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10/11/85

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES FILE DATA

PRIMARY NAME: FLUORESCENT

ALTERNATE NAMES:

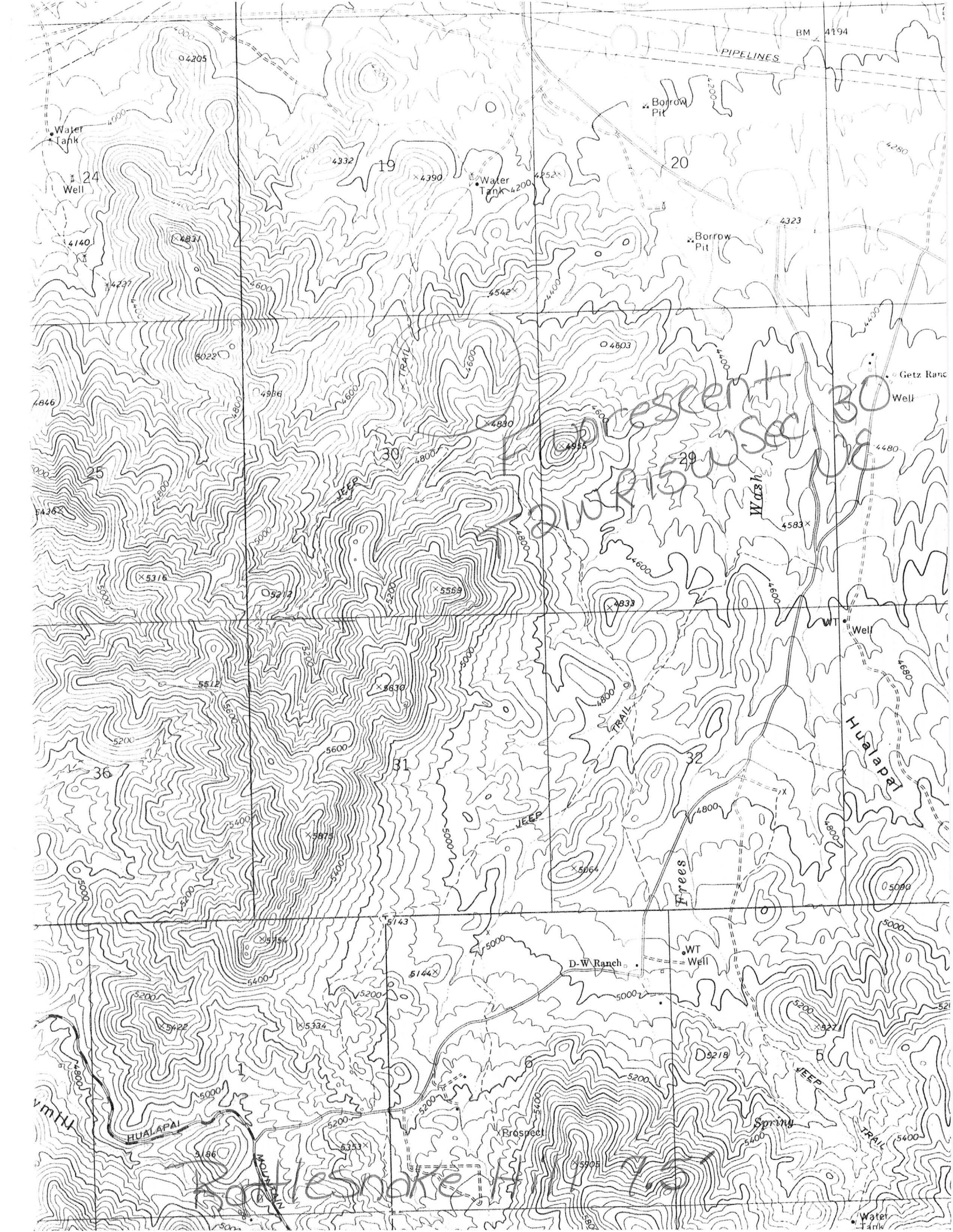
MOHAVE COUNTY MILS NUMBER: 577A

LOCATION: TOWNSHIP 21 N RANGE 15 W SECTION 30 QTR. NE
LATITUDE:N 35DEG 10MIN 37SEC LONGITUDE:W 113DEG 54MIN 52SEC
TOPO MAP NAME: RATTLESNAKE HILL - 7.5 MIN

CURRENT STATUS: PAST PRODUCER

COMMODITY:
TUNGSTEN-(M)W03 CONTENT-PRIMAR
GEMSTONE-(M)SEMIPRECIOUS
SILICTES-BYPRODUCT
IRON-(M)SULFIDE-BYPRODUCT
IRON-(M)HEMATITE-BYPRODUCT

BIBLIOGRAPHY:
ADMMR FLUORESCENT MINE FILE
DALE, V.B. "TUNGSTEN DPSTS OF GILA, YAVAPAI, MOHAVE CO., AZ" USBM IC 8078 P 92; 1961


BM 4194
PIPELINES
Borrow Pit
Water Tank
Well
Borrow Pit
Water Tank
Getz Ranch
Well
Wash
TRAIL
JEEP
WT Well
Hualapai
TRAIL
JEEP
Trees
WT Well
D-W Ranch
HUALAPAI
MOUNTAIN
Prospect
Spring
JEEP
TRAIL
Rattlesnake Hill
Water Tank

Florescent Prospect	21N	15W	30	C

Principal Minerals:	1:250,000 Quad	7.5' - 15' Quad
Scheelite	Williams	Rattlesnake Hill
Associated Minerals:	**District**	**Principal Product**
Quartz	Maynard	Tungsten
Type of Operation:	**County / State**	**Type of Deposit**
Underground	Mohave / Ar.	Vein

Ownership or Controlling Interest:
V.C. Haynes & Wesley Curry (1950)[1]

Access: From the Hualapai Mtn. Road interchange of I-40, proceed south on Hualapai Mtn. Road for .25 miles. Turn right on unimproved road for 2 miles. Prospect pits are shown (unnamed) on topographic quadrangle.

