



CONTACT INFORMATION

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08/18/88

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES FILE DATA

PRIMARY NAME: DUNGAN TUNGSTEN

ALTERNATE NAMES:

SIDE LINE CLAIM
LOST MINE
MADRILL & LEAVIS

MOHAVE COUNTY MILS NUMBER: 437A

LOCATION: TOWNSHIP 14 N RANGE 12 W SECTION 29 QUARTER SW
LATITUDE: N 34DEG 31MIN 21SEC LONGITUDE: W 113DEG 31MIN 58SEC
TOPO MAP NAME: GREENWOOD PEAK - 7.5 MIN

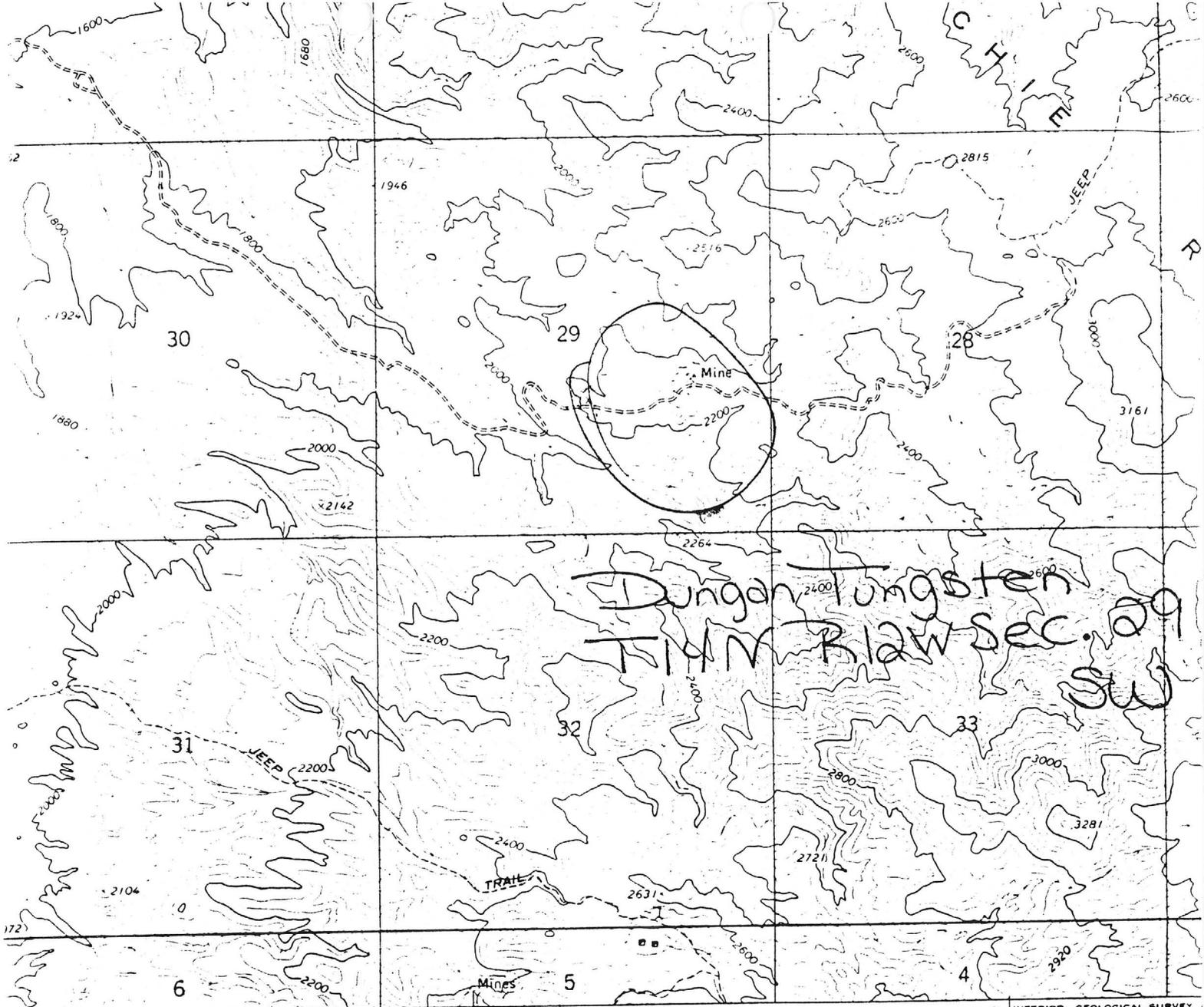
CURRENT STATUS: PAST PRODUCER

COMMODITY:

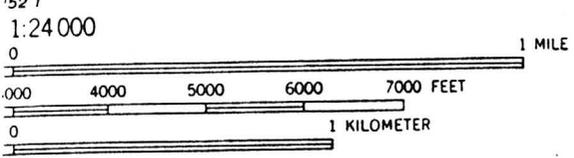
TUNGSTEN
URANIUM
COLUMBIUM COLUMBITE
GOLD LODE
SILVER

BIBLIOGRAPHY:

ADMMR DUNGAN TUNGSTEN FILE
ADMMR MOHAVE CUSTOM MILL PROJECT
AEC PRELIM. RECONN. RPT. 172-485, P. 3
DALE, V.B. "TUNGSTEN DPSTS OF GILA, YAVAPAI,
MOHAVE CTY, AZ" USBM IC 8078, P 65-66, 1961
WILSON, E.D. TUNGSTEN DEPTS OF AZ AZMB BULL
140, P. 19, 1941



PEAK 1:62 500) R. 12 W. 266 32'30" 267 268 INTERIOR-GEOLOGICAL SURVEY 269



VERTICAL SCALE 40 FEET
 HORIZONTAL SCALE 20-FOOT CONTOURS
 MEAN SEA LEVEL



ROAD CLASSIFICATION
 Heavy-duty ———
 Medium-duty ———
 U.S.

GREENWOOD
 N343

NATIONAL MAP ACCURACY STANDARDS
 FEDERAL GEOLOGICAL SURVEY, WASHINGTON, D. C. 20242
 FOR MORE INFORMATION AND SYMBOLS IS AVAILABLE ON REQUEST

Greenwood Peak 7.5'

Name of Mine or Prospect:	Township	Range	Section	Priority
Lost Mine Group	14L	12W	29 c	B
Principal Minerals:	1:250,000 Quad	7.5' - 15' Quad		
Wolframite, Scheelite	Prescott	Greenwood Peak		
Associated Minerals:	District	Principal Product		
Quartz, Chalcocite	Artillery Mtns.	Tungsten		
Type of Operation:	County	State	Type of Deposit	
Surface; Open Pit, Underground	Mohave	Ar.	Vein	

Ownership or Controlling Interest:
J.H. Dungan (1943)²

Access: From the intersection of U.S. 93 and Signal Road, proceed south on Signal Road for 6.5 miles. Turn left on unimproved road for 3.5 miles to mine. Mine is shown (unnamed) on topographic quadrangle.

Structural Control or Geological Association:

"The prevailing rocks are granite, gneiss, aplite and pegmatite overlain in places by Tertiary volcanic rocks. On these claims a glossy quartz vein one to one and one half feet wide strikes S83°W and dips 60°N and is traceable intermittently for a length of some 600 feet. Locally, at least it strikes and dips conformably with the gneiss and has been offset minor amounts by faulting. The vein contains irregular disseminations and bunches of Wolframite and straw colored scheelite; together with sparse fine grained chalcopyrite. The wall rock shows strong sericitic alteration."²

Age of Mineralization:

Production History

Discovered 1917

Geochemical Analyses

Assay (1944) ¹	Width (feet)	WO ₃ %
4201	1.5	0.01
4355	1.2	1.12
4202	1.0	1.38
4354	1.5	7.88
4203	1.0	0.6
4204	1.5	1.59
4353	2.1	-0-
4352	1.3	-0-
4205	2.5	4.23
4356	1.3	.24
4367	--	.17
4206	--	2.43
4351	1.3	-0-

References

- 1) CETA map file, Rack #1, claim map.
- 2) Dale (1961) p. 65-66.

May 27, 1957

DUNGAN TUNGSTEN MINE

MOHAVE COUNTY
GREENWOOD DIST.

This property idle.

see: LOST MINE USBM I.C. #8078, p. 65

MARK GEMMILL

Dungan Tungsten Mine
sec. 29, T. 14 N., R. 12 W.
Mohave County

reference. Arizona Dept. of Mineral Resources
Dungan Tungsten Mine Mohave County (file)

minerals: tungsten, wolframite, scheelite,
hubnerite, columbite.

present owner:

history of the area:

the property was first discovered in 1917 by Charles Lucero. He leased the property to Jimmy Walker and Associates who extracted and marketed considerable ore during WWI. The ore supposedly assayed 40 to 60% WO_3 . Later the property belonged to the Leivas family. Some of the property was sold to Lane in 1943. Lane sold the property to J. H. Dungan and Associates in 1943. In 1944 they began developing the property. A one ton hand picked tungsten ore shipment was made to Tucson in 1944. The ore assayed 4.56% WO_3 (\$123.12/ton). The property became idle in 1945 due to lack of funding.

geology:

Country rock consists of Precambrian granite-gneiss complex. A mineralized fault zone crosses from E-W. Tungsten ore bodies are found in this zone.

assay (1943)

WO_3 31.85% Al_2O_3 15.20%

NAME OF MINE: DUNGAN

COUNTY: MOHAVE
DISTRICT: GREENWOOD
METALS: WO3

OPERATOR AND ADDRESS:

MINE STATUS

DATE:
5/1/44

J. H. Dungan, Box 522, King-
man

DATE:

5/1/44

Developing

1/45

Closed

2/45

Contract Settlement Claim

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
FIELD ENGINEERS REPORT

Mine DUNGAN TUNGSTEN MINE

Date January 6, 1944

District Greenwood, Mohave Co., Arizona.

Engineer Elgin B. Holt

Subject: REPORT

OWNERS: J. H. Dungan, et al, Box 522, Kingman, Arizona

METALS: Tungsten: Wolframite and Scheelite.

LOCATION:

This property is situated in the Greenwood Mining District about 75 miles southeasterly from Kingman, Arizona, and around two miles southeasterly from the junction of Burro Creek with the Sandy River. The nearest railroad station to property is Yucca, 51 miles north-west of the mine. A county maintained dirt road leads from Yucca to the Leivas Ranch, via Signal; the said ranch being located on the Sandy River. Thence a narrow mountain road 2.3 miles in length leads on to the property. Owners have applied for access road funds with which to improve the said 2.3 miles of road, as well as to construct an additional road about two miles in length in order to avoid two fords on the Sandy River. An engineer representing the U. S. Bureau of Mines recently visited the property for the purpose of passing on the feasibility of the access road project mentioned.

AREA:

The holdings of Dungan and Associates, in this area, consist of 640 acres, described as all of Section 29, Township 14 North, Range 12 West, G. & S. R. B. & M. Forty acres of this Section, or the NW $\frac{1}{4}$ of the SE $\frac{1}{4}$ thereof, is Public Domain, and is covered by Lost Mine No. 2 and the East Side Line claims. However, owners have filed amended location notices covering this same ground and changing the names of said claims to D & A claims 1, 2 & 3. The balance of said Section 29, or 600 acres of mineral ground, is leased from the Santa Fe Pacific Railroad Company by J. H. Dungan.

HISTORICAL:

Property was discovered by Charles Lucero in 1917 and later on was leased by him to Jimmy Walker and associates, who extracted and marketed considerable ore during World War I, assaying, per legend, from 40 to 60% WO₃.

The property afterwards passed into the hands of the Leivas family; and in June, 1943, an agreement was entered into by and between the owners, Mrs. Jesus Leivas, Tony Leivas and Angel Madril, and Joe G. Lane and associates whereby the said owners agreed to sell 2 claims, covering the said 40 acres of Public Domain on said Section 29, to the said Lane, et al, in the sum of \$6,000, one thousand dollars in cash and the balance in royalties from ore shipments.

In October, 1943, all of the interests of Joe G. Lane, et al, were taken over by J. H. Dungan and associates, who are now developing the property.

EXAMINATION:

I visited this property during the latter part of 1942 and again on December 30, 1943; the latter time in company with J. H. Dungan and associates. On the last visit, I made a Brunton compass survey of the main workings of property, from which the attached maps were made. However, I did not take any samples, hence this report is merely a physical description of this property.

GEOLOGY - HOW TUNGSTEN ORE OCCURS:

The country rock within the confines of property consists of pre-Cambrian granite-gneiss complex, which has been greatly disturbed and is crossed from an East to West direction by a mineralized fault zone in which the tungsten ore bodies are found outcropping.

ORE SHOOTS:

The two principal shoots of tungsten ore found on property are described as follows: Within the 40 acres of Public Domain mentioned, and locally known as Lost Mine No. 2, is an outcropping of tungsten ore on which a 15-foot shaft has been sunk; from the bottom of which a drift has been run 33 feet east along the so-called vein, or fault zone. This drift exposes a pay-streak of tungsten ore around 15 to 24 inches in width, but the brecciated material adjacent to this pay-streak also carries tungsten, which I verified by the Mineral Light and also by the fact that I found pieces of Wolframite in the vein gangue which I would say should assay above 60% WO₃. Present owners have extracted from these workings around one ton of hand-picked ore which they are arranging to ship to Fernstrom & Company, Tucson, Arizona.

