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ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES AZMILS DATA

PRIMARY NAME: GOODWIN PROPERTY

ALTERNATE NAMES:

PINAL COUNTY MILS NUMBER: 154

LOCATION: TOWNSHIP 2 S RANGE 13 E SECTION 33 QUARTER C  
LATITUDE: N 33DEG 12MIN 47SEC LONGITUDE: W 111DEG 01MIN 23SEC  
TOPO MAP NAME: TEAPOT MOUNTAIN - 7.5 MIN

CURRENT STATUS: PAST PRODUCER

COMMODITY:  
COPPER  
LEAD  
GOLD  
IRON

BIBLIOGRAPHY:  
ADMMR GOODWIN PROPERTY FILE

WAPC LOCATION                      COLE + GOODWIN ?  
How about TIS ?                      MSN S-2003  
R14E    (NO PATENTS HERE ?)  
Sec 34

STILL PROBLEM WITH LEAD SMITH REPORT  
CALLING OUT 3 PATENTED MINING CLAIMS

# DEPARTMENT OF MINERAL RESOURCES

STATE OF ARIZONA

## FIELD ENGINEERS REPORT

Mine Goodwin Mine

Date October 28, 1957

District Southeast of Superior, Pinal County.

Engineer Lewis A. Smith

Subject:

Goodwin Mine is 8 miles southeast of Superior and south of the Gibson Mine, Pinal County.

Owners: Tony Johnson and Sol Goodwin, both of Superior.

Operators: Tony Johnson and associates, Box 253,  
361 Ray Rd. Superior, Arizona.

Claims: 3 Patented and 2 unpatented claims.

Work: 150 Foot tunnel and 75 foot shaft.

Reserves: The property has a large dump containing about 30,000 tons, and about 10,000 tons of ore in place. Dump samples indicate an average grade of 2-4% copper and 25-35% of iron. The minerals are chalcopyrite, covellite, and pyrite with some gold, which is associated with the pyrite. Underground reserves range from 3-4% copper, 2 ozs. silver, and about \$2.00 in gold. Some better pillars and lenses run up to 12% copper. The underground ores follow a N.S. Fracture.

The dump lies on a natural slope of 60° and the rock under the dump is largely schist whose bedding planes dip 45° in an opposite direction from the 60° slope. This dump toes in a narrow box canyon and copper sulphate, leached from the dump during rainy periods, lies in a coat on the canyon bottom. Johnson proposes to leach the dump in place by use of water in perforated pipes driven into the dump. There is much more pyrite than would be needed to provide leaching acid. A vat for solution collection and precipitation is to be erected below the dump.

A small crushing and sizing plant is to eventually be built also. This plant will reduce the coarse material to proper sizes (preferably about  $\frac{1}{4}$  to  $\frac{1}{2}$ ").

Screen analysis on the dump shows about the following sizing:

35% minus 8" mesh  
25% plus 2" mesh  
15% plus 4" mesh  
25% between 8" and 2" mesh.