

3760 0007

PROPERTY NAME: Copper King Mine

OTHER NAMES: \_\_\_\_\_

MINERAL COMMODITY(IES): WO<sub>3</sub>, copperTYPE OF DEPOSIT: Intrusive contact (skarn), shear zone

ACCESSIBILITY: \_\_\_\_\_

OWNERSHIP: \_\_\_\_\_

PRODUCTION: About 950 tons, .70% WO<sub>3</sub>, 1951, 1956HISTORY: Originally located for copper between 1906-08, by  
L.A. Friedman and Jesse KnightDEVELOPMENT: Three shafts, open pit, several trenchesACTIVITY AT TIME OF EXAMINATION: NoneGEOLOGY: See attachedUTM IS FOR SAMPLE SITE 2992UTM FOR SAMPLE SITE 2993 IS N 4429955 E 343160UTM FOR SAMPLE SITE 2994 IS N 4429910 E 343200REMARKS: 9 9 9  
Samples 2292, 2293, 2294

REFERENCES: \_\_\_\_\_

EXAMINER: J.V. TingleyDATE VISITED: April 16, 1985County: Pershing Item 7  
(C.N.R. FILED IN RAGGED TOP MOUNTAIN)Mining District: Copper ValleyAMS Sheet: LovelockQuad Sheet: Ragged Top Mtn. 7 1/2'Sec. 28 T 25N R 28E

Coordinate (UTM):

North 4 4 2 9 9 9 5 mEast 0 3 4 3 3 8 0 mZone +11

COPPER KING MINE

Other names ----- Blue Wolf, Copper Kelly  
Location ----- S28,T25N,R28E  
U.T.M. 4,430,000N, 343,300E  
Lat. 40°00'30"N, Long. 118°50'W  
Base map ----- Ragged Top Mountain 7.5' quadrangle (1981)  
Tungsten Production --- 670 units WO<sub>3</sub> (1952-56)

. The Copper King Mine is on the west flank of the Trinity Range, about 3 miles southwest of Ragged Top Mountain, at an altitude of 4,500 feet. The claims were originally located and explored for copper, by L. A. Friedman and Jesse Knight, between 1906 and 1908. Several shallow shafts were sunk, but there is no recorded copper production. The U.S. Vanadium Co. conducted exploration for tungsten in 1944, but soon abandoned the property. Cordero Mining Co. acquired the property in 1951 and shipped 750 tons of ore, that contained 0.82 percent WO<sub>3</sub>, from an open pit adjacent to the Copper King shaft. In 1956 an additional 193 tons of ore, that contained 0.22 percent WO<sub>3</sub>, was mined by leasers and shipped to the Toulon Mill. The property was again explored for copper in 1968 but no production was reported. In 1976 the General Electric Co. acquired the property and did extensive mapping, sampling, and drilling. Based on the drill results it was estimated that the indicated ore potential of the property was a maximum of 500,000 tons of material that averaged 0.4 percent WO<sub>3</sub>. This material is contained in about five separate, but parallel, zones of scheelite mineralization in the tactite lense.

The ore deposit is in a tactite lense which occurs along the eastern margin of a large granodiorite mass, where it is in contact with sedimentary rocks of Triassic-Jurassic age. Limestone beds within the sedimentary section have been silicated, forming epidote-garnet tactite masses. Bedding within the tactite is steep. The outcrops of tactite are small and pod-like, but drilling results indicate that pendants of tactite extend as much as 900 feet

into the enclosing granodiorite. Scheelite associated with pyrite, chalcopyrite, bornite, and molybdenite occurs in lenses within the tactite bodies. Shear zones, which cut the tactite, are mineralized with secondary copper minerals.