The other ore shoot is located on the ground known as Lost Mine No. 1, situated in the NE $\frac{1}{4}$ of the SW $\frac{1}{4}$ of said Section 29; hence on Santa Fe leased ground. This shoot of ore is quite similar to the first shoot mentioned and is developed by an open cut along the vein, or ore zone, about 40 feet in length, in the bottom of which a prospect hole on "vein" has been sunk to a depth of 8 feet. I was informed that most of the tungsten ore shipped in World War I came out of these workings. Here on my first visit I picked up pieces of clean Wolframite weighing from one to five ounces each. The "pay-streak" in these workings is from 3 to 4 feet wide, with tungsten ore also found in brecciated material adjacent thereto.

I am of the opinion that deeper work in both of the said ore shoots will result in the uncovering of important reserves of tungsten ore of milling grade; ore that should run in quantity from one to two per cent WO₃.

CROSS-CUT TUNNEL:

At the time of my last visit, present owners were driving a cross-cut tunnel in order to intersect the first ore shoot mentioned within Lost Mine No. 2 ground. At that time this tunnel had reached a point 140 feet from its portal. It will be necessary to drive this cross-cut tunnel around 422 feet further in order to pick up the ore shoot mentioned; but in doing so, it is possible other tungsten-bearing fractures may be found. (See map No. 1).

PROPOSED WORK:

Inasmuch as Dungan and associates are now drawing up an application to RFC for a \$20,000 development loan, to be expended upon this mine, I have recommended to them that they temporarily at least suspend the driving of said cross-cut tunnel, and, in the event the loan is granted, that they carry out the following work directly on the two ore shoots described:

Sink Shaft No. 1, which is now 15 feet deep and located on what is known as "Lost Mine No. 2", on incline of vein 100 feet deeper; said shaft to be 1 $\frac{1}{2}$ -compartment in size and timbered. (See Map No. 1). At the bottom of said shaft, one drift to be run easterly on "vein" 100 feet, and another drift westerly on "vein" also 100 feet, or a total of 200 feet of drifting.

Sink Shaft No. 2, located at open cut workings on "Lost Mine No. 1" (Santa Fe Lease), on

incline of vein 100 feet deep; said shaft to be $1\frac{1}{2}$ -compartment in size and timbered. (See Map No. 2).

At bottom of Shaft No. 2, one drift to be run easterly on "vein" 100 feet, and another drift westerly on "vein" also 100 feet, or a total of 200 feet of drifting on the 100-foot level.

MILL:

After the above work has been completed, and provided this work should result in uncovering a goodly supply of milling ore, then and in such event, I would further recommend the construction directly at mine of a gravity concentration mill, the capacity of which would all depend on the amount and grade of ore that may be developed.

WATER:

Ample water for milling may be secured by sinking a well adjacent to Burro Creek distant less than two miles from property, and by installing a pumping plant and pipe line.

CONCLUSION:

While the Dungan Tungsten Mine is now merely a prospect, its general characteristics are most pleasing; and I believe in the event the above work is carried out in workmanlike manner that a considerable supply of underground ore of milling grade will be exposed thereby.

Elgin B. Holt
Field Engineer

LABORATORY REPORT
SMITH-EMERY COMPANY
 CHEMICAL ENGINEERS AND CHEMISTS
 METALLURGICAL AND TESTING ENGINEERS
 920 SANTEE STREET
 LOS ANGELES

LABORATORY

15

No. 238339-40

Date August 20, 1943

Sample Ore

Received 8-19-43

Marked See below

Submitted by W. L. Cummings,
 121 East Alhambra Road.,
 Alhambra, California.

REPORT OF DETERMINATIONSSample No. 1:

Tungsten Trioxide (WO_3) ----- 31.85%

Sample No. 2:

Aluminum Oxide (Al_2O_3) ----- 15.20%

Respectfully submitted,

Smith-Emery Co.
CHEMISTS AND ENGINEERS
 500

Copy.

DR. PAUL H. M.-P. BRINTON
CONSULTING AND RESEARCH CHEMIST

TELEPHONE: SYCAMORE 3-4335
CABLES: BRINLAB, PASADENA

1064 LINDA VISTA WAY
PASADENA, CALIFORNIA

REPORT OF ANALYSIS

October 16, 1943

SAMPLE FROM **Mr. W. I. Cummings**
121 East Alhambra Road, Alhambra, California.

SAMPLE MARKED "Columbite"

Qualitative Spectrographic Analysis

Major Constituents:

Tungsten, Manganese.

Minor Constituents:

}	Iron	Rough Approximation *		1.0 %
	Columbium	"	"	1.0 %
}	Calcium	"	"	0.5 %
	Molybdenum	"	"	0.1 %
	Silicon	"	"	.05 %
	Aluminum	"	"	.05 %
	Bismuth	"	"	.05 %
	Magnesium	"	"	.01 %
	Lead	"	"	.001 %
	Titanium	"	"	.001 %
	Chromium	"	"	.001 %

* The "Rough Approximation" is believed to be accurate to about the nearest power of ten; that is, Molybdenum is thought to be closer to 0.1% than to either 1.0% or 0.01%.

The mineral is probably HUBNERITE. The presence of columbium suggests that there may be columbite mixed with the sample, possibly lying close to it.

B/s

2 = 10
9

Paul H. M.-P. Brinton

Paul H. M.-P. Brinton

560
5040

DR. PAUL H. M.-P. BRINTON
CONSULTING AND RESEARCH CHEMIST

TELEPHONE: SYCAMORE 3-4335
CABLES: BRINLAB, PASADENA

1064 LINDA VISTA WAY
PASADENA, CALIFORNIA

REPORT OF ANALYSIS

August 6, 1943

SAMPLE FROM Mr. W. L. Cummings
124 Fast Alhambra Road, Alhambra, California

SAMPLE MARKED No mark. Said to be a grab sample from a box.

Qualitative Spectrographic Analysis

Major Constituents:

Iron, Calcium, Silicon, Aluminum, Manganese.

Important Constituent:

Tungsten

Minor Constituents:

	Rough Approximation *		
Magnesium	"	"	1.0 %
	Titanium	"	"
Potassium	"	"	0.1 %
Copper	"	"	"
Sodium	"	"	0.05 %
Strontium	"	"	0.01 %
Vanadium	"	"	0.005 %
Molybdenum	"	"	0.001 %
Boron	"	"	"

* The "Rough Approximation" is thought to be accurate to about the nearest power of 10.- that is, Magnesium is believed to be closer to 1.0% than to either 0.1% or 10.0%.

Clearly, this deposit deserves investigation as a possible source of tungsten.

Paul H. M.-P. Brinton

B:S

Charges \$7.00 have been paid.

January 9, 1944

MEMORANDUM

TO: J. S. Coupal

FROM: Elgin B. Holt

Subject: Dungan Tungsten Mine Report

I am herewith enclosing my report and two maps concerning the Dungan Tungsten mine, located near the mouth of Burro Creek in Mohave County.

This property is owned by Mr. J. H. Dungan, and associates, of Kingman. I visited property on December 30, 1943, inasmuch as owners are now applying for an RFC development loan in the sum of \$20,000.

I have put in extra work on my reports and maps about this mine, inasmuch as property is of more than usual interest. It is not a new development project as work has been proceeding on this mine since last Summer.

Mr. Dungan is leaving here in a few days for Tucson with around one ton of hand picked tungsten ore from property, to dispose of the same to Farnstrom & Company, and will include returns from this shipment in his application to RFC. He will call at your office about next Thursday, January 13th. If possible, kindly have copies of my report made, as well as photostats of the two maps ready at the time Dungan arrives there, so that he may pick the same up and include them in his application to RFC. He will want at least two copies of each map and two copies of my report. Also, he will pay the cost of getting out the photostats of the said maps.

Thanks.

/s/ Elgin B. Holt

Elgin B. Holt

c.c. - J. H. Dungan

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
FIELD ENGINEERS REPORT

Mine **DUNGAN TUNGSTEN MINE**

Date **January 6, 1944**

District **Greenwood, Mohave Co., Arizona.**

Engineer **Elgin B. Holt**

Subject: **REPORT**

OWNERS: J. H. Dungan, et al, Box 522, Kingman, Arizona

METALS: Tungsten: Wolframite and Scheelite.

LOCATION:

This property is situated in the Greenwood Mining District about 75 miles southeasterly from Kingman, Arizona, and around two miles southeasterly from the junction of Burro Creek with the Sandy River. The nearest railroad station to property is Yucca, 51 miles northwest of the mine. A county maintained dirt road leads from Yucca to the Leivas Ranch, via Signal; the said ranch being located on the Sandy River. Thence a narrow mountain road 2.3 miles in length leads on to the property. Owners have applied for access road funds with which to improve the said 2.3 miles of road, as well as to construct an additional road about two miles in length in order to avoid two fords on the Sandy River. An engineer representing the U. S. Bureau of Mines recently visited the property for the purpose of passing on the feasibility of the access road project mentioned.

AREA:

The holdings of Dungan and Associates, in this area, consist of 640 acres, described as all of Section 29, Township 14 North, Range 12 West, G. & S. R. B. & M. Forty acres of this Section, or the NW $\frac{1}{4}$ of the SE $\frac{1}{4}$ thereof, is Public Domain, and is covered by Lost Mine No. 2 and the East Side Line claims. However, owners have filed amended location notices covering this same ground and changing the names of said claims to D & A claims 1, 2 & 3. The balance of said Section 29, or 600 acres of mineral ground, is leased from the Santa Fe Pacific Railroad Company by J. H. Dungan.

HISTORICAL:

Property was discovered by Charles Lucero in 1917 and later on was leased by him to Jimmy Walker and associates, who extracted and marketed considerable ore during World War I, assaying, per legend, from 40 to 60% WO₃.

The property afterwards passed into the hands of the Leivas family; and in June, 1943, an agreement was entered into by and between the owners, Mrs. Jesus Leivas, Tony Leivas and Angel Madril, and Joe G. Lane and associates whereby the said owners agreed to sell 2 claims, covering the said 40 acres of Public Domain on said Section 29, to the said Lane, et al, in the sum of \$6,000, one thousand dollars in cash and the balance in royalties from ore shipments.

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EXAMINATION:

I visited this property during the latter part of 1942 and again on December 30, 1943; the latter time in company with J. H. Dungan and associates. On the last visit, I made a Brunton compass survey of the main workings of property, from which the attached maps were made. However, I did not take any samples, hence this report is merely a physical description of this property.

GEOLOGY - HOW TUNGSTEN ORE OCCURS:

The country rock within the confines of property consists of pre-Cambrian granite-gneiss complex, which has been greatly disturbed and is crossed from an East to West direction by a mineralized fault zone in which the tungsten ore bodies are found outcropping.

ORE SHOOTS:

The two principal shoots of tungsten ore found on property are described as follows: Within the 40 acres of Public Domain mentioned, and locally known as Lost Mine No. 2, is an outcropping of tungsten ore on which a 15-foot shaft has been sunk; from the bottom of which a drift has been run 33 feet east along the so-called vein, or fault zone. This drift exposes a pay-streak of tungsten ore around 15 to 24 inches in width, but the brecciated material adjacent to this pay-streak also carries tungsten, which I verified by the Mineral Light and also by the fact that I found pieces of Wolframite in the vein gangue which I would say should assay above 60% WO₃. Present owners have extracted from these workings around one ton of hand-picked ore which they are arranging to ship to Fernstrom & Company, Tucson, Arizona.

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At the time of my last visit, present owners were driving a cross-cut tunnel in order to intersect the first ore shoot mentioned within Lost Mine No. 2 ground. At that time this tunnel had reached a point 140 feet from its portal. It will be necessary to drive this cross-cut tunnel around 422 feet further in order to pick up the ore shoot mentioned; but in doing so, it is possible other tungsten-bearing fractures may be found. (See map No. 1).

PROPOSED WORK:

Inasmuch as Dungan and associates are now drawing up an application to RFC for a \$20,000 development loan, to be expended upon this mine, I have recommended to them that they temporarily at least suspend the driving of said cross-cut tunnel, and, in the event the loan is granted, that they carry out the following work directly on the two ore shoots described:

Sink Shaft No. 1, which is now 15 feet deep and located on what is known as "Lost Mine No. 2", on incline of vein 100 feet deeper; said shaft to be 1 $\frac{1}{2}$ -compartment in size and timbered. (See Map No. 1). At the bottom of said shaft, one drift to be run easterly on "vein" 100 feet, and another drift westerly on "vein" also 100 feet, or a total of 200 feet of drifting.

Sink Shaft No. 2, located at open cut workings on "Lost Mine No. 1" (Santa Fe Lease), on

incline of vein 100 feet deep; said shaft to be 1½-compartment in size and timbered. (See Map No. 2).

At bottom of Shaft No. 2, one drift to be run easterly on "vein" 100 feet, and another drift westerly on "vein" also 100 feet, or a total of 200 feet of drifting on the 100-foot level.

