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03/11/91

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES FILE DATA

PRIMARY NAME: SERICITE & TUFF CLAIMS

ALTERNATE NAMES:

MURRAY

MARICOPA COUNTY MILS NUMBER: 591

LOCATION: TOWNSHIP 7 N RANGE 2 E SECTION 27 QUARTER S2
LATITUDE: N 33DEG 55MIN 06SEC LONGITUDE: W 112DEG 08MIN 34SEC
TOPO MAP NAME: NEW RIVER - 7.5 MIN

CURRENT STATUS: EXP PROSPECT

COMMODITY:

PUMICE TUFF
MICA HYD SERICITE

BIBLIOGRAPHY:

ADMMR SERICITE AND TUFF CLAIMS FILE

DEPARTMENT OF MINERAL RESOURCES

STATE OF ARIZONA

FIELD ENGINEERS REPORT

Mine Sericite-Tuff Claims Date March 13, 1959
Maricopa
District Red Picacho, ~~Yavapai~~ Yavapai County Engineer Lewis A. Smith
Subject: Reported by W. A. Murray

Property: 4 claims (80 acres) S $\frac{1}{2}$ Sec. 27, T. 7 N., R. 2 E.

Owners: W. A. Murray et al
W. A. Murray, Agent, 3348 E. Hubbell Street, Phoenix, Arizona

Work: Claims being recorded.

Geology: A large area of hydro-sericite derived from the weathering of sericite schist, is overlain by volcanic tuff which appears to have been deposited in a lake. According to Murray, the sericite averages from 30 feet to as much as 50 feet in thickness. The overlying tuff varies according to the amount of erosion that has taken place since the lake dried up. As indicated on the Henderson property the tuff is overlain by younger lake sediments, gravels and basalt. Further east the basalt interfingers the upper part of the lake beds or overlies them. The entire lake series and the basalt probably are upper Pliocene or early Pleistocene in age. This relation is characteristic of other localities of Arizona.

MEMORANDUM

October 24, 1960

Lewis A. Smith

Murray Sericite & Tuff

Red Picacho (Agua Fria) Yavapai Co. *more*

Claims: 16 claims (T 7 N., R 2 E, S 27 (S $\frac{1}{2}$))

Owner: W. A. Murray, 3348 E. Hubbell St., Phoenix.

Mr. Murray states that he has a market for the hydrosericite and will soon be mining it. He has several partners in the venture. (See Sericite-Tuff claims in report March 13, 1959). Murray had the Henderson claims under option at this time, but did not exercise the option. However, he later laid out 16 claims adjacent to Henderson's claims.

MEMORANDUM

October 24, 1960

Lewis A. Smith

Henderson Sericite & Tuff

Red Picacho (Agua Fria) Dist. ^{Maricopa} ~~Yavapai~~ Co.

Claims: 11 claims (N $\frac{1}{2}$ Sec. 27, T 7 N, R 2 E.

Owner: Frank Henderson, 116 N. 4th St., Glendale, Arizona

Hydrosericite and volcanic tuff.

The region consists of sericite schists (partly converted to Hydrosericite) overlain by volcanic tuff and later basaltic flows. The hydrosericite is 0-40 feet thick. It was developed by bulldozer cuts.

Frank Henderson, reported that his sericite mica claims in the New River area had been returned to him after their being optioned to other parties.

LEWIS A. SMITH - Weekly Report - 10-28-60

DEPARTMENT OF MINERAL RESOURCES

STATE OF ARIZONA

FIELD ENGINEERS REPORT

Mine ✓ Sericite - Tuff Claims Date March 13, 1959
Maricopa
District Red Picacho Dist., Yavapai County Engineer Lewis A. Smith
Subject: Reported by W. A. Murray

Property: 16 (20 acre) claims, N $\frac{1}{2}$ of Sec. 27, T. 7 N., R. 2 E.

Owner: Frank Henderson, New River

Minerals: Hydro-sericite and volcanic tuff.

Status of Work: Several cuts and pits indicate an area of 2500 x 2500 feet of hydro-sericite overlain by tuff. At the present stage of development the tuff varies from 40 to 70 feet in thickness while the sericite varies from a few feet to more than 40 feet.

Geology: The hydro-sericite is probably derived from Precambrian sericite schist by weathering. The tuff was deposited in late Tertiary lakes. To the north and east of the area, the tuff is overlain by lake clays and sandy deposits. Both are inter-fingered or overlain by basaltic lavas which are probably of Pleistocene age. The tuff has fragments of older rocks (schist, diorite, andesite, etc.) scattered through a fine tuff matrix indicating explosive crater action. The hydro-sericite is very fine grained and pure white in color.

DEPARTMENT OF MINERAL RESOURCES

STATE OF ARIZONA

FIELD ENGINEERS REPORT

Mine ✓ New River Sericite (preliminary Report) Date September 5, 1958
Maricopa
District New River, Yavapai Co. Engineer Lewis A. Smith
Subject: (as reported by Frank Henderson)

Location: 2 miles northeast of New River P.O., Yavapai Co.

Claims: 6 unpatented

Owner: ✓ Frank Henderson, Box 8, Quartzsite, Arizona

Size of Deposit: Present development shows 3000 feet of exposure along the valley margin. The developed thickness is about 40 ft. The specimens show a very good type of white, smooth, very thin bedded hydrosericite which should be of use in paint.

The owner wanted a list of the people who are interested in this type of material and was furnished with a list of three firms or individuals.

A more complete report will be submitted at a later date.