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08/19/86

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES FILE DATA

PRIMARY NAME: FERNSTROM MILL

ALTERNATE NAMES:

PIMA COUNTY MILS NUMBER: 570

LOCATION: TOWNSHIP 21 S RANGE 10 E SECTION 20 QUARTER SE  
LATITUDE: N 31DEG 35MIN 00SEC LONGITUDE: W 111DEG 20MIN 30SEC  
TOPO MAP NAME: ARIVACA - 15 MIN

CURRENT STATUS: PAST PRODUCER

COMMODITY:  
TUNGSTEN

BIBLIOGRAPHY:

USBM SUMMARY REPORT NO. 43, BY ROMSLO  
USBM REPORT FILE NO. 467, TUNGSTEN, SUMMARY  
REPORTS, ARIZONA  
ADMMR FERNSTROM MILL FILE  
ADMMR GRESCH MINE FILE



STATE OF ARIZONA  
DEPARTMENT OF MINES AND MINERAL RESOURCES

Mineral Building, Fairgrounds, Phoenix, Arizona 85007 • (602) 255-3791

FERNSTROM MILL

PIMA COUNTY  
ARIVACA DIST.  
T21S, R10E, Sec 20

MILS FERNSTROM'S TUNGSTEN MILL

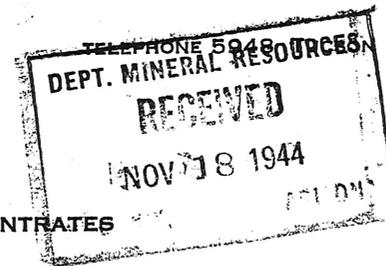
See: GRESCH MINE (file)

*San Luis Wash Tungsten Placers (file)*

NAME OF MINE: Fernstrom  
OWNER:

COUNTY: Pima  
DISTRICT:  
METALS: W

OPERATOR AND ADDRESS		MINE STATUS	
Date: 11/44	Fernstrom & Co., 164 S. Main, Tucson	Date: 11/44 3/46	Custom Milling Idle



# E. FERNSTROM

INDEPENDENT DEALER IN TUNGSTEN ORE AND CONCENTRATES

REPRESENTING METAL RESERVES

GENERAL OFFICE AND SAMPLING PLANT AT

164 SOUTH MAIN STREET

TUCSON, ARIZONA II/ 18/44

CONCENTRATOR  
MILL AND MINE  
ARIVACA, ARIZONA

Department of Mineral Resources  
Phoenix, Arizona.

Dear Mr. Dunning;

As per instructions I am mailing you my clame for adjustment by the contract termination administrator, and after reading this and digesting same will you please return it to me for correction, or if O.K. will you forward it on to destination.

I am enclosing one copy for you, one for Mr. Willis and one each for Mr. Broadgate and Senator Hayden.

Sincerely yours,

✓ *E. Fernstrom*

E. Fernstrom.

*P.S. I am enclosing settlement sheets to go along with my claim.*

# SELECTIVE SERVICE SYSTEM

PIMA COUNTY #2 LOCAL BOARD  
FEDERAL BUILDING  
TUCSON, ARIZONA  
(STAMP OF LOCAL BOARD)

November 16, 1943

Order No. 2962

Mr. George A. Ballam  
Arizona Department of Mineral Resources  
1042 North Euclid Avenue  
Tucson, Arizona

Dear Mr. Ballam

We have a registrant named Lester Gavin Fernstrom, order number 2962 who is said to operate a Tungsten Mine at Arivaca, Arizona and who requests deferment for himself as an essential mine worker. Mr. Fernstrom's Tucson Office is at 164 South Main Street where he or his Father operates an Essay Office and buys and sells. This Board would like to know some of the extent of Mr. Frenstrom's mining operation and whehter same work can be classified as essential.

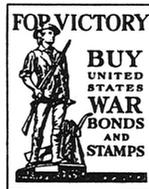
Yours truly

FOR PIMA COUNTY LOCAL BOARD NO. 2

W. E. Barnum, Chairman

By

  
C. J. Hellerstedt, Clerk



CJH/bec

FERNSTROM MILL

PIMA

Les Fernstrom, 718 W. Nevada, 294-5895, wanted late copy of Pay Dirt. He may build a tungsten mill at his property north of Arivaca. GWI WR 7/19/74

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REPORT OF MILLS - SOUTHERN DISTRICT (file)

FERNSTROM MILL

Tungsten

PIMA COUNTY

ARIVACA DIST.