MILL:

After the above work has been completed, and provided this work should result in uncovering a goodly supply of milling ore, then and in such event, I would further recommend the construction directly at mine of a gravity concentration mill, the capacity of which would all depend on the amount and grade of ore that may be developed.

WATER:

Ample water for milling may be secured by sinking a well adjacent to Burro Creek distant less than two miles from property, and by installing a pumping plant and pipe line.

CONCLUSION:

While the Dungan Tungsten Mine is now merely a prospect, its general characteristics are most pleasing; and I believe in the event the above work is carried out in workmanlike manner that a considerable supply of underground ore of milling grade will be exposed thereby.

Elgin B. Holt
Field Engineer

January 9, 1944

MEMORANDUM

TO: J. S. Coupal

FROM: Elgin B. Holt

Subject: Dungan Tungsten Mine Report

I am herewith enclosing my report and two maps concerning the Dungan Tungsten mine, located near the mouth of Burro Creek in Mohave County.

This property is owned by Mr. J. H. Dungan, and associates, of Kingman. I visited property on December 30, 1943, inasmuch as owners are now applying for an RFC development loan in the sum of \$20,000.

I have put in extra work on my reports and maps about this mine, inasmuch as property is of more than usual interest. It is not a new development project as work has been proceeding on this mine since last Summer.

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Thanks.

/s/ Elgin B. Holt

Elgin B. Holt

c.c. - J. H. Dungan

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
FIELD ENGINEERS REPORT

Mine DUNGAN TUNGSTEN MINE

Date January 6, 1944

District Greenwood, Mohave Co., Arizona.

Engineer Elgin B. Holt

Subject: REPORT

OWNERS: J. H. Dungan, et al, Box 522, Kingman, Arizona

METALS: Tungsten: Wolframite and Scheelite.

LOCATION:

This property is situated in the Greenwood Mining District about 75 miles southeasterly from Kingman, Arizona, and around two miles southeasterly from the junction of Burro Creek with the Sandy River. The nearest railroad station to property is Yucca, 51 miles north-west of the mine. A county maintained dirt road leads from Yucca to the Leivas Ranch, via Signal; the said ranch being located on the Sandy River. Thence a narrow mountain road 2.3 miles in length leads on to the property. Owners have applied for access road funds with which to improve the said 2.3 miles of road, as well as to construct an additional road about two miles in length in order to avoid two fords on the Sandy River. An engineer representing the U. S. Bureau of Mines recently visited the property for the purpose of passing on the feasibility of the access road project mentioned.

AREA:

The holdings of Dungan and Associates, in this area, consist of 640 acres, described as all of Section 29, Township 14 North, Range 12 West, G. & S. R. B. & M. Forty acres of this Section, or the NW $\frac{1}{4}$ of the SE $\frac{1}{4}$ thereof, is Public Domain, and is covered by Lost Mine No. 2 and the East Side Line claims. However, owners have filed amended location notices covering this same ground and changing the names of said claims to D & A claims 1, 2 & 3. The balance of said Section 29, or 600 acres of mineral ground, is leased from the Santa Fe Pacific Railroad Company by J. H. Dungan.

HISTORICAL:

Property was discovered by Charles Lussro in 1917 and later on was leased by him to Jimmy Walker and associates, who extracted and marketed considerable ore during World War I, assaying, per legend, from 40 to 60% WO₃.

The property afterwards passed into the hands of the Leivas family; and in June, 1943, an agreement was entered into by and between the owners, Mrs. Jesus Leivas, Tony Leivas and Angel Madril, and Joe G. Lane and associates whereby the said owners agreed to sell 2 claims, covering the said 40 acres of Public Domain on said Section 29, to the said Lane, et al, in the sum of \$6,000, one thousand dollars in cash and the balance in royalties from ore shipments.

In October, 1943, all of the interests of Joe G. Lane, et al, were taken over by J. H. Dungan and associates, who are now developing the property.

EXAMINATION:

I visited this property during the latter part of 1942 and again on December 30, 1943; the latter time in company with J. H. Dungan and associates. On the last visit, I made a Brunton compass survey of the main workings of property, from which the attached maps were made. However, I did not take any samples, hence this report is merely a physical description of this property.

GEOLOGY - HOW TUNGSTEN ORE OCCURS:

The country rock within the confines of property consists of pre-Cambrian granite-gneiss complex, which has been greatly disturbed and is crossed from an East to West direction by a mineralized fault zone in which the tungsten ore bodies are found outcropping.

ORE SHOOTS:

The two principal shoots of tungsten ore found on property are described as follows: Within the 40 acres of Public Domain mentioned, and locally known as Lost Mine No. 2, is an outcropping of tungsten ore on which a 15-foot shaft has been sunk; from the bottom of which a drift has been run 33 feet east along the so-called vein, or fault zone. This drift exposes a pay-streak of tungsten ore around 15 to 24 inches in width, but the brecciated material adjacent to this pay-streak also carries tungsten, which I verified by the Mineral Light and also by the fact that I found pieces of Wolframite in the vein gangue which I would say should assay above 60% WO₃. Present owners have extracted from these workings around one ton of hand-picked ore which they are arranging to ship to Fernstrom & Company, Tucson, Arizona.

The other ore shoot is located on the ground known as Lost Mine No. 1, situated in the NE $\frac{1}{4}$ of the SW $\frac{1}{4}$ of said Section 29; hence on Santa Fe leased ground. This shoot of ore is quite similar to the first shoot mentioned and is developed by an open cut along the vein, or ore zone, about 40 feet in length, in the bottom of which a prospect hole on "vein" has been sunk to a depth of 8 feet. I was informed that most of the tungsten ore shipped in World War I came out of these workings. Here on my first visit I picked up pieces of clean Wolframite weighing from one to five ounces each. The "pay-streak" in these workings is from 3 to 4 feet wide, with tungsten ore also found in brecciated material adjacent thereto.

I am of the opinion that deeper work in both of the said ore shoots will result in the uncovering of important reserves of tungsten ore of milling grade; ore that should run in quantity from one to two per cent WO₃.

CROSS-CUT TUNNEL:

At the time of my last visit, present owners were driving a cross-cut tunnel in order to intersect the first ore shoot mentioned within Lost Mine No. 2 ground. At that time this tunnel had reached a point 140 feet from its portal. It will be necessary to drive this cross-cut tunnel around 422 feet further in order to pick up the ore shoot mentioned; but in doing so, it is possible other tungsten-bearing fractures may be found. (See map No. 1).

PROPOSED WORK:

Inasmuch as Dungan and associates are now drawing up an application to RFC for a \$20,000 development loan, to be expended upon this mine, I have recommended to them that they temporarily at least suspend the driving of said cross-cut tunnel, and, in the event the loan is granted, that they carry out the following work directly on the two ore shoots described:

Sink Shaft No. 1, which is now 15 feet deep and located on what is known as "Lost Mine No. 2", on incline of vein 100 feet deeper; said shaft to be 1 $\frac{1}{2}$ -compartment in size and timbered. (See Map No. 1). At the bottom of said shaft, one drift to be run easterly on "vein" 100 feet, and another drift westerly on "vein" also 100 feet, or a total of 200 feet of drifting.

Sink Shaft No. 2, located at open cut workings on "Lost Mine No. 1" (Santa Fe Lease), on

incline of vein 100 feet deep; said shaft to be 1½-compartment in size and timbered. (See Map No. 2).

At bottom of Shaft No. 2, one drift to be run easterly on "vein" 100 feet, and another drift westerly on "vein" also 100 feet, or a total of 200 feet of drifting on the 100-foot level.

MILL:

After the above work has been completed, and provided this work should result in uncovering a goodly supply of milling ore, then and in such event, I would further recommend the construction directly at mine of a gravity concentration mill, the capacity of which would all depend on the amount and grade of ore that may be developed.

WATER:

Ample water for milling may be secured by sinking a well adjacent to Burro Creek distant less than two miles from property, and by installing a pumping plant and pipe line.

CONCLUSION:

While the Dungan Tungsten Mine is now merely a prospect, its general characteristics are most pleasing; and I believe in the event the above work is carried out in workmanlike manner that a considerable supply of underground ore of milling grade will be exposed thereby.

Elgin B. Holt
Field Engineer

Nov. 17, 1944

P. O. Box 188,
Kingman, Arizona.

Mr. J. H. Dungan,
Dungan Tungsten Mine,
Box 522, Kingman,
Arizona.

Dear Mr. Dungan:

With reference to our conversation, before I left Kingman, re- your chances to get a cash settlement from our Government due to the cut-back on tungsten which caused you to lose the money you put into the development and equipment of your property, please be advised as follows:

The name and address of the agency now set up in Washington to adjudicate such cases as yours, under the "CONTRACT TERMINATION ACT", is as follows:

Robert H. Hinckley,
Director of the Office of
Contract Settlement,
1266 Federal Reserve Bldg.,
Washington, D. C.

I suggest you have your attorney draw up your claim, giving in detail the amounts you spent, how, when, etc., and address the same to the above agency. When this is done that you forward the same to Mr. Chas. H. Dunning, Director, Department of Mineral Resources, 304 Home Builders Bldg., Phoenix, Arizona, for processing.

When and if you have followed the above instructions, and after your claim has reached our Phoenix Office, I will then go over it and write a covering letter. I can do this in good shape as I have, as you know, already reported on your property. Then, after our Department has so processed your claim it will be forwarded on to Washington. For your information, I will be in our Phoenix Office on November 27, 28 & 29; so if you could have your claim in our office there at that time I could finish it up and send it on its way.

Very sincerely yours,

cc - Chas. H. Dunning

Elgin B. Holt,
Field Engineer.

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
FIELD ENGINEERS REPORT

Mine DUNGAN TUNGSTEN MINE

Date January 6, 1944

District Greenwood, Mohave Co., Arizona.

Engineer Elgin B. Holt

Subject: REPORT

OWNERS: J. H. Dungan, et al, Box 522, Kingman, Arizona

METALS: Tungsten: Wolframite and Scheelite.

LOCATION:

This property is situated in the Greenwood Mining District about 75 miles southeasterly from Kingman, Arizona, and around two miles southeasterly from the junction of Burro Creek with the Sandy River. The nearest railroad station to property is Yucca, 51 miles north-west of the mine. A county maintained dirt road leads from Yucca to the Leivas Ranch, via Signal; the said ranch being located on the Sandy River. Thence a narrow mountain road 2.3 miles in length leads on to the property. Owners have applied for access road funds with which to improve the said 2.3 miles of road, as well as to construct an additional road about two miles in length in order to avoid two fords on the Sandy River. An engineer representing the U. S. Bureau of Mines recently visited the property for the purpose of passing on the feasibility of the access road project mentioned.

AREA:

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HISTORICAL:

Property was discovered by Charles Lucero in 1917 and later on was leased by him to Jimmy Walker and associates, who extracted and marketed considerable ore during World War I, assaying, per legend, from 40 to 60% WO₃.

The property afterwards passed into the hands of the Leivas family; and in June, 1943, an agreement was entered into by and between the owners, Mrs. Jesus Leivas, Tony Leivas and Angel Madril, and Joe G. Lane and associates whereby the said owners agreed to sell 2 claims, covering the said 40 acres of Public Domain on said Section 29, to the said Lane, et al, in the sum of \$6,000, one thousand dollars in cash and the balance in royalties from ore shipments.

In October, 1943, all of the interests of Joe G. Lane, et al, were taken over by J. H. Dungan and associates, who are now developing the property.

EXAMINATION:

I visited this property during the latter part of 1942 and again on December 30, 1943; the latter time in company with J. H. Dungan and associates. On the last visit, I made a Brunton compass survey of the main workings of property, from which the attached maps were made. However, I did not take any samples, hence this report is merely a physical description of this property.

GEOLOGY - HOW TUNGSTEN ORE OCCURS:

The country rock within the confines of property consists of pre-Cambrian granite-gneiss complex, which has been greatly disturbed and is crossed from an East to West direction by a mineralized fault zone in which the tungsten ore bodies are found outcropping.

ORE SHOOTS:

The two principal shoots of tungsten ore found on property are described as follows: Within the 40 acres of Public Domain mentioned, and locally known as Lost Mine No. 2, is an outcropping of tungsten ore on which a 15-foot shaft has been sunk; from the bottom of which a drift has been run 33 feet east along the so-called vein, or fault zone. This drift exposes a pay-streak of tungsten ore around 15 to 24 inches in width, but the brecciated material adjacent to this pay-streak also carries tungsten, which I verified by the Mineral Light and also by the fact that I found pieces of Wolframite in the vein gangue which I would say should assay above 60% WO₃. Present owners have extracted from these workings around one ton of hand-picked ore which they are arranging to ship to Fernstrom & Company, Tucson, Arizona.

