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07/23/97

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES FILE DATA

PRIMARY NAME: STOCKTON CLAIM

ALTERNATE NAMES:

ARLENE
MINT
TREASURE

MARICOPA COUNTY MILS NUMBER: 102

LOCATION: TOWNSHIP 4 S RANGE 5 W SECTION 12 QUARTER NE
LATITUDE: N 33DEG 05MIN 55SEC LONGITUDE: W 112DEG 43MIN 50SEC
TOPO MAP NAME: COTTON CENTER - 7.5 MIN

CURRENT STATUS: EXP PROSPECT

COMMODITY:

MICA MUSCOVITE
GOLD LODE

BIBLIOGRAPHY:

USGS COTTON CENTER QUAD
ADMMR STOCKTON CLAIMS FILE

DEPARTMENT OF MINERAL RESOURCES

STATE OF ARIZONA
FIELD ENGINEERS REPORT

FILED
MAR 10 1964

Mine STOCKTON CLAIMS (ARLENE, MINT & TREASURE) Date 2/17/64
District GILA BEND MOUNTAINS, MARICOPA COUNTY Engineer Lewis A. Smith
Subject: Conference with John Lemons, 2/17/64.

PROPERTY: 3 unpatented claims (old); (Arlene, Mint, & Treasure). End to end in a N-S direction. Located in 1895 by Wm. Stockton.

7 new claims presently being located to cover pegmatite dikes not within the three original claims (by John Lemons).

LOCATION: Central portion of T3S, R5W (4-5 miles SW of Gillespie Dam and 4-5 miles east of Woolsey Peak).

ACCESS: Paved Hwy to Gillespie Dam thence south 3½ miles on a ranch road to north edge of property.

OWNER: John Lemons, 1701 E Apache St, Phoenix.

WORK: (1) Old Work: 2 inclined shafts in footwall of a pegmatite dike. The first and deepest is near the middle of the Mint or middle claim. The second shaft is on the Treasure Claim.

MINERALS: Gold and Mica.

GEOLOGY: The early workings follow the footwall contact of the developed pegmatite with granitic rocks (mainly granite and granitic gneiss). This contact dips westward at 60-70 deg., and strikes nearly N-S with local flexures. The contact is heavily iron oxide-stained and apparently was worked for gold. Lemons states that he panned the iron-stained material and got a few small colors. The pegmatites vary in width but reach over 100 feet in one place. ^{They} ~~It~~ contains pink orthoclase feldspar, 16 percent of white, clear mica ^{according to Lemons} in disseminated small books, and some quartz. The contact zones show a little chlorite and the limonite is predominantly from pyrite (as indicated by a suite of specimens). Copper oxidized minerals, mostly chrysocolla are sporadic.

According to the Arizona Bureau of Mines Geological Map for Maricopa County, in which the property is located, ^{the area} ~~consists~~ mainly of granite and related crystalline rocks (gneissic in places) that are cut by a series of N-S trending and roughly parallel pegmatite dikes, all of which are, according to Lemons, 60 to 100 feet wide, with common local variations. Along the west and north borders of the granitic rocks they are capped by late Tertiary basalt flows. To the east the granitic rocks plunge under the valley fills of the Gila River. Probable lake deposits may underlie the later gravel mantle as is the case further south. (Here J. Pogue and associates drilled a 500-foot test well and encountered flat bedded deposits that were relatively high in potash, iron and soda content). (Separate report later). To the south the granitic mass is overlain by Cretaceous sandstone, shale and conglomerate which, in turn, are overlain by patches of andesite flows. A portion of the south border of the sediments is composed of gneiss. The gneiss contact with the granite is obscured by a wide neck of sediments.

ECONOMICS: Lemons said that ^{he} is negotiating with a Salida, Colorado mica man, Keith Alexander, 3A Research, Dev. and Mining Engineers, who has been testing for the best method of handling the mica. Scrap mica is priced at \$30 to \$32 per ton when cleaned. Ground and sized products draw a much better price if the mica is white and uniform in size. Ground mica is shipped in 100 lb. paper bags and sold in lots ranging from bag to carlots.