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ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES AZMILS DATA

PRIMARY NAME: MARICOPA MICA MILL

ALTERNATE NAMES:

PINAL COUNTY MILS NUMBER: 731

LOCATION: TOWNSHIP 5 S RANGE 2 E SECTION 9 QUARTER E2
LATITUDE: N 33DEG 00MIN 29SEC LONGITUDE: W 112DEG 09MIN 14SEC
TOPO MAP NAME: ENID - 7.5 MIN

CURRENT STATUS: UNKNOWN

COMMODITY:
MILL

BIBLIOGRAPHY:
ADMMR MARICOPA MICA MILL FILE

MARICOPA MICA MILL

PINAL COUNTY

GW Field Report 1/13/78: Mr. Carter (yellow card - Nick Carter) lives in Maricopa and during the past several years has built a 1 ton/hr mica grinding and concentrating plant. It consists of a 10 x 16 jaw crusher, which discharges to a bucket elevator, to 3' x 6' cylindrical bin, to a 10" A.C. hammer mill, to a homemade 18" x 6' rod mill, to a Humphrey spiral the con goes to another spiral the tail to waste, the con from the 2nd spiral is the finished product the tail is returned to the rod mill

KAP WR 5/15/80: Reported he is building a pneumatic flotation mica concentrating plant along the lines of the one developed by the U S Bureau of Mines at their Tuscaloosa Research Center. He has sold his house in Maricopa and is trying to find a mica mine he can move onto and set up a plant.

NJN WR 4/17/81: Talked to Nick Carter. Work continues on his mica mill near Southern Pacific Railroad at Maricopa. He is thinking of filing a mill site claim near his mica property, 6 miles west of Maricopa. Would like some one from the Department of visit his mica property.

KAP WR 7/24/81: Nick Carter reported he has constructed a pilot pneumatic mica separation plant. He would appreciate a visit to the plant in Maricopa.

RRB WR 2/11/83: Nick Carter would like a visit to his Mica Mill and claims near Maricopa. Mill is west of Maricopa and claims are in E $\frac{1}{2}$, Sec 9 T5S R2E. He also has claims in NE $\frac{1}{4}$, Sec 4 T8S R2E and SE $\frac{1}{4}$ Sec 33, T7S R2E on the west side of Table Top Mountain, Pinal County.

KAP WR 8/10/84: Nick Carter, Maricopa, Arizona has received the fabricated steel channels for the pneumatic mica beneficiation plant he is going to construct. He has torn down his old Humphrey spiral plant at his Maricopa Mica Mill (file).

MARICOPA MICA MILL

6/84

PINAL COUNTY

Pinal County Mils Index #731

Enid topo map (Included in file)

See: Nicholas Carter (yellow card)



STATE OF ARIZONA
DEPARTMENT OF MINES AND MINERAL RESOURCES

Mineral Building, Fairgrounds, Phoenix, Arizona 85007 • (602) 255-3791

TO: John H. Jett, Director

FROM: Ken A. Phillips, Chief Engineer

DATE: July 26, 1985

SUBJECT: Status of mica production plans by Nick Carter

ADMMR: Maricopa Mica Mill (file), Pinal County

A visit was made with Nick Carter, P.O. Box 426, Maricopa, Arizona 85239 to discuss his continued plans and activities for development of a small mica mining and processing operation.

Mr. Carter spent a number of years in the southeastern United States producing both sheet and scrap mica before relocating to Arizona in the mid 1960's with the plan of developing a small flake mica operation. He has constructed numerous pilot scale production plants with mixed results, but all toward the end of avoiding the high water needs of conventional wet grinding and beneficiation plants. Some of his pilot plants have produced test quantities of clean flake mica from pegmatitic ores.

He is currently acquiring parts for a pneumatic beneficiation plant to treat pegmatitic mica ores. He has been sampling possible deposits, acquiring parts and equipment and building pilot plants with his own money derived solely from wages earned in an auto parts supply store.

He has acquired Federal mining claims on some small pegmatite deposits in the Palo Verde Mountains about 10 miles from his home in Maricopa [Janice (card)]. Unfortunately, these deposits appear to be quite small and the mica content low and erratic. They are suitable for obtaining test lots for use in adjusting his processing plant but they would likely be difficult to work to supply even a small production plant. He recognizes the need for a better deposit and is searching for one to either acquire by mining claims or joint venture.

The enthusiasm, honesty, and knowledge of mica are Mr. Carter's attributes which will likely allow him to eventually accomplish the establishment of a small mica production operation. He is, however, severely limited by lack of available capital. The Department has been providing technical guidance to him for about 15 years and will continue to do so.