

3800 0014

NAME OF PROPERTY

Leap Year Copper Mine

Miners Exchange, Inc.
Nicholas T. Gerard, President
307 Lyon Building
Reno, Nevada

191-B

Item 15

LOCATION

Rand Mining District, Mineral County, Nevada, $9\frac{1}{2}$ miles from Rand.

GEOLOGY

Areal geology consists of a limestone bed and a series of calcareous shales which have been intruded by quartz monzonite. The intrusion was accompanied by folding and faulting of the invaded rock. Erosion has exposed the invading quartz monzonite and the igneous-sedimentary contact is exposed near the northwest property line. The mineralized area is confined to steeply dipping beds on the east flank of a monoclinial fold. The limestone is highly crystalline and is garnetized in parallel bands. Here are found irregular parallel bands of hematite in widths varying from a few inches to 10 or 12 feet, from which all sulphides have been leached. Unoxidized sulphide mineralization consists of chalcopyrite, appreciable amounts of pyrite, and marcasite.

DEVELOPMENT

Development consists of several hundred feet of shafts, drifts, and crosscuts. Most of the mine workings were inaccessible for examination.