

*W. Pine 6.
S28, 24N, 62E*

Schafer

0860 0002 (325) Item 7

The Schafer property consists of 7 unpatented lode claims situated along a southward-trending ridge on the west slope of the Egan Range, 5 miles west of the small settlement of Cherry Creek, and about 55 miles north of Elko, the supply and chipping center.

The property was located by Frank Schafer in 1915. During World War I a small tonnage of selected and sorted ore was produced and shipped that contained 20.0 percent WO_3 . In 1942, the property was leased to Jack Bundy and Ken Cleghorn who did considerable development and exploratory work in the form of drifting, raising, crosscutting, and diamond drilling. The lease was abandoned in 1953, and was released to the Baltimore Camas Mines, Inc., in 1954. From the lease operations 1,700 tons were produced that contained 0.81 percent WO_3 .

Quartzites, shales, and limestone underlie the Cherry Creek District. The older rocks exposed along the east base of the Egan Range consist of quartzites with interbedded shales. Overlying these beds on the west are calcareous shales, and blue and gray limestone. On the Schafer property, the formations are a gray limestone that strikes N.10°W. and dips 50°W. Near the crest of a southward-trending ridge 3 shallow cuts expose a quartz-and calcite replaced zone in limestone mineralized with scheelite. This zone, 6 to 8 feet wide and 75 feet long strikes and dips with the formation. The scheelite-bearing quartz and calcite did not come to surface, but instead were covered by 2 to 4 feet of partially altered limestone. Underlying the capping, the replaced zone consists of a rib of calcite, a rib of quartz, and a zone of quartz and calcite stringers which are controlled by a series of fractures parallel to the bedding. In this latter zone scheelite occurs disseminated in coarse crystals, in crystal clusters and as thin skins on parting surfaces. In general, the scheelite is more closely associated with a brown quartz than with calcite. The grade of the material varied from 0.5 to 2.0 percent WO_3 .

The mineralized zones has been developed on the dip by the Spud Hatch, Middle, Huston, and Schafer adits totaling about 365 feet of underground workings. Stoping operations were largely confined to the lower Schafer adit on the west side of the property.

USBM Unpubl. data, 1963.