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CACTUS QUEEN.

Williams River District, Mohave Co., Arizona

LOCATION: 52 miles N. W. of Congress Junction, 10 miles north of Swansea; S.E. of Cleopatra Mine. 162 unpatented claims. 3 patented.

OWNER: Cactus Queen Copper Co. H. E. Barbee, Gen. Mgr. Congress Junction, Arizona.

DATE VISITED: October 21, 1918, by J. L. White.

Country rock; schist partly capped with limestone.

Schist contains porphyry and diorite.

The property consists of 165 claims in a rectangular group, about $3\frac{1}{2}$ miles long.

Beginning in the south end of the property, several deposits of carbonates in lime have been uncovered. Sample No. 1 Copper 6.26%, Insol. 69.8%, CaO 7%, was taken at the largest showings, which appears to be a surface deposit rather than an outcrop. Near the center of the group there are several outcrops of carbonates in schist, all in the form of narrow seams. 500 feet of drifting and crosscutting has been done here on a heavy iron outcrop, In one place some copper wasuncovered. Sample No. 2, Cu. 1.22%.

A second outcrop of iron in the side of a wash was explored by a short tunnel. Sample No. 3 is a grab from the best of the dump. (Cu. 326)

Near the south end of the property there are two patented claims, the Iron Clad group, which has a very goodlooking outcrop of black hematite, stained with copper. A tunnel was started to cut this iron, but missed it. However, a deposit of hematite was out in the floor for about 80 feet. A winze sunk in it showed the iron to be about 100' thick with copper stain all thru it and some sulphides at the bottom of the winze. A drift 70' long from the bottom was all in hematite. Samples 4 to 7 inclusive were taken here.

No. 4	Cu. 44%)	
No. 5	" 5.20%)	
No. 6	" 1.50%)	46.8 Fe. 29.8 Ins. Trace Silver, Trace Gold.
No. 7	" .86%)	
No. 9	" .94%)	

Sample No. 5 had considerable sulphides. Sample No. 8 Cu.94% came from the winze at 50' depth. Samples 9 and 10 were taken near the collar of the winze in specular hematite and showed no copper to the eye. Sample No. 9 .50% Cu. Sample No. 10 .52%

A crosscut from the main tunnel cut the outcrop originally driven. Where cut the iron was four feet wide. Sample No. 11, cu..86%.

The extreme south end of the claims show a number of copper carbonate outcrops, upon which practically no work has been done.

There seems to be little or no value in the property outside of the Iron Clad Group, which appears to have a very large body of iron ore with some copper in it. Samples, however, do not show any commercial ore.

7/2. 42

C. R. Breckon, 347 h. 2nd Ave. from 95-35-1.

has lease.

Later the mine is said to have obtained a
 loan ^{with bond} and made substantial shipments of low grade
 ore to a smelter (probably Clarkdale) during 43 & 44

CACTUS QUEEN

DISTRICT: WILLIAMS RIVER. About 50 miles west of Congress Junction and on north side Bill Williams River, and at an elevation of 1800 feet; or 600 feet higher than the river and 6 miles distant.

OWNERS: Cactus Queen Copper Co., W. H. Borders of Congress Junction, Treasurer.

DATE VISITED: September 11, 1919.

NOTES: 126 Claims

Geology:

A basal series of granite gneiss and schist accompanied by considerable sericitization, capped by limestone. These intruded by basic rocks which were later altered to amphibolites and heavily pyritized with low grade pyrite. The entire mass is cut by later intrusives and copper ores occur as replacements in the amphibolite and sediments.

With these ores the primary material was probably specularite containing a low grade cupriferous pyrite at some points of better grade than others, and although the specularite may occur primarily it is quite likely that considerable of it is secondary. Necular masses of low grade pyrite occur in the red hematite which hematite is probably secondary from an original pyrite. The probability of finding regular bodies of commercial ore in such deposits is small, altho one would expect irregular and spotty zones of high grade ore that would probably withstand mining and treatment costs.

6 Development.

Development consists of a series of shallow tunnels and pits showing numerous narrow seams of hematite with contained copper, and from one tunnel a winze sunk to a depth of one hundred feet indicates a body of hematite showing some primary cupriferous pyrite from four to ten feet wide and fifty feet long, with ore still in the face. Sample No. 1 from this fact, but it is not an average sample. Conclusion: Location of property makes costs prohibitive, and probability of opening up any considerable tonnage is very doubtful.

Sample No. 1 104 oz. Au, Ag. oz. .14, Cu. 6.71% W.V.DeC.

CACTUS QUEEN

Williams River District. 52 Miles West Congress Jct. 14 Miles N. Swansea S. E. of Cleopatra Mine. Owans Mining District. 126 Claims unpatented
OWNERS : Cactus Queen Copper Co. W. H. Borders, Congress Jct. Sec. Treas. H. E. Barbee, Mgr. Visited October 9th, 1917.

Limestone overlying granite-gneiss complex, much iron stained in places. Bunches of specularite with copper carbonates, oxide and silicate, which "make" on flat contacts and vertical seams.

Somewhat similar to Planet type of deposits, but smaller and with little development. On Ironclad Claim is a crosscut with little drifts, in all about 400' of work. A winze 85' deep following a fractureplane S 20 W., at about 70 degs. shows malachite, azurite and chrysocolla and a little sulphide in silicious brecciated hematite and specularite. A little raise shows some ore on a flat contact of lime and granite gneiss. On an isolated claim an incline showing no ore is being sunk in expectation of striking silver ore, similar to that on the adjoining Rawhide prospect. The chances of the survival of the Cactus Queen appear very slim.

LFSH.

DISTRICT	PROPERTIES	LOCATION	OWNERS & OPERATORS	DATE VISITED	NOTES
Williams River, Mohave County, Arizona.	Cactus Queen	52 m. West Congress Jct. 14 m. N. Swansea. S.E. of Cleopatra Mine, Owens Mining District. 126 claims unpatented.	Cactus Queen Copper Co. W H Borders, Congress Jct., Sec-Treasurer; H E Barbee, Manager.	October 9th, 1917	Limestone overlying granite-gneiss complex, much iron stained in places. Bunches of specularite with copper carbonates, oxide and silicate, which "make" on flat contacts and vertical seams. Somewhat similar to Planet type of deposits, but smaller and with little development. On Ironclad claim is a crosscut with little drifts, in all about 400' of work. A winze 85' deep following a fracture plane S 20 W, at about 70 degrees, shows malachite, azurite and chrysocolla and a little sulphide in siliceous brecciated hematite and specularite. A little raise shows some ore on a flat contact of lime and granite gneiss. On an isolated claim an incline showing no ore is being sunk in expectation of striking silver ore, similar to that on the adjoining Rawhide prospect. The chances of the survival of the Cactus Queen appear very slim.

L. F. H.

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PROPERTY: Cactus Queen
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Conclusion

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Sample No.	Au Oz.	Ag Oz.	Cu %
1	.04	.14	6.71

W.V.DeC.

DISTRICT

William River, Mohave Co., Ariz.

PROPERTY

Cactus Queen.

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OWNER

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Oct. 21, 1918, by J. L. White.

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