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07/23/97

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES FILE DATA

PRIMARY NAME: SULTAN GROUP

ALTERNATE NAMES:

BADGER
CEDAR TREE

GILA COUNTY MILS NUMBER: 132A

LOCATION: TOWNSHIP 1 N RANGE 14 E SECTION 12 QUARTER SE
LATITUDE: N 33DEG 26MIN 20SEC LONGITUDE: W 110DEG 52MIN 35SEC
TOPO MAP NAME: INSPIRATION - 7.5 MIN

CURRENT STATUS: EXP PROSPECT

COMMODITY:

GOLD

BIBLIOGRAPHY:

ADMMR SULTAN GROUP
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THE SULTAN GROUP.

A series of gold-claim locations in the Globe mining District, Gila County, is known under this title. The group consists of the Badger, Cedar Tree, Cedar Hill, Peacock, Keystone, Homespun, Transit, Free Silver, and Little Man. The veins of auriferous quartz traverse granite rocks of similar nature to those in which the Lost Gulch veins occur. Diorite is also reported. The group consists of eleven claims, all contiguous. They are located 8 miles from Globe, in one of the most prolific districts in the Territory. There are no buildings and no machinery upon the claims, and none of the shafts has as yet reached a depth of over 140 feet. Both the hanging and foot walls are of a diorite formation. The veins have a northeast and southwest trend and vary from 2 to 5 feet in width between walls in the various openings. In most of the claims the ore is free milling above the 50-foot level; below that depth it is more or less complex, being a siliceous quartz, carrying iron pyrites and gold, which will concentrate about 10 to 15 tons into 1. There are no silver minerals or copper or lead above the 100-foot levels to interfere by fouling the quicksilver. The gold is finely disseminated through the quartz and is occasionally visible in the richer portions, and pans well at the grass roots.

The principal development is on the Badger claim. An incline shaft is 140 feet deep. The last 20 feet of depth is under water, which prevents examination, but the material taken out and now on the dump shows a value in gold of from \$6 to \$8 per ton. It is a heavy ore and would yield 1 ton of concentrates to 10 tons of ore. From the 120-foot level a drift is run southwest 30 feet, showing an average width of 5 feet of ore; also a drift along the trend northeast 27 feet, that shows about 2 feet of ore. Taking these drifts along the trend of the vein, as well as the ore in the shaft, from the lowest level to surface, including all openings, makes an average of 3 inches. A drift at the 65-foot level southwest 27 feet, also northeast 25 feet, shows a uniform body of ore, all of which is easily mined. The cost of mining it should not exceed \$1.50 per ton; very little powder is necessary to extract the ore. The average value of the ore of this shaft and drifts by furnace assays and mill run is \$11.50 per ton, but it is more base than free milling. The product above the 120-foot level would concentrate 15 tons into 1, and there is upon the surface dump about 170 tons.

Badger Crosscut No. 2 - This opening is 300 feet southwest of the Badger shaft. It is an open cut tunnel, showing the vein 115 feet below the croppings. A winze 25 feet deep connects with the workings of an old location shaft 40 feet deep. The workings show an average width of ore of $2\frac{1}{2}$ feet. It is claimed that this ore will yield from \$12 to \$14 on the plate of a stamp mill.

Keystone Claim.- Located on the north side line of the Badger; has a tunnel 70 feet long. A winze sunk 20 feet from the mouth of the tunnel is 40 feet deep. Ore, containing some lead-ore minerals, assays from \$4 to \$5 per ton.

Cedar Tree Lode.-Tunnel, 110 feet: continuous body the whole length, both in roof and floor of ore, averaging 10 inches in its roof and 1 foot along its bed; 40 feet from mouth of tunnel a winze is sunk 40 feet; ore continuous, gradually widening, at lowest point uniform width of 3 feet; assay value \$15, concentrating 15 to 1. Some of the surface ore is very high grade and free milling. This is considered the best mine of the Sultan group.

Cedar Hill No. 1.-Opened by tunnel 180 feet; about 150 feet from tunnel and directly over it a shaft was sunk 40 feet from surface, showing 6 inches of high grade ore. Water can easily be secured for a mile on this group of mines and without heavy expense, and wood can be had for the cost of cutting, there being an abundance on the locations. The ore bodeis in the various openings on the mines of this group show remarkable strength and continuity. With proper facilities they can be easily mined.