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ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES AZMILS DATA

PRIMARY NAME: MUSIC MOUNTAIN TUNGSTEN

ALTERNATE NAMES:
SANTA FE TUNGSTEN

MOHAVE COUNTY MILS NUMBER: 171A

LOCATION: TOWNSHIP 28 N RANGE 16 W SECTION 19 QUARTER SE
LATITUDE: N 35DEG 47MIN 38SEC LONGITUDE: W 114DEG 01MIN 48SEC
TOPO MAP NAME: GARNET MTN - 15 MIN

CURRENT STATUS: EXP PROSPECT

COMMODITY:
TUNGSTEN

BIBLIOGRAPHY:
USGS GARNET MTN QUAD
DALE, V.B., TUNGSTEN DEPTS. OF GILA, YAVAPAI
& MOHAVE COUNTIES IC 8078, P. 99
USGS PP 1361, P. 138, UNNAMED PROSPECT 25
ADMMR MUSIC MOUNTAIN TUNGSTEN FILE

Name of Mine or Prospect: Music Mountain Tungsten Prospect	Township 28N	Range 16W	Section 19	Priority B
Principal Minerals: Scheelite	1:250,000 Quad Kingman		7.5' - 15' Quad Garnet Mtn.	
Associated Minerals: Quartz, Garnet, Epidote	District Music Mountain		Principal Product Tungsten	
Type of Operation: Underground: Shaft	County Mohave	State Ar.	Type of Deposit Vein	
Ownership or Controlling Interest: Santa Fe Pacific Railroad Co. (1951) ¹ Frank Henderson Leasee				
Access: From the intersection of U.S. 66 and Hualapai Wash Road proceed north on Hualapai Wash Road for 32 miles. Turn right on Pierce Ferry Road for 6 miles. Then turn right on Diamond Bar Ranch Road and continue 10 miles. Turn right on unimproved road for 8.3 miles. Mine is shown on topographic quadrangle.				
Structural Control or Geological Association: "Scheelite has occurred along a contact between Precambrian granite and a small remnant of highly altered schist. Nodules of unaltered biotite schist may be seen in the granite in the immediate vicinity of the occurrence. Scheelite has been deposited along a quartz, garnet and epidote mass about 50 feet long and 6 feet wide which strikes easterly and is vertical. Local enrichment has occurred adjacent to a fault which strikes N20°W and dips 82°NE. A vertical pegmatite dike from 3 to 5 feet wide which strikes north is approximately 50 feet east of the shaft." ¹				
Age of Mineralization:				
Production History		Geochemical Analyses		
Very small, unrecorded production		Assay (1942) ¹ 5 samples ranged from 0.01 to 0.36% WO ₃		
References				
1) Dale (1961) p. 99-100.				

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
FIELD ENGINEERS REPORT

Mine Sante Fe (Iron Springs) Tungsten

Date January 24, 1953.

District Music Mountain

Engineer George F. Reed

Subject: General Description

Location & General Conditions:

This property is on Sante Fe Railroad Land and the showing where most work has been done is in the SE $\frac{1}{4}$ section 19, Twp. 28N, Range 16 W. It was leased until recently to Vern C. Haynes, Box 765, Kingman, Arizona, but has been dropped and returned to Sante Fe. It is reached by about 75 miles of fair to poor dirt roads from Kingman via Hualpai Valley Roads to Diamond Bar Ranch, Iron Springs, and thence about 4 miles West to the mine. The main working is located at about 4500 feet elevation and is on the very top edge of the Grand Wash Cliffs. From the dump, you can look down the steep slope and see Red Lake and across the Hualpai Valley about 50 miles air-line South to Kingman. The mine can also be reached by taking the Boulder Dam paved road (highway 93) North from Kingman for 30 miles to the Pierce's Ferry Road and thence North-East on this road to Diamond Bar Ranch, Iron Springs and the mine. It is in Mohave County.

Geology & Topography:

The rolling to flat surface at the top of the cliff here is mostly granite. The ore is enclosed in an area of metamorphic rocks (schists, gneisses, etc.) that form a roof pendant in this granite. This schist area is quite narrow and not very extensive. The ore itself is made up of coarse crystals of garnet, hard greasy quartz and green epidote. The ore mineral is scheelite which is almost lemon color and in crystals often as big as a nickel. No sulphides or other metallic minerals were seen. This quartz-garnet zone near the center of the schist, is up to several feet wide at the widest point and where first opened probably assayed over 1% WO₃ across four or five feet. An open cut was run in on it (cross-cut) to the vein giving a depth of about 15 feet. Then a shaft was put down another 40 feet. Some of the ore was milled at Iron Springs using crusher, rolls and a table.

This development showed the ore to be very spotty and all work has been stopped and the mined turned back to the Railroad Company.

Water & Power:

The nearest available water is near Iron Springs, about 4 miles by road and several hundred feet lower elevation. Plenty of water is available at this ~~general~~ general location. Nearest power is at least 30 miles away.

Conclusion:

The fact that Tungsten has been found makes it a possible area for further prospecting. Other occurrences of Scheelite are known along the general strike which is more or less North-West and roughly parallel with the crest of the cliff at this point.

George F. Reed