Lester G. Fernstrom, 230 W. Kentucky, Tucson, Ariz.

Mill not now leased out, the former lease to Cordy C. Calvin  
(see report of 11/2/56) reported to be cancelled.

Mill has been idle most of the time since early this spring. On recent visit to the mill (July, 1957), Mr. Fernstrom indicated that the resumption of milling activities at the mill was questionable due to the discontinuation of the Govt. tungsten program, and the low price for tungsten on the open market.

July 24, 1957

Axel L. Johnson  
Field Engineer

DEPARTMENT OF MINERAL RESOURCES  
STATE OF ARIZONA  
FIELD ENGINEERS REPORT

Mine Fernstrom Mill

Date Nov. 2, 1956

District

Engineer Axel L. Johnson

Subject: Present Status. Information from Lester Fernstrom & Cordy C. Calvin & Pers. Visit.

Location On West Congress Street, Tucson, Ariz., Turn south, off ~~the~~ Congress St., just west of the Santa Cruz River bridge (about 800 West Congress), and drive south about 1/4 mile, passing the Tucson Pressed Brick Co. plant, and then turning to the right (west).

Owner Lester G. Fernstrom, 230 W. Kentucky, Tucson, Ariz.

Lessee and Operator Cordy C. Calvin, 159 W. Pennington, Tucson, Ariz.

Mill Capacity About 1 ton per hour. (25 tons per 24 hrs)

Ores Milled Tungsten ores, both scheelite and wolframite, hubnerite, ferberite.

Mill Equipment

- (1) One primary jaw crusher
- (2) One Herman Ball Mill
- (3) Two Tables (one in operation at present)

Number of Men Working at Mill 2 men, when mill is in operation.

Present Work Operator is now milling hubnerite and wolframite ores from the operators own mine, (Vindicator Mine), located near Las Guijas.

Custom Milling Owner, Cordy Calvin, plans to accept custom milling of tungsten ores. He states that he will mill tungsten ores, that are amenable to milling, at rates that will be determined after a sample has been submitted by the owner for a mill test. The minimum rate, however, will be \$10.00 per ton. This rate may run somewhat higher, if the ore is found to be hard to crush and mill.

DEPARTMENT OF MINERAL RESOURCES  
STATE OF ARIZONA  
FIELD ENGINEERS REPORT

Mine Fernstrom Mill at Arivaca

Date Mar. 21, 1955

District Arivaca District ----Pima County

Engineer Axel L. Johnson

Subject: Present Status. Personal Visit. Owner could not be located for consultation.

Location This mill was located about 3/4 miles west of Arivaca on the south side of the Sasabe Road, along Arivaca Creek.

Owner Owner of this mill was Lster Fernstrom, Arivac, Ariz.

Operator Operator of the mill was same as above.

Minerals Milled Mr. Fernstrom milled his own ore in this mill, from the Stewart mine at Las Quijas, and from the Les Jimfre mine near the Del Quivari guest ranch on the east side of the Baboquivar Mts.

Mill Capacity Mill capacity was about 1 ton per hour, and the mill was worked intermittently.

Mill Equipment The mill equipment consisted of a small crusher, ore bin, a Herman Ball mill, and one table.

Present Status On my visit to the mill on Mar 21, 1955, I found that the mill had been removed from its previous location. It had been dismantled and the milling machinery had been stored in the back yard of Lester Fernstrom residence in Arivaca. I did not find Mr. Fernstrom at home, but Mrs. Fernstrom informed me that the milling machinery is now sold, and that Mr. Fernstrom is quitting the mining business. I could not find out who bought the milling equipment.

DEPARTMENT OF MINERAL RESOURCES  
STATE OF ARIZONA  
FIELD ENGINEERS REPORT

Mine Fernstrom Mill at Arivaca

Date Aug. 4, 1953

District Arivaca District, Pima County

Engineer Axel L. Johnson

Subject: Field Engineers Report ---- Information from Les Fernstrom & Personal Visit.

Location About 3/4 miles west of Arivaca on the south side of the Sasabe Road along Arivaca Creek

Owner Les Fernstrom, Arivaca, Ariz.

Operator Same as above.

