

2640 0001

17276 <sup>(196)</sup> Item 8

## DEPARTMENT OF THE INTERIOR

## Geological Survey

September 15, 1927.

Chalk Mountain, Quartz Mountain, Gold Basin, and  
King Mining Districts, Nevada.

The Chalk Mountain and Quartz Mountain mining districts are in southwestern Nevada southeast of Fallon, the nearest railroad station, to which the ore is hauled by autotrucks over the Lincoln Highway and thence shipped to Salt Lake City, Utah. The districts have recently been brought into prominence by the discovery of valuable ore bodies. This general region was examined by the Geological Survey several years ago, but in view of the recent discoveries and considerable production another visit was made in October, 1926. The work was done by F. C. Schrader, geologist, who received valuable aid and information from the local mining companies. The deposits occur mostly in Triassic (?) limestone and are associated with porphyritic intrusive rocks, like the ores of Tintic, Utah, and Leadville, Colo.

## King District

(196)

The King district is in the northeast corner of Mineral County, 50 miles southeast of Fallon, 15 miles west-southwest of Quartz Mountain, about midway between Quartz Mountain and Rawhide, and just west of Mount Anna, a prominent landmark. (See fig. 2.) The region is underlain principally by tilted Tertiary volcanic rocks which rest on Mesozoic(?) limestone, diorite, and granite. Gold is said to be widely distributed in andesite and rhyolite for the extent of nearly a mile.

Here, in September, 1926, a stringer or small vein of rich gold ore was found by B. H. Donnelly and Tex. Mondell at a depth of about 10 feet in an old shaft sunk in diorite porphyry. The strike soon attracted attention, and by October 20 a hundred men were camped on the ground. Soon after the discovery was made the principal properties, including the King and Queen claims, were taken over by the Desert Queen Mining Co. By November 10 two more strikes of high-grade silver-lead ore were made in parallel veins on the Queen claim. The ore is said to be associated with rhyolite, which intrudes the diorite. Some of it is said to run about 50 per cent of lead and 250 ounces in silver and \$2 in gold to the ton. By January, 1927, development showed the gold vein to carry 6 feet of ore on the 50-foot level, in April the Queen claim was reported to show 17 feet of mill-grade ore on the 100-foot level, and by June there had been shipped from the gold vein, it is said, 35 tons of \$40 gold ore.