The other ore shoot is located on the ground known as Lost Mine No. 1, situated in the NE $\frac{1}{4}$ of the SW $\frac{1}{4}$ of said Section 29; hence on Santa Fe leased ground. This shoot of ore is quite similar to the first shoot mentioned and is developed by an open cut along the vein, or ore zone, about 40 feet in length, in the bottom of which a prospect hole on "vein" has been sunk to a depth of 8 feet. I was informed that most of the tungsten ore shipped in World War I came out of these workings. Here on my first visit I picked up pieces of clean Wolframite weighing from one to five ounces each. The "pay-streak" in these workings is from 3 to 4 feet wide, with tungsten ore also found in brecciated material adjacent thereto.

I am of the opinion that deeper work in both of the said ore shoots will result in the uncovering of important reserves of tungsten ore of milling grade; ore that should run in quantity from one to two per cent WO₃.

CROSS-CUT TUNNEL:

At the time of my last visit, present owners were driving a cross-cut tunnel in order to intersect the first ore shoot mentioned within Lost Mine No. 2 ground. At that time this tunnel had reached a point 140 feet from its portal. It will be necessary to drive this cross-cut tunnel around 422 feet further in order to pick up the ore shoot mentioned; but in doing so, it is possible other tungsten-bearing fractures may be found. (See map No. 1).

PROPOSED WORK:

Inasmuch as Dungan and associates are now drawing up an application to RFC for a \$20,000 development loan, to be expended upon this mine, I have recommended to them that they temporarily at least suspend the driving of said cross-cut tunnel, and, in the event the loan is granted, that they carry out the following work directly on the two ore shoots described:

Sink Shaft No. 1, which is now 15 feet deep and located on what is known as "Lost Mine No. 2", on incline of vein 100 feet deeper; said shaft to be 1 $\frac{1}{2}$ -compartment in size and timbered. (See Map No. 1). At the bottom of said shaft, one drift to be run easterly on "vein" 100 feet, and another drift westerly on "vein" also 100 feet, or a total of 200 feet of drifting.

Sink Shaft No. 2, located at open cut workings on "Lost Mine No. 1" (Santa Fe Lease), on

incline of vein 100 feet deep; said shaft to be 1½-compartment in size and timbered. (See Map No. 2).

At bottom of Shaft No. 2, one drift to be run easterly on "vein" 100 feet, and another drift westerly on "vein" also 100 feet, or a total of 200 feet of drifting on the 100-foot level.

MILL:

After the above work has been completed, and provided this work should result in uncovering a goodly supply of milling ore, then and in such event, I would further recommend the construction directly at mine of a gravity concentration mill, the capacity of which would all depend on the amount and grade of ore that may be developed.

WATER:

Ample water for milling may be secured by sinking a well adjacent to Burro Creek distant less than two miles from property, and by installing a pumping plant and pipe line.

CONCLUSION:

While the Dungan Tungsten Mine is now merely a prospect, its general characteristics are most pleasing; and I believe in the event the above work is carried out in workmanlike manner that a considerable supply of underground ore of milling grade will be exposed thereby.

Elgin B. Holt
Field Engineer

January 15, 1944

Dr. T. G. Chapman, Director
Arizona Bureau of Mines
University Station
Tucson, Arizona

Dear Tom:

Under separate cover I am sending 2 samples from
J. H. Dungan, Box 522, Kingman, Arizona.

No. 1 sample has been analyzed by Smith-Emery as
follows:

.55% Columbium and Tantalum
.10% Tungsten tri-oxide

Mr. Dungan would like very much to know what the
black mineral is which constitutes the major part of the
sample.

I am also enclosing another sample from the same
mine on which an analysis has been made by Dr. H.M.P. Brenton
which was:

Iron	1.0%
Columbium	1.0%
Molybdenum	.1%
Major Constituent	---Tungsten and Manganese

I would appreciate having these samples returned to me.
The No. 2 sample is being sent so that you and Bob Heimman may
see a sample of the new Columbium specimen from this property.

Very truly yours,

J. S. Coupal
Director

JSC:JES

Dungan Tungsten Mine #1

Analysis by Smith-Emery

— .55% Columbium & Tantalum Oxides
.10% Tungsten Trioxide

J.H. Dungan Box 522 - Kugman -

Dungan Tungsten Mine #2

Analysis by

Dr. Paul H.M.P. Brenton

2 Iron 1.0%

Columbium 1.0

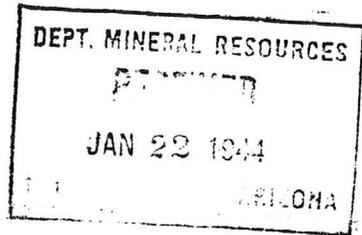
Niobium .1

Major constituent - Tungsten & Manganese

University of Arizona

TUCSON

COLLEGE OF MINES
ARIZONA BUREAU OF MINES



January 21, 1944

Mr. J. S. Coupal, Director
State Department of Mineral Resources
413 Home Builders Building
Phoenix, Arizona

Dear Sam:

I am returning the Dungan samples to you as you have requested. The labels must have been mixed when you sent them down because the sample labeled No. 1 was the high tungsten sample, and No. 2 was just hornblende. A copy of the letter which I wrote to Mr. Dungan is enclosed.

With best regards, I am

Yours very truly,

Robert E. Heineman
Mineralogist

REH/cm
Enc.

University of Arizona

TUCSON

January 21, 1944

COLLEGE OF MINES
ARIZONA BUREAU OF MINES

Mr. J. H. Dungan
Box 522
Kingman, Arizona

Dear Mr. Dungan:

Mr. J. S. Coupal of the State Department of Mineral Resources has forwarded two samples of yours to us for examination (our file number 21236).

According to Mr. Coupal the sample No. 1 contained .55% columbium and tantalum and .10% tungsten trioxide. This analysis was by Smith-Emery. Mr. Coupal also states that Dr. H. M. P. Branton found 1% iron and 1% columbium in sample No. 2. I believe that Mr. Coupal must have mixed his labels on these samples because the samples, as I received them, could not have followed this description.

Sample No. 1, as received, was the high tungsten sample. This sample is wolframite, which is a tungstate of iron and manganese. I believe, however, that there was considerably more than 1% of iron in the sample because when small fragments are roasted, they become quite magnetic, and it would take more than 1% of iron to cause this effect. Manganese and tungsten were high in the specimen.

The other specimen, which was labeled No. 2 as received by us, was principally hornblende, and I believe that is what you wish to know. Hornblende is a silicate of calcium, magnesium, iron, aluminum, etc.

These two samples are being returned to Mr. Coupal.

Yours very truly,

Robert E. Heineman
Mineralogist

REH/cm
cc: Mr. J. S. Coupal

January 9, 1944

MEMORANDUM

TO: J. S. Coupal

FROM: Elgin B. Holt

Subject: Dungan Tungsten Mine Report

I am herewith enclosing my report and two maps concerning the Dungan Tungsten mine, located near the mouth of Burro Creek in Mohave County.

This property is owned by Mr. J. H. Dungan, and associates, of Kingman. I visited property on December 30, 1943, inasmuch as owners are now applying for an RFC development loan in the sum of \$20,000.

I have put in extra work on my reports and maps about this mine, inasmuch as property is of more than usual interest. It is not a new development project as work has been proceeding on this mine since last Summer.

Mr. Dungan is leaving here in a few days for Tucson with around one ton of hand picked tungsten ore from property, to dispose of the same to Fernstrom & Company, and will include returns from this shipment in his application to RFC. He will call at your office about next Thursday, January 13th. If possible, kindly have copies of my report made, as well as photostats of the two maps ready at the time Dungan arrives there, so that he may pick the same up and include them in his application to RFC. He will want at least two copies of each map and two copies of my report. Also, he will pay the cost of getting out the photostats of the said maps.

Thanks.

/s/ Elgin B. Holt

Elgin B. Holt

c.c. - J. H. Dungan

January 13, 1945

Mr. J. H. Dungan
Box 522
Kingman, Arizona

Dear Mr. Dungan:

We have received your claim for a "contract settlement" but no letter with it, and we are not sure whether this is a copy of a claim you have already forwarded to Washington, or whether you expected us to forward it, or whether you sent it for our criticism.

The claim seems very well gotten up but we can see certain weaknesses that it would be advisable to correct. We will write you in more detail about it Monday.

Yours very truly,

Chas. H. Dunning
Director

CHD:LP

January 15, 1945

MEMORANDUM

TO: Chas. H. Dunning
FROM: Elgin B. Holt
SUBJECT: Claim of Dungan Tungsten Mines, J. H. Dungan, Box 522, Kingman, Arizona.

I am herewith enclosing a "claim of Dungan Tungsten Mines" directed to Robert H. Hinckley, Director of the Office of Contract Settlement, 1266 Federal Reserve Building, Washington, D. C.

It will be noted that this claim was drawn up by Lewis L. Wallace, Attorney for claimant, Kingman, Arizona. That the total amount of claim is \$12,223.08 less \$103.12, to-wit: the sum of \$12,119.96, covering monies spent on the Dungan Tungsten Mine, Mohave County, Arizona, by claimant, more or less, between August 7, 1943, and June 30, 1944. During this time mining development work was carried on upon the said property by claimant.

That claimant made due application to the Metals Reserve Company for classification as a "qualified producer" of tungsten and on or about the 12th day of October, 1943, a formal agreement therefor was duly executed, signed and delivered, together with a letter notifying J. H. Dungan of such classification, etc.

On December 30, 1943, I made an examination of this property for claimant, and on January 6, 1944, I wrote a report concerning the same. A copy of said report is herewith attached and made a part of this memorandum.

Your attention is called to the fact that the only production from property during the said time it was being worked by claimant consisted of a shipment made in January, 1944, of 2002 pounds of tungsten ore to E. Fernstrom, in the sum of \$103.12.

The reason of such small production was due to the fact that claimant, during the time said mine was being worked, was engaged in carrying out certain development work fully described in my report and not in the immediate production of ore.

As to such work, at the time of visit by me in October, 1943, claimant was driving a cross-cut tunnel in order to intersect one of the ore shoots of property. At that time this tunnel had reached a point 140 feet from its portal. Dungan recently advised me that later on this tunnel had been continued another 50 feet, making the total length of tunnel driven by applicant 190 feet.

Dungan also advises me that since the time of visit he had also carried out the following work at property:

40 feet of open cut work at mine; also 3.5 miles of new road work between the Leivas Ranch and mine.

For reasons above cited, this claim should be directed to Metals Reserve Company instead of to Hinckley.

I have made no attempt to audit this claim. However, I believe the same to be reasonable and that it should be given due consideration by the proper authorities in Washington, as without question of doubt claimant spent considerable money with the end in view of developing an underground reserve of tungsten ore in the mine mentioned.

/s/ Elgin B. Holt

Field Engineer
Department of Mineral Resources
State of Arizona

CC: Mr. J. H. Dungan

COOP

January 20, 1945

Metals Reserve Company
Subsidiary of the Reconstruction Finance Corporation
811 Vermont Avenue
Washington, D. C.

CLAIM OF DUNGAN TUNGSTEN MINES

Gentlemen:

The undersigned, J. H. Dungan, respectfully submits to you the claim of the Dungan Tungsten Mines, under and in accordance with the provisions of the Federal Contract Settlement Act of 1944, approved June 1, 1944, as follows:

I.

That the undersigned, J. H. Dungan together with O. D. Hartwell, V. Hartwell and George Smith, all of Mohave County, Arizona, were at all times hereinafter mentioned co-partners doing business under the firm name and style of Dungan Tungsten Mines, and that said J. H. Dungan was and still is the manager thereof.

II.

That on or about the 7th day of August, 1943, relying upon the Metals Reserve Company domestic tungsten Circular of May 11, 1943, and being desirous of aiding the war effort by providing tungsten for government use, said co-partners acquired certain tungsten properties with the intention of operating the same, to-wit:

A. A lease from Jesus Leivas, Antonio Leivas and Angel Madril, covering the Lost Mine No. 2 and East Side Line unpatented mining claims situated in the Greenwood mining district, Mohave County, Arizona, a certified copy of which lease is hereto annexed, marked exhibit A and by reference made a part hereof, together with an assignment from Joe G. Lane and Fred V. Lane to Howard J. Dungan, also known as J. H. Dungan, a certified copy of which assignment, marked exhibit B, is annexed hereto; and that thereafter a decree of the Superior Court of Mohave County, Arizona was made and entered on December 23, 1943, quieting title in and to said mining claims, a certified copy, marked exhibit C, of which is annexed hereto and made a part hereof;

B. D & A Tungsten Mine #1, #2 and #3 unpatented mining claims, situated in the Ownes mining district, Mohave County, Arizona, located on September 1, 1943, location notices whereof are of record in the offices of the County Recorder of Mohave County, Arizona in Book 3Y of mines at Pages 255, 256 and 257 respectively;

C. Lands leased from Santa Fe Pacific Railroad Company described as follows, to-wit:

GILA AND SALT RIVER MERIDIAN, ARIZONA

Township fourteen North, Range twelve West.

$N\frac{1}{2}$, $NE\frac{1}{4}SE\frac{1}{4}$, $N\frac{1}{2}SW\frac{1}{4}$ and $S\frac{1}{2}S\frac{1}{2}$ section 29, containing six hundred acres, (600).

A Certified copy of said lease being annexed hereto, marked exhibit D, and made a part hereof.

III.

