

513, 46N, 28E

Defense

(145)

Humboldt Co.

Item 9

The No. 1 claim of the Defense tungsten mine is situated about 104 miles north of Winnemucca and 11.4 miles south of Denio.

Rocks exposed in the mine area consist of metamorphosed mica schist containing a few layers of marble and hornfels in contact with granodiorite.

Dikes of aplite and diorite occur in the schist and in the granitic rock along⁴⁶ the contact. Ore was mined from quartz-tactite bodies along the contact between granite and metamorphic rocks and from a quartz vein. The 2 ore shoots that were mined were about 20 feet long and as much as 12 feet wide. Production from these stopes yielded about 1,400 tons of ore that averaged 1.0 percent WO_3 .

In addition to several surface cuts and a glory hole 30 feet deep, underground workings consist of a cross-cut adit 310 feet long, 110 feet of drifts along the contact and an 80 foot raise. The property has been idle since 1955.

USBM Unpubl. data, 1963

Hinkey Summit

The Hinkey Summit tungsten prospect property holdings consist of 10 unpatented lode mining claims located in the Rebel Creek district, 15 miles north of the small settlement of Paradise Valley, on the north slope of Hinkey Summit, 1 mile east of Spring Mountain.

Country rocks in the area include limestones, slates and quartzites that have been intruded by granodiorite. In the vicinity of the mine workings the sedimentaries strike N.10°E. and dip 35° to 65°N. In an area about

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