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ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES AZMILS DATA

PRIMARY NAME: INDEPENDENT I

ALTERNATE NAMES:

MARICOPA COUNTY MILS NUMBER: 541

LOCATION: TOWNSHIP 6 N RANGE 3 E SECTION 21 QUARTER C

LATITUDE: N 33DEG 51MIN 00SEC LONGITUDE: W 112DEG 03MIN 18SEC

TOPO MAP NAME: NEW RIVER SE - 7.5 MIN

CURRENT STATUS: RAW PROSPECT

COMMODITY:  
MANGANESE

BIBLIOGRAPHY:  
USGS NEW RIVER SE QUAD  
ADMMR INDEPENDENT I FILE

DEPARTMENT OF MINERAL RESOURCES

STATE OF ARIZONA  
FIELD ENGINEERS REPORT

Mine Independent I

Date September 29, 1961

District Cave Creek District, Maricopa Co.

Engineer Lewis A. Smith

Subject: Interview with Sam Tiano, 3331 W. Orangewood Ave., Phoenix

Location: Adjoins Roberts Chrysocola claim on north. (Approx. Sec. 21, T. 6 N., R. 3 E.)

Owner: Sam Tiano

Property: 1 claim (unpatented)

Access: Turn on New River Road (dirt) west from the Cave Creek-Phoenix Highway and proceed west for  $2\frac{1}{2}$  miles and thence turn right and follow a dirt road 1 mile north and then about  $3\frac{1}{4}$  mile east.

Work: Open cut 20 feet long and up to 8 feet deep. Shaft 20 feet deep beside the cut.

Mineral: Manganese

Geology: The area consists of schists trending NE-SW and dipping roughly  $45^{\circ}$  W. This schist varies from sericitic schist (very thin laminae) to coarse bedded quartz, mica schist. To the SW the schist was intruded by monzonite to diorite intrusive. The contact on the Robert's claim to the south is a fault of considerable throw. To the northwest and south the schist contains massive red and purple bands of jasper. At the shaft a N-S fault intersects a shear zone which trends nearly E-W. The manganese, psilomelane occurs at this intersection. The schist contains local quartz lenses and veinlets which concur with the schist laminae. The general manganese assay was about 25%. The better ore in local lenses runs up to over 40%. The lense as exposed, is 50 feet long and about 10 feet wide at the greatest width.