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ORMSBY COUNTYS of 265 114
Item 1MineLocationOwnership

S. of 265 Tactite and Thursday

Sec. 9, T. 14N., R. 21E.

L. W. Little
J. VargiotuTactite and Thursday

The Tactite and Thursday tungsten property also known as the War Bond, Old Discovery, and Knight claims were last worked by the Carson Tungsten Co. The property consists of 11 unpatented lode claims situated on the south slope of a spur of the Pine Nut Mountains near the north end of the Carson Valley, about 15 miles southeast of Carson City, the supply center. Reno the shipping point on the Southern Pacific Railroad is 45 miles north.

The rocks in the mine area consist of buff-colored shale and interbedded blue-gray limestone, which have been intruded by granite. These formations are cut by narrow dikes andesite and occasional east-west trending dikes of pegmatite and aplite.

The limestone occurs in 4 parallel ribs between tongues of granite in an area 1,500 feet wide and 2,000 feet long. The sediments in these ribs strike north-south and dip 50° to 70° E. Adjacent to the granite contacts the limestone and shale has been metamorphosed and altered to epidote, garnet, and quartz in zones 30 to 100 feet wide.

Tungsten as scheelite occurs disseminated in tactite adjacent to the granite-limestone contact. Two mineralized areas, known as the east and west zones have been partially exposed.

USBM Unpubl. data, 1963

The west zone lies west of a granite tongue which has crosscut the shale sequence. Scattered scheelite occurs in this zone over a width of 200 feet and a length of about 1,000 feet. 115

Scheelite mineralization in the most favorable sections is confined to narrow widths which do not contain more than 0.3 percent WO_3 .

In the east zone which is 500 feet to the east of the west zone, scheelite-bearing tactite lies between tongues of granite. The mineralized zone is exposed for a length of 500 feet and a width that varies from 50 to 100 feet.

In this zone scheelite occurs in small shoots 3 to 15 feet wide and up to 30 feet in length. In these shoots the ore consists of garnet, epidote, quartz and calcite with scattered crystals of scheelite.

Elsewhere on the property, the altered zones have been prospected and only small areas of epidote are exposed that contain flecks of scheelite. The heavy garnet areas are not scheelite-bearing.

Numerous samples taken from the Old Discovery pit in the east zone varied from 0.29 to 0.45 percent WO_3 , over widths of 4 to 8 feet. Samples taken from the west section, Flag No. 2 claim, show that a 11.0 foot width of the mineralized zone averaged less than 0.3 percent WO_3 .

Surface stripping and shallow cuts excavated with a bulldozer and power shovel comprise the mine workings. Most of the work has been done in the Old Discovery, or east zone deposit, and on the Flag, or west zone deposit,

About 250 tons of ore averaging 0.3 percent WO_3 were mined and shipped from the Old Discovery pit for metallurgical testing purposes. 116