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NE of Walker Lake  
Mineral Co. Item 35

USBM unpublished rept. Mineral Co., Sec. 2, T11N, R30E Owned by George & Norma Hill

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Lucky Four

The Lucky Four tungsten property sometimes referred to as the Gillis and Wassuck consists of the 4 Lucky lode claims situated 16 miles southeast of Schurz, and about 5 miles east of the Gillis siding on the Hazen to Mina branch line of the Southern Pacific Railroad.

The 4 claims are located on a belt of dark limestone and schist which have been intruded at various places by aplite and diorite porphyry. The limestone and schists strike northwesterly and dip east. On the west side of the property the diorite-limestone contact parallels the strike of the sediments. Adjacent to the diorite contact the limestone has been metamorphosed in narrow bands of tectite, which in places has been extensively sheared and leached.

Scheelite mineralization is limited to the tectite areas composed of garnet and epidote which are interlaced by thin veins of quartz. In these areas the scheelite occurs disseminated in the tectite and as crystal clusters in the quartz stringers. Scheelite mineralization is not found in the tectite areas that are chiefly composed of garnet.

The mine workings consist of 2 shallow shafts (15 and 30 feet deep) 700 feet of drifting and cross-cutting in an adit, and a number of shallow pits and trenches.

A total of 105 tons of selectively mined and sorted ore was shipped that varied in grade from 1.05 to 2.0 percent  $WO_3$ . The property has been idle since 1944.