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ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES AZMILS DATA

PRIMARY NAME: WESTERN UNION

ALTERNATE NAMES:  
BLACK & TAN

MOHAVE COUNTY MILS NUMBER: 90G

LOCATION: TOWNSHIP 22 N RANGE 17 W SECTION 9 QUARTER SW  
LATITUDE: N 35DEG 18MIN 21SEC LONGITUDE: W 114DEG 06MIN 23SEC  
TOPO MAP NAME: STOCKTON HILL - 7.5 MIN

CURRENT STATUS: DEVEL DEPOSIT

COMMODITY:  
VANADIUM  
GOLD LODE  
SILVER  
ZINC  
LEAD  
COPPER

BIBLIOGRAPHY:  
USGS STOCKTON HILL QUAD  
ADMMR WESTERN UNION MINE FILE  
ADMMR VANADIUM FILE, BOOK I  
EVAL. OF MIN. RES. OF HUALAPAI INDIANS,  
VOL. I, 1964, P. 249

10/04/85

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Arizona Department of Mines and Mineral Resources

INFORMATION FROM MINE CARDS IN MUSEUM

ARIZONA

MOHAVE COUNTY

WESTERN UNION MINE

in Cerbat Mtns.

MM 3164	Vanadinite on Matrix
3165	Vanadinite on Matrix
3166	Vanadinite on Matrix
3167	Vanadinite on Matrix
3168	Vanadinite on Matrix

YMLS 90 G

1-AKA

Western Union (fib)



No. 43  
by  
Raymond Grant

As always the Flagg Show is a good place to find out what minerals are being collected in Arizona. This year's show had the following of interest: Two finds of pyromorphite were made at the Hard- (f) shell Mine near Patagonia. Pyromorphite remains a rare mineral in Arizona, and these specimens are among the best found. I saw vanadinites from several unusual localities.

In the Silver District, both the North Geronimo Mine and the Silver King Mine produced vanadinites. Over the past three years, there has been increased interest in the North Geronimo, and many bright red vanadinites have been collected. One reason for this interest is the idea that this mine is the lost Romaldo Pachecos Mine (see Mineralogical Record, v.11, p.139-140, 1980), but other mines in the area have also been determined to be this lost mine. No concrete evidence has been presented that the North Geronimo is this lost mine, and the vanadinites from this locality are no bigger than those from any other locality in the Silver District. The Silver King Mine has only produced small vanadinites and the ones that I saw at the Flagg Show were as big as any I have seen from that locality, but these are still small. The third vanadinite locality of interest is the Western Union Mine in the Cerbat Mountains near Kingman. Specimens from this mine are found in many old collections. They are commonly long brown prisms on matrix, and many times are isolated crystals scattered across the specimens. Someone finally tracked down this mine and collected some new specimens.

GERONIMO  
NAS (f)

WESTERN  
UNION (f)

Wulfenite is always a popular mineral and I saw new specimens from two localities. The Rowley Mine as always continues to produce good specimens for a few collectors. The second wulfenite locality is an old one which only recently has started to produce specimens again. This is the Tombstone area (see The Arizona Mineral Collector No. 40). The latest specimens are much better than the ones which were for sale in Denver. The name of the mine is still being kept secret. Also, from the same locality a water course full of fluorite and quartz was found. This water course was open to the workings, but specimens were never collected from it. This is the kind of situation we all dream about.

A new pocket of hematite crystals was found at the Veta Grande claim in the Dome Rock Mountains near Quartzite. This locality has produced exceptionally fine hematite crystals, and

WAR EAGLE  
COURT (f)  
LA PAZ

WESTERN UNION MINE

Wallapai Mining District

Mohave Co. Arizona.

The Western Union Group is owned by William Stapp and George Pemberton of Kingman, Arizona.

Property is reached by leaving Highway 66 on the Stockton Hill Rd. At the first camp (Stockton Hill) take left road. One mile is fair, last mile was built in 1941, passable only for trucks. Two miles from camp to mine where the road ends.

In the winter of 1942 George Steinks, of Kingman, screened five tons of ore mined from east drift at head of winze. The minus quarter mesh material was jigged, yielding 5 lbs. of concentrates which assayed 17%  $V_2O_5$ .

