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02/26/91

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES FILE DATA

PRIMARY NAME: PROHOROFF PROSPECT

ALTERNATE NAMES:

VAN LANDINGHAM PROSPECT

YUMA COUNTY MILS NUMBER: 273

LOCATION: TOWNSHIP 2 S RANGE 15 W SECTION 30 QUARTER C  
LATITUDE: N 33DEG 13MIN 42SEC LONGITUDE: W 113DEG 50MIN 37SEC  
TOPO MAP NAME: ENGESSER PASS - 15 MIN

CURRENT STATUS: PAST PRODUCER

COMMODITY:

STONE DIMENSION  
GOLD LODE  
COPPER

BIBLIOGRAPHY:

AZBM FILE DATA  
ADMMR PROHOROFF PROSPECT FILE

DEPARTMENT OF MINERAL RESOURCES

STATE OF ARIZONA  
FIELD ENGINEERS REPORT

Mine <sup>VANLANDINGHAM</sup> PROHOROFF ~~LANDINGHAM CLAIMS~~ PROSPECT

Date 4-9-63

District TANK MOUNTAINS, YUMA COUNTY

Engineer LEWIS A. SMITH

Subject: Interview with Alex Prohoroff

PROPERTY: 130 Claims. (1 mile E of the Engesser Mine), approximately T25 R15W (Secs 29-32) 3 miles S of Kofa Butte. Reached over a country road from Horn around the north end of the Palomas Mountain via the Neverweat District (28-30 miles).

OWNERS: Guy Lanningham, Sr. & Jr., Arlington, Arizona  
Alex Prohoroff, 67th Ave. & Buckeye Road (west)

MINERALS: Copper and Gold.

WORK: The location work has been contracted, and is now in progress. It is being done by bulldozer trenching, and a few pits. It is hoped, by the owners, that they can get someone to drill the area.

Geology: According to the Yuma county Geological Map, the area around the claims consists of Mesozoic sediments on the west and intrusive granite and related crystalline intrusive rocks in a narrow band that trends N.S. To the east of the granite, the area consists of Kofa volcanics classed, on the Yuma County Geological map as of Cretaceous age. (These include flows, plugs and dikes of andesitic and rhyolitic composition). Among the group of specimens submitted by Prohoroff, was a rock that closely resembles monzonite or rhyolite porphyry. This, according to him is in a dike about 40 feet wide as exposed by a bulldozed cut. Other such dikes were seen in the area. The monzonite (?) or rhyolite porphyry (?) sample has oxidized copper specks well disseminated in the fracture planes and to a less degree in the rock. Other specimens showed strong limonite and copper oxides along with angular quartz. The area is said to carry good gold values, in places cut by quartz veins or veinlets. Near the Engesser (Johnnie) mine, granite is intruded by diorite porphyry or rhyolite porphyry, and next to the veins, the granite is strongly sericitized and carbonatized. The Engesser vein carries strong showings of powdery to solid auriferous limonite with some angular quartz bordered by yellow jarosite mixed with limonite. The shaft dump shows aggregates of granular hematite and magnetite together with pyrite, minor chalcopyrite. (A.B.M. Bull #134). Some of the iron oxides in specimens from the Prohoroff claims appear to conform to Wilson's description of the Engesser iron oxides, except that they indicate fairly good copper. The area between dikes has not yet been prospected.

After the ground has been better exposed Mr. Prohoroff wants a mine visit.