That said Dungan Tungsten Mines made due application to the Metals Reserve Company for classification as a "qualified producer" of tungsten and on or about the 12th day of October, 1943, a formal agreement therefor was duly executed, signed and delivered, together with a letter notifying J. H. Dungan of such classification, a photostatic copy of which agreement and letter is annexed hereto, marked exhibit E and made a part hereof.

IV.

That on or about February 29, 1944, said Metals Reserve Company served upon petitioner herein, its notice of Termination of Domestic Tungsten Program and Election to make Cash Settlement; that thereupon and thereafter, to-wit; on or about March 21, 1944, said claimant filed its affidavit Number 1, in accordance with said Notice of Termination and electing therein to adopt method B for the final adjustment under their agreement with the aforesaid Metals Reserve Company, receipt of which said Affidavit Number 1 and Election thereunder was duly acknowledged by said Metals Reserve Company on or about April 14, 1944, all of which is of record in the files of the said Metals Reserve Company regarding said Dungan Tungsten Mines.

V.

That one Alvin A. Rose has an undivided 1/10th interest in and to and under the lease hereinbefore mentioned upon the Lost Mine #2 and East Side Line mining claims, as will more fully appear by the decree entered in cause Number 3925 in the Superior Court of the State of Arizona, in and for the County of Mohave, a certified copy of which decree, marked exhibit C, is annexed hereto; Claimant states that said Alvin A. Rose is not and was not at any of the times herein mentioned a member of the aforesaid co-partnership, and that all of the expenditures and operations of claimant herein was independent of any interest of said Alvin A. Rose.

VI.

That said claimant, Dungan Tungsten Mines, commenced its mining and development operations upon the above described tungsten properties on or about the 7th day of August, 1943, and thereafter continued the same until June 30, 1944, during which time it, in good faith, and in reliance upon said circular of May 11, 1943, and its aforesaid agreement with the Metals Reserve Company incurred and paid the following cash expenditures, all of which was advanced and paid by said J. H. Dungan personally but on behalf of said co-partnership, as follows:

Attorney Fees and Expenses	\$ 455.00
Engineer Fees and Expenses	604.73
Abstract of Title on Property	50.50
Recording Fees	7.30
Maps and Books	87.97
Mine Supplies	1,933.11
Payments on Leases	1,650.00
Camp Supplies	707.19
Truck Expense	116.26
Repairs and Replacements	302.04
Assaying	38.00
Telephone, Telegraph and Postage	10.65
Compressor Rent	150.00
Miscellaneous Expense	26.00

TOTAL

\$6,138.75

In addition to the above, a used compressor and truck were purchased for \$625.00, which will have to be sold at a loss.

That in addition thereto, the aforesaid co-partners, in good faith, rendered and performed labor and services in said operations, from August 5, 1943, to June 30, 1944, which now remain unpaid, as payment therefor was to be made from production proceeds, the same being as follows:

J. H. Dungan - 10 months and 25 days at ↓ \$250.00 per month -	\$2,708.33
C. D. Hartwell - 211 shifts at \$8.00 per shift -	1,688.00
V. Hartwell - 123 shifts at \$8.00 per shift -	984.00
George Smith - 88 shifts at \$8.00 per shift -	704.00
TOTAL	\$6,084.33

Certified copy of said account of J. H. Dungan for cash advances and for the unpaid accounts being attached hereto, marked exhibit F and by reference made a part hereof.

VII.

That from and after the termination of said Metals Reserve Company Contract, and applicants' selection of Method No. 3 for final adjustment under said agreement, said co-partnership in good faith continued its operations until on or about July 1, 1944, at which time they ceased operations, because of the facts and circumstances hereinafter noted, to-wit:

A. That about the time said co-partnership commenced their operations, they had found from the history of said mine that during World War I, said mine was operated and considerable high grade ore was chlorided and packed out on burros, and, therefore, decided that for fast and economical work in producing tungsten ore from said mine, it was necessary and essential that a road be built from what is known as the Leivas ranch to the mine; That thereupon they applied to the Grazing Service Division of the United States Department of Interior for the building of an access mine road; That Dr. H. V. Chapman, an engineer for the U. S. Bureau of Mines, recommended the building of said access road, the cost of which was set up by the Grazing Service in excess of \$5,000.00.

While waiting for the approval of the building of said access road, the members of said co-partnership learned from the newspapers, mining periodicals and journals, that the demand for tungsten was very critical, as the China supply of tungsten was practically blockaded by the Japanese; Because of this, said co-partnership, in their patriotic desire to assist the government in its war effort, instead of waiting for the approval and building of said access road, by said Grazing Service, voluntarily proceeded in the enterprise, and they, themselves, with their own money, time and labor, built said road for the approximate sum of \$4,000.00; As a consequence, said co-partnership was considerably delayed in their efforts to produce tungsten; but at least saving \$1,000.00 or more for the government.

Claimant asserts that said sum of \$4,000.00 was well spent, for the reason that it was the actual cost of said road, and less than the set up cost by the Grazing Service;

That after the completion of said access road by claimant, to-wit: On June 1, 1944, said Grazing Service, by and through C. F. Dierking, Regional Grazier, notified J. H. Dungan, one of said co-partners, that their application for an access road was rejected by the War Production Board, stating the reasons therefor that, on said date of June 1, 1944, "due to the present supply and demand situation for tungsten ore, we do not feel that this project is essential to the war effort", a certified copy of which letter is annexed hereto, marked Exhibit G, and by reference made a part hereof.

B. That also, claimants in furtherance of their plan to make a large producing mine of tungsten ore out of their property, and learning from mining periodicals, newspapers and of actual loans being made in Mohave County, Arizona, by the Reconstruction Finance Corporation, decided to apply, and did apply to the Reconstruction Finance Corporation, for a loan of \$20,000.00, with which they intended to hasten the operations of tungsten production, as recommended by Elgin B. Holt, field Engineer of the Department of Mineral Resources, for the State of Arizona, a blue print copy of which is annexed hereto and made a part hereof;

That on or about February 14, 1944, said co-partners were notified by the Reconstruction Finance Corporation, that their application for a loan was rejected, all of which will more fully appear from the files of the Reconstruction Finance Corporation, re; Dungan Tungsten Mine, docket No. ND - 5930.

The rejection of this loan by the Reconstruction Finance Corporation, left said co-partnership without the funds that they had hoped for and planned for in making their property a paying mine of tungsten; Notwithstanding the rejection of said loan and the delay in the approval and rejection of the aforesaid access road, said co-partnership still continued to attempt to produce enough tungsten to reimburse them for their cash advances and labor and services, but failed in their efforts because of the lack of private capital to further finance them and their operations.

C. There is annexed hereto and made a part hereof, a history of this tungsten property, compiled by J. H. Dungan, from information he learned from old miners and prospectors, and particularly, from one Charles Lucero and the Leivas family, said Exhibit being marked Exhibit H.

D. There is also annexed hereto and made a part hereof, blue print copy of the report of Elgin B. Holt, field engineer of the Department of Mineral Resources, State of Arizona, dated January 6, 1944, also blue print copy of laboratory report of Smith-Emery Company, dated August 20, 1943, as to the values of tungsten and aluminum ores taken from said property, also blue print copy of Report of Analysis by Dr. Paul H. M. P. Brinton, Consulting and Research Chemist, showing report of analysis of samples taken from the aforesaid property, also blue print copy of certificate of assay of R. V. McAllister, assayer, chemist and metallurgist, of Kingman, Arizona, showing values of tungsten samples taken from said property, also two blue print copies of sample maps compiled by William S. Cummings, dated November 11, 1943 and November 12, 1943, respectively.

E. Claimant respectfully calls attention to the fact, and claimant also states that three of said co-partners, C. D. Hartwell, V. Hartwell and George Smith, in their patriotic desire to contribute to the war effort, rendered and performed in said effort, approximately six and one-half months of their time and labor without any remuneration whatsoever, except their eating which was provided by the

remaining partner, J. H. Dungan, which said remaining partner advanced and paid all of the cash expended in the enterprise, and each and all of said co-partners, claimants herein, assert that each and every dollar that was spent in the aforesaid enterprise, whether by labor and services or in cash, was well expended for more than the face value thereof.

F. That said co-partnership, in their effort to secure methods to reimburse themselves for their expenditures in labor, services and money, made numerous inquiries and investigations as to how, and in what manner they should proceed, in the event they should proceed to produce tungsten ore, and the only result of their inquiries was from an evidently Chinese Corporation, by name of Wah Chang Trading Corporation, 233 Broadway, New York 7, New York, dated September 12, 1944, the original of which will be cheerfully produced for examination by any government official, and claimants further state that they could not even hope to comply with the regulations and conditions of the proposition.

G. Claimants further state that although the drop in price of tungsten was the material factor of their closing down operations, in addition thereto, there was the discontinuance of the purchase of crude ores at stockpiles, leaving claimants herein without any outlet whatsoever, regardless of price, for their crude ores, and that they did not have and do not now have any private or custom milling facilities to handle their ores, if they continued to operate.

VIII.

That the only money, proceeds or returns received by said Dungan Tungsten Mines, during said period of time, or at any time, was for a shipment made in January, 1944, of 2002 pounds of tungsten ore to one E. Fernstrom, in the amount of \$103.12, a certified copy of the assay values and returns from said E. Fernstrom is hereby annexed, marked exhibit I (1), and by reference made a part hereof.

IX.

That on or about the 9th day of January, 1945, said Dungan Tungsten Mines forwarded the above and foregoing claim to Robert H. Hinckley, Director of the Office of Contract Settlement, in care of J. H. Dunning, Director of the Department of Mineral Resources of the State of Arizona, Phoenix, Arizona, which claim was returned with directions to address the claim to the Metals Reserve Company, together with comments thereon, including a memorandum from Elgin B. Holt, Field Engineer, a true copy of which memorandum is annexed hereto, marked Exhibit J, and made a part hereof.

Applicant respectfully submits that its foregoing claim, in the amount of \$12,223.08 less \$103.12, to-wit: the sum of \$12,119.96, should be approved, allowed and settled and payment made therefor, in accordance with the provisions of said Contract Settlement Act, claimant waiving any refund to which it might be entitled because of the purchase of said used compressor and truck hereinbefore referred to in Exhibit F.

J. H. DUNGAN

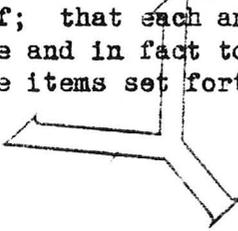
State of Arizona

ss

County of Mohave

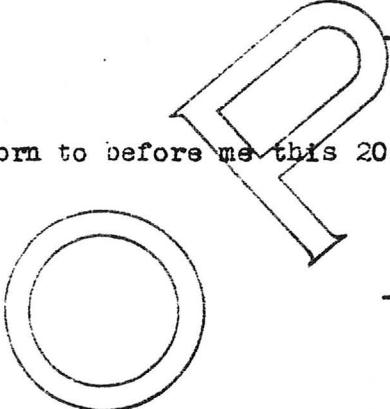
J. H. DUNGAN, being first duly sworn deposes and says:

That he is the manager of the co-partnership, Dungan Tungsten Mines, the foregoing claimant, and that he makes this affidavit for and on behalf of said Dungan Tungsten Mines, and each and all of the members thereof; that he has read the foregoing claim and knows the contents thereof; that each and all of the statements therein contained are true in substance and in fact to the best of his knowledge and belief, and that each and all of the items set forth in said claim are just and correct.



J. H. DUNGAN

Subscribed and sworn to before me this 20th day of January, 1945.



Notary Public

My commission expires
December 7, 1947.

Louis L. Wallace
Attorney for claimant
Kingman, Arizona

CARTER GLASS, VA., CHAIRMAN

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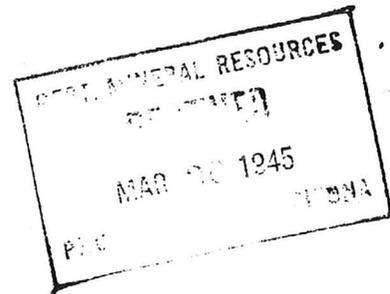
United States Senate

COMMITTEE ON APPROPRIATIONS

March 24, 1945

EVERARD H. SMITH, CLERK
JOHN W. R. SMITH, ASST. CLERK

Mr. C. H. Dunning, Director
Arizona State Department of
Mineral Resources
Home Builders' Building
128 North First Avenue
Phoenix, Arizona



My dear Dunning:

Referring to my letter of February 2, I am transmitting herewith a copy of a reply just received from Honorable Charles B. Henderson, President of the Metals Reserve Company, with regard to the Contract Termination Claim of the Dungan Tungsten Mine, Mohave County, Arizona, together with a copy of a communication addressed to Mr. J. H. Dungan under date of March 21 by Mr. DeWitt C. Schieck, Vice President of the Metals Reserve Company.

Our mutual good friend, Mr. William C. Broadgate, has told me that he plans to keep in touch with the proper officials of the Metals Reserve Company on behalf of this claim. You may be sure that whenever there are any further developments, I shall let you know.

With kindest personal regards, I am,

Yours very sincerely,

Care Hayden



METALS RESERVE COMPANY

WASHINGTON 25, D. C.

