



CONTACT INFORMATION

Mining Records Curator
Arizona Geological Survey
1520 West Adams St.
Phoenix, AZ 85007
602-771-1601
<http://www.azgs.az.gov>
inquiries@azgs.az.gov

The following file is part of the

Arizona Department of Mines and Mineral Resources Mining Collection

ACCESS STATEMENT

These digitized collections are accessible for purposes of education and research. We have indicated what we know about copyright and rights of privacy, publicity, or trademark. Due to the nature of archival collections, we are not always able to identify this information. We are eager to hear from any rights owners, so that we may obtain accurate information. Upon request, we will remove material from public view while we address a rights issue.

CONSTRAINTS STATEMENT

The Arizona Geological Survey does not claim to control all rights for all materials in its collection. These rights include, but are not limited to: copyright, privacy rights, and cultural protection rights. The User hereby assumes all responsibility for obtaining any rights to use the material in excess of "fair use."

The Survey makes no intellectual property claims to the products created by individual authors in the manuscript collections, except when the author deeded those rights to the Survey or when those authors were employed by the State of Arizona and created intellectual products as a function of their official duties. The Survey does maintain property rights to the physical and digital representations of the works.

QUALITY STATEMENT

The Arizona Geological Survey is not responsible for the accuracy of the records, information, or opinions that may be contained in the files. The Survey collects, catalogs, and archives data on mineral properties regardless of its views of the veracity or accuracy of those data.

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES AZMILS DATA

PRIMARY NAME: NEW HOPE

ALTERNATE NAMES:

GOOD LUCK
RUSSELL TUNGSTEN
KP PROSPECT

YAVAPAI COUNTY MILS NUMBER: 106C

LOCATION: TOWNSHIP 13 N RANGE 10 W SECTION 22 QUARTER N2
LATITUDE: N 34DEG 27MIN 20SEC LONGITUDE: W 113DEG 17MIN 19SEC
TOPO MAP NAME: ARRASTRA MTN NE - 7.5 MIN

CURRENT STATUS: EXP PROSPECT

COMMODITY:

TUNGSTEN
SILICON QUARTZ
FELDSPAR POTASSIUM
GEMSTONE GARNET
GEMSTONE TOURMALINE
BERYLLIUM BERYL
MICA MUSCOVITE

BIBLIOGRAPHY:

DALE,V.B. TUNGSTEN DEPTS OF GILA, YAVAPAI &
MOHAVE CTYS USBM IC 8078 1961 P 61
BLM STATE OFFICE AQUARIUS PLANNING DISTRICT
STEP 3
ADMMR FILES USAEC PRELIM RECON RPT PB 172-490
YAVAPAI COUNTY P 50.
ADMMR HEW HOPE FILE

MUS #106C

RUSSEL TUNGSTEN (GOODLUCK)

YAVAPAI COUNTY

No information on this property.

Mark Gemmill
May 27, 1957

Russel Tungsten (Goodluck)

T. 13 N., R. 10 W.

Yavapai County

reference: Arizona Dept. of Mineral Resources
Russel Tungsten (Goodluck) (file)

minerals: scheelite

present owner:

