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

The following file is part of the

Arizona Department of Mines and Mineral Resources Mining Collection

ACCESS STATEMENT

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

CONSTRAINTS STATEMENT

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

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

QUALITY STATEMENT

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

PRINTED: 06/14/2001

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES AZMILS DATA

PRIMARY NAME: BLUEBELL GROUP

ALTERNATE NAMES:
NELLO GROUP
TUNGSTEN QUEEN
TRIPOD CLAIM

MOHAVE COUNTY MILS NUMBER: 521A

LOCATION: TOWNSHIP 19 N RANGE 15 W SECTION 1 QUARTER --
LATITUDE: N 35DEG 03MIN 33SEC LONGITUDE: W 113DEG 49MIN 42SEC
TOPO MAP NAME: DEAN PEAK - 7.5 MIN

CURRENT STATUS: PAST PRODUCER

COMMODITY:
TUNGSTEN
MOLYBDENUM
BISMUTH

BIBLIOGRAPHY:
ADMMR BLUEBELL GROUP FILE
ADMMR MOHAVE CUSTOM MILL PROJECT
BLM UNIT RESOURCE ANALYSIS STEP 3 & 4,
HUALAPAI UNIT
DALE, V.B. "TUNGSTEN DPSTS OF GILA, YAVAPAI,
MOHAVE CTYS, AZ" USBM IC 8078, P 91-93, 1961
ADDITIONAL WORKINGS SEC. 2, 12, T19N-R15W &
SEC. 35 & 36 T20N-R15W

08/23/88

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES FILE DATA

PRIMARY NAME: BLUEBELL GROUP

ALTERNATE NAMES:
NELLO GROUP
TUNGSTEN QUEEN
TRIPOD CLAIM

MOHAVE COUNTY MILS NUMBER: 521A

LOCATION: TOWNSHIP 19 N RANGE 15 W SECTION 1 QUARTER --
LATITUDE: N 35DEG 03MIN 33SEC LONGITUDE: W 113DEG 49MIN 42SEC
TOPO MAP NAME: DEAN PEAK - 7.5 MIN

CURRENT STATUS: PAST PRODUCER

COMMODITY:
TUNGSTEN
MOLYBDENUM
BISMUTH

BIBLIOGRAPHY:
ADMMR BLUEBELL GROUP FILE
ADMMR MOHAVE CUSTOM MILL PROJECT
BLM UNIT RESOURCE ANALYSIS STEP 3 & 4, HUALAPAI UNIT
DALE, V.B. "TUNGSTEN DPSTS OF GILA, YAVAPAI, MOHAVE CTYS, AZ" USBM IC 8078, P 91-93, 1961
ADDITIONAL WORKINGS SEC. 2, 12, T19N-R15W & SEC. 35 & 36 T20N-R15W

NUMBER	FILE	CONT	CONT1	PRINAME
521A	F	0	N	BLUEBELL GROUP

ALTNAME1
NELLO GROUP

ALTNAME2
TUNGSTEN QUEEN

ALTNAME3
TRIPOD CLAIM

ALTNAME4

ALTNAME5

ALTNAME6

CURSTAT	MNAME	NLATDEG	NLATMIN
PAST PRODUCER	DEAN PEAK - 7.5 MIN	35	03

NLATSEC	WLONGDEG	WLONGMIN	WLONGSEC	TOWN	RANGE	SECTION	QUARTER	COM1
33	113	49	42	19 N	15 W	1	--	W

MODI1	COM2	MODI2	COM3	MODI3	COM4	MODI4
	MO		BI			

COM5	MODI5	COM6	MODI6	COM7	MODI7

BIB1
ADMMR BLUEBELL GROUP FILE
BIB2
ADMMR MOHAVE CUSTOM MILL PROJECT
BIB3
BLM UNIT RESOURCE ANALYSIS STEP 3 & 4,
BIB4
HUALAPAI UNIT
BIB5
DALE, V.B. "TUNGSTEN DPSTS OF GILA, YAVAPAI,
BIB6
MOHAVE CTYS, AZ" USBM IC 8078, P 91-93, 1961
BIB7
ADDITIONAL WORKINGS SEC. 2, 12, T19N-R15W &
BIB8
SEC. 35 & 36 T20N-R15W

May 27, 1957

Mohave County
Maynard Dist.

Nello Group

This propterty idle

Mark Gemmill

USBM IC 8078, p. 91-93

RH

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
FIELD ENGINEERS REPORT

Mine NELLO GROUP Date November 3, 1942

District Maynard, Mohave Co., Arizona Engineer Elgin B. Holt

Subject: Mine Access Road

MEMORANDUM

TO: Earl F. Hastings

FROM: Elgin B. Holt

OWNERS: Emery Blevins & A. B. Maddox, Kingman, Arizona.

