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08/07/97

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES FILE DATA

PRIMARY NAME: RED LEDGE GROUP

ALTERNATE NAMES:

YAVAPAI COUNTY MILS NUMBER: 333

LOCATION: TOWNSHIP 9 N RANGE 4 W SECTION 22 QUARTER SW
LATITUDE: N 34DEG 06MIN 05SEC LONGITUDE: W 112DEG 39MIN 30SEC
TOPO MAP NAME: SAM POWELL PEAK - 7.5 MIN

CURRENT STATUS: EXP PROSPECT

COMMODITY:
COPPER
SILVER
LEAD
GOLD

BIBLIOGRAPHY:
ADMMR RED LEDGE GROUP FILE
SECTIONS 22 & 23 WERE WORKED IN 1900 AS GOLD PLACERS

ARIZONA DEPARTMENT OF MINERAL RESOURCES
Mineral Building, Fairgrounds
Phoenix, Arizona

1. Information from: Eugene Bender
   Address: 1737-W Van Buren, Phx 252-2214 269-9233 85007
2. Mine: Redy Ledge 1, 3 + 4 3. No. of Claims - Patented
   Unpatented 3
4. Location: ~~SW~~ 3 mi SE of Octave. To go to prop. take D4 Ranch road
5. Sec SW1/4 22 Tp 4W Range 9N 6. Mining District Weaver dist
7. Owner: as above
8. Address:
9. Operating Co.:
10. Address:
11. President: 12. Gen. Mgr.:
13. Principal Metals: Au Ag Pb 14. No. Employed:
15. Mill, Type & Capacity:
16. Present Operations: (a) Down ☐ (b) Assessment work ☐ (c) Exploration ☑ 4-3000 Rds etc
    (d) Production ☐ (e) Rate tpd.
17. New Work Planned: open trench 400' - 1' to 3' depth.
18. Miscl. Notes:
    Qtz vein in schist - 18" to 4" - some areas 5' to 10'
    MP10 - Yav County. To Box Canyon. S W Cor.

Date: June 12 1973

T. T. Johnson
(Signature) (Field Engineer)

MEMO

(Red Ledge Group)
Bender-Roberts Claims 10-19-62

Weaver Dist., Yavapai County Lewis A. Smith

Owners: Eugene Bender and Joe Roberts, Manager of Boyles Bros. Drilling Co., of Phoenix.

Interview with Richard Mieritz.

Mr. Mieritz stated that he had visited the area last week and stated that the rocks consist of diorite, quartz monzonite, and granite. These rocks are cut by several fractures, a few of which show some iron oxide mineralization, and are occupied by pinching and swelling quartz. The quartz contains a little galena-silver mineralization as kernels and blebs. A sample of a dump next to one of the veins ran 9 percent copper. The pit, from which this dump came, is partly filled with detritus. Short drill holes have, so far, yielded little of value. Mieritz thinks that a few fracture intersections are worth further prospecting. The property was examined by E. C. Hall, geologist for A. S & R, but his report was not yet available. The quartz in some fractures shows sporadic lead-silver in kernels and bunches. Others show some copper.

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
FIELD ENGINEERS REPORT

Mine: Red Ledge Group — Date: February 23, 1962

District: Weaver (Octave) District, Yavapai Co. — Engineer: Lewis A. Smith

Subject: Interview with Eugene Bender, 10801 N. 21 Ave., Phoenix.

Property: 23 claims

Owners: Eugene Bender, et al. Originally worked in 1900 for placer gold by Charles and Fred Ward.

Location: 4 miles due east of Octave. (Sec. 22,23, T 9 N, R 4 W.) LAS

Work: Two short shafts, the deepest being 14 feet. 2 miles of road (3 miles more to be built).

Geology: A quartz-hematite vein strikes EW (N 75 degrees W) and dips 60 degrees N on a contact between a fine grained gneiss granite and Yavapai schist. A fine grained felsitic porphyry dike also follows part of the contact. Between the dike and the quartz is 1 to 10 feet of limonitic gossan (specimens indicate copper sulphide and pyrite). The quartz contains bunches and kidneys of galena which contain brecciated fragments of quartz stained by chrysocolla. The red limonite blebs in the quartz are sometimes haloed by chrysocolla. The assays range from $7 to $91 in copper, gold and silver. The lead is being run (3 sample sheets). The porphyry is on the hangingwall of the quartz vein or on the north. South of the quartz is the limonitic band (this carries good gold along with chrysocolla). The granite specimens tended to be gneissic. The vein fracture and quartz has been traced for 1000 yards where on the west end it plunges under tuff and gravels. The 14 foot shaft shows 1 foot of ore at the top and 2 feetin the bottom. A crosscut sample at the bottom ran 2.6 oz. gold and 2.10 oz. of silver. The schist is greenish colored and apparently contains chlorite (near the vein). The granitic rock may be more basic than true granite, since it contains considerable biotite and needles of hornblende. One specimen of hematite-cerussite shows considerable flaky gold on the minute fractures. This has the appearance of supergene enrichment.

There is a parallel vein of similar character to the north about 2 miles.

The galena alters to cerussite, anglesite and plumbojarosite. The vein is offset at intervals of 200 to 300 feet by pre-mineral fractures of little throw up to 25 feet horizontally. According to Bender, the vein width bulges against this on the east side indicating that the mineralizing solutions moved from east to west.