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ARIZONA.

GENERAL REPORT NO 15.

STOCKTON HILL.

Dec 1, 1900

Location, Mojave County, Arizona, eleven miles  
north of Kingman.

Character of ores, Silver and gold.

Mines and prospects  
mentioned, "Prince George", "Cupel", "Star Spangled  
Banner Group", "Fountain Head" and "Eagle"  
Groups.

Stockton Hill is a mining district confined to the group of hills known as Stockton Hill. It is on the eastern side of the Cerbat range, which extends north to Chloride mining camp.

**HISTORY:** The district was operated in as early as 1870, but did not reach it's greatest importance until 1880 to 1885, and since that time has been going steadily backward until at present there are only four men at work in the district, and practically nothing is being done there. There has never been any great or steady production from the district, but at intervals between 1880 and 1885 there was taken out of several of the mines very fair values and tonnages.

The "Cupel" and "Prince George" mines have produced nearly all the ore of the camp. Both are closed down to-day and have been for many years. The ore in sight is worked out and further development will be necessary to make the mines of any value.

**GEOLOGY:** As will be seen by the map which accompanies this report there are four distinct veins in the Stockton Hill District. In reality the veins are porphyritic dikes, with accompanying quartz carrying gold, silver, and usually a small amount of lead. The ore bodies where "pay ore" is found are usually not continuous for long distances, but the values in them are very good.

The veins and dikes cut a country rock of mica schist and granites, much contorted and metamorphosed. The hills on which all of these locations are made rise rather abruptly

from the Hualapai Valley to an elevation of 6500 feet.

In going through all of the old workings they showed that the former operators were only taking out the very best silver ores, which would have to be the mode of operation at this present day. None of the ores except the "Fountain Head" seem to be well suited to reduction or concentration on the ground. The ore bodies are not of such size or permanency that they can be treated as low grade ores, consequently in my judgment the medium sized bodies of high grade ores must be looked to for results.

**MINES:** The "Prince George" mine, owned by Messrs McMahon, Russel and Frost of Kingman, produced \$60,000 net, according to the books of one sampling works and probably if all the ore shipped could be accounted for this figure would be at least doubled.

**DEVELOPMENT:** This mine is opened up by a shaft of 150 feet depth and a level and stope about 100 feet long. The ore is found in bonanzas in a large, soft, porphyritic dike, and is usually combined with lead. One large chamber, open to the surface, supplied most of the ore taken from this mine. It measures 75 feet long, fifty feet high and at least fifteen feet wide. When this chamber was worked out some further work, such as a small amount of drifting and sinking a 50 foot shaft from the bottom of the chamber was done, and the mine then abandoned. With further development it is quite possible that this might become a producing mine again.

"CUPEL" MINE: Is owned by Messrs Spruance and Stanley of San Francisco.

HISTORY: Like all the mines on Stockton Hill, good ore was found close to or at the surface, which occurred in small bodies and was quickly worked out. By further sinking more ore was found, and when finally 450 feet was reached and the ore was lost for the last time, the mine was closed down.

DEVELOPMENT: There is one main shaft said to be 450 feet deep on the incline. It is now partially filled with water and impossible to descend safely. Two other shallow shafts, almost entirely caved in, and some inaccessible drifts complete the development.

ROBERT GRAY GROUP: Consists of seven claims in two groups on two veins. The names of the claims are "Silver Monster", "Miners Hope", "Eagle", "Fountain Head", "Tigress" and "Victory".

DEVELOPMENT: The "Silver Monster" claim has three shafts, 40, 30 and 15 feet deep, on a vein of six feet in width. A sample from these ore dumps ran .20 oz gold; 6.30 oz silver, heavy in iron, zinc and lead.

