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ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES AZMILS DATA

PRIMARY NAME: FROST

ALTERNATE NAMES:

MARICOPA COUNTY MILS NUMBER: 460

LOCATION: TOWNSHIP 3 S RANGE 1 E SECTION 24 QUARTER C
LATITUDE: N 33DEG 09MIN 10SEC LONGITUDE: W 112DEG 12MIN 38SEC
TOPO MAP NAME: MONTEZUMA PEAK - 7.5 MIN

CURRENT STATUS: EXP PROSPECT

COMMODITY:
MICA
BERYLLIUM
FELDSPAR ALBITE
COPPER OXIDE
GEMSTONE B TOURMALINE
QUARTZ PEGMATITE

BIBLIOGRAPHY:
ADMMR FROST MINE FILE

REFERENCES

MILS Sheet sequence number 0040130286

See: OF 93-12 Economic Geology of the Sierra Estrella Maricopa & Rural Counties, Ariz. - ADMMR

1-26-58

as reported to Lewis Smith
by Lloyd Frost.

Frost Mine, Sierra Estrella District, Sec. 24, T3S, R1E.

Lies on west slope of the Sierra ~~Estrella~~ Mountains about 3/4 of a mile from the Reservation. Maricopa Co.

Owners: Lloyd and John Frost.

Agents: Lloyd Frost, 2825 W. Adams, Phoenix, Arizona.
John Frost, Arondale, Arizona.

Property: ~~20~~ 4 unpatented claims.

Work: One pit, 20 feet in depth, and 3 assessment work bulldozer cuts. They are now beginning a tunnel to intercept the main pegmatite at 50' below the outcrop.

Geology: The area consists of pre-Cambrian schists and granitic rocks. These have been cut by vertical dipping pegmatite dikes which generally strike EW. The schistosity trends NW-SE, on the average, and dips at variable angles to the southwest. The main pegmatite averages 10-12 feet, in width, and has been traced for nearly 3000 feet. The principal minerals are mica, albite feldspar and black tourmaline. A little beryl and trace amounts of rare elements were shown in a spectographic analysis. A second quartz pegmatite shows copper oxides (largely chrysocolla) and clear white quartz. So far most of the beryl has been found in this pegmatite.

Mr Flagg has sent a specimen of tourmaline

to be tested for electric suitability. Bunches of tourmaline crystals, up to 2 inches in diameter, and 2 to 3 feet in dimension, have, thus far, been disclosed. The tourmaline is generally present, in considerable quantity throughout the main pegmatite. The trace minerals were columbium-tantalum. and. beryl. Very well-developed red-garnet crystals. are desseminated in portions of the quartz. Some of these are up to an inch in diameter.

The deposit has possibilities of marketing Feldspar, quartz, or tourmaline, especially if the tourmaline prove to be optically inclined.