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ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES AZMILS DATA

PRIMARY NAME: PYROPHYLLITE

ALTERNATE NAMES:

ALAMO SPRINGS AREA

LA PAZ COUNTY MILS NUMBER: 409

LOCATION: TOWNSHIP 1 N RANGE 16 W SECTION 15 QUARTER SW
LATITUDE: N 33DEG 25MIN 31SEC LONGITUDE: W 113DEG 54MIN 14SEC
TOPO MAP NAME: KOFA BUTTE - 15 MIN

CURRENT STATUS: UNKNOWN

COMMODITY:

TALC PYROPHYLLITE

BIBLIOGRAPHY:

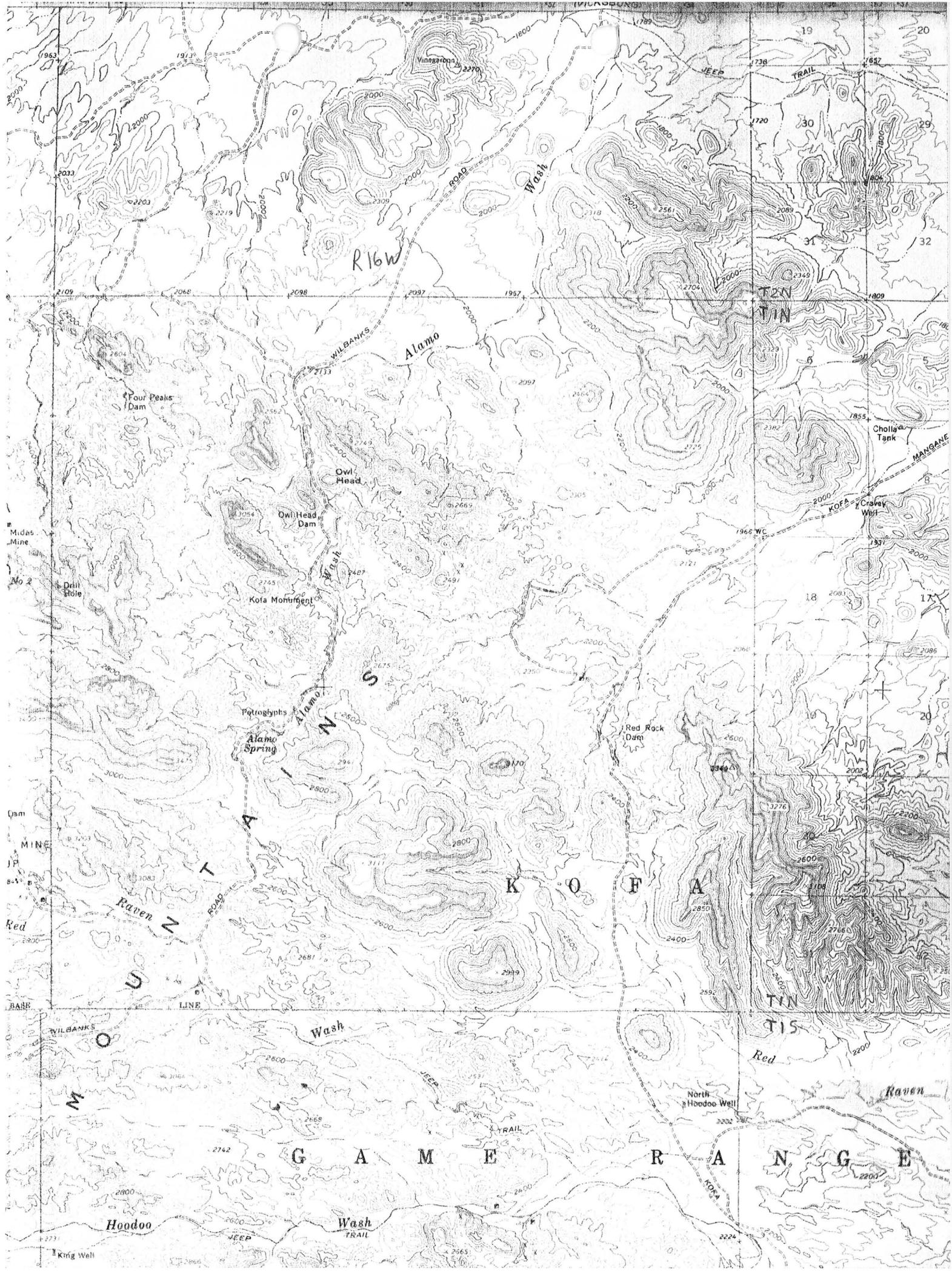
ELEVATORSKI, E.A., 1978, ARIZ. INDUSTRIAL
MINERALS, P. 70
ADMMR PYROPHYLLITE FILE

