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Clark County General Idea 35

## Clark County

Small smounts of scheelite occur at several localities scattered along the west side of the Virgin Mountains, principally in Mohave County, Arisona, near the Nevada and Utah borders. The scheelite occurs in pre-Cambrian schists and gneisses, usually in amphibole-rich layers, or in narrow quarts veins and pegmatites. The Nevada occurrences, on the Deer Trail and Cabin Canyon groups of claims, are south of Mesquite, which is on U. S. Highway 91. Despite considerable prospecting in 1942-43, no ore was found.

Memorandum:

Tungsten deposits in Cabin, Limekiln, and Hancock canyons near Mesquite, Nevada.

The tungsten deposite in Cabin, Limekiln and Hancock canyons are from 15 to 20 miles south to south east respectively of Mesquite, Nevada, in the Virgin mountains. Hancock canyon is in Arizona. So 13 Little Market New Mesquite and Market New Mesquite and Market New Mesquite and Mesquite and

Claims in Cabin canyon held by Albert Wharton, R.C. Colton, E. A. Walker, include Shooting Star and 3 others. Other claims in Limekiln canyon are held by Wharton, Walker, and A. Barnum. Claims in Hancock canyon, the Big Bend group of 6, are held by Wharton, Walker, Barnum, and Floyd Bekin fr (of Bekin truck lines, if he finances it).

We visited claims in Cabin canyon on April 5, those in Hancock canyon on April 6, we did not visit those in Limeliln canyon.

Wharton is the most active one of the wwners, the rest of whom are local farmers. All are relatively inexperienced in mining.

In Cabin canyon tactite (?) composed of fine grained quartz, pyroxene?, and sinongarnet, occurs in thin beds in a series of hornfels and marble, injected by granite, the whole forming a stock work. The quartz-pyroxene beds vary from 1 to 3 feet in thickness, and do not seem to be continuous for mere than 50 feet along the strike, though exposures are not satisfactory. The quartz-pyroxene bods have been prospected by several shallow pits. Scheelite, fluorescing yellow, occurs as thin plates up to \$\frac{1}{2}\$ inch in diameter 1 to 2 mm thick, sparsely disseminated along joints. The grade is very low, and no ore is visible.

We did not visit the claims in Limekiln canyon as br. Therton said the geology was the same as that in Cabin canyon.

In mancock canyon, the general geloly is similar, but there seems to be a much greater proportion of marnfel; in fact, saw no limistone, and little granite. Tactite composed of garnet and quartz, occurs as a lenticular bed to feet long, h feet wide in the center.

Scheelte in crystals up to g inch in dismeter fluoresced white. The grade of this body of tachite might avarage 15 of NO3. If the ore extends downward 10 feet there are 30 tons ofore here, which at 15 of NO3 contain 30 units.

## Summary

Tactite composed of quartz and garner containing scheelite ore occurs in one less in a series of hornfels in Sancock canyon. In Limebila and Cabin canyon a quartz-pyroxene rock containing some scheelite occurs in a stock work with hornfels, marble and grapaite.

Unless something better is found, there seems to be little likelihood of such tungsten production from the area.

Donald G. Wyant

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