**Dungan Tungsten Mine
Page 2.**

This Company takes the position that the basis of settlement upon termination of the tungsten program pursuant to War Production Board recommendation, as provided in the Circular and the Notice of Termination, constituted an equitable basis of settlement. This Company finds nothing in the Contract Settlement Act of 1944 to indicate that the Congress intended Metals Reserve Company to give tungsten producers under contract with it full reimbursement for all unrecovered expenditures claimed to have been made in connection with the furnishing of tungsten for the war effort or in preparing to produce tungsten therefor.

You are further notified that this Company is prepared to effect settlement promptly with you for such sums as may be due you under your contract with Metals Reserve Company upon submission by you of Affidavit No. 2, copies of which have heretofore been furnished to you.

Very truly yours,

**DeWitt C. Schieck
Vice President**

METALS RESERVE COMPANY

Washington 25, D. C.

Dungan Tungsten Mine
Box 522
Kingman (Signal), Arizona

Attention: Mr. J. H. Dungan

Re: Termination of Domestic Tungsten
Program
Dungan Tungsten Mine (Arizona)

Gentlemen:

You have heretofore filed with Metals Reserve Company a claim in the net amount of \$12,119.96 under the Contract Settlement Act of 1944, based upon termination of Metals Reserve Company's domestic tungsten program in February, 1944.

Your claim has been carefully considered, and you are hereby advised that same is declined. Confirmation of you on October 12, 1943, as a qualified producer under this Company's domestic tungsten Circular of May 11, 1943, made you eligible to receive the premium price of \$30 per unit W03 paid by Metals Reserve Company, and established a written contract between you and this Company, which clearly specified this Company's entire undertaking, including particularly the cancellation privileges reserved by it. In entering into such contract, you were aware that you were guaranteed a market for your production at the \$30 price only through December 31, 1944, and were clearly on notice that the program might be discontinued prior to December 31, 1944, subject to settlement under the contract formula. The contract provision for payment of the \$30 price, plus the bailout clause, were the exclusive considerations, as regards return of war-time investments, which producers must be presumed to have relied upon in electing to participate in the program.

The record discloses that notice of termination was duly served upon you by letter dated February 29, 1944, wherein you were advised of Metals Reserve Company's election to make a cash settlement for your unfulfilled production pursuant to the terms of the Circular. By Affidavit No. 1, dated March 20, 1944, you elected to be governed by Method 3 of the termination procedure (which was more generous in its terms than the requirements of the Circular) and certified that you had effected total sales of 4.56 units of W03 during the six months' period from October, 1943, to March, 1944, inclusive, but gave no statement, such as was required, as to when such material had been produced. To date you have not furnished such information and have not submitted to this Company Affidavit No. 2 giving final details for all your production. It has, accordingly, been impossible to effect with you the termination settlement to which you may be entitled.

Dungan Tungsten Mine

Page 2

This Company takes the position that the basis of settlement upon termination of the tungsten program pursuant to War Production Board recommendation, as provided in the Circular and the Notice of Termination, constituted an equitable basis of settlement. This Company finds nothing in the Contract Settlement Act of 1944 to indicate that the Congress intended Metals Reserve Company to give tungsten producers under contract with it full reimbursement for all unrecovered expenditures claimed to have been made in connection with the furnishing of tungsten for the war effort or in preparing to produce tungsten therefor.

You are further notified that this Company is prepared to effect settlement promptly with you for such sums as may be due you under your contract with Metals Reserve Company upon submission of Affidavit No. 2, copies of which have heretofore been furnished to you.

Very truly yours,

/s/ DeWitt C. Schieck
Vice President

January 15, 1945

Mr. J. H. Dungan
Box 522
Kingman, Arizona

Dear Mr. Dungan:

In further regard to your contract settlement claim we have just gotten out a little bulletin of suggestions to attorneys in these cases and are sending you one herewith.

We have also received a letter from Holt, a copy of which is enclosed.

In section IV of your claim you show that you elected option No. 3 of the M.R.C. but you do not show why this or any other option did not enable you to recover your investment.

I understand that Mr. Holt made a report on the property and it might be well to mention this or attach copy of the report to substantiate the feasibility of the venture.

It might also be advisable to show that the money was spent (and well spent) for development and improvements that were essential to the economical mining of the ore.

On page 4 I have drawn a red line where I think you should be more specific as to the "conditions then and henceforth existing". This is the gist of the claim and should be definite.

We are returning the claim to you and suggest that you rewrite it to the extent suggested and then forward to Washington per instructions.

We will get Broadgate behind it and do everything possible to push it through. It looks as if you have a good claim and we are especially anxious to get one through that will establish a good precedent.

Please keep us advised.

Yours very truly,

Chas. H. Dunning
Director

CHD:LP

DUNGAN TUNGSTEN MINE

P. O. BOX 522
KINGMAN, ARIZONA

January 20, 1945

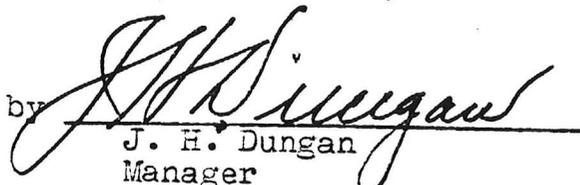
Charles H. Dunning
Director Department of Mineral Resources
State of Arizona
304 Homebuilders Building
Phoenix, Arizona

Dear Mr. Dunning:

Enclosed please find copy of claim of Dungan Tungsten Mines, we are filing with the Metals Reserve Company, subsidiary of the Reconstruction Finance Corporation, 811 Vermont Avenue, Washington, D. C.

In as much as you already have the complete picture and a copy of part of this claim, formerly submitted to you and in your office, I would greatly appreciate, if you think advisable, to forward this copy enclosed herein to Mr. Broadgate, Washington, D. C., with such letter of recommendation as you might care to submit for the Dungan Tungsten Mines.

Very truly yours,

by 
J. H. Dungan
Manager
P. O. Box 522
Kingman, Arizona

JHD/jn
Enc.

LOUIS L. WALLACE
LOUIS L. WALLACE, JR.

LAW OFFICES
OF
LOUIS L. WALLACE
KINGMAN, MOHAVE COUNTY, ARIZONA

copy

January 25, 1945



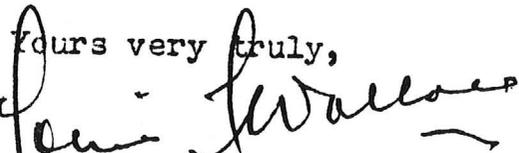
Metals Reserve Company
Subsidiary of the Reconstruction Finance Corporation
811 Vermont Avenue
Washington, D. C.

Re: Claim of Dungan Tungsten Mines.

Gentlemen:

I am enclosing herewith, for submission to you, the claim of Dungan Tungsten Mines, under the provisions of the Federal Contract Settlement Act of 1944.

I understand that a copy of this claim should be forwarded also to Charles H. Dunning, Director of the Department of Mineral Resources, State of Arizona, and I am today mailing him a copy.

Yours very truly,

Louis L. Wallace

LLW/jn
cc: Charles H. Dunning,
Director

January 26, 1945

Mr. Louis L. Wallace
Kingman, Arizona

Dear Mr. Wallace:

We are in receipt of a copy of your revised contract termination claim in the matter of Dungan Tungsten Mine. We note that you have sent the original on to the Metals Reserve Company and we will all hope for the best.

We would particularly like to retain this copy here but it also seems advisable that a copy be sent to Mr. W. C. Broadgate, Apt. 204, 705 - 4th, N.W., Washington, D. C. (supporting papers not necessary) and we will therefore make a copy here and send to him.

In reviewing your claim I can see one weak point. Perhaps the M.R.C. will pick on it also - perhaps not. It is in the last paragraph of Title VII (top of page 6) which I think might better read:

"for their cash advances and labor and services, but failed in their efforts because the M.R.C.'s cutback in the purchase of tungsten stopped their anticipated market and also precluded their obtaining private capital to further finance..."

In other words you are blaming your own inability a little (whether financial or otherwise) whereas the Government is 100% to blame.

We will watch the progress of this claim with much interest and we are certainly anxious to lend a hand in any way we can. So please feel free to call upon us whenever we can do any good.

We also feel indebted to you for the pioneer work.

Yours very truly,

Chas. H. Dunning
Director

CHD:LP

CC: W. C. Broadgate

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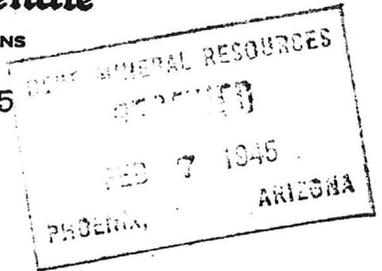
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JOSEPH H. BALL, MINN.

United States Senate

COMMITTEE ON APPROPRIATIONS

February 2, 1945

EVERARD H. SMITH, CLERK
JOHN W. R. SMITH, ASST. CLERK



Engineer
Arizona

Mr. C. H. Dunning, Engineer
Arizona Small Mine Operators Assn.
Phoenix, Arizona

My dear Dunning:

For your information I am attaching hereto a copy of a reply I have today addressed to Mr. J. H. Dungan of Kingman, Arizona.

With kindest personal regards, I am,

Yours very sincerely,

Care Hayden

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WALLACE H. WHITE, JR., MAINE
CHAN GURNEY, S. DAK.
C. WAYLAND BROOKS, ILL.

United States Senate

COMMITTEE ON APPROPRIATIONS

February 2, 1945

Mr. J. H. Dungan
Dungan Tungsten Mines
P. O. Box 522
Kingman, Arizona

My dear Mr. Dungan:

I want to thank you for your letter of January 20 with which there was enclosed a supplemental communication addressed to me under that same date by Mr. Louis A. Wallace and a copy of a claim of the Dungan Tungsten Mines submitted to the Metals Reserve Company under the provisions of the Contract Settlement Act of 1944.

It is my feeling that in order to get results such applications must be worked out most carefully and thoroughly and supported by pertinent proof of essential facts. On the basis of a cursory examination your brief may not show with sufficient clarity that had your eligible producer contract remained in force your investment in the operation would have been returned through the production and sale of proven ore of sufficiently high grade for profitable operation. In other words, it is my belief that it will be necessary to establish in all such claim applications that a specific act of the Federal Government was responsible for the loss of an investment made in good faith and that such loss was not the result of lack of ore of sufficient value.

Until a number of claims of this type have been considered carefully by the contracting agencies, it is difficult to anticipate just what policies will be followed. I am getting in touch with Honorable Charles B. Henderson, Chairman of the Board of Directors of the Reconstruction Finance Corporation in your behalf and shall assuredly do what I can to obtain equitable settlement in all worthy cases. I shall let you know just as soon as I have a report from Mr. Henderson with regard to this matter.

With every good wish, I am,

Yours very sincerely,

METALS RESERVE COMPANY

WASHINGTON 25, D. C.

FEB 8 1945

**Honorable Carl Hayden
Senate Office Building
Washington, D. C.**

My dear Senator Hayden:

This will acknowledge your letter of February 3, 1945, in which you enclosed a file relating to the operations of the Dungan Tungsten Mines at Kingman, Arizona. It is noted that the owner and manager of the Mine is filing a claim under the provisions of the Contract Settlement Act.

The matter submitted by this enterprise is receiving our careful attention. I hope to communicate with you within a few days, this letter being intended simply to acknowledge receipt of your communication.

With best wishes,

Sincerely yours,

(Signed) Charles B. Henderson

Charles B. Henderson
President

CM

CARTER GLASS, VA., CHAIRMAN

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CARL HAYDEN, ARIZ.
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CLYDE M. REED, KANS.
HAROLD H. BURTON, OHIO
JOSEPH H. BALL, MINN.

United States Senate

COMMITTEE ON APPROPRIATIONS

February 9, 1945

EVERARD H. SMITH, CLERK
JOHN W. F. SMITH, ASST. CLERK

GENERAL RESOURCES
DEPT. OF THE INTERIOR
RECORDED
FEB 15 1945
PAC

Mr. C. H. Dunning, Engineer
Arizona Small Mine Operators Association
Phoenix, Arizona

My dear Dunning:

Referring to my letter of February 2,
I am attaching hereto a supplemental communi-
cation I have today addressed to Mr. J. H.
Dungan, Kingman, Arizona.

With kindest personal regards, I am,

Yours very sincerely,

Carl Hayden

CARTER GLASS, VA., CHAIRMAN

KENNETH MC KELLAR, TENN.
CARL HAYDEN, ARIZ.
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WALLACE H. WHITE, JR., MAINE
CHAN GURNEY, S. DAK.
C. WAYLAND BROOKS, ILL.

United States Senate

COMMITTEE ON APPROPRIATIONS

February 9, 1945

EVERARD H. SMITH, CLERK
JOHN W. R. SMITH, ASST. CLERK

Mr. J. H. Dungan
Dungan Tungsten Mines
Post Office Box 522
Kingman, Arizona

My dear Mr. Dungan:

Referring to my letter of February 2, I am attaching hereto a reply received today from Mr. Charles B. Henderson, President of the Metals Reserve Company. As soon as I have further word from Mr. Henderson, I shall not fail to get in touch with you again.