YUMA COUNTY (Continued)

<u>Location</u>	<u>Quadrangle Map</u>	<u>Known Names</u>	<u>Description-Comments</u>
SILLIMANITE GROUP sec. 8 3N-19E	Quartzite 15'	Quartzite, Bayles	Kyanite-dumortierite- pyrophyllite in quartz mica schist.
sec. 7 proj. 3S-23E	Picacho NW 7½'	Clip Wash	Blue dumortierite, kyanite in quartzose schist boulders.
N½ 1N-16W	Kofa Butte 15'	Pyrophyllite Alamo Springs area	Pyrophyllite veins.
WOLLASTONITE sec. 21 proj. 6N-14W	Salome 15'	Salome Peak area	Wollastonite in meta- morphosed limestone overlying schists.
ZEOLITE NE¼ 8S-21W	Laguna 15'	Dome	Clinoptilolite asso- ciated with bentonite in lacustrine tuff (Tertiary).

YUMA Co. MILS # ~~409~~ 409, KNOWN AS ALAMO SPRINGS AREA.

AREA IS IN KOFA GAME PRESERVE AS OF 7/83.



DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
FIELD ENGINEERS REPORT

Mine PYROPHYLLITE Date May 24, 1944
District Plomoso, Yuma Co., Arizona. Engineer Elgin B. Holt
Subject: Non-metallic

M E M O R A N D U M

OWNER: Joe Livingston, Quartzite, Arizona. Agent of owner: E. B. Hart,
Quartzite, Arizona.

MATERIAL: Non-metallic.

NOTE: The following information was furnished me, regarding the description of this deposit, by Mr. E. B. Hart, of Quartzite.

The deposit is located about 25 miles southwest of Vicksburg, Arizona. Clean pyrophyllite material is found in a well-defined vein about 6 feet wide, exposed in outcrop for 300 to 400 feet. It was optioned to Los Angeles people for a considerable period, but no deal resulted.

COMPOSITION: $H_2Al_2(SiO_3)_4$, or $H_2O.Al_2O_3.4SiO_2$. Silica 66.7, alumina 28.3, water 5.0, equals 100%.

DESCRIPTION AND USES: The following item is copied from "INDUSTRIAL MINERALS", published by the Board of Supervisors of Los Angeles County:

"PYROPHYLLITE, a soft mineral (aluminum silicate) resembling talc; white, pale green, yellow, or light gray. Massive foliated or radial crystalline aggregates; greasy feel and mat or pearly lustre. Impurities are often quartz, pyrite and sericite.

"United States Sources: North Carolina, South Carolina, Georgia, Arizona (Quartzite), and California.

"California Deposits: North of Bishop in the White Mountains. East of Victorville and others.

"Milling Practices: Similar processing of talc, being dry ground and air-floated, using Raymond-Hardinge tube or burr mills, sometimes in combination. Quartz is sometimes removed by hand-sorting and pyrite by air separation and electro-magnets.

"Prices: Prices range from \$9.00 to \$12.00 a ton in carlots at Carolina mines in 200 mesh and 325 mesh sizes. Local prices are proportionally higher because of freight. No production figures available as these are included with talc and soapstone.

PYROPHYLLITE

"Uses: Wall and floor tile bodies, electrical porcelain, dinnerware, etc.; also refractories, radiant heaters and as a filler in battery boxes, roofing, paint and rubber.

"Processors and Possible Buyers: R. T. Vanderbilt Co., 230 Park Avenue, New York, N. Y.

Carolina Pyrophyllite Co., Stanley, North Carolina.

Pyrophyllite Talc Products Inc., Glendora, North Carolina.

(See also local grinding mills - Page 34)".

Note: Some of these grinding mills are listed as follows:

American Minerals Co.,
5601 South Boyle Ave., Los Angeles.

Gladding, McBean & Co.,
1919 East 52nd St., Los Angeles.

Hidecker Company,
2500 E. 8th St., Los Angeles.

Hill Bros. Chemical Co.,
2159 Bay St., Los Angeles.

Kennedy Minerals Co.,
2550 East Olympic Blvd., Los Angeles.

Los Angeles Chemical Co.,
1960 Santa Fe Avenue, Los Angeles.

Muroc Clay Co.,
5509 Randolph St., Los Angeles.

Ontario Rock Milling Co.,
2710 Frederick St., Los Angeles.

Sierra Talc Co.,
333 West 2nd St., Los Angeles.

Western Talc Co.,
1901 E. Slauson Ave., Los Angeles.

Elgin B. Holt

Elgin B. Holt,
Field Engineer.

cc - E. B. Hart

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