

4870 0006

Selenite Range

Pershing Co. - general
Item 35

Areturus - TREGO DIST.

The Areturus prospect is at the north end of the Selenite Range, about 8 miles northeast of Gerlach. It is reached by a short gravel road that joins the country road between Gerlach and Trego at a point 12 miles from Gerlach. The property was discovered in 1941 by T. S. Dalton, Jack Dalton, and John Durkin of Gerlach, and in 1943 was leased

by Hugh Dobbins, Edward Bottomly, and Roy Hardy.

Scheelite-bearing tectite is exposed at the surface in a lens 50 feet long and 4 to 5 feet wide. The ore-bearing tectite is coarse-grained and consists of dark-brown garnet, epidote, quartz, and scheelite, giving an average content of 1.0 percent of WO_3 . Surrounding this ore and continuing along the strike for several hundred feet is barren tectite composed of a coarsely crystalline aggregate of pale-red garnet, dark-green hedenbergite, quartz, and calcite. The tectite is interbedded with calc-silicate hornfels, biotite schist, and metamorphosed volcanic rocks, all of which dip gently southeast into a large granite mass that constitutes most of the range (fig. 164). The contact between granite and metamorphic rocks is steep.

Fig. 164. Geologic map and section of the Arcturus tungsten prospect, Selenite Range, Pershing County, Nevada.

and the ore-bearing tectite is probably cut off by granite about 200 feet down the dip. In a 440-foot crosscut adit driven at a depth of

200 feet beneath the ore body, granite, which may be part of the main mass, was intersected at 390 feet from the portal; the ore zone probably is eliminated above this level.

At the northeast end of the property, tectite is found in a body 200 feet long and up to 20 feet wide. It consists of pale-red garnet and diopside with scanty scheelite. The parts that are most highly mineralized are 2 to 3 feet wide and contain only 0.2 - 0.4 percent of WO_3 .