METALS: Tungsten

LOCATION: This property is located 23 miles southeast of Kingman, and is reached by a county-maintained road to within one-half mile of the main workings of the mine; thence by trail to the same. This trail, one-half mile in length, constitutes the Access Road Project, estimated to cost around $500 to complete by bulldozer and grader.

DESIRABILITY OF THE DEPOSIT: It contains tungsten needed in the War Effort.

NECESSITY OF THE ROAD TO THE PROPERTY: Owners desire to start development work on it in order to block out tungsten ore.

NAMES AND ADDRESS OF OWNERS: This item is set forth above.

AMOUNT OF WORK DONE: Location work only consisting of a number of open cuts on vein from four to six feet deep.

WIDTH AND PERSISTENCE OF VEIN: Vein is from one to two feet wide. It strikes N. 10 deg. E. Dips 30 deg. E.; and is traceable, at intervals, for two miles.

AMOUNT OF ORE ACTUALLY BLOCKED OUT: None.

AMOUNT OF PROBABLE ORE: The amounts of both probable and possible ore are questionable items to discuss. This property is a prospect only.

GRADE OF ORE SHIPPED TO DATE: At the time I visited this property, on August 25, 1942, in company with Emery Blevins, one of the owners, he informmed me that around 5 tons of ore had been shipped to Boriana, where it was concentrated. And that the said 5 tons of ore averaged 2.0% WO_3.

TO WHOM SHIPPED: Boriana.

APPROXIMATE DATE OF SHIPMENT: During July, 1942.

PRESENT OUTPUT OF MINE, GRADE & TONNAGE: Property idle. Road needed so work can start.

NELLO GROUP

PROPOSED OUTPUT OF MINE AFTER COMPLETION OF MINE: Problematical.

ARE MILLING FACILITIES AVAILABLE FOR CONCENTRATING ORE? Yes; at Boriana, 55 miles distant. See my report, attached hereto, on the King David Mine.

REMARKS: The Nello Tungsten prospect has the ear-marks, if developed, it has a chance to make a good little tungsten mine, one that would probably supply a 25-ton concentrating plant with ore that should assay in excess of 1% WO_3.

(Signed) Elgin B. Holt
Field Engineer

(Copy)

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
FIELD ENGINEERS REPORT

Mine NELLO GROUP Date November 3, 1942

District Maynard, Mohave Co., Ariz. Engineer Elgin B. Holt

Subject:

MINE ACCESS ROAD

DEPT. MINERAL RESOURCES
RECEIVED
NOV 6 1942
PHOENIX, ARIZONA

M E M O R A N D U M

To: Earl F. Hastings

From: Elgin B. Holt

OWNERS: Emery Blevins & A. B. Maddox, Kingman, Arizona.

METALS: Tungsten.

LOCATION:

This property is located 23 miles southeast of Kingman, and is reached by a county-maintained road to within one-half mile of the main workings of the mine; thence by trail to the same. This trail, one half mile in length, constitutes the Access Road Project, estimated to cost around $500 to complete by bulldozer and grader.

DESIRABILITY OF THE DEPOSIT:

It contains tungsten needed in the war effort.

NECESSITY OF THE ROAD TO THE PROPERTY:

Owners desire to start development work on it in order to block out tungsten ore.

NAMES AND ADDRESS OF OWNERS:

This item is set forth above.

AMOUNT OF WORK DONE:

Location work only consisting of a number of open cuts on vein from four to six feet deep.

WIDTH AND PERSISTENCE OF VEIN:

Vein is from one to two feet wide. It strikes N. 10 deg. E. Dips 30 deg. E.; and is traceable, at intervals, for two miles.

AMOUNT OF ORE ACTUALLY BLOCKED OUT:

None.

AMOUNT OF PROBABLE ORE:

The amounts of both probable and possible ore are questionable items to discuss. This property is a prospect only.

GRADE OF ORE SHIPPED TO DATE:

At the time I visited this property, on August 25, 1942, in company with Emery Blevins, one of owners, he informed me that around 5 tons of ore had been shipped to Boriana, where it was concentrated. And that the said 5 tons of ore averaged 2.0% WO3.

TO WHOM SHIPPED:

Boriana.

APPROXIMATE DATE OF SHIPMENT:

During July, 1942.

PRESENT OUTPUT OF MINE, GRADE & TONNAGE:

Property idle. Road needed so work can start.

PROPOSED OUTPUT OF MINE AFTER COMPLETION OF MINE:

Problematical.

ARE MILLING FACILITIES AVAILABLE FOR CONCENTRATING ORE?