The formation is a complex of granites, gneiss and schist, which has been crushed parallel to the schistosity. In the principal workings there is no showing of a quartz vein such as is seen in a shallow underhand stope at about 60-ft. higher up the slope. From this stope some high grade lead ore was sorted for shipment some years ago.

The principal, or lower, workings consist of a 95-ft. crosscut to a short east drift and a 22-ft. winze sunk on the left of the crosscut. This crosscut continues to the north for some forty feet, with two openings off it one to the east about 8-ft. long, the one to the west approximately 15-ft.

In the first east drift which is about 15-ft. long and in the winze both coarse and fine slender, brown crystals of vanadinite occur on the planes of the gneiss and in small vugs. The softer crushed material does not show as much vanadinite as the smooth hard surfaces.

A sample of the broken material in the bottom of the winze assayed 0.08%  $V_2O_5$ . The rejects from screening showed no vanadinite.

There is no further interest in this property.

Submitted by:

esa/A.L.Flagg,  
6-8-42,  
Tucson, Arizona.

WESTERN UNION AND MOUNTAIN QUEEN GROUPS

MOHAVE COUNTY

Harry W. Robinson, E. D. Morton, July 24, 1940

Western Union - Vanadinite.

Mountain Queen - Silver Lead

Not interested in vanadium; hence would not care to undertake the further development of the Western Union Group. The Claims of the Mountain Queen Group are quite interesting but prospective tonnage of ore would not be great enough to be of interest to the Eagle-Picher Company.

January 21, 1943

*mine  
file*

C

C

Subject: (Western Union Mine)  
(Vanadium - Mrs. Pemberton -  
(Stockton Hill, Mohave Co.

P. O. Box 188,  
Kingman, Arizona.

O

Dear Charlie:

I have your letter of January 14th, stating that Mrs. George Pemberton, 819 North Second Avenue, Phoenix, owns a vanadium mine on Stockton Hill, this county; and that George Steinke, of this place, would show me over the property, etc.

P

Yesterday, I contacted Steinke, with a view to having him take me out there; but after our interview, I did not think it necessary to make the trip, for reasons herein cited.

Y

Steinke stated that he had built a road to this property and that he had gone to considerable trouble and expense testing the ore.

He stated he had mined 12 tons of ore from this property and that he had concentrated the same by means of jigs and tables, thereby obtaining 50 pounds of concentrates, assaying 14% V2O5; that his recovery was about 50% of the vanadium content in the ore. Hence, if Steinke had made a 100% recovery of the vanadium, he would have obtained 100 pounds of V2O5 concentrates, assaying 14% V2O5. By a simple arithmetical calculation, each ton of ore would contain 0.3 pounds of concentrates, assaying 14% V2O5. Or 1.16 pounds of concentrates of V2O5, per ton of ore treated, which product would be worth gross 41.32 cents, per ton of ore treated, figuring V2O5 at 27¢ per pound.

*.058% V2O5*

Steinke said that the vein of this property, or rather dike, is 40 feet wide, through which is a stockwork of veinlets of vanadium minerals. That this vein has been opened by a tunnel on one of the walls, as I understood him, for a length of 100 feet, from which a cross cut was driven 40 feet across the dike, and that a winze was sunk 40 feet on said dike following a veinlet of better grade vanadium. That vanadium crystals are found "shot through" the dike in the said cross cut. That he obtained the 12 tons treated, mainly from the winze, but partly from the said cross cut. Hence, he said the ore was too low grade for him to attempt to work the same.

In view of the above, I did not make the trip to the property; but Steinke will go with me, if necessary. Kindly let me know if you think it advisable for me to go out there. If so, I will make the trip; but I think it a waste of time.

cc - W.S. Coupa).

Sincerely.

Elgin B. Holt.

C

January 16, 1943

Dear Elgin:

I am advised that a Mrs. George Pemberton, 819 North Second Avenue, Phoenix, owns a vanadium mine in Mohave County on which we wish to get as much information as possible. It is called the Western Union mine, located 12 miles from Kingman. Geo. Stienke has agreed to take anyone to the property and show it. It is in the Stockton Hill area.

You probably appreciate that the Metals Reserve Company has asked us to watch carefully for vanadium properties and to report to them anything that looks promising and can be developed, so please get the whole story to us as soon as possible.

With kindest personal regards, I am

Yours very truly,

CHARLES F. WILLIS, Chairman  
Board of Governors

CFW:MH

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