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01/28/87

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES FILE DATA

PRIMARY NAME: SMITH SERICITE

ALTERNATE NAMES:

LUCKY CHANCE GROUP
DOME ROCK MTNS MICA

LA PAZ COUNTY MILS NUMBER: 402

LOCATION: TOWNSHIP 5 N RANGE 20 W SECTION 8 QUARTER C
LATITUDE: N 33DEG 47MIN 30SEC LONGITUDE: W 114DEG 21MIN 30SEC
TOPO MAP NAME: MOON MTNS - 7.5 MIN

CURRENT STATUS: PAST PRODUCER

COMMODITY:

MICA SERICITE
MICA SCHIST

BIBLIOGRAPHY:

ADMMR SMITH SERICITE FILE
ELEVATORSKI, E.A., 1978, ARIZONA INDUSTRIAL
MINERALS, ADMMR MINERAL RPT NO 2, P. 69
BANCROFT, H. 1911, RECON OF ORE DPSTS IN N. YUMA
CTY, USGS BULL 451, P. 25

DEPARTMENT OF MINERAL RESOURCES

STATE OF ARIZONA

FIELD ENGINEERS REPORT

Mine Smith Sericite (Lucky Chance Gr.)+

Date September 8, 1960

District La Paz-Quartzsite (or Dome Rock), Yuma Co.

Engineer Lewis A. Smith

Subject: Mine visit and interview with H.G. Smith

Owner: H.G. Smith, Buckeye

Option to: Loshbe Corporation, Box 515, Jacumba, California. (These people produce and process mica.)

Agent at Quartzsite: Bruce Brown

Property: 3 claims (unpatented)

Work: Several cuts and a 30 foot tunnel. (Smith moved about 50 tons from the tunnel in October and treated it at his Buckeye Mill.)

Plans: The Loshbe Corporation has moved in a 3/4 yard front loader and two 22 ton Mack trucks. Mr. Brown said they hope to have a processing plant at Quartzsite and will soon move in a compressor and drills. They have 6 men on the job at present. The mica will be used (at 325 mesh) for filters, plasters and as a paint base. In the meantime the mica will be hauled to Jacumba for processing.

Geology: The sericite schists lie in the northeast portion of a schist block which mainly lies south of the Quartzsite-Ehrenburg highway. The schist bedding trends N 50-60° E and dips about N 30-40° W. At the mine the dip is about 40° NW, the dips flattening somewhat to the west. The schist belt is terminated along the east and south borders by a major fault which separates it from a complex of shale, sandstone, conglomerate and limestone, all of which have been locally metamorphosed. The west half of the schist belt butts against gneiss. The schist is terminated on the north against intrusive granites and other similar intrusive rocks which in turn are cut by quartz pegmatites. A second major fault breaks the schist block just south of the mine area. Near the southeast exposure the schist bedding was twisted to an east-west strike (a rotation of about 30° from the principal trend). The sericite schist is composed largely of sericite mica with some quartz. The texture is very fine and near the surface has locally been converted to hydrosericite. The schist is white, soft, and sometimes breaks out in large slabs. The faults trend NE-SW and are probably responsible for the pass through the Dome Rock Mountains. The quartz-pegmatitic veins are mineralized locally by gold as at the Marquita and Leadville mines, both of which lie in this schist block.

SMITH SERICITE MINE (LUCKY CHANCE GROUP)

YUMA COUNTY
PAZ-QUARTZSITE
(or DOME ROCK)
DIST.

As far as could be learned the H. G. Smith Claims (Lucky Chance) are still tied up in litigation.

LEWIS A. SMITH, Quartzsite Conf. - 1-5-61

Mr. B.L. Shoemaker writes that he now has obtained the Lucky Chance Group as a result of a litigation suit. Mr. Shoemaker lives at 1101 N. 6th St., El Centro, California. The material on the claims is a hydrosericite and sericite mica schist, believed to be suitable (at 325 mesh) for paint filler.

Memo - Lewis A. Smith - 4-3-62
