

### **CONTACT INFORMATION**

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#### ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES AZMILS DATA

PRIMARY NAME: TYONE MINE

ALTERNATE NAMES: CARTER CLAIM

COCHISE COUNTY MILS NUMBER: 669

LOCATION: TOWNSHIP 17 S RANGE 30 E SECTION 13 QUARTER SE LATITUDE: N 31DEG 56MIN 57SEC LONGITUDE: W 109DEG 13MIN 40SEC

TOPO MAP NAME: PORTAL - 15 MIN

**CURRENT STATUS: PAST PRODUCER** 

COMMODITY:

**TUNGSTEN** 

**BIBLIOGRAPHY**:

USBM REPORT FILE NO. 467, TUNGSTEN, SUMMARY REPORTS, ARIZONA, SUMMARY REPORT DALE NO 4 ADMMR TYONE MINE FILE CLAIMS EXTEND INTO T17S R31E SEC 18

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RECEIVED DEC 3 1 1953

DEPT. MINERAL RESOURCES

Mine Tyone Mining Co. Tungsten Operations

Date Dec. 9, 1953

PHUEP

District California (Chiricahua Dist.) Cochise Co. Engineer Axel L. Johnson

Subject: News Item

It was unafficially reported to me on Dec. 9th, that the Tyone Mining Co. was forced to suspend operations indefinitely on account of the fact that their pilot mill which they installed, employing dry table separation methods, was not able to make a satisfactory concentrate. Future operations of the company \*\* seemed to be a question of necessary finances required to install the type of tungsten mill that would be necessary to concentrate the ore to required specifications.

I have not been able to contact the officials of the company.

Itried to get up to their mine and mill on Dec. 9, but found the road had been closed.

(See my Nes Item of this company under date of Aug. 12, 1953)

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Tyone Mining Co. Tungsten Operations Mine

Dec. 9, 1953

District

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TYONE MINE Chiricahua District Cochise County

### For further information see:

## "ADAMSCABROBEREXX"xxEXLEx

"TYONE MINING CO. MILL" FILE

CARTER, W. H. (OWNERS)

5-14-53

Pima, Arizona

RIMA, AFIZON

DYKES, LELAND H.,

4831 Rubidoux St.,

Riverside, Calif.

MINE: TYONE MINE - Calif. Dist., (Chiricahua), Cochise Co. W.slope of Turkey Creek. 7 Unp. claims.

AESSEE: Tyone Mining Co., Box 698, Tyler, Texas Allen H. Smith, Portal, Ariz. - Mgr.

DYKES, LELAND H. (OWNER) et al Riverside, Calif. (4831 Rubidoux St.,)

MINE - TYONE MINE, California (Chiricahua) Mining Dist. Cochise Co.

LESSEE - Tyone Mining Co., Tyler, Texas
Allen H. Smith, Mgr., Portal, Ariz. 5-53

Mine Tyone Mine

Date Aug. 12, 1953

District California (Chiricahua) Dist. -- Cochise Co. Engineer Axel L. Johnson

Subject: Report of Mining Operations

References For Location, Number of Claims, Owners, & Geology--see my report of 5/14/53.

Lessees and Operators Tyone Mining Co., Tyler, Texas.
Allen H. Smith, Mgr., Portal, Ariz.

Minerals V Tungsten in the form of Scheelite.

Number of Men Employed

Production Rate No production yet. Operators are constructing a pilot mill.

Geology See Report of May 14, 1953. A number of veins have been explored, since date of said report, by means of open cuts and trenches. There are about 17 of these veins, from 2 to 9 ft. wide, with a strike of about N33 W, and a dip of 80 to 85 deg. to NE. These veins are almost parallel to each other, with about the same dip, and occur in silicified lime in a shear zone. This shear zone is about 350 ft. wide (in direction of strike\*N 33 W) and about 1000 ft. long (in direction-N 57 E). Veins may aver. 5 ' wide x 250 ' long.

Ore Values Sorted ore will run between 0.5 & 1.5 % WO3, and may average 1 % WO3.

