

4560 0021

July 8, 1971

LINKA AND CONQUEST MINES
LANDER COUNTY, NEVADA

Two days, July 6 and 7, 1971 were spent examining the underground workings of the Linka and Conquest mines in the Spenger Hot Springs District of Lander County. Sketch maps of the Linka and lower workings of the Conquest were prepared showing the important geologic features. Samples were taken in both mines.

The major feature brought to light by this work is that the Linka tactite body does not extend northeast to the Conquest as a continuous body. The Linka tactite body is approximately 600 feet long and from 10 to 25 feet wide as exposed on the 150 foot level of the mine. This ~~expression~~ expression of the body is roughly the same size, indicating that the tactite band has not decreased in size with depth.

Several diamond drill holes were noted near the shaft and at the south end of the Linka workings. The shaft is reported to extend another 60 feet below the 150 level, but no mining was done from any lower level. The drilling and shaft sinking would seem to indicate that the old operating company had plans to mine ore from the downward extension of the tactite. This ore would still be in place, but its volume and extent is unknown.

The grade of ore maintained in milling operations at the Linka is reported to be 0.6% WO_3 . Material as low as 0.3% WO_3 was mined. Patches of high-grade ore were recovered from the Linka, Conquest, and the Peer Incline (located about half-way between the two mines), but the over-all grade of ore from the area could be expected to average no better than 0.6% WO_3 . The water level at the Linka is at 180 feet and at the Conquest is at 100 feet. Both mines are mined out nearly to this level, and any future mining would be below water level.

Tactite at the Conquest Mine is considerably different in nature from that at the Linka. The replaced sedimentary rocks are thin-bedded and cherty and the resulting tactite is streaked with silica and garnet. No massive garnet zones were seen. It is possible that the replaced strata at the Conquest are rocks from the Vinini formation rather than lower-plate Antelope Valley limestone.

Although the mapping of the Linka considerably reduced the inferred potential of the area, an important tonnage of ore could be developed below the 150 foot level. At the Conquest, the important unknown is still what happens to the tactite zone to the northeast beyond the present workings.

As at the Linka, Conquest ore apparently occurred right on a granodiorite contact near areas where the intensive cross-cut relic ~~structures~~ in the metasediments. It is therefore possible that additional ore could be developed at the Conquest either to the northeast or northwest from the end of the present mine openings

To further evaluate the Linka Mine portion of the area, diamond drilling would be necessary. At least two angle holes would be needed to test the extension of the tactite zone below the 1500foot level of the mine.

At the Conquest, it may be possible to trace the extension of the contact zone by conducting a magnetic and gravity survey over the concealed area northeast of the mine. It would then be necessary to test any inferred contact zones by drilling.

Additional tactite zones could exist at other locations on the rather extensive contact between granodiorite and limestones in the area near Spencer Hot Springs. Most of the contact is covered by volcanics or alluvium.

The Linka district contains potential for the development of additional tungsten orebodies. These bodies will, no

As at the Linka, the Conquest ore apparently occurred

doubt, be similiar in dimensions and grade to those mined to date. Mining would be by underground methods, as no large-scale open pit potential is seen in the district.

Unless the samples taken during the examination are completely barren, it is recommended that an offer be made on the Linka and Conquest properties.

The only evidence of work seen on the property was one rotary drill hole drilled for assessment purposes. Since little has been done by Cache Creek Exploration to further the exploration on this property, it is not felt that they should receive a large advance royalty payment. If the property can be acquired on reasonable terms, a detailed exploration plan can then be formulated. If Cache Creek insists on high front money, no further interest should be shown in the district at this time.

Joseph V. Tingley