Yes; at Boriana, 55 miles distant. See my report, attached hereto, on the King David mine.

REMARKS:

The Nello tungsten prospect has the ear-marks, if developed, it has a chance to make a good little tungsten mine, one that would probably supply a 25-ton concentrating ~~ore~~ plant with ore that should assay in excess of 1% WO3.

Elgin B. Holt

Elgin B. Holt,
Field Engineer.

DEPT. MINERAL RESOURCES
RECEIVED
AUG 28 1942
PHOENIX ARIZONA

Palmer

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
FIELD ENGINEERS REPORT

Mine NELLO GROUP

Date August 25, 1942

District Maynard, Mohave Co.

Engineer Elgin B. Holt

Subject:

BRIEF REPORT

OWNERS: A. B. Maddox & Emery Blevins, Kingman, Arizona.

METALS: Tungsten: Scheelite & Wolframite.

LOCATION: This property is located 23 miles southeast of Kingman, in the Maynard Mining District, Mohave County; and is reached by a county-maintained road to within 2,000 feet of the main workings of the mine; thence by trail to the same.

VEIN: The main vein is from one to two feet wide. It strikes N. 10 deg. E. and dips 30 deg. E. from the horizontal; and is traceable for around two miles in length. There is a quartz-porphyry dike on foot wall of vein, around 3 to 4 feet wide and is said by owners to contain low tungsten values. The surrounding country rock is granite, which has been intruded by later igneous dikes.

DEVELOPMENT WORK - VALUES: Development work consists of a number of open cuts, from four to six feet deep on vein, exposing tungsten ore at intervals for around 1,000 feet in length. Owners shipped around 5 tons of ore from some of these cuts to the Boriana mill for treatment, during July, 1942; and these shipments averaged around 2.0 percent WO3, per Blevins.

EXAMINATION: This property was visited by me, in company with Blevins, on July 25, 1942, inasmuch as both Maddox and Blevins had advised me that they were arranging to make application for a Class B, $20,000, loan. I advised them regarding the manner in which to make the said application; but I now understand this has not been finished, probably due to the fact that a part of this group of 6 claims is located on Santa Fe Railroad lands, on which claimants have applied for a lease. For this reason, I delayed writing this report until such time as the said lease could be obtained by claimants, etc.

REMARKS: This group is ~~only~~ a prospect, on which the location work has been done only. This work, however, shows Wolframite ore in place in the various cuts mentioned. The vein is narrow, being, as stated, from one to two feet wide; ore occuring in short lenses. Also there are two other small parallel veins on property and a number of tungsten-bearing stringers. Should further development work prove that the dike mentioned has tungsten values of milling grade, the potential value of this property would, of course, be materially increased. In any event, the vein mentioned has a goodly showing of Wolframite exposed in the cuts mentioned; and, hemce, this prospect warrants the expenditure of sufficient money to prove whether it is a mine or not.

Elgin B. Holt

Elgin B. Holt,
Field Engineer.

Copy of Original which is in file. Look at this copy.

THE TUNGSTEN QUEEN PROPERTY.

HAULAPAI MOUNTAINS.

MOHAVE COUNTY, ARIZONA.

THE PROPERTY

The property consists of six full sized, contiguous unpatented claims disposed end to end forming a rectangle measuring 9000 feet long by 600 feet wide.

LOCATION.

The property is located in the Cedar Mining District. near the central part of Mohave County in the western part of the Hualapai mountains. The center of the property is between 17 and 18 miles East from Yucca, a station on the Santa Fe Route, and Yucca is 24 miles South of Kingman.

ACESSIBILITY.

Agood wagon road built and maintained by the Yucca Tungsten Company, whose property joins the property of the Tungsten Queen, extends to a point within three and a half miles of the center of the latter property. This three and a half mile stretch can be built without encountering unusual difficultie s.

TOPOGRAPHY.

The topography is rough and mountainous. The vein cuts the ridges and ravines at right angles, thereby furnishing many opportunities for the development of the property by means of adit tunnels.

GEOLOGY.

The country rocks are schist and granite, both highly crystalline. Bands of schist pass through the granite the foliations being generally parallel to the vein in dip and strike.

VEINS AND ORES.

The main vein stands nearly vertical in dip and has a generally northerly and southerly strike.

The main vein is accompanied through an undetermined portion of its length by thin and shorter veins at distance varying from 10 feet to 40 feet. The filling of these narrower veins is similar in all respects to that of the main vein.

* The main vein varies in thickness from 12 inches at its narrowest point to 5 feet, widening towards the north. The side veins are from 2 inches to 8 inches in width.