With every good wish, I am,

Yours very sincerely,

Carl Hayden

METALS RESERVE COMPANY

WASHINGTON

Charles B. Henderson
President

Mar. 21 1945

Honorable Carl Hayden
Senate Office Building
Washington, D. C.

My dear Senator Hayden:

Receipt is acknowledged of your letter of March 17, 1945, with further reference to the claim filed by the Dungan Tungsten Mine, Kingman (Signal), Arizona, under the Contract Settlement Act of 1944, based upon termination of Metals Reserve Company's domestic tungsten program in February, 1944.

This claim has had the careful consideration of this Company, and has been rejected on the basis submitted, with the producer being advised that Metals Reserve Company is prepared to effect settlement promptly for such sums as may be due the producer under the termination procedure applicable in connection with the cancellation of the domestic tungsten program, upon submission by the producer of necessary data which has not heretofore been filed despite several requests therefor by this Company. A copy of the letter to the Dungan Tungsten Mine in connection with this matter is herewith enclosed.

Sincerely yours,

/s/ Charles B. Henderson
Charles B. Henderson
President.

Enclosure

COPY



METALS RESERVE COMPANY

WASHINGTON 25, D. C.

Dungan Tungsten Mine
Box 522
Kingman (Signal), Arizona

Attention: Mr. J. H. Dungan

Re: Termination of Domestic Tungsten Program
Dungan Tungsten Mine (Arizona)

Gentlemen:

You have heretofore filed with Metals Reserve Company a claim in the net amount of \$12,119.96 under the Contract Settlement Act of 1944, based upon termination of Metals Reserve Company's domestic tungsten program in February, 1944.

Your claim has been carefully considered, and you are hereby advised that same is declined. Confirmation of you on October 12, 1943, as a qualified producer under this Company's domestic tungsten Circular of May 11, 1943, made you eligible to receive the premium price of \$30 per unit WO_3 paid by Metals Reserve Company, and established a written contract between you and this Company, which clearly specified this Company's entire undertaking, including particularly the cancellation privileges reserved by it. In entering into such contract, you were aware that you were guaranteed a market for your production at the \$30 price only through December 31, 1944, and were clearly on notice that the program might be discontinued prior to December 31, 1944, subject to settlement under the contract formula. The contract provision for payment of the \$30 price, plus the bailout clause, were the exclusive considerations, as regards return of war-time investments, which producers must be presumed to have relied upon in electing to participate in the program.

The record discloses that notice of termination was duly served upon you by letter dated February 29, 1944, wherein you were advised of Metals Reserve Company's election to make a cash settlement for your unfulfilled production pursuant to the terms of the Circular. By Affidavit No. 1, dated March 20, 1944, you elected to be governed by Method 3 of the termination procedure (which was more generous in its terms than the requirements of the Circular) and certified that you had effected total sales of 4.56 units of WO_3 during the six months' period from October, 1943, to March, 1944, inclusive, but gave no statement, such as was required, as to when such material had been produced. To date you have not furnished such information and have not submitted to this Company Affidavit No. 2 giving final details for all your production. It has, accordingly, been impossible to effect with you the termination settlement to which you may be entitled.

ARIZONA DEPARTMENT OF MINERAL RESOURCES
MINERAL BUILDING, FAIRGROUNDS
PHOENIX, ARIZONA

August 29, 1958

To the Owner or Operator of the Arizona Mining Property named below:

Dungan Tungsten Mine (Mohave County) tungsten, wolfrumite and scheelite
(Property) (ore)

We have an old listing of the above property which we would like to have brought up to date.

Please fill out the enclosed Mine Owner's Report form with as complete detail as possible and attach copies of reports, maps, assay returns, shipment returns or other data which you have not sent us before and which might interest a prospective buyer in looking at the property.

Frank P. Knight

FRANK P. KNIGHT,
Director.

Enc: Mine Owner's Report

SOURCES

nds

RETURNED TO SENDER
REASON CHECKED
Unclaimed
Unknown
Insufficient address
Moved, left no address
No such office in state
Do not remain in this
POSTAGE DUE ?

Mr. J. H. Dungan
Dungan Tungsten Mine
Box 522
Kingman, Arizona

PHOENIX

DUNGAN TUNGSTEN MINE

P. O. BOX 522
KINGMAN, ARIZONA

Jan 15th 1945

AM

Mr. Chas. N. Sweeney, Director.
Department of Mineral Resources.
304 Howe Bldg -
Phoenix, Ariz.

DEPT. MINERAL RESOURCES
RECEIVED
JAN 16 1945
PHOENIX ARIZONA

Dear Mr Sweeney -

Reply to your letter re -
claim for a "contract settlement." The copy
sent to you is for criticism and processing,
nothing has been forwarded to Washington. A
copy also was mailed to Mr. Holt. Aqua
Caliente, Ariz together with Maps and
reports etc. - Get Mr Holt's report and
the 2 copies together and return
them with your criticism and suggestions

Very truly yours
J.H. Dungan
Box 522
Kingman, Ariz.

MADRILL-LEAVIS TUNGSTEN

Wo

Mohave

8 - 13

T 14 N, R 12 W

Tom Leavis, Wikieup

40

DEPARTMENT OF MINERAL RESOURCES
State of Arizona
Mine Owner's Report

Date: July 18, 1940

1. Mine: MADRILL-LEAVIS TUNGSTEN MINE
2. Mining District & County: Greenwood
Mining District, Mohave County
3. Former Name:
4. Location: 12 miles from Wikieup, Ariz.
56 miles southeast of
Kingman.
5. Owners: ✓ Tony Leavis and Angel Madrill
6. Address (Owners): Wikieup, Arizona.
7. Operator: Under Bond and Lease to:
Stanley S. Stonaker,
408 S. Spring St.,
Los Angeles, California.
8. Address (Operator):
9. President:
10. Gen. Mgr:
11. Mine Supt:
12. Mill Supt:
13. Principal Metals: Wolframite and
Scheelite.
14. Men Employed:
15. Production Rate: One Shipment of ore
extracted during development.
16. Mill - Type & Cap:
17. Power - Amt. & Type:
18. Operations - Present: Prospect only.
19. Operations - Planned: Shaft sinking and development work.
20. Number Claims, Title, etc: Two claims held by location on forty acre tract re-
conveyed to the U. S. Government by Santa Fe Pacific
Railroad Company.
21. Description - Topography & Geography: The property is in foothill area two
and one-half miles northwest of Green-
wood Peak at about 2300 feet elevation. In an air-line it is about 56 miles
south-southeast of Kingman, the County seat and supply center of this area.
The nearest post office is Wikieup, 12 miles north.
22. Mine Workings - Amt. & Condition: Vertical shaft 13 feet. East drift 24 feet
long. Open pits. All cleaned out and open
for inspection.

(over)

23. Geology & Mineralization: Mineralization has occurrence in east-west fractures within a belt of pre-cambrian mica schist engulfed in granite porphyry and microgranite. An intrusive aplite dike is associated with the ore-body. Rounded octahedra of scheelite are implanted on wolframite.
24. Ore - Positive & Probable, Ore Dumps, Tailings: No ore is actually blocked out. A small tonnage of ore of 1.61 tungsten trioxide grade is available in one dump. The high grade has been shipped.
- 24A. Dimensions and Value of Ore body: The ledge can be traced on the surface for four or five hundred feet. The width of the ledge is at least the width of the drift. No crosscutting has been done. a three foot width in the breast shows an analysis of 3.76 tungsten trioxide.
25. Mine, Mill Equipment & Flow-Sheet: None.
26. Road Conditions, Route: The area is about 60 miles by good County road from Yucca, Arizona, via Signal and Eaton's Crossing. At present time cars can be driven within about one-half mile of the claims.
27. Water Supply: A mill site is available in the valley on the east bank of the Big Sandy River, four miles from the property. Water for domestic purposes and mining are obtainable from the river.
28. Brief History: Some ore was shipped from the area during the 1914-1918 war period. Exploration activities were renewed in 1939. Located about midway between the Boriana Tungsten Mine and the Williams Tungsten mine (Mohave County Tungsten Field).
29. Special Problems, Reports Filed: Report filed - One by Philip Edwards, dated May 27th, 1940.
30. Remarks: This is the best tungsten prospect in the State of Arizona. From a shaft 13 feet deep and from a drift 24 feet at a corresponding depth every foot of work has yielded masses of segregated wolframite and scheelite. The claims have yielded larger masses than were encountered in the Boriana and Williams mines at a similar stage in their development.
31. If property for sale - Price, terms and address to negotiate: Open for bond and lease on basis of probable worth. No cash down payment required. Leasing parties must be reliable.
32. Signature: (Signed) STANLEY S. STONAKER
408 South Spring Street,
Los Angeles, California.

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
FIELD ENGINEERS REPORT

Mine DUNGAN TUNGSTEN MINE Date January 6, 1944
District Greenwood, Mohave Co., Arizona Engineer Elgin B. Holt
Subject:

R E P O R T

OWNERS: J. H. Dungan, et al, Box 522, Kingman, Arizona.

METALS: Tungsten: Wolframite and Scheelite.

LOCATION: This property is situated in the Greenwood Mining District about 75 miles southeasterly from Kingman, Arizona, and around two miles southeasterly from the junction of Burro Creek with the Sandy River. The nearest railroad Station to property is Yucca, 51 miles northwest of the mine. A county maintained dirt road leads from Yucca to the Leivas Ranch, via Signal, the said ranch being located on the Sandy River. Thence a narrow mountain road 2.3 miles in length leads on to the property. Owners have applied for access road funds with which to improve the said 2.3 miles of road, as well as to construct an additional road about two miles in length in order to avoid two fords on the Sandy River. An engineer representing the U. S. Bureau of Mines recently visited the property for the purpose of passing on the feasibility of the access road project mentioned.

AREA: The holdings of Dungan and associates, in this area, consist of 640 acres, described as all of Section 29, Township 14 North, Range 12 West, G. & S. R. B. & M. Forty acres of this section, or the NW $\frac{1}{4}$ of the SE $\frac{1}{4}$ thereof, is Public Domain, and is covered by Lost Mine No. 2 and the East Side Line claims. However, owners have filed amended location notices covering this same ground and changing the names of said claims to D & A claims 1, 2 & 3. The balance of said Section 29, or 600 acres of mineral ground, is leased from the Santa Fe Pacific Railroad Company by J. H. Dungan.

HISTORICAL: Property was discovered by Charles Lucero in 1917 and later on was leased by him to Jimmy Walker and associates, who extracted and marketed considerable ore during World War I, assaying, per legend, from 40 to 60% WO $_3$.

The property afterwards passed into the hands of the Leivas family, and in June, 1943, an agreement was entered into by and between the owners, Mrs. Jesus Leivas, Tony Leivas and Angel Medril, and Joe G. Lane and associates whereby the said owners agreed to sell two claims, covering the said 40 acres of Public Domain on said Section 29, to the said Lane, et al, in the sum of \$6,000, one thousand dollars in cash and the balance in royalties from ore shipments.

In October, 1943, all of the interests of Joe G. Lane, et al, were taken over by J. H. Dungan and associates, who are now developing the property.

EXAMINATION: I visited this property during the latter part of 1942 and again on December 30, 1943, the latter time in company with J. H. Dungan and associates. On the last visit I made a Brunton compass survey of the main workings of property, from which the attached maps were made. However, I did not take any samples, hence this report is merely a physical description of this property.

GEOLOGY - HOW TUNGSTEN ORE OCCURS: The country rock within the confines of property consists of pre-Cambrian granite-gneiss complex, which has been greatly disturbed and is crossed from an East to West direction by a mineralized fault zone in which the tungsten ore bodies are found outcropping.

ORE SHOOTS: The two principal shoots of tungsten ore found on property are described as follows: Within the 40 acres of Public Domain mentioned, and locally known as Lost Mine No. 2, is an outcropping of tungsten ore on which a 15-foot shaft has been sunk; from the bottom of which a drift has been run 33 feet east along the so-called vein, or fault zone. This drift exposes a pay-streak of tungsten ore around 15 to 24 inches in width, but the brecciated material adjacent to this pay-streak also carries tungsten, which I verified by the Mineralight and also by the fact that I found pieces of Wolframite in the vein gangue which I would say should assay above 60% WO₃. Present owners have extracted from these workings around one ton of hand-picked ore which they are arranging to ship to Fernstrom & Company, Tucson, Arizona.

The other ore shoot is located on the ground known as Lost Mine No. 1, situated in the NE $\frac{1}{4}$ of the SW $\frac{1}{4}$ of said Section 29, hence on Santa Fe leased ground. This shoot of ore is quite similar to the first shoot mentioned and is developed by an open cut along the vein, or ore zone, about 40 feet in length, in the bottom of which a prospect hole on "vein" has been sunk to a depth of 8 feet. I was informed that most of the tungsten ore shipped in World War I came out of these workings. Here on my first visit I picked up pieces of clean Wolframite weighing from one to five ounces each. The "pay-streak" in these workings is from 3 to 4 feet wide, with tungsten ore also found in brecciated material adjacent thereto.