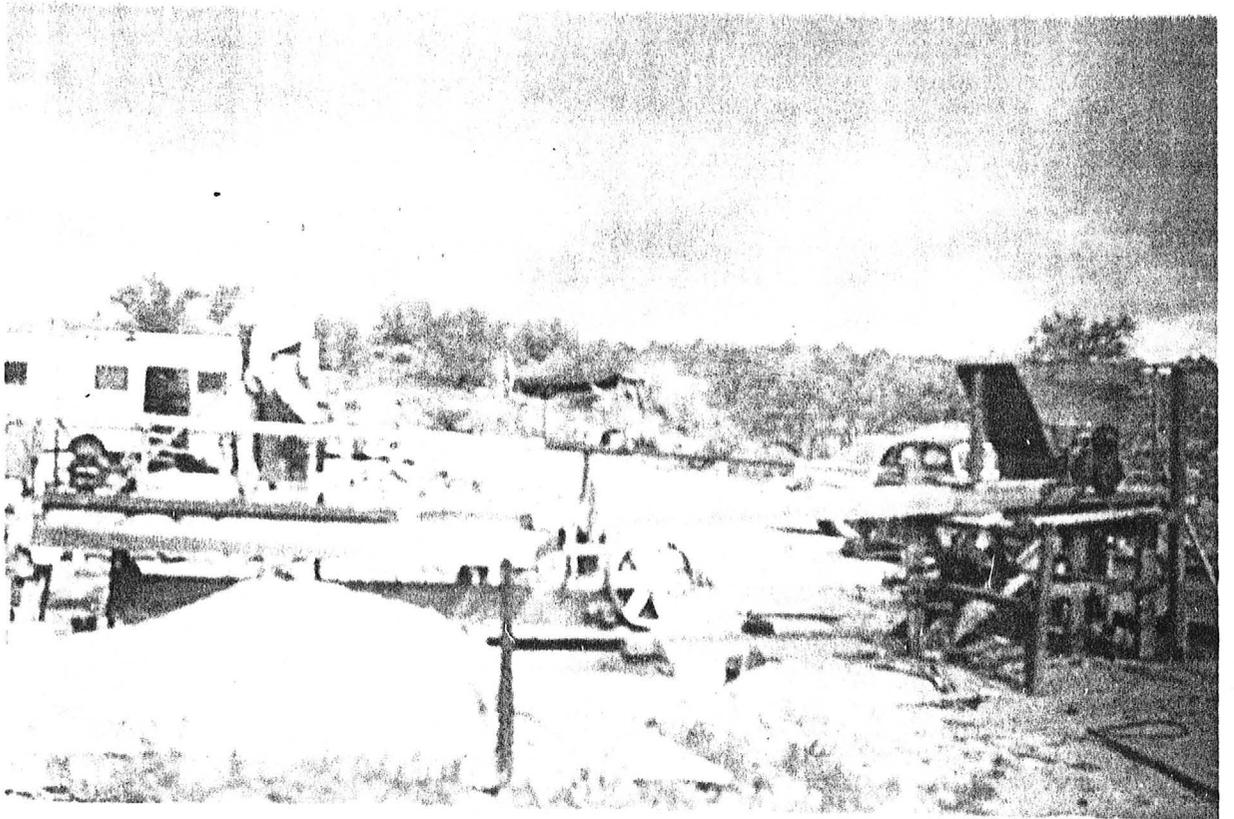
history of the mine:

in 1952 the property was held by location by J. L. Russel of Wickenburg. The property was leased to Merrill and Hill who did some development work but they needed additional financial help. By 1957 there was no further information on this property.

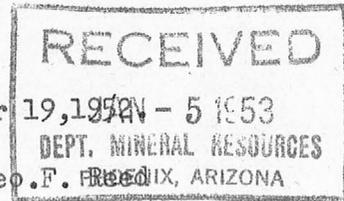
geology of the area:

in the area of the mine granite and tuffite are in contact. The tuffite contains some scheelite which runs from a fraction of a percent to several percent WO_3 .

the property consists of 9 unpatented claims



DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
FIELD ENGINEERS REPORT



Mine Russel (Goodluck) Tungsten

Date December 19, 1953 - 5 1953

District Greenwood

Engineer Geo. F. Reed

Subject: General Description and Present Status

Location:

This property is located on highway 93 South-East of Kingman about 8 1/4 miles and is about 6 miles North of the Bagdad Road. The lessees have a pilot table for ore concentrating at the Bagdad Road on the East Side of Highway 93. The principle workings are just West of 93 and this is where Mr. Russel lives. Highway 93 is a good graded road which will eventually be paved. It is well maintained from the turn-off on the pavement just West of Congress Junction.

Ownership:

The nine unpatented claims, called Goodluck #1 to #9, are held by location by J.L. Russel, Gen'l Delivery, Wickenburg, Ariz. The claims are leased to Merrill and Hill who have their camp at the Bagdad road on highway 93. The claims are located in Yavapai County.

