

4560 0004  
S14, 17N, 46E

Linka

(162) Lander Co.  
Item 4

The Linka property comprising the Garnetite group of 5 claims is situated on a low knoll near the north end of Smokey Valley, about 23 miles southeast of Austin.

Claim locations were made in February 1941, but it was not until, 1943 when actual mining began. During the next few years a total of 2,673 tons were produced and shipped that average 0.72 percent  $WO_3$ . In the fall of 1953 the Consolidated Uranium Mines Inc., secured the property on a bond and lease arrangement. Considerable development was done during 1954 and 1955. A 400 ton capacity flotation mill was erected and milling on a 300 ton daily basis started August 15, 1955.

Rocks in the area include thin bedded limestones and hornfels which have been cut by dikes of granite, aplite, and porphyry. A larger mass of granitic intrusive contacts the sediments on the east side of the property. The sediments strike about north-south and opposed dips indicate an anticlinal structure with the long axis trending with the beddings. Close to the hornfel contact the limestones are cut by 2 faults of small displacement that strike northeast and dip southeast. Adjacent to these faults the limestones have been altered to tactite in a zone 50 to 100 feet wide. The tactite is composed chiefly of quartz, garnet, and epidote with minor amounts of calcite, molybdenite, pyrite, scheelite and powellite. Most of the scheelite occurs finely disseminated.

The surface working consist of a pit, 100 feet long, 50 feet wide and 25 feet deep. The main underground workings consist of a 210 foot vertical shaft from which about 1,000 feet of drifts and cross cuts have been extended on the 150 foot level. From these workings shrinkage stopes were prepared for mining. Other workings include a 130 foot shaft inclined  $45^\circ$  south which is 1,500 feet northeast of the main workings. This opening follows the footwall of a tactite zone that is about 20 feet thick.

The property has been idle since 1957.

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