Minerals Milled Mr. Fernstrom is milling his own tungsten ore and is also milling some custom tungsten ores. Mr. Fernstrom gets some of his tungsten ore from the Stewart Mine at Las Guijas, and some from the Les Jimfre Mine, near the Del Quivari Guest Ranch in the Baboquivari Mts.

Number of Men Working Mill worked intermittently when they have ore to be milled.  
3 to 4 men

Mill Capacity About 1 ton per hour.

Mill Equipment Small Crusher, Ore bin, Herman Ball mill, and one Table.

Remarks Mr. Fernstrom sold his old mill at Las Guijas. Purchasers of same took the equipment to Mexico.

304 Home Builders Bldg.  
Phoenix, Arizona  
May 24, 1945

✓  
Mr. E. Fernstrom  
164 South Main Street  
Tucson, Arizona

Dear Mr. Fernstrom:

We are having some hearings on tungsten claims this weekend in Phoenix.

As soon as we get some idea of their attitude we will prepare an appeal on your case and send it down for approval.

Yours very truly,

Earl F. Hastings

EEH:LP

# DEPARTMENT OF MINERAL RESOURCES

## REPORT TO OPA ON ACTIVE MINING PROJECT

Date..... 1-30-45  
 Name of Mine..... ✓ Ferrisstrom & Co Mines  
 Owner or Operator..... ✓ Elmer Ferrisstrom  
 Address..... Hd. De Man, Mex  
 Mine Location..... Los Guijos and other areas, near Wellton

**Filing Information**

File System.....  
 File No.....  
 This chart to be used for gallons of gasoline required per month.

**PRESENT OPERATIONS:** (check X)

Production ; Development.....; Financing.....; Sale of mine.....;  
 Experimental (sampling).....; Owner's occasional trip.....;  
 Other (specify).....

**PRODUCTION: Past and Future.**

Tons

Approx. tons last 3 months.....  
 Approx. present rate per 3 months.....  
 Anticipated rate next 3 months..... 12000 # WO<sub>3</sub>  
 If in distant future check (X) here.....

**EQUIPMENT OPERATED:**

Type	Quantity or Horse Power	Miles or Hours Per Month	Gallons Required Per Month
Personal Cars	<u>10 Plymouth</u>	<u>800</u>	
Light or Service Trucks			
Ore Hauling Trucks			
Compressors			
Other Mine or Mill Eqpt.			

**PRODUCT PRODUCED OR CONTEMPLATED:** Name metals or minerals.

Magnetite ✓

**REMARKS:**

The Ferrisstrom is greatly expanding his Magnetite operation, shipping under contract

ARIZONA DEPARTMENT OF MINERAL RESOURCES

By

George A. Ballou

Senator Hayden

Nov 10/44

Mr. P. S. Ninkley  
Contract Termination Administrator,  
Washington D. C.

Dear Sir:

**loss**

I hereby submit my claim for financial loss caused by termination of my contract with Metals Reserve Company, as buyer for and seller to said Company during the tungsten program.

The facts and conditions are as follows, for several years from the first world war I have been dealing in tungsten ore and concentrates, buying same in small as well as large lots and selling the same to the Cleveland Wire Works as well as other consumers, who under contract paid me top prices for high grade concentrates, and there was never any penalties imposed for impurities.

In April of 1943 my contract was cancelled with Cleveland Wire for the reason that they were compelled to buy their requirements from the M.R.C.

At the time this contract was cancelled I had several tons of concentrate on hand that I had bought at the advanced price, and which was later taken by the Cleveland wire works, after a lot of correspondence and bickering with the office of M.R.C. and The Cleveland Wire Works, who accepted this lot of concentrates and paid me the \$30.00 price and did not deduct anything for impurities, fulfilling their contract with me which was made at the time of change in program when it was decided to advance the price from \$24.00 to 30.00 per unit to stimulate production of tungsten.

After my contract was cancelled with Cleveland Wire I was advised by M.R.C. that I would have to enter into a contract with them if I was to continue to buy and sell tungsten, therefore I went to Washington and did sign a contract to buy for and sell to M.R.C.

Before signing the contract I explained in detail the problem that I had as much that most of my customers were small producers, and would bring in lots from ten lbs, on up to two or three hundred pounds every week or month, most of them being prospectors who were trying to develop a supply of tungsten for the war effort, and if I was to require a full analysis for each lot delivered it would have been more in most cases than the total worth of the ore or concentrate delivered, because full analysis cost \$ 50.00.

