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06/10/87

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES FILE DATA

PRIMARY NAME: MIDNIGHT GROUP

ALTERNATE NAMES:

HAMILTON

YUMA COUNTY MILS NUMBER: 97

LOCATION: TOWNSHIP 2 S RANGE 17 W SECTION 1 QUARTER NE
LATITUDE: N 33DEG 17MIN 15SEC LONGITUDE: W 113DEG 57MIN 40SEC
TOPO MAP NAME: KOFA BUTTE - 15 MIN

CURRENT STATUS: PAST PRODUCER

COMMODITY:

TUNGSTEN
GOLD LODE
LEAD

BIBLIOGRAPHY:

KEITH, S.B., 1978, AZBM BULL. 192, P. 155
ADM MR MIDNIGHT GROUP FILE

REFERENCES:

See: USBM RI 5516 1959 pp-26-28 (MIDNIGHT CLAIMS)

T2SR17W Sec. 1 NE

SEE: USBM RI 5516 pp-26-28 (TUNGSTEN CLAIMS)

MIDNIGHT GROUP
FORMERLY "HAMILTON MINE"

YUMA COUNTY
KOFA DIST.

MEMORANDUM - SUPPLEMENTARY

The Hamilton Tungsten is now called the MIDNIGHT GROUP. This mine is now owned by A. A. Findley, Yuma. Hamilton is no longer affiliated with it.

LEWIS A. SMITH
3-29-1960

Described in USBM - R.I. 5516 - 1959

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
FIELD ENGINEERS REPORT

Yuma Co.
Tungsten
Inactive

Mine ~~Rob Roy Tungsten~~
(Hamilton Tungsten) ✓
District Kofa *Mms*

Date 5-8-58

Engineer Lewis A. Smith

Subject: Inspection of the surface geology

Ownerg Agent *✓* A.C. Hamilton, P. O. Box 1743, Yuma, Arizona
✓ Harry E Hamilton

Location: The area lies due north of the King of Arizona and the Rob Roy Gold Mines.

Work: Several location holes.

Geology: The ore zone consists of a series of more or less parallel quartz pegmatitic veins in basal pre-Cambrian granite with schist floaters. The principal mineral is scheelite in the quartz and beside the quartz veins. The concentration of tungsten values appears to be in the contact area next to the quartz. The exposed area is large being more than 1200 feet long and variable in width up several hundred feet. The tungsten content is variable ranging from 1/2% up to 3%, according to Mr. Hamilton. The water situation is adverse so that the concentration of the material would be difficult, particularly due to the interlocking of the scheelite and gangue. Any proper estimate of the values would require much more development work and sampling than has apparently been done.

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DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
FIELD ENGINEERS REPORT

Mine ✓ HAMILTON MINE Date September 9, 1957
District Kofa - YUMA COUNTY Engineer Lewis A. Smith
Subject:

Owner: ✓ Harry E. Hamilton, Yuma, Arizona

Number of Claims: 5

Location: 1 mile North of Kofa (T2S R16W, Sec. 13)

Mineral: ✓ TUNGSTEN

Ore lies in quartz vein in schist and granite and runs 3-4% WO_3 and a little Wolframite. Veins 3-4' wide and traced 800', but pay streak is a few inches on the hangwall. The average of 3' was 0.75% WO_3 . *Scheelite?*

Development work consists of cuts and pits. Owner believes ore would have to be beneficiated to be marketable.

Not active.

DEPARTMENT OF MINERAL RESOURCES

STATE OF ARIZONA

FIELD ENGINEERS REPORT

Mine Midnight Mine

Date September 7, 1960

District Kofa District, Yuma County

Engineer Lewis A. Smith

Subject: Conference with J.A. Gibson at Wellton.

Mr. Gibson said that the schist of "Schist Hill" which is the Mignight gangue, is of the quartz-mica type. It is cut by parallel veins which strike E-W and dip nearly vertically. The veins have a quartz gangue and pinch and swell at relatively short intervals. Some pockets carry scheelite and these pockets are isolated by cross faulting and rolls in the schists. The sorted ore averaged one percent tungsten and this ore was sent to the Stetler Mill at Quartzsite for treatment. His production totaled less than 50 tons in all. The schistosity trends N 40-45° W and dips N 20-30° E close to where the schist plunges under Tertiary volcanics. Most ore control work was done by means of an ultraviolet lamp.

US Bm RI 5516, p. 26-28

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(Tungsten Claims)

DEPARTMENT OF MINERAL RESOURCES

STATE OF ARIZONA

FIELD ENGINEERS REPORT

Mine Findley-Meyers Claims (Midnight)

Date May 4, 1960

(Hamilton Co.)

District Kofa Dist., Yuma Co.

Engineer Lewis A. Smith

Subject: Interview with J. A. Gibson at Yuma conference.

Location: Near Rob Roy (T. 2 S., R. 17 W., Sec. 1-2)

Claims: 2 unpatented (adjoin Rob Roy on north)

Owners: J. A. Gibson, P.O. Box 7, Tacna, Arizona
William Findley, P.O. Box 711, Yuma, Arizona

Work: Several cuts and 2 location shafts (one being 30' deep).

Shipments: 8 truck loads of scheelite ore which averaged 1% WO_3 were shipped to the Stetler mill near Quartzsite. Stetler made a 60% WO_3 concentrate from this ore. This was shipped during the last five months of the government buying program. They were paid for 96 units. ~~They were paid for 96 units.~~ The return to them was \$50.00-\$55.00 per ton.

Mineral: Tungsten

Geology: The area consists of schists intruded by porphyry (reported to be monzonite) and by granite in the area east of the mine. The schist is cut by a series of pegmatite dikes or veins which contain pod-like lenses of tungsten ore. This ~~ran~~ when clean up to 1½% of WO_3 with some small but hot bunches of scheelite.

DEPARTMENT OF MINERAL RESOURCES

STATE OF ARIZONA

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(T. 2 S., R. 16 W. " 6) also LAS } RI. 5516

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