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USBM Unpubl. Data (1963)

(16)
Item 2 20CHURCHILL COUNTY

	<u>MINE</u>	<u>LOCATION</u>	<u>OWNERSHIP</u>
16	St. Anthony (Toy)	Sec. 34, T.25N., R.29E.	St. Anthony Mining Co.
n. of 196	Midnight	Sec. 6, T.14N., R.34E.	F. T. Pine, Mark Harris.
n. of 199	McCoy (Revely)	Sec. 20, T.15N., R.32E,	Cy Cox.
18	Hill Top	21N., R.38E.	Tungsten Mountain Mining Co.
16	United Tungsten	Sec. 33, T.25N., R.29E.	R.F.D. LeMon.

St. Anthony (Toy)

The St. Anthony (Toy) property consists of 5 patented lode claims known as the Fairmont, East Fairmont, South Fairmont, Tip Top No's 1 and 2, situated in a narrow canyon on the east flank of the Trinity Range about 22 miles south of Lovelock, the shipping point and supply Base.

The property first known as the Toy ⁽⁴⁾ was the first contact-metamorphic tungsten deposit discovered and worked in this country. The property located in 1908 for silver was purchased during the same year by the St. Anthony Mining Co., a subsidiary of the Atolia Mining Co. Only prospecting and development work was done until 1915, when a mill was erected at Toy to treat the ores. Milling operations were conducted by the company in 1916 and 1917, and by lessees in 1918. Mine operations from 1918 to 1943 were intermittent. Production during 1916-1918 amounted to 19,182 tons from which 21,292 units

of WO_3 was recovered. From December 1940 to January 1943 the property was leased to the Rare Metals Inc. From this operation 2,733 tons were produced that yielded 1,275 units that averaged 68.63 percent WO_3 . During the later operation old stoped sections were extensively worked, also a new section between the 5th and 9th levels. Operations were suspended when known mineralized areas were exhausted.

Toy Mining District

The St. Anthony tungsten mine, (Toy mine) is situated in the Toy mining district, Sec. 34, T. 25N., R. 29 E. (4). This was the first contact-metamorphic tungsten deposit discovered and worked in Churchill County. The property was located in 1908 for silver. The Atolia Mining Co. acquired the property, and formed the St. Anthony Mines Co., but only prospecting and development work was done until 1915. With higher tungsten prices, a mill was built at Toy, Pershing County, and work was carried on actively until the early part of 1917, when owing to the apparent exhaustion of the ore and the decrease in tungsten prices, company operations were turned over to lessees.

The country rock consists of shales, quartzites and a thin bed of limestone. These sedimentary rocks, which are perhaps of Jurassic Age, strike $N.60^{\circ}W.$ and dip $35^{\circ}SE.$ They have been intruded by granodiorite, which has altered the limestone and produced the ore. The altered zone, varying in thickness from 4 to 12

feet was extensively explored by surface cuts and underground workings through a strike length of 1,500 feet and to a depth of 400 feet vertically below the outcrop. The better mineralized sections were confined to areas 50 to 230 feet in length. The principal ore body had a strike length of 230 feet above the 200-foot level. Below this point, mineralization was confined to an irregular shoot that raked steeply east and diminished in size at depth, finally pinching out above the ninth level. Elsewhere along the contact the ore bodies occurred as small, irregular shoots.

Midnight

The Midnight property also known as the Scheelite-Midnight and Bell Flat, consists of ten unpatented lode mining claims located on the east slope of Slate Mountain, 74 miles by road east of Fallon. Calcareous schists, cut by dikes and sills of granite, aplite and shyalite comprise the country rocks throughout the district. Scheelite and powellite occur in three small tactite lenses which are widely separated in the schists. A production of seven tons is reported, that contained 1.49 percent WO_3 . The property was idle in 1943.

McCoy

The McCoy tungsten property also known as the Revely and Red Bird, consists of four unpatented lode mining claims situated near the crest of the S and Springs Range, about 48 miles southeast of Fallon.