Ore in Sight Operators have a stockpile of sorted ore of about 120 tons, running on an average of 1 % WO3, ready for milling. About 10,000 sq. ft. of veins have been proved up by trenching and outcrop sampling. The depth of these veins has, as yet, not been determined, and the aver. analyses of the ore is only approx. Conservative estimate---5,000 tons.

Probable Ore Estimate ----75,000 tons.

Milling Facilities Operators are now building a pilot mill. Mill consists of following: (1) 50 H. P. Elec. Generator, (2) 7'' x 10'' jaw crusher, (3) 12'' x 20'' horiz. rolls, (4) One 6' x 6' Dry Table (Sutton, Steele, & Steele, Dallas, Texas, Manf,), (5) Screens for screening crushed ore into 3 sizes--6 to 24 mesh, 24 to 48 mesh, & 48 to 100 mesh (minus 100 mesh rejected), and (6) 3 ore bins of 10 tons each--1 bin for each size ore. Mill will be run 2 shifts per day, and operators expect to mill 10 tons daily. Each size of crushed ore will be run over the table separately. Construction now about 1/2 completed.

Operators plan on constructing matheir permanent mill as soon as the results of the operation of their pilot mill has been proved to be satisfactory. Permanent mill will have primary and secondary crushers, rolls, classifying screens, ore bins, and 3 Dry Tables. It will also be equipped with a sorting belt, on which the plus 6 mesh ore from the primary crusher will be hand sorted. Capacity will be about 50 tons per 24 hr.

l shaft (incl. 80 deg.) --- 42 ft. deep. 18 in. of ore in shaft.

l open cut,(150 ft. NW of shaft)---10' x 10' x 14' deep. Ore 8 ft. wide.

l open cut (25 ft. NW of shaft) ---- 8' x 8' x 6' deep. Ore 4 ft. wide.

l open cut, 4' x 4' x 2. l open cut, 20' x 5' x 5' on 7' wide vein.

l trench, 50 ft. long, intersecting 4 veins, 5 ft., 3 ft., 7 ft, & 9 ft. wide.

l trench, 150 ft. long, intersecting 7 veins of varying widths. and 3 other

trenches further up the hillside, eachfrom 65 to 95 ft. long intersecting the same veins.

l trench, 40 ft. long, intersecting 3 more veins.

## DEPARTMENT OF MINERAL RESOURCES

### STATE OF ARIZONA

### FIELD ENGINEERS REPORT

Tyone Mine Mine

Aug. 12, 1953 Date

California (Chiricahua) Dist .-- Cochise Co. Engineer District

Axel L. Johnson

Subject:

Report of Mining Operations

References For Location, Mumber of Claims, Owners, & Geology--see my report of 5/14/53.

Lessees and Operators Tyone Mining Co., Tyler, Texas. Allen H. Smith, Mgr., Portal, Ariz.

Tungsten in the form of Scheelite.

Number of Men Employed

No production yet. Operators are constructing a pilot mill. Production Rate

See Report of May 11, 1953. A number of veins have been explored, since date of said report, by means of open cuts and trenches. There are about 17 of these veins, from 2 to 9 ft. wide, with a strike of about N33 W, and a dip of 80 to 85 deg. to NE. These veins are almost parallel to each other, with about the same dip, and occur in silicified lime in a shear zone. This shear zone is about 350 ft. wide (in direction of strike \*N 33 W) and about 1000 ft. long (in direction- N 57 E). Veins may aver. 5 ' wide x 250 ' long.

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Estimate ---- 75,000 tons. Probable Ore

Milling Facilities Operators are now building a pilot mill. Mill consists of following: (1) 50 H. P. Elec. Generator, (2) 7" x 10" jaw crusher, (3) 12" x 20" horiz. rolls, (4) One 6' x 6' Dry Table (Sutton, Steele, & Steele, Dallas, Texas, Manf,), (5) Screens for screening crushed ore into 3 sizes --- 6 to 24 mesh, 24 to 48 mesh, & 48 to 100 mesh (minus 100 mesh rejected), and (6) 3 ore bins of 10 tons each --- l bin for each size ore. Mill will be run 2 shifts per day, and operators expect to mill 10 tons daily. Each size of crushed ore will be run over the table separately. Construction now about 1/2 completed.

