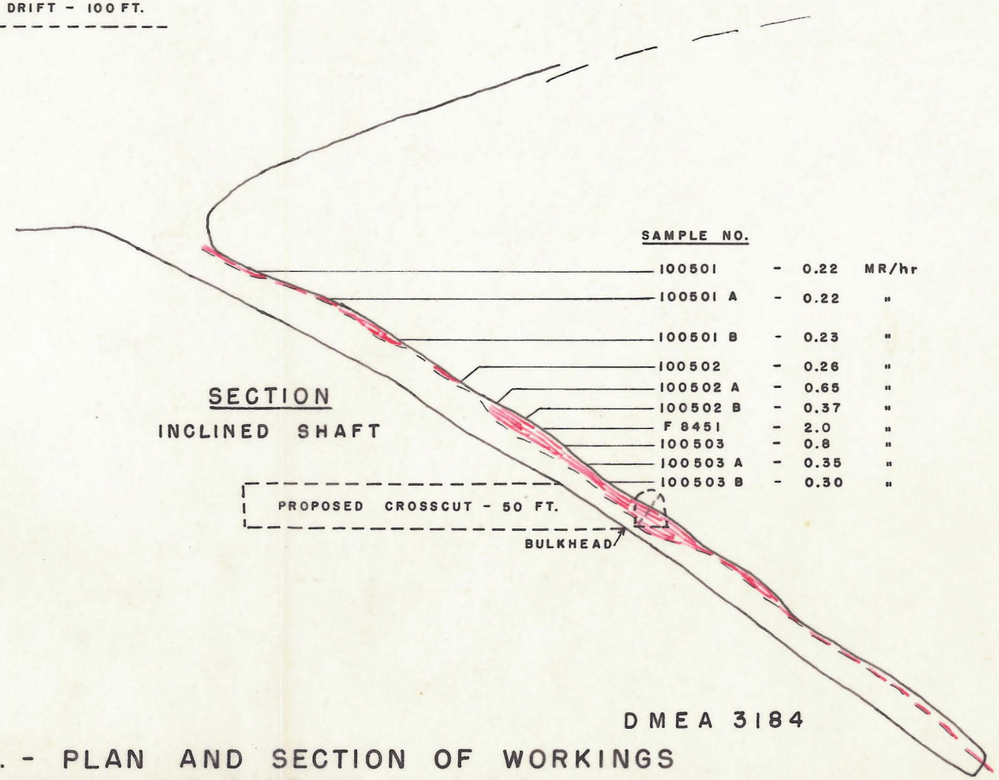


PLAN

INCLINED SHAFT





SECTION

INCLINED SHAFT

NOVEMBER 1953 DMEA 3184

FIGURE 2. - PLAN AND SECTION OF WORKINGS

SHOWING THE SAMPLING BY A. E. C.

JOHN A. COOLEY - COPPER SQUAW CLAIM - PIMA COUNTY, ARIZONA

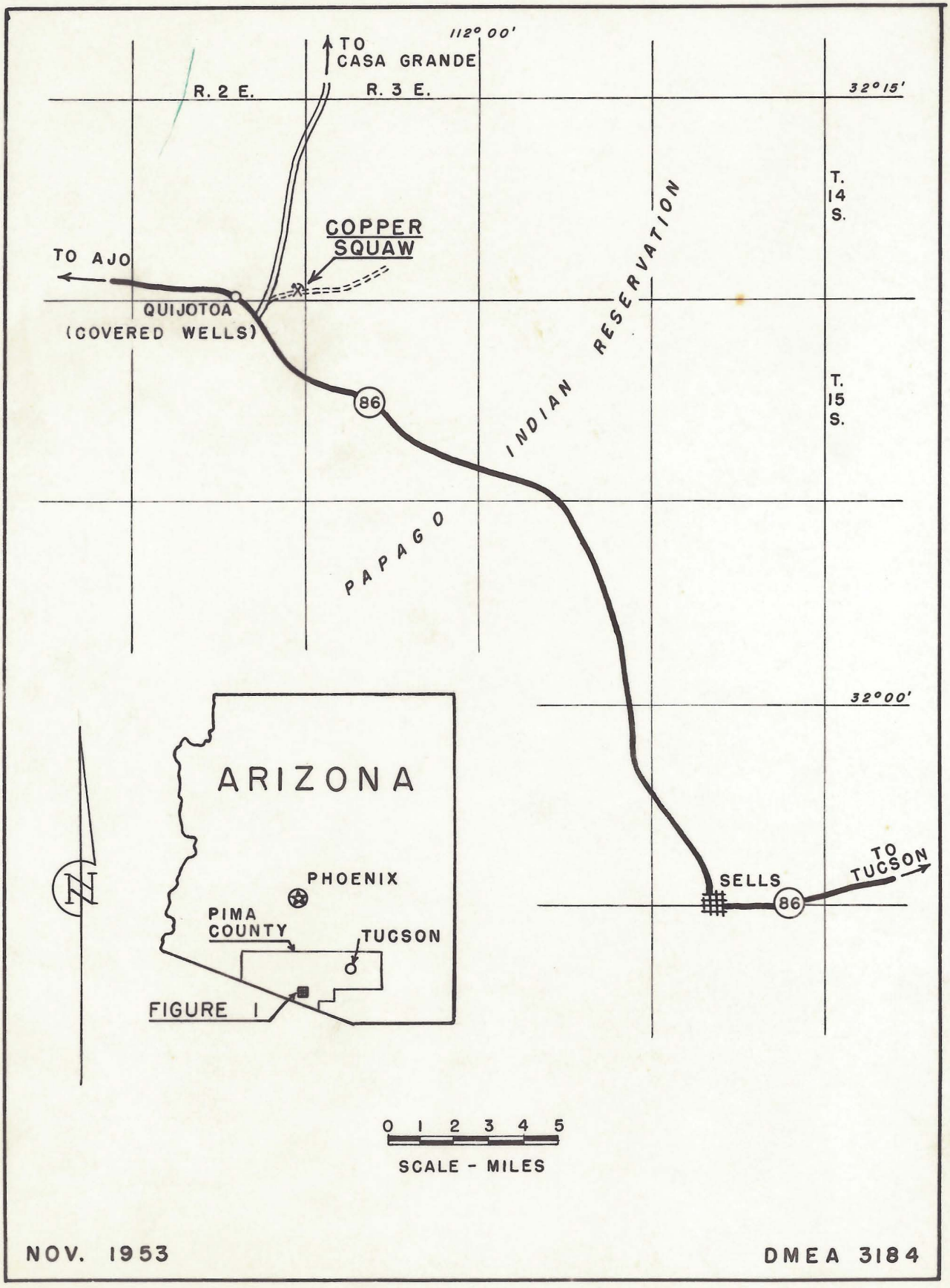


FIGURE 1. - LOCATION MAP - COPPER SQUAW CLAIM
PIMA COUNTY, ARIZONA