I am of the opinion that deeper work in both of the said ore shoots will result in the uncovering of important reserves of tungsten ore of milling grade, ore that should run in quantity from one to two per cent WO₃.

CROSS-CUT TUNNEL: At the time of my last visit, present owners were driving a cross-cut tunnel in order to intersect the first ore shoot mentioned within Lost Mine No. 2 ground. At that time this tunnel had reached a point 140 feet from its portal. It will be necessary to drive this cross cross-cut tunnel around 422 feet further in order to pick up the ore shoot mentioned, but in doing so, it is possible other tungsten-bearing fractures may be found. (See Map No. 1).

PROPOSED WORK: Inasmuch as Dungan and associates are now drawing up an application to RFC for a \$20,000 development loan, to be expended upon this mine, I have recommended to them that they temporarily at least suspend the driving of said cross-cut tunnel, and, in the event the loan is granted, that they carry out the following work directly on the two ore shoots described:

Sink Shaft No. 1, which is now 15 feet deep and located on what is known as "Lost Mine No. 2", on incline of vein 100 feet deeper, said shaft to be 1 $\frac{1}{2}$ -compartment in size and timbered. (See Map No. 1). At bottom of said shaft, one drift to be run easterly on "vein" 100 feet, and another drift westerly on "vein" also 100 feet, or a total of 200 feet of drifting.

Sink Shaft No. 2, located at open cut workings on "Lost Mine No. 1" (Santa Fe Lease), on incline of vein 100 feet deep, said shaft to be 1 $\frac{1}{2}$ -compartment in size and timbered. (See Map No. 2).

At bottom of Shaft No. 2, one drift to be run easterly on "vein" 100 feet, and another drift westerly on "vein" also 100 feet, or a total of 200 feet of drifting on the 100-foot level.

MILL: After the above work has been completed, and provided this work should result in uncovering a goodly supply of milling ore, then and in such event, I would further recommend the construction directly at mine of a gravity concentration mill, the capacity of which would all depend on the amount and grade of ore that may be developed.

WATER: Ample water for milling may be secured by sinking a well adjacent to Burro Creek distant less than two miles from property, and by installing a pumping plant and pipe line.

CONCLUSION: While the Dungan Tungsten Mine is now merely a prospect, its general characteristics are most pleasing, and I believe in the event the above work is carried out in a workmanlike manner that a considerable supply of underground ore of milling grade will be exposed thereby.

/s/ Elgin B. Holt
Field Engineer

LABORATORY REPORT

SMITH-EMERY COMPANY

CHEMICAL ENGINEERS AND CHEMISTS

METALLURGICAL AND TESTING ENGINEERS

920 SANTER STREET

LOS ANGELES

15

LABORATORY

No. 238339-40

Date August 20, 1943

Sample Ore

Received 8-19-43

Marked See below

Submitted by W. L. Cummings,
121 East Alhambra Road.,
Alhambra, California.

REPORT OF DETERMINATIONS

Sample No. 1:

Tungsten Trioxide (WO_3) ----- 31.85%

Sample No. 2:

Aluminum Oxide (Al_2O_3) ----- 15.20%

Respectfully submitted,

Smith-Emery Co.
CHEMISTS AND ENGINEERS
508

Copy.

DR. PAUL H. M.-P. BRINTON
CONSULTING AND RESEARCH CHEMIST

TELEPHONE: SYCAMORE 3-4335
CABLES: BRINLAB, PASADENA

1064 LINDA VISTA WAY
PASADENA, CALIFORNIA

REPORT OF ANALYSIS

October 16, 1943

SAMPLE FROM **Mr. W. I. Cummings**
121 East Alhambra Road, Alhambra, California.

SAMPLE MARKED "Columbite"

Qualitative Spectrographic Analysis

Major Constituents:

Tungsten, Manganese.

Minor Constituents:

}	Iron	Rough Approximation *	1.0 %
	Columbium	" "	1.0 %
}	Calcium	" "	0.5 %
	Molybdenum	" "	0.1 %
	Silicon	" "	.05 %
	Aluminum	" "	.05 %
	Bismuth	" "	.05 %
	Magnesium	" "	.01 %
	Lead	" "	.001 %
	Titanium	" "	.001 %
	Chromium	" "	.001 %

* The "Rough Approximation" is believed to be accurate to about the nearest power of ten; that is, Molybdenum is thought to be closer to 0.1% than to either 1.0% or 0.01%.

The mineral is probably HUBNERITE. The presence of columbium suggests that there may be columbite mixed with the sample, possibly lying close to it.

B/a

Paul H. M.-P. Brinton
 Paul H. M.-P. Brinton
 2 = 10 ✓
 560
 5040

DR. PAUL H. M.-P. BRINTON
CONSULTING AND RESEARCH CHEMIST

TELEPHONE: SYCAMORE 3-4335
CABLES: BRINLAB, PASADENA

1064 LINDA VISTA WAY
PASADENA, CALIFORNIA

REPORT OF ANALYSIS

August 6, 1943

SAMPLE FROM Mr. W. L. Cummings
124 East Alhambra Road, Alhambra, California

SAMPLE MARKED No mark. Said to be a grab sample from a box.

Qualitative Spectrographic Analysis

Major Constituents:

Iron, Calcium, Silicon, Aluminum, Manganese.

Important Constituent:

Tungsten

Minor Constituents:

	Rough Approximation *		
Magnesium	"	"	1.0 %
Titanium	"	"	"
Potassium	"	"	0.1 %
Copper	"	"	"
Sodium	"	"	0.05 %
Strontium	"	"	0.01 %
Vanadium	"	"	0.005 %
Molybdenum	"	"	0.001 %
Boron	"	"	"

* The "Rough Approximation" is thought to be accurate to about the nearest power of 10.- that is, Magnesium is believed to be closer to 1.0% than to either 0.1% or 10.0%.

Clearly, this deposit deserves investigation as a possible source of tungsten.

Paul H. M.-P. Brinton

B:S

Charges \$7.00 have been paid.

DEPARTMENT OF MINERAL RESOURCES
State of Arizona
Mine Owner's Report

Date: July 18, 1940

1. Mine: MADRILL-LEAVIS TUNGSTEN MINE
2. Mining District & County: Greenwood Mining District, Mohave County
3. Former Name:
4. Location: 12 miles from Wikieup, Ariz.
56 miles southeast of Kingman.
5. Owners: Tony Leavis and Angel Madrill
6. Address (Owners): Wikieup, Arizona.
7. Operator: Under Bond and Lease to: Stanley S. Stonaker,
408 S. Spring St.,
Los Angeles, California.
8. Address (Operator):
9. President:
10. Gen. Mgr:
11. Mine Supt:
12. Mill Supt:
13. Principal Metals: Wolframite and Scheelite.
14. Men Employed:
15. Production Rate: One Shipment of ore extracted during development.
16. Mill - Type & Cap:
17. Power - Amt. & Type:
18. Operations - Present: Prospect only.
19. Operations - Planned: Shaft sinking and development work.
20. Number Claims, Title, etc: Two claims held by location on forty acre tract re-conveyed to the U. S. Government by Santa Fe Pacific Railroad Company.
21. Description - Topography & Geography: The property is in foothill area two and one-half miles northwest of Greenwood Peak at about 2300 feet elevation. In an air-line it is about 56 miles south-southeast of Kingman, the County seat and supply center of this area. The nearest post office is Wikieup, 12 miles north.
22. Mine Workings - Amt. & Condition: Vertical shaft 13 feet. East drift 24 feet long. Open pits. All cleaned out and open for inspection.

(over)

23. Geology & Mineralization: Mineralization has occurrence in east-west fractures within a belt of pre-cambrian mica schist engulfed in granite porphyry and microgranite. An intrusive aplite dike is associated with the ore-body. Rounded octahedra of scheelite are implanted on wolframite.
24. Ore - Positive & Probable, Ore Dumps, Tailings: No ore is actually blocked out. A small tonnage of ore of 1.61 tungsten trioxide grade is available in one dump. The high grade has been shipped.
- 24A. Dimensions and Value of Ore body: The ledge can be traced on the surface for four or five hundred feet. The width of the ledge is at least the width of the drift. No crosscutting has been done. A three foot width in the breast shows an analysis of 3.76 tungsten trioxide.
25. Mine, Mill Equipment & Flow-Sheet: None.
26. Road Conditions, Route: The area is about 60 miles by good County road from Yucca, Arizona, via Signal and Eaton's Crossing. At present time cars can be driven within about one-half mile of the claims.
27. Water Supply: A mill site is available in the valley on the east bank of the Big Sandy River, four miles from the property. Water for domestic purposes and mining are obtainable from the river.
28. Brief History: Some ore was shipped from the area during the 1914-1918 war period. Exploration activities were renewed in 1939. Located about midway between the Boriana Tungsten Mine and the Williams Tungsten mine (Mohave County Tungsten Field).
29. Special Problems, Reports Filed: Report filed - One by Philip Edwards, dated May 27th, 1940.
30. Remarks: This is the best tungsten prospect in the State of Arizona. From a shaft 13 feet deep and from a drift 24 feet at a corresponding depth every foot of work has yielded masses of segregated wolframite and scheelite. The claims have yielded larger masses than were encountered in the Boriana and Williams mines at a similar stage in their development.
31. If property for sale - Price, terms and address to negotiate: Open for bond and lease on basis of probable worth. No cash down payment required. Leasing parties must be reliable.
32. Signature: (Signed) STANLEY S. STONAKER
408 South Spring Street,
Los Angeles, California.

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
MINE OWNER'S REPORT

Date July 18, 1940.

1. Mine **Madril-Leavis Tungsten**
2. Location **Sec. 29 - T14N - R12W
G&SRM**
3. Mining District & County **Greenwood Mining District
Mohave, County.**
4. Former name-----
5. Owner **Tony Leavis and Angel Madril**
6. Address (Owner) **Wikieup, Arizona**
7. Operator **Under Bond and Lease to
Stanley S. Stonaker**
8. Address (Operator) **408 S. Spring St.
Los Angeles, Calif.**
9. President, Owing Co. **Same as #7**
- 9A. President, Operating Co. **Same as #8**
10. Gen. Mgr. **None**
14. Principal Minerals **Wolframite and
Scheelite**
11. Mine Supt. **None**
15. Production Rate **One shipment of ore
extracted during development**
12. Mill Supt. **None**
16. Mill: Type & Cap. **None**
13. Men Employed
17. Power: Amt. & Type **None**
18. Operations: **Present Prospect only**
19. Operations: **Planned Shaft sinking and development work.**
20. Number Claims, Title, etc. **Two claims held by location on forty acre tract
reconveyed to the U. S. Government by Santa Fe Pacific
Railroad Company.**
21. Description: **Topography & Geography The property is in foothill area two and
one-half miles northwest of Greenwood Peak at about 2300 feet
elevation- In an air-line it is about 56 miles south-southeast
of Kingman, the County seat and supply centre of this area-
The nearest postoffice is Wikieup- 12 miles north.**
22. Mine Workings: Amt. & Condition **Vertical shaft 13 feet- East drift 24 feet long-
Open pits- All cleaned out and open for
inspection.**

(over)

23. Geology & Mineralization Mineralization has occurred in east-west fractures within a belt of pre-cambrian mica schist engulfed in granite porphyry and microgranite. An intrusive aplite dike is associated with the ore-body. Rounded octahedra of scheelite are implanted on wolframite.
24. Ore: Positive & Probable, Ore Dumps, Tailings No ore is actually blocked out. A small tonnage of ore of 1.61 tungsten trioxide grade is available in one dump. The highgrade has been shipped.
- 24A. Dimensions and Value of Ore body The ledge can be traced on the surface for four or five hundred feet- The width of the ledge is at least the width of the drift. No crosscutting has been done. A three foot width in the breast shows an analysis of 3.76 tungsten trioxide.
25. Mine, Mill Equipment & Flow-Sheet None
26. Road Conditions, Route The area is about 60 miles by good County road from Yucca, Arizona, via Signal and Eaton's Crossing- At the present time cars can be driven within about one-half mile of the claims.
27. Water Supply A mill site is available in the valley on the east bank of the Big Sandy River, four miles from the property. Water for domestic purposes and mining are obtainable from the river.
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29. Special Problems, Reports Filed Report filed- One by Philip Edwards, dated May 27th, 1940.
30. Remarks This is the best tungsten prospect in the State of Arizona- From a shaft, 13 feet deep, and from a drift 24 feet at a corresponding depth every foot of work has yielded masses of segregated wolframite and scheelite. The claims have yielded larger masses than were encountered in the Borina and Williams mines at a similar stage in their development.
31. If property for sale: Price, terms and address to negotiate. Open for bond and lease on basis of probable worth- No cash down payment required- Leasing parties must be reliable

32. Signature.....

Stanley S. Stonaker
 Stanley S. Stonaker,
 408 South Spring Street,
 Los Angeles, California.

33. Use additional sheets if necessary.

Reference: Valley National Bank, Kingman, Arizona.
 Bank of America, 5th and Spring, Los Angeles, Calif.