The "Miner's Hope" has two shafts of 12 and 98 feet deep and 52 feet of tunnel on the vein. Some ore has been stoped out of this ground, and all the workings show a good three foot vein. The ore exposed, however, is low grade. "The Eagle" has four shafts, 15, 30, 35 and 60 feet deep. This part of the vein carries lead, gold and silver

ore. An average of 80 tons of ore shipped from these shafts and their adjoining stopes ran 60% lead. An average sample across 26" of vein assayed .03 oz gold and 18.15 oz silver.

The "Fountain Head" claim has three shafts, 30, 40 and 55 feet deep, with 80 feet of drifting from these shafts. Ore sampled 30 inches wide assayed:

.60 oz gold,	5.86 oz silver,	per ton
4.36 " " "	10.44 " " "	" "

These values surprised me by being so high, but the samples were taken indiscriminately and not in the "shipping ore".

The "Tigress" claim is developed by shafts, raises and winzes of 137 feet in total length and 300 feet of tunnelling. Thirty five thousand dollars worth of silver-lead ore (gross value) has been shipped away from here. The vein is from three to twelve feet wide in these workings.

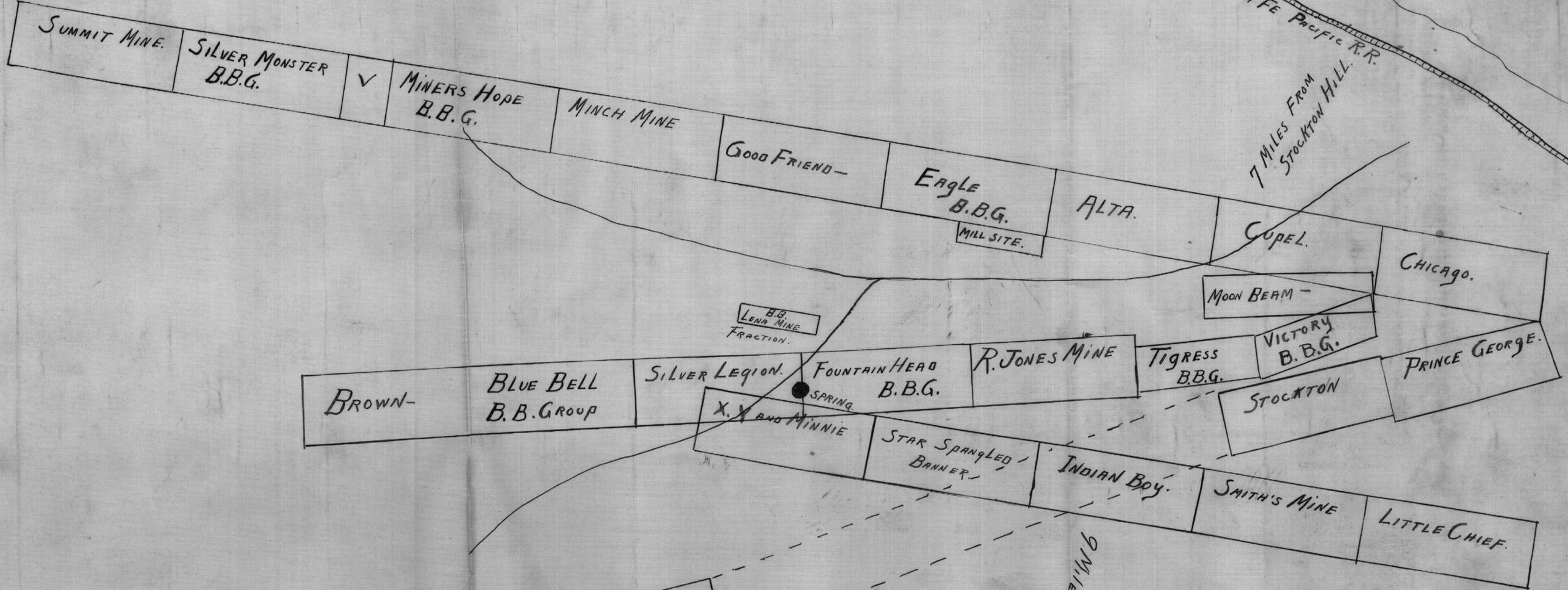
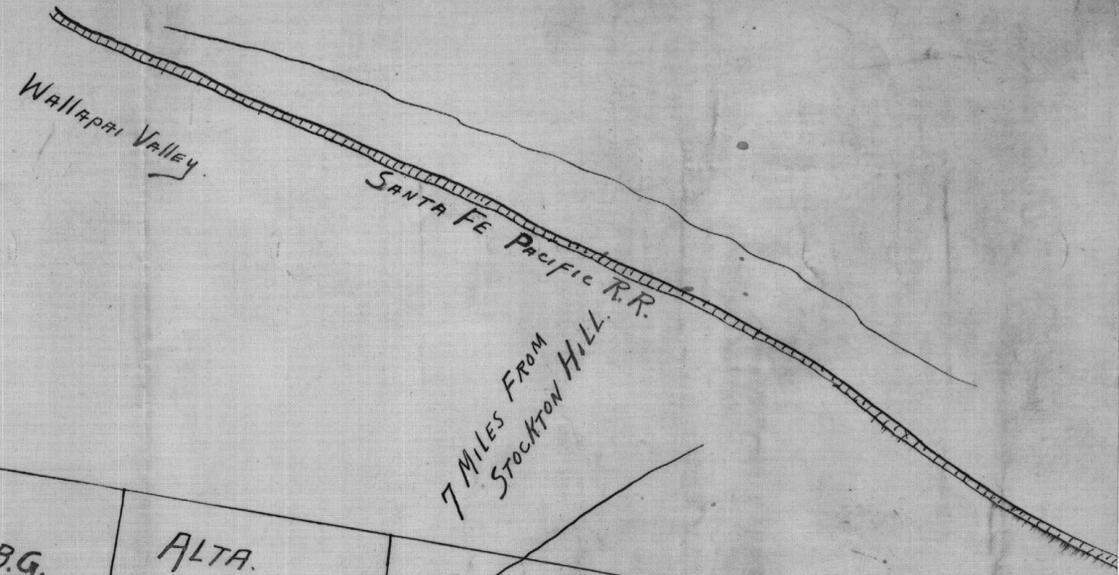
SUMMARY: In view of the good values found in the "Fountain Head" workings it would seem to offer inducements to a Development Company but for the fact that Mr Robert Gray, the owner, demands a cash payment of \$7,000 at the outset. The general character of the district does not warrant any cash payment, and any one putting capital into the development of any of these properties will be taking all the risk they should.

The "Prince George" and "Cupel" could be prospected to good advantage by the use of a diamond drill.

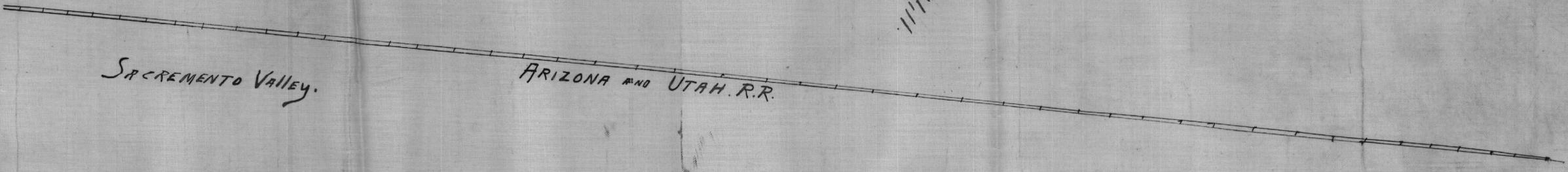
W.C.P.  
12/1 '00.



C.O.D. MINE



9 MILES FROM STOCKTON HILL



SACRAMENTO VALLEY.

ARIZONA AND UTAH R.R.