Structural Control or Geological Association:

"Scheelite is present in a vein in a very small remnant of schist and gneiss surrounded by granite in which pegmatite entrusions are mixed. The scheelite is in a vein 5 to 6 feet wide which strikes N39°E and dips 79°NW. Concentrations are seen along both foot and hanging wall. The material between the two enriched zones is altered biotite-gneiss, and contains sparse fine-grained scheelite. Indications show that enrichment has occurred at the intersection of the vein with cross-fractures that strike N55°E and dip 25°SE."[1]

Age of Mineralization:

Production History	Geochemical Analyses
Produced 135 units WO_3.	

References

1) Dale (1961) p. 94-95.

FLUORESCENT MINE MOHAVE COUNTY

KAP WR 6/5/81: The Fluorescent mine is reported in the MILS location system and the department file to have been a tungsten prospect. The Property was visited after dark to examine outcrops, trenches, and pits with a short wave ultra-violet light. Three trenches across the vein structure were examined. Very small amounts of scheelite were visible in all three cuts. The majority of scheelite shows low molybdinum-bright blue fluorescence, a limited number of specimens, show the yellowish-white fluorescence of high powellite-scheelite (high molybdenum). It appears that any scheelite that could be hand cobbed by indentification with a black light and removed by crude mining methods has been removed and shipped. Junk around a now vacant campsite, would suggest that the mine was last worked in the era in the mid 1950's. A shaft is described in the department's Fluorescent mine (file). It was not visited due to the limitations of visiting the property after dark.

RIH

NAME: FLUORESCENT COUNTY: MOHAVE ✓

Battlesnake Hill 7½

T21 N R 15 W SEC. 30 El 4560 DISTRICT: MAYNARD

Mineralization: WO_3 Scheelite

Geology: Vein in small remnant of schist-gneiss surrounded by granite
Mineralization pinched out 40' below Surface

Type Operation: 100' shaft with drifts on 40' & 100' levels Small prospect Pit & Open Cut

Production: 135 Units WO_3

References: I.C. 8078 p94-95

Mohave County Card File

See AR 8078
p. 72, 94

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
FIELD ENGINEERS REPORT

Mine Fluorescent Mine (Tungsten) ✓ Date November 13,1952.

District Maynard(Northern Part) Engineer George F. Reed

Subject: Tungsten Mine operation.

Fluorescent and Fluorescent No.1 Claims are reached from Kingman via the "Sandy Road" by turning right off the Sandy Highway at mile post 80 which is about 8.0 miles from the railroad track at the East end of Kingman. The mine workings are .8 mile off the Sandy road. This last .8 mile is quite rough,low gear road. The claims are probably in Sec. ~~28~~ 29, Twp. ~~21~~ 20 North, Range 15 West. C. ✓ 19 ✓ 21 B&M USBM LAS.

Verne Haynes and Wes.Curry, owners,staked the claims about a year ago and have done all the work from the raw outcrops. Haynes is working by himself at present.Address for Haynes is Kingman,Arizona. Box 765

The mine is in rolling country at about 4000.feet elev. A few scrub cedars and pines, with almost no brush on the hillsides.Getz Ranch about a mile East gets water from wells,but the supply appears limited.

The rocks at the mine are schists and gneisses intruded by pegmatite dikes and some other dikes including a fine grained green diabase. To the South-West is a large body of course grained granite.This shows up about 2000 feet from the mine workings. The mica schists contain many small garnets. Most of the formations are probably Pre-Cambrian.

The ore is entirely in form of Scheelite so far as known. It occurs in an irregular zone which seems to strike about N 30 E and has an almost vertical dip to the NW. Some of the best ore is in hard schist or gneiss and some is in gouge In places,the minable streak may be almost horizontal.The good ore varies from almost nothing up to widths of 4 feet. Mostly, it is about a foot. There is a parallel structure 6 to 10 feet to the South East that has produced a little ore.

The ore shows almost no outcrop. It has been opened by trenching for ~~and~~ about 30 feet SW of the shaft.From this point, scheelite can be found with a lamp in very small amounts for several hundred feet to the SW.To the NE, very little is found until a point a few hundred feet from the shaft. A this point a pit about three feet squ are and three feet deep produced some Scheelite.

Mine workings consist of an almost vertical shaft about 35 feet deep and about 70 feet of drifting. Forty feet of the drifting is on the structure which has produced almost all the ore to date. From this shaft,drift and a little underhand stoping, Haynes says they have produced roughly 100 units of Scheelite or $6,000. This ore must be mined and sorted with the aid of the Tungsten Lamp because much of it is in schist and gneiss that all looks alike and the scheelite is very inconspicuous.

Haynes hauls his ore down the Sandy road and out the Gold Standard Road a distance of about 12 miles to where he has his mill at a spring. Here he has a 6 by 12 crusher,elevator,screen (about 1 by 2 feet,10 mesh),rolls about12 by 18, fine ore bin, screw feeder and table. The whole outfit runs with two gas engines, one for all crushing and one for the feeder and table. Screen and elevator and rolls are in closed circuit. Capacity is said to be one ton per hour.Haynes picks out some magnetite with magnet and agitates his conc. 8 hours in 5% HCl to take out phosphorous. Then has conc.50-55% WO3 which he hauls to Bishop,Calif.

30. H.P. Engine Plato Table George F. Reed