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1 shaft (incl. 80 deg.) --- 42 ft. deep. 18 in. of ore in shaft. Mine Workings

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Page 2

Mine Hillto Paradise District

Date May 14, 1953

District California (Chiricahua) Mining District

Engineer Axel L. Johnson

Cochise County

abject: Report of Mining Operations (continued)

Tyone Mine

The property is owned by Leland H. Dykes (5 claims) of Riverside, Calif., and W. H. Carter (2 claims) of Pima, Ariz. The property is leased by the Tyone Mining Co. of Tyler, Texas. Allen H. Smith of Portal, Ariz. is the mine manager for the Tyone Mining Co.

about 1% of WO3. Very small amount of ore is taken out at present, as the operators are engaged principally in exploration work in or der to develop some ore reserves for future mining operations. Several ore veins about 12 inches in width are found in the limestone formation, but only one of these veins is being explored at present. This vein has been opened up by a 20 ft. shaft and several open cut for a length of about 200 ft. The ore extracted is hand sorted by lamps at night into high grade, low grade and waster. A stockpile of about 120 tons has been accumulated to date.

Operators claim that they will have a mill installed in about 90 days for treating the ore from the mine. This mill will be a dry concentrator gravity type mill of 50 ton capacity. Mill will be located either at the mine or at San Simon.

Mine Tyone Mine

Date May 14, 1953

District California (Chiricahua Dist) - Cochise Co. Engineer Axel L. Johnson

Subject: Report of Mining Operations.

Location Sec. 18 -- T 17 S -- R 31 E and Sec. 13 -- T 17 S -- R 30 E.

On West slope of Turkey Creek. Drive north from Paradise for one mile, turn left and go 1/4 mile on mine road to property.

Number of Claims 5 unpatented claims owned by Mr. Dykes. 2 unpatented claims owned by Mr. Carter.

Owners Leland H. Dykes, 4831 Rubidoux St., Riverside, Calif. --- 5 claims W. H. Carter, Pima, Ariz. --- 2 claims.

Lessees and Operators Tyone Mining Co., Box 698, Tyler, Texas.
Allen H. Smith, Portal, Ariz., --- Manager.

Minerals Tungsten ore in the form of Scheelite.

Number of Men Employed 4

Production Rate Very small production at present. Operators are engaged principally in exploration work. Operators claim a stockpile of 60 tons of ore averaging 1 % or better, and one stockpile of 60 tons of ore running between 0.5 % and 1.0 % WO3.

Geology Veins in limestone rock. Vein, being explored is about 12 inches wide, strikes approx. N. & S., dips 80 deg. E. Vein composed of highly silicified vein material, containing irregularly distributed particles of scheelite, is being explored by means of a shaft, and several shallow open cuts for a length of about 200 ft. Property also contains several other veins, as yet unexplored. Three of these appear to be worthy of exploration.

Ore Values Operators report that the scheelite ore extracted from the vein assays from 0.5~% to 1.5~% of WO3., and that it may average around 1.0~%.

Ore in Sight Very little ore in sight as yet on account of too little exploration.

Operators report stockphiles of 60 tons of 1 % or better, and 60 tons of 0.5 % to 1.0 % ore/

Milling Facilities Operators claim that they will have a mill installed to treat this or in about 90 days. The mill will be installed either at the mine or at San Simon, probably at the latter location. Mill planned will be a dry concentrator gravity type mill of 50 ton capacity.

Present Mine Operation Exploration of vein by means of shaft and open cuts. Material removed from the vein is being hand sorted by lamps at night. Operators claim that 40 % of this material runs 1 % or better, 40 % runs between 0.5 % to 1.0 %, and the remaining 20 % is waste material below 0.5 %. Material sorted as high grade, low grade, and waste.

Present Mine Workings One shaft (80 deg. incl.) 20 ft. deep. One open cut 10 ft. deep. Several shablow open cuts.

Proposed Plans Continue exploration work. Mill construction in 90 days.