

1090 0001

S15, 17N, 24E

Ruth

(Lyon Co.)

180

Item 1

The Ruth property comprises 1 unpatented lode claim, situated about 3 miles north of Old Fort Churchill. The claim is located 38 miles west of Fallon, the supply base and 3.5 miles north of Weeks on Highway 95, alternate route, where there is a loading ramp on the Hazen to Mina branch line of the Southern Pacific Railroad.

In the mine area, quartzites, hornfels, and meta-volcanic rocks have been intruded by a granodiorite stock and by andesite porphyry dikes, which are overlain by andesite flows. The metamorphic rocks have been cut by faults in several segments, and locally contain a few layers of tactite several inches thick.

The tungsten ore bodies occur in fracture zones along faults of small displacement which cut metamorphic rocks. The ore mineral as scheelite, occurs disseminated in the tactite.

The Ruth workings consist of 2 short adits from which a block of ore 50 feet long, 6 feet high and 15 feet wide was mined that averaged from 0.4 to 0.5 percent  $WO_3$ .

Four exploratory pits, 1,000 feet north of the main workings, show 77 slight scheelite mineralization in 3 of the openings that may average 0.1 to 0.2 percent  $WO_3$ .

USBM Unpubl. data, 1963