After explaining my problem to different persons who were connected with the M.R.C. at that time I returned home being led to believe that some way would be worked out to take care of the impurity clause in the contract, and continued to buy from all small and qualified producers, and passing on to them the full benefit of the increase in price, and did not penalize them for any impurities.

Paragraph 14, of my contract would not let me as a dealer or custom miller increase my price for handling tungsten above the charge made previous to the increase in price to qualified producers, therefore I had to pass on to them all the benefits of the price increase, and had I known for sure that I would be penalized for impurities on delivery of the concentrates so bought and paid for I certainly would not have spent my time and operated my plant plus the investment of more than fifty thousand dollars most of which I borrowed from the bank and paid interest on, and had to wait for more than three months for settlement after I had made delivery to M.R.C.

I further invested more than two thousand dollars in equipment to take care of increased production when shortly after that my contract was cancelled with M.R.C.

I was never advised from the signing of my contract till the time I received settlements, on the shipments that I made that nothing had been done as to the impurity clause, but was penalized to the tune of \$ 3,637.98 and it is this amount that I feel is due me, not mentioning the other investments I made to help on the tungsten program.

On final settlement I received less than I had paid for the concentrates which I delivered plus all my time and overhead expense, my handling charges having been increased by higher wages, and costs for supplies above my old schedule for handling tungsten.

There is no way now for me to make up this loss by continuing in business as a dealer in tungsten because the price for tungsten is so low that all tungsten producers have closed the mines they were operating, and as I am getting to the age where I must let down, on hard work it is rather hard to think that my effort has been in vain as to the support of my family.

I have tried to give you the picture as fully as possible, and if there remains anything not fully explained I will cheerfully try to give you any further information desired.

I will appreciate your sincere consideration in this case and trust that it meets with your approval.

Very sincerely yours,

E. Fernstrom

C

December 2, 1943

Pima County Local Board No. 2  
W. E. Barnum, Chairman  
Federal Building  
Tucson, Arizona

Dear Mr. Barnum:

In reply to your request for information on occupational status of Lester Gaven Fernstrom, order No. 2962, this department furnishes the following information:

Mr. Fernstrom is engaged with his father, Elmer Fernstrom of Fernstrom and Company, Tucson, in the production of tungsten ore and concentrates. This company is and has been operating the Las Guijas Mine near Arivaca under supervision of L. G. Fernstrom and has recently purchased the General Electric Mine in the same vicinity, both tungsten properties. Work is in progress now to install a new rough concentrator there to replace the limited facilities hitherto existing for the preparation of a rough tungsten concentrate which is and has been cleaned to market specifications in the Tucson plant operated by the company. This company is now the largest producer of tungsten concentrates in Arizona since the closing down of the Borianna plant in Mohave County. Production is marketed under contract with Metals Reserve Company and General Electric Company. The product is essential to the war effort and in view of the existing plants to materially expand production, this department recommends that, pending the outcome, no change be made in status quo.

Yours very truly,

George A. Ballam  
Assistant to the Director

GAB:JES

**FERNSTROM & CO.**

INDEPENDENT DEALERS IN TUNGSTEN ORE AND CONCENTRATES

ANTIMONY - VANADIUM

LOS ANGELES OFFICE  
AND WAREHOUSE  
841 DUCOMMUN ST.  
PHONE MUTUAL 7115

GENERAL OFFICE AND SAMPLING PLANT AT

164 SOUTH MAIN STREET

TUCSON, ARIZONA 6/24/1943

CONCENTRATOR  
MILL AND MINE  
ARIVACA, ARIZ.Mr. J.S. Coupal  
413 Home Builders Bldg,  
Phoenix, Arizona.

Dear Mr. Coupal:

Enclosed you have the form filled out as per your request.

I might mention also that I have been able to get a satisfactory setup with Metals Reserve, after a lot of writing and arguing.

For the information of the pay dirt readers I want them to know that I want all the tungsten concentrates that I can get not only in Southern Arizona, but from anywhere there is any produced as I am getting shipments now from all of Arizona as well as some from New Mexico, Texas Nevada and other states as well.