The vein filling is a finelay granular quartz, faintly lamellar in structure, the laminations being roughly parallel to

the walls of the vein. Minute crystals of wolfranite and scheelite are scattered through the granular quartz, the whole constituting a finely diseminated tungsten ore. The general color of the ore is light gray and a sprinkling of larger crystals of the black wolfranite gives the ore a speckled appearance. Occasional specks of the canary yellow tungstite occur throughout the mass of the vein filling.

On the northern part of Claim No. 5 the vein widens to 5 feet and the vein filling changes its character. The material between the walls partakes markedly of the character of the country rocks though altered in some measure. It is a coarse grained grey granite, composed in large part of mica through the mass of which are scattered minute crystals of the tungsten minerals. This granular matter occasionally contains a high percentage of tungstic acid (tungstite).

It is not improbable that the wall rocks may contain workable quantities of tungsten minerals by reason of the possible penetration of these rocks by the tungsten bearing solutions following the fissure of the vein. An examination of openings on neighboring claims revealed the fact that the country rock in the neighborhood of small fissures, not infrequently contains notable quantities of tungstite.

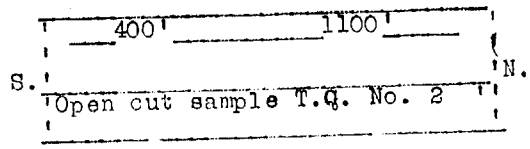
At the time of the examination of the Tungsten Queen property, the bottom of a ten foot shaft on the No. 3 claim was under water from recent rains, so an inspection of the vein in the bottom was not possible. Ore said to have come from the bottom of this hole consists of a coarse grained grey granite impregnated with yellow tungstite. Analysis of a hand specimen of this ore showed a content of 17% tungstic acid.

The following samples were taken from the claims and at the points indicated in the diagrams:

SAMPLE NO. 1.

Assay: 21.56% Tungstic acid.

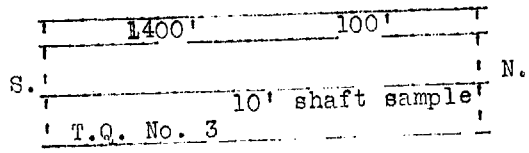
Length of sample cut; 18 inches.



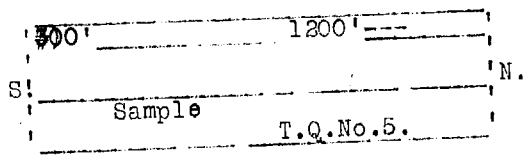
SAMPLE No. 2.

Assay 13.31% Tungstic acid.

Length of sample cut 20 inches.

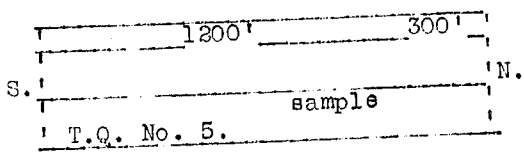


SAMPLE No. 3.
Assay: 11.98% Tungstic acid.
Length of sample cut 37 inches.



SAMPLE No.4.

Assay; 10% Tungstic acid.
Length of sample cut, 4 feet.



It appears from the assays that the ore is uncommonly rich. No development work has been done beyond that necessary for compliance with the laws regarding location and assessment.

On account of thevery small amount of development work done no estimate of any value can be made as to the amount of ore workable or available. However, considering the length, width and continuity of the out-croppings it is reasonable to expect that a large tonnage can be extracted at shallow depths or from those portions of the vein cutting through the ridges and above the bottoms

of the several gulches. The great length of the out-croppings is indicative of great depth. The out-cropping is unusually true, varying but little from a straight line and does not appear to be shifted or broken by faults.

TREATMENT. The ore is of a character that will yield readily to the ordinary and well determined methods of concentration. A reduction in size of grain to about 40 mesh is indicated by the fineness of the dissemination of the particles of the tungsten minerals through the gangue. The crushing can be best accomplished by Blake crushers and Ball mills. Subsequent concentration on Wilfley tables, Diester's slimers and Vanners should without difficulty accomplish a recovery of 70% of the metal contents of the ore. A higher recovery if desirable may be accomplished by close sizing and a more extended treatment of the same character.

RECOMMENDATION. Considerable quantities of ore can be readily and cheaply developed and made available for stoping by driving adit tunnels along the vein from points near the bottoms of the several gulches crossed by the vein. I recommend that this be done providing always that the market for the tungsten concentrates promises a profitable return. At present prices and a ready sale for all concentrates offered, the property should develop into a money maker.

Respectfully submitted,

Copy of report by R.D. Johnson E.M.

Phoenix, Arizona.
November 22,1916.

*