Geology and Mineralogy:

The mine lies in some fairly rugged hills along the contact between granite and ~~lign~~ metamorphic rock (Tactite) derived from sediments which graded from shale to muddy limestone. This Tactite band crosses highway 93 and contains Scheelite as the Tungsten mineral. Evidently there is some Scheelite scattered over a wide area, but it would be necessary to examine the property at night with a "Tungsten Lamp" and follow this up with sampling, etc., to determine where there are areas of ore. The specimens picked out by Mr. Russel in daylight showed nice white scheelite in fairly coarse crystals under the lamp. Some of them would run from a fraction of a percent WO₃ to possibly several percent. However, several specimens picked up by me on an earlier visit and obtained from surface pits reputed to be in ore, showed very sparse scheelite. Some of the better ore is a mixture of quartz, garnet and epidote, with grains of scheelite 1/16 to 1/4 inch in diameter. In nearby areas other claim groups, Mr. Russel says he has other showings which sound interesting. It appears that the area warrants examination by anyone interested in developing a raw scheelite prospect.

Development and Present Status:

Merrill & Hill have a small set of rolls and jaw crusher at the mine and a pilot table 6 miles away as mentioned above. They are looking for financial help. Workings on the claims consist mostly of open cuts and one 40 foot shaft. The bands of mineralization are nearly vertical in these workings.

Water & Power:

There is some water in a well on the property, but evidently this is not sufficient for milling. This is evidenced by location of pilot tables 6 miles South at the Bagdad Road. It is possible that water might be found closer to the mine. The nearest possible power is probably the Bagdad Power Line which is at least several miles away. The exact distance is not known.

Conclusion:

The area shows widespread scheelite mineralization and warrants prospecting. Some Beryl occurs on the claims in pegmatite dikes.

George F. Reed

C O R I
DEPARTMENT OF MINERAL RESOURC.
State of Arizona
Field Engineers Report

13 N-10W

Mine - Russel (Goodluck) Tungsten

Date - December 19, 1952

District - Greenwood 13 N-10W

Engineer - Geo. F. Reed

Subject : General Description and Present Status

Location :

This property is located on highway 93 south-east of Kingman about 8 1/2 miles and is about 6 miles north of the Bagdad Road. The lessees have a pilot table for ore concentrating at the Bagdad Road on the East side of Highway 93. The principle workings are just west of 93 and this is where Mr. Russel lives. Highway 93 is a good graded road which will eventually be paved. It is well maintained from the turn-off on the pavement just west of Congress Junction.

Ownership:

The nine unpatented claims, called Goodluck #1 to #9, are held by location by J. L. Russel, Gen'l Delivery, Wickenburg, Ariz. The claims are leased to Merrill and Hill who have their camp at the Bagdad road on highway 93. The claims are located in Yavapai County.

Geology and Mineralogy:

The mine lies in some fairly rugged hills along the contact between granite and metamorphic rock (Tactite) derived from sediments which graded from shale to muddy limestone. This Tactite band crosses highway 93 and contains Scheelite as the Tungsten mineral. Evidently there is some Scheelite scattered over a wide area, but it would be necessary to examine the property at night with a "Tungsten Lamp" and follow this up with sampling, etc., to determine where there are areas of ore. The specimens picked out by Mr. Russel in daylight showed nice white scheelite in fairly coarse crystals under the lamp. Some of them would run from a fraction of a percent WO₃ to possibly several percent. However, several specimens picked up by me on an earlier visit and obtained from surface pits reputed to be in ore, showed very sparse scheelite. Some of the better ore is a mixture of quartz, garnet and epidote, with grains of scheelite 1/16 to 1/4 inch in diameter. In nearby areas on other claim groups, Mr. Russel says he has other showings which sound interesting. It appears that the area warrants examination by anyone interested in developing a raw scheelite prospect.

Development and Present Status:

Merrill & Hill have a small set of rolls and jaw crusher at the mine and a pilot table 6 miles away as mentioned above. They are looking for financial help. Workings on the claims consist mostly of open cuts and one 40 foot shaft. The bands of mineralization are nearly vertical in these workings.

Water & Power :

There is some water in a well on the property, but evidently this is not sufficient for milling. This is evidenced by location of pilot tables 6 miles south at the Bagdad Road. It is possible that water might be found closer to the mine. The nearest possible power is probably the Bagdad Power Line which is at least several miles away. The exact distance is not known.

Conclusion:

The area shows widespread scheelite mineralization and warrants prospecting. Some Beryl occurs on the claims in pegmatite dikes.

George F. Reed