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ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES AZMILS DATA

PRIMARY NAME: BLUE GEM GROUP

ALTERNATE NAMES:

LA PAZ COUNTY MILS NUMBER: 813

LOCATION: TOWNSHIP 4 N RANGE 18 W SECTION 10 QUARTER SE
LATITUDE: N 33DEG 42MIN 10SEC LONGITUDE: W 114DEG 05MIN 50SEC
TOPO MAP NAME: QUARTZSITE - 15 MIN

CURRENT STATUS: PAST PRODUCER

COMMODITY:

GEMSTONE CHRYSOCOLLA
GEMSTONE AGATE

BIBLIOGRAPHY:

ADMMR BLUE GEM GROUP FILE

QUARTZSITE QUADRANGLE
ARIZONA-YUMA CO.
15 MINUTE SERIES (TOPOGRAPHIC)



DEPARTMENT OF MINERAL RESOURCES

STATE OF ARIZONA
FIELD ENGINEERS REPORT

Mine Blue Gem Group

Date May 7, 1959

District Plomosa District - Yuma County

Engineer Lewis A. Smith

Subject: Mine visit.

Claims: 4 unpatented

Owner: C. J. Cowell, Box 30, Quartzsite. (optioned to Coin, Inc. of Portland, Oregon at present).

Location: 1 3/4 miles north of 60-70 highway in the Plomosa Mountains, 8 miles east of Quartzsite, opposite the turnoff to the Gold Nugget Mine (south 1 mile from Highway 60-70) T4N, R18W, approx. Sec. 10 or 11.

Work: This consists of several bulldozer cuts, and a few hand trenches and pits.

Geology: The area consists of Tertiary (?) volcanics cut by a group of shear type faults and andesite porphyry dikes trending NW and SE. The strikes show a variation from N 10° W to N 25° W. The dips are fairly flat to 70°. Some transverse faulting has offset the main shear fractures. The fractures are locally accompanied by epidotization. The main mineral is chrysocolla and this occurs in localized areas at fracture intersections or along the dikes. In the center of the claims a shear zone trending NE-SW and dipping vertically, shows narrow parallel veinlets of agate (white) and red jasper. These materials are specially prevalent near an andesite dike which weaves in a general NW-SE direction for several miles. A branch dike trends NE-SW. Near the junction of these dikes an especially strong agate-jasper concentration occurs.

The sparsity of the mineralization in the area as a whole and the general absence of limonite would probably preclude hope of a large copper occurrence. However, the development of the scattered more concentrated areas might be done with profit for the gem stones, 1000 pounds of which have been marketed. The flow rocks consist of dense andesites underlain by basic obsidian and locally overlain by basalt flows. The basal formation is granite gneiss and schists of pre-Cambrian age. These formations sometimes contain pegmatites.

BLUE GEM GROUP

YUMA COUNTY

Conference at Quartzsite (Evan's Cafe)

Mr. Cowell said that a heavy gully washer had severely impaired his road and he planned to repair it. He presently works for the Highway Dept., as a maintenance man. He wants to mine agate and chrysocolla, both of which occur on the claims, especially agate. See report dated 5-7-59. At this time the property was visited with Paul Bauer, then of Quartzsite. Cowell's box number is now 305. LAS Memo 10-12-66.