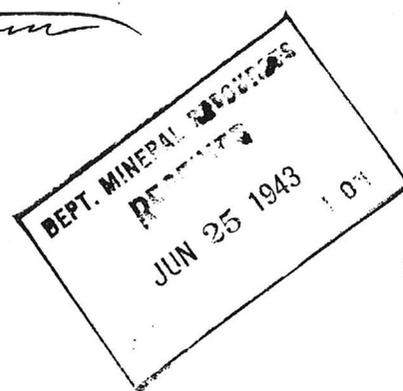
My cleaning plant is operating at about  $\frac{1}{2}$  capacity so I can handle a lot more than I have been receiving thus far.

No lots bared big or small.

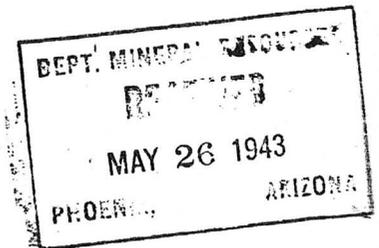
Yours very truly,

*E. Fernstrom*

E. Fernstrom.



May 25, 1943



Memorandum

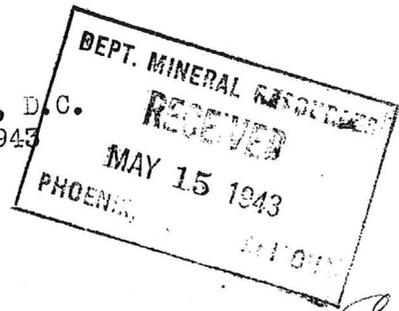
To: J. S. Coubal  
From: B. W. Brown  
Subject: Tungsten

Mr. Fernstrom who owns and operates the tungsten cleaning plant at Tucson stopped in Prescott today on his way to the Camp Wood and Black Pearl tungsten mining districts. He informed me that he had spoken briefly to you on his way through Phoenix. As you may already know, he has just returned from a thoroughly disgusting session in Washington D. C. The results of bureaucratic red tape, in this instance, will be the liquidation of the only small lot tungsten buyer in the state. Mr. Fernstrom is definitely "getting out" of ore buying.

He has, however, some idle tungsten milling equipment in the southern part of the state which he would like to set up and put in operation wherever it would do the most good. He was very much interested in the possibilities offered in the Camp Wood and Black Pearl districts. He mentioned shipments of stream-washed tungsten received from up there. The material was all in nugget form, with little or no fines, and particularly high grade. It seems to me that such an occurrence might well indicate the existence of tungsten placer ground in that area amenable to beneficiation by a milling operation such as Mr. Fernstrom would be prepared to set up.

*Barnes W. Brown*

Washington, D. C.  
May 13, 1943



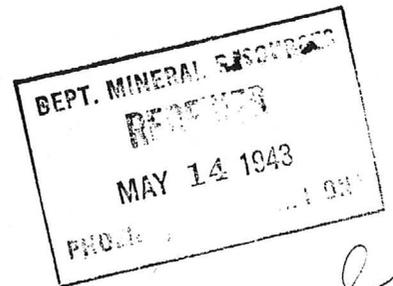
SUBJECT: Tungsten  
Fernstrom & Co.

Was with Fernstrom practically all day with Carlisle, D'Autremond, Gustafson, etc, and think he is happy.

He went back on the plane tonight. We had to compromise a lot of things, but he gets his \$30.00. I feel sure we have made a good friend.

W. C. Broadgate

Washington, D.C.  
May 12, 1943



SUBJECT: Tungsten, ✓  
Fernstrom, ✓  
Metals Reserve Agency project

I talked to H. DeWitt Smith and Carlisle about this... as ~~known~~ Carlisle wrote you, there will be no trouble that we can see about fixing Fernstrom up.

I have made an appointment for us tomorrow for 10:30. He arrived this afternoon.

Bill Broadgate

W

January 28, 1943

DEPT. MINERAL RESOURCES  
RECEIVED  
JAN 26 1943  
FROM: (Fernstrom & Co.)

Tungsten purchase station  
Tungsten purchase station  
(Fernstrom & Co.)

MEMORANDUM

To: Director, Dept. Mineral Resources  
From: George A. Ballam

Fernstrom has had some correspondence with Tungsten Branch, Metals Reserve Co., relative to setting up tungsten purchasing agency in Tucson.

He says he is perfectly willing to assume this work, but not on the proposed lines, whereby it will be necessary for him to finance himself. He does not want to have say \$10,000 of his own money tied up in ore or concentrates during processing. He wants to know whether he can operate with a working fund of government money as do the other agencies.

This seems to be his only objection to the proposed plan.

*George A. Ballam*