

5250 0002

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(209)

91 Item 2

On the east end of the property, a 150 foot cross-cut adit exposes a rib of tactite mineralized with scheelite along the length of the cross-cut. Sampling indicates this width of altered material contains about 0.3 percent  $WO_3$ . From a surface cut  $\frac{1}{2}$  mile west of the adit, 100 tons were mined for mill testing that averaged 0.86 percent  $WO_3$ .

The property has been inactive since 1951.

(209)

(Mineral Co.)

S2, 5N, 31E

Qualey

The Qualey property consists of 4 patented lode claims, known as the Roosevelt, Calumet, Nevada, and Great Eastern, situated on the northwest slope of the Excelsior Mountains, about 16 airline miles south of Hawthorne, the supply base.

The mine area is underlain by sedimentary rocks of Middle Triassic age that have been intruded and metamorphosed by granodiorite. The sedimentary rocks have been metamorphosed to hornfels and tactite in a narrow zone that strikes northeasterly and dips  $45^\circ$  to vertical northwest. Dikes and apophyses of coarse-grained granodiorite composed of plagioclase and orthoclase with small amounts of biotite and hornblende cut the tactite and hornfels.

An east-trending fault that dips from  $70^\circ$  to vertical is cut in the lower adit. Mineralization along this fault contains pyrite, chalcopyrite, and small amounts of scheelite in a quartz-hornfels gangue. The fault zone is 1 to 3 feet wide, but where cut by cross-fractures, may widen to as much as 10 feet. The scheelite occurs in narrow seams  $\frac{1}{4}$  to  $\frac{1}{2}$  inch wide and several feet long that are localized along the footwall of the fault.



In a raise near the face of the lower adit, scheelite occurs in a small concentration 25 feet above the adit floor. The scheelite-bearing zone is about 10 feet long and 5 feet thick, and consists of a  $\frac{1}{2}$  inch seam of scheelite on the footwall of the copper-bearing zone. The mine workings consist of a lower adit 1,900 feet in length that bear southeastward from which several short cross-cuts and drifts have driven. A raise 200 feet in length, which is 100 feet back from the face of the lower adit, connects with an upper adit about 300 feet in length. Other adits, shafts, shallow prospect cuts, and pits exist on the property.

The analysis of 6 samples taken on the property indicates a tungsten content of 0.02 to 3.37 percent  $WO_3$ , with small amounts of copper, gold and silver. No tungsten has been produced or shipped from the property.

#### Scheelite Extension

The Scheelite Extension mine, comprising 2 unpatented lode claims is situated about 5 miles east of Rawhide and 57 miles southeast of Fallon, the supply base. The property adjoins the Nevada scheelite mine on the north.

Rocks exposed in the mine area consist of marblized limestone and light colored lime-silicated rock surrounded by granite. The sedimentary rocks strike  $N. 80^{\circ} E.$  and dip  $70^{\circ}$  south. Adjacent to the granite on the south side, the sediments have been altered in a zone that varies from a few inches to 13 feet in width. Scheelite is distributed sporadically in the tectite and locally is present in the marble and in quartz stringers in the granite.