

(Elko Co.)
S 15, 16, 21, 22, 45N, 56E

Little Joe

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(1963) Item 6

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The Little Joe tungsten property consist of 18 lode claims known as the

Little Joe group of 10 claims, and the Silver Shiek group of 8 claims situated on the southwest flank of the Tennessee Mountain, about 18 miles west of Mountain City and 88 miles north of Elko.

The sedimentary rocks in the area are shale and limey shale of Paleozoic age that have been cut by a granodiorite stock. The sedimentary rocks strike east and dip 80° south. Near the granodiorite contact the sedimentary rocks are metamorphosed to hornfels and locally tactite. They are cut, by aplite dikes and veinlets of quartz and calcite. Scheelite is associated with the tactite and with the quartz veinlets. 37

Tungsten mineralization as scheelite occurs in quartz veinlets and in irregular bodies in tactite adjacent to dikes of aplite. In the discovery cut between two aplite dikes, scattered crystals of scheelite occur in narrow quartz and calcite veinlets that cut the hornfels in all attitudes over a width of 26 feet. An aplite dike north of the discovery cut is bordered by a tactite zone 6 feet wide. Scheelite occurs in the tactite in concentrations up to 0.11 percent WO_3 .

Development openings on the property consist of 3 bulldozer trenches that vary from 200 to 300 feet in length, a 40 vertical shaft, and an adit 105 feet in length.

A few tons of 3.0 percent tungsten ore is reported to have been mined from a 10 inch quartz vein in the shaft workings. Except for this small production, no ore of minable grade has yet been developed on the property.

(43)

Owned by J. W. Mink

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