

(Lym Co.)

The Cow Boy tungsten property consists of 7 unpatented lode claims situated 17 miles southeast of the small settlement of Wellington, and 44 miles south of Yerington, the supply center. To reach the property from Wellington, Highway 22 south 12 miles, then 5 miles east on the Sand Canyon road to the mine.

SE of 41
Item 2

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The Cow Boy claims are located along a hook shaped septum of metasediments that is completely surrounded by granite. Some of the surrounding hills are capped by volcanic rocks. The sedimentary belt varies from 10 to more than 100 feet in width, and are exposed for a distance of 2 miles by surface workings and recurring outcrops. These outcrops generally have a central rib of tactite, which varies from a few feet to 25 feet in width.

In the western part of the belt the tactite dips steeply northeast, and is underlain by a sequence of amphibolite, biotite schist, fine-grained gneiss, and dense hornfels. In the eastern part of the belt the exposures are poor, but the beds dip steeply north and in some places marble outcrops west of the tactite.

There is a medium-grained tactite, consisting of variable amounts of garnet, quartz, epidote, calcite, and scheelite. Some powellite is present, but sulfides are infrequent. The scheelite occurs finely disseminated and as medium and large crystals and crystal clusters.

In addition to a number of small cuts and pits, irregularly spaced along the outcrops, the middle area is opened by 2 adits, 75 feet vertically apart. The lower adit is 50 feet long and strikes nearly north; from it a system of drifts totaling 300 feet extend northwest. The workings are in granite, except for a small mineralized area 35 feet long and 8 to 12 feet wide. The upper workings, comprising a 35 foot adit and a 30 foot incline winze driven in a northerly direction, cross-cut the mineralized zone, which in this place is about 35 feet wide.

Sampling and assay results indicate the minable ore section may average 0.5 percent WO_3 . Shipments of 2-50 ton lots contained 0.78 and 1.25 percent WO_3 , respectively.

USBM Unpubl. data, 1963