

S16, 17, 20, 85, 53E

Oak Springs

Nye Co.

The Oak Springs tungsten property also known as Tanney or Climax tungsten mine consists of the Climax group of 4 unpatented lode claims, situated 106 miles northwest of Las Vegas and about 22 miles southwest of the Groom mine. The property lies within the Nevada proving ground of the Atomic Energy Commission.

Sedimentary rocks exposed in the area consist of marbleized limestone interbedded with cherty limestone. In the north part of the mine area, these rocks strike north and dip  $30^{\circ}$  to  $40^{\circ}$  E. In the southern part of the area the beds strike easterly to northeasterly and dip  $30^{\circ}$  to  $60^{\circ}$  N.

A granite stock about three-quarters of a mile wide and a mile long intrudes the sedimentary rocks, and sills and dikes of granite extend into the sedimentary beds. On the granite contact the finer limestone has been marbleized and the impure limestone beds have been converted to tactite consisting of garnet, epidote, plagioclase, feldspar, and magnetite which in part is scheelite-bearing.

In the marbleized limestone, the ore occurs in several parallel beds that have been converted to tactite. In size, these bodies vary from 1 to 200 feet wide, and from 150 to 300 feet long, averaging about 3 feet thick. In these areas, the ore is concentrated in layers along the hanging wall.

The ore mineral is scheelite in a gangue of garnet, calcite, epidote, feldspar and quartz. Scheelite is uniformly distributed throughout most of the ore layers in the northern part of the mine and less uniformly in the ore layers in the southern part of the area.

Mine openings on the property consist of 4 adits totaling about 2,300 feet of workings and a stope 38 feet wide that extended up dip for a distance of 69 feet.

The assay results of 16 samples taken from various parts of the mine

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ITEM 1



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The assay results of 16 samples taken from various parts of the mine indicate an ore grade of 0.7 percent  $WO_3$ .

Past production from the mine amounted to 1,000 tons that contained 0.54 percent  $WO_3$ .