

2340 0018

Stormy Day - HOCKER DIST.

(275)

Item 25

The Stormy Day mine is on the west side of the Selenite Range, near the south end. It can be reached from Gerlach by driving 13 miles south on the road to Nixon, then 2 miles east on the mine road. The group of 10 claims was located in 1941-42 by J. J. Thrasher, Helen C. Thrasher, and Abel Azellano, and in 1943 was leased to George B. Thatcher, William Woodburn, and George E. Turpin. In 1944, the lessees shipped 1,029 tons of ore containing 787 units of WO₃ to Metals Reserve Co.

Tactite, part of which contains scheelite, occurs at places along a contact between biotite-granite and marble (fig. 166). The intrusive

No Fig. 166. Geologic map and sections of the Stormy Day mine, Selenite Range, Pershing County, Nevada.

contact has the same general attitude as the invaded sedimentary rocks, with a northerly strike and a westerly dip of 45° - 80° . Locally, the granite cuts across the beds, both along the strike and down the dip. The scheelite-bearing tactite is a coarse-grained aggregate of garnet, epidote, pyroxene, and quartz, with a little scheelite and, locally, small amounts of pyrrhotite, pyrite, molybdenite, chalcopryrite, and powellite.

The known ore bodies are distributed along the intrusive contact for a distance of 750 feet, and appear to be most extensive where the granite and marble are locally discordant. Eight short adits, 15 to 50 feet long, were dug to prospect the contact near the surface, and 2 longer crosscut adits 150 and 250 feet long cut the con-

tact at a depth of 140 feet.

The main ore body is intermittently exposed at the surface for a length of 150 feet. In the south crosscut adit, ore is exposed for a length of 100 feet. The width of the ore ranges from 1 to 15 feet, and averages 6 or 7 feet.

North of the main ore body are a series of narrow, discontinuous lenses 1 to 3 feet thick, found in the north adit. This part of the contact is not exposed at the surface.

Thin layers of tactite 2 to 3 feet wide, and containing 0.5 to 0.75 percent of WO_3 , are exposed in short adits 250 and 400 feet south of the main ore body. These exposures do not appear to be parts of continuous ore bodies.

For 5 miles north of the Stormy Day mine, tactite with a little scheelite occurs at various places along the granite contact. Two groups of undeveloped claims were owned in 1943 by Helen C. Thrasher and by Al Jenkins and sons. Only at one place, near the center of

the Jenkins property, is the scheelite concentration sufficient to be of possible commercial interest. At this place, mineralized tactite is intermittently exposed for 750 feet. A few cuts show tactite 4 or 5 feet wide with an average grade of about 0.5 percent of WO_3 . When examined in 1945, the zone was not sufficiently prospected by surface trenches to prove continuity.