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PRINTED: 04-04-2011

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES AZMILS DATA

PRIMARY NAME: STANLEY

ALTERNATE NAMES:
LITTLE MULE GROUP

GRAHAM COUNTY MILS NUMBER: 65A

LOCATION: TOWNSHIP 5 S RANGE 19 E SECTION 2 QUARTER NW
LATITUDE: N 33DEG 01MIN 55SEC LONGITUDE: W 110DEG 22MIN 43SEC
TOPO MAP NAME: SAN CARLOS RESERVOIR - 15 MIN

CURRENT STATUS: EXP PROSPECT

COMMODITY:
LEAD
SILVER
BARIUM BARITE

BIBLIOGRAPHY:
ROSS, CLYDE P., USGS BULL. 763, 1925, P. 109
ADMMR STANLEY REGION FILE
STEWART & PFISTER BARITE DEPOSITS OF AZ,
USBM RI 5651, 1960, P. 28
ADMMR FILE

To: Frank P. Knight, Director
Arizona Dept. of Mineral Resources

June 24, 1957

From: Lewis A. Smith, Field Engineer

Subject: Aravaipa-Stanley Region

Ross in his fine paper on the Aravaipa-Stanley Region, does not differentiate the dikes and flows. The map shows this area as Cretaceous-Tertiary Volcanics.

Map attached.

However, the Andesite and Breccia flows are penetrated by a group of coarse andesite porphyry dikes and a major Rhyolite Porphyry dike. Much transverse faulting has disjointed the great Mescal Mountain Fault.

The mineralization consists of iron, copper and silver along shears, or breccia zone on the borders of the dikes or in the transverse fault shears. It is local and narrow, on the whole, and could produce localized marketable areas, but not general dissemination. Some such areas have produced chalcocite or argentite enrichment. However, some rocks are more chemically reactive than others, producing oxide copper minerals and cerargyrite. 3 places, where dikes and fault shears have intersected seemed likely places to pursue further development.

Stanley Mine

Drifts from tunnels and shafts on the Davis Property have been run, in the past, but are not accessible at present.

C.R. Roberts spent considerable money developing a series of Cat and Jeep roads over his claims and part of the Davis Group. He made deep Cat cuts in three major dike intersection areas.

At the northwest foot of the Little Stanley Butte, "breccia pipe" has invaded the Cretaceous Sandstone and the andesite series. This shows some mineralization around the periphery. On the northeast side of the "pipe" pyroxenite has outcropped in a small mass. The extent of this basic rock is unknown but unusual. The topography has slumped over the "pipe" area.

The oxidized capping is largely composed of yellow to iridescent red "limonites". They indicate a sulphide of 4 iron to 1 copper. However, the presence of Brochantite and Cuprite in some boxes indicates chalcocite enrichment, but not strong. The shears and breccia zones are easily located by this sort of capping.

HAWK CANYON AREA. STANLEY BUTTE

