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03/02/90

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES FILE DATA

PRIMARY NAME: EL TIGRE MINE

ALTERNATE NAMES:

COCHISE COUNTY MILS NUMBER: 7

LOCATION: TOWNSHIP 17 S RANGE 30 E SECTION 21 QUARTER W2
LATITUDE: N 31DEG 56MIN 11SEC LONGITUDE: W 109DEG 17MIN 10SEC
TOPO MAP NAME: CHIRICAHUA PEAK - 15 MIN

CURRENT STATUS: PAST PRODUCER

COMMODITY:

LEAD
SILVER
COPPER
GOLD LODE

BIBLIOGRAPHY:

KEITH, S.B., 1973, AZBM BULL. 187, P. 52
ADMMR EL TIGRE MINE FILE

EL TIGRE

COCHISE

I drove to the El Tigre mill in Pinery Canyon of the Chiricahua Mts. The mill is owned by Tamco Mining and Milling Co., Dos Cabezas Route Willcox, Ariz., 85643. The mill was idle. According to Dave Baughman, mining engineer, there is about 50 tons of ore from the Hilltop mine at the mill. He did not say when or if it would be milled. He admitted that the company now had a good mill without any ore to keep it busy. The company apparently is not working the El Tigre mine. VBD WR 1/27/76

Mine visit - El Tigre mine. Mill visit - El Tigre mill at the site of the old Methodist Summer Camp. No activity observed. GWI WR 10/8/76

MG WR 5/29/87: Learned that Phelps Dodge drilled the El Tigre property (file) Cochise County in 1983.

EL TIGRE

COCHISE

I stopped at the El Tigre millsite, where a selective flotation plant is being built by Tamco Mining and Milling Co. I talked to Dave Baughman, a young mining engineer, at the plant site. Dave said that the company had acquired by lease and option the Hilltop mine and the King of Lead mine and have taken over the holdings of Nonco (Now or Never Mining Co.) at the El Tigre Mine. Baughman stated that McKenno, an officer in Nonco, was still associated with Tamco. Tamco had brought in a single phase power line and has recently paid the telephone company to bring in a telephone line. They have a new 125 KW diesel-electric standby power unit. They plan initially to handle about 50 tons of ore per day. They presently are reopening a "shaft" from the Blacksmith tunnel at the Hilltop mine. Ore encountered in the shaft assays 30 percent lead according to Baughman. Tamco also is developing a plan and will file application to the Forest Service for permit to construct a haul road around the Chiricahua National Monument boundary from the King of Lead mine. Access to this mine, a patented property, has been through the National Monument. The present administration at the Monument headquarters has notified the company that toll fees to haul ore through the monument will be \$93 per load. Baughman indicated that the Forest Service thus far has cooperated wholeheartedly with his company. The Douglas Ranger Station has control of this area. Baughman said ASARCO indicated they would be interested in purchasing the lead concentrates from the mill. He said he hoped that his company could make a deal with Tonto Mining and Milling Company to market their zinc concentrates.

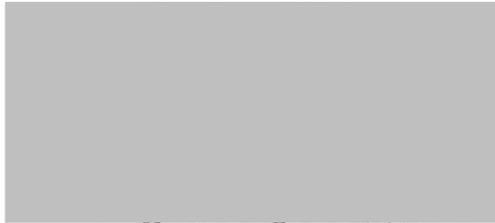
VBD WR 10/3/75

PAY DIRT for October 27, 1975

WP&M 10/75

The El Tigre mine was leased from Pursleys group by Nonco Mining Co., Star Route, Pearce, Arizona. They started expanding the lower tunnel but were stopped by the mine inspector. They also did some bulldozing and trac drilling on the vein but closed down for a variety of reasons. GWI AR 73-74

Went to El Tigre and Blacksmith Tunnel (Hilltop mine) where no one was working. Ralph Pursley in charge of work at both places says that the Blacksmith is closed until they can finance the mining of the lead ore in the shaft. He reported that Longyear was going to drill 2 holes into the El Tigre vein, that they were sampling the vein and if results were satisfactory the silica silver would be shipped to Douglas for flux. GWI WR 11/26/74



Western Prospector
& Miner, Jan. '75

Ralph Pursley is doing sampling work on the lead and silver - bearing El Tigre vein of the Hilltop mine in the Chiricahua Mountains of Cochise County. If results are satisfactory, the silica silver ore may be shipped to the Douglas smelter of Phelps Dodge Corporation for fluxing. It also is understood that the Longyear Company may contract drilling two test holes. PAY DIRT for January 27, 1975

El Tigre mine; no one around. According to Ralph Pursley they are planning to mine more material along the original vein. Mine visit at El Tigre mill site. Crusher and conveyors and stockpile at site of old Methodist Camp. GWI WR 3/19/75



Western Prospector &
Miner, June, 1975



A-41-1

LOOKING EAST FROM ONION PASS (NEAR EL TIGRUE

1950



4
1941 Report
ET.

Report on the Arizona - El Tigre Claims *Sec 28, T175 R 30E*
Pinery Canyon, California Mining District
Chiricahua Mountains, Cochise County, Arizona

Introduction

These claims, eleven in number, have a general southeasterly trend, are located end to end and are numbered from 1 to 11. The number one claim is located over the vein where it crosses the road going up Pinery Canyon about one mile above the Y. M. C. A. camp.

