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ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES AZMILS DATA

PRIMARY NAME: HOPE

ALTERNATE NAMES:
 ESPERO
 HIGH NOON

GRAHAM COUNTY MILS NUMBER: 224

LOCATION: TOWNSHIP 9 S RANGE 25 E SECTION 13 QUARTER C
LATITUDE: N 32DEG 39MIN 04SEC LONGITUDE: W 109DEG 44MIN 26SEC
TOPO MAP NAME: ARTESIA - 7.5 MIN

CURRENT STATUS: PAST PRODUCER

COMMODITY:
 COPPER OXIDE
 COPPER

BIBLIOGRAPHY:
 ADMMR HOPE MINE FILE
 USAEC PRELIM RECONN. REPORT 172-481, 1954
 P. 377

06/06/90

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OWNERS

ADAMS, Burns L. of Miami, Ariz (1952)

~~BURNS ADAMS~~

and

Pete Talley
Safford, Arizona

and
Don C. Adams

MINE

MULES POOKER CLAIMS

HOPE MINE

OWNERS

PETE TALLEY

and

Burns Adams
Safford, Arizona

MINE

MULES POOKER CLAIMS

No mules Pooker Claims File

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
FIELD ENGINEERS REPORT

Mine Hope Mine
(Old Name ----- Espero Mine) +
District Graham County

Date Sept. 5, 1952.

Engineer Axel L. Johnson

Subject: Mine Report ----- Personal Inspection

Location Secs. 12 or 13 --- T 9 S --- R 25 E
Go south from Safford for 13 miles on Highway # 666. Turn right at NA Ranch sign, and go 3 miles west. The last 3 miles of road is very poor--- first part being sandy and the last part rocky. Some new road construction should be made across the washes, and along the rocky hillside.

Number of Claims 5 unpatented claims located about 2 1/2 years ago.

Owners Don C. Adams, Box 618, Safford, Ariz.
 Burns L. Adams, Miami, Ariz.

Operators Not in operation at present time, but future operation contemplated.

Principal Minerals Copper ore--- oxides and carbonates.

Number of Men Employed None.

Geology Copper ores are found in a vein from 4 ft. to 6 ft. wide. Vein is vertical and strikes NW & SE. Vein material is predominantly quartz, with some copper minerals contained with the quartz. Copper minerals are chrysocolla, mala-chite, cuprite, and chalcocite. Besides this main vein, there are a number of narrower cross veins. Both the footwall and hanging wall of the vein is Granite Porphyry.

Ore Values Estimate of ore values would be as follows:
Vein material would run about 75 % waste and about 25 % of ore sorted by hand. This ore may run from 5 to 5.5 % Copper with high silica values.

Ore In Sight Length and depth of vein has not been determined.

Present Mine Workings Present owners repaired and retimbered an old shaft 70 ft. deep down to the 50 ft. level, and ran a new drift 27 ft. long on the 50 ft. level. Also installed gallows frame, hoist and compressor. Present owners shipped 5 tons of ore to the International Smelter at Miami, Ariz. This assayed Copper 5.5 %, Silver 1.1 oz., Gold trace, Silica about 65 %.

Past History This mine was operated many years ago by some Mexicans. Mining was conducted by them through the 70 ft. shaft now being used by present owners, and also in an open cut 6' x 6' x 65' long. Ore was carefully hand sorted and taken down the mountain by burros, and is said to have run as high as 10 % Copper.

Proposed Plans Owners intend to repair present shaft down to the 70 ft. level, and then drift NW & SE from bottom of the shaft in the ore vein. Owners plan on working the mine themselves, but will consider sale or lease, if favorable offer is obtained.