It is claimed by the owners, Willard Samson and John S. Smith, that a vein runs on the center line of these claims for the total distance of 16,500 feet.

The examination showed that assessment work is in progress on the claims and that at present the property is a prospect on which very little work has been done. The vein is covered in many places by detrital material and can frequently be seen only at canyon bottoms or on ridges.

The distance to Rodeo, New Mexico via Union Saddle and Cave Creek is 28 miles.

To Douglas via El Frida and McNeal is 75 miles.

To Bowie it is 40 miles.

Geology

A series of tilted and somewhat twisted and altered sedimentary rocks (limestone-shales) have been cut by a steeply dipping wide shear zone which has been mineralized by a silica vein bearing small amounts of iron and silver sulphides. The width of the mineralization is from 6 - 14 feet and the dip is 70 - 75° to the southwest. The quartz vein is solid or shattered by past mineral movements and runs from wall to wall of the shear zone. The variable ore mineralization appears to be found for the full width of the quartz of the zone.

An alter basic igneous rock in the form of a dike touches the vein at numerous places.

Workings

The only two places where openings have been made on the vein is in the center of claim No. 2 and 100 feet from the end line of No. 2 in No. 3. These workings are 950 feet apart and the vein is tracable between these places and several hundred feet each way from them thus indicating an exposure of the vein in excess of a 1000 feet.

The cut in No. 3 is negligible as it represents less than two days work but samples taken here and listed elsewhere indicate the presence of the same character of mineralization as in No. 2 claim.

The vein runs up a 30° to 40° slope of the mountain between No. 2 and No. 3 claims and the difference of elevation is at least 500' between the cuts thus indicating that the vein will extend to considerable depth.

The cut in No. 2 claim has opened up the 6 to 8 foot wide vein for a length of 20 feet of which 10 feet is in a tunnel. The vein has been exposed for a depth of 8 or 9 feet. In so far as it is possible to judge on such meger evidence the leaching of the vein has taken place to a shallow depth only. The sulphides are close to the surface and the Argentite and Pyrite are in small crystals and particles scattered in groups irregularly in the white quartz as dark discolorations. The Argentite may be secondary in which case it may occur only as a narrow band below the surface and the primary mineralization would then be too low grade.

Samples taken here of the high and low grade ore piles as well as of various exposures on the vein are given below. All of the samples show fair values of gold and silver and from this it is judged that the vein is worthy of having more work done on it. A more careful examination of the

property for extensions of the vein and sampling should be done.

Conclusions & Recommendations

Sufficient encouragement has been found in the results of the limited amount of work and sampling of the vein to warrant further extensions of present openings and the starting of new ones.

The favorable factors are:

1. The vein is long and wide and indications point to the chance that it will go to considerable depth.
2. Practically everywhere along the outcrop where the vein was broken into by chipping it showed evidence of mineralization.
3. The results of the sampling showed fair values of gold and silver.
4. It is indicated that should the vein prove to be valuable at all it will have both shipping and concentrating ore.
5. The terrain is so steep that tunnels driven on the vein will gain depth rapidly.

The unfavorable factors are:

1. No important mines have been found in the Chiricahua Mountains.
2. Such ore mineralization which has been found has proven to be shallow, bunched and scattered.
3. Secondary enrichment of the silver in the vein may turn out to be just a narrow band below the outcrop and the primary mineralization too low grade to make ore.
4. The ore may prove to occur in lenses or shoots which are too small or too few in number to make a profitable venture.
5. The samples are too few in number to be completely indicative of an average for the vein.

It is recommended that \$4,000.00 to \$5,000.00 be spent on the vein to prove or disprove its chances of becoming a mine. If indications result which justify the belief that a mine can be developed further work will be necessary to block out the ore.

It is also recommended that the allotted money be spent on the vein and not, as is so frequently done with small prospects, on roads, bunk houses and other incidentals.

No.	<u>Samples</u>					<u>Remarks</u>
	<u>Au.</u> <u>Oz.</u>	<u>Ag.</u> <u>Oz.</u>	<u>Au.</u> <u>¢</u>	<u>Ag.</u> <u>¢</u>	<u>Total</u> <u>¢</u>	
1	.23	71.4	8.05	50.69	58.74	3 Ton pile at #2 Cut
2	.05	8.4	1.75	5.96	7.71	10 Ton pile at #2 Cut
3	.07	20.5	2.45	14.56	16.91	Parallel vein at #2 Cut
4	.07	21.4	2.45	15.19	17.64	Across 4' of vein at #3 Cut
5	.22	72.4	7.70	51.40	59.10	Across 7' of outcrop at #3 Cut
6	.06	16.7	2.10	11.66	13.96	Winze at #2 Cut
7	.04	11.4	1.40	8.10	9.50	Leached shattered quartz in ledge
8	.06	22.7	2.10	16.26	18.36	4' Solid ledge matter at #2 Cut
9	.03	7.4	1.05	5.25	6.30	Narrow cut in bottom of #2 Cut

Silver is taken at \$0.71 and gold at \$35.00 per oz.

CT:BD

February 17, 1947

<u>Date</u>	<u>Tons</u>	<u>Az. Oz.</u>	<u>Ag. Oz.</u>	<u>Az.</u>	<u>Ag.</u>
2-16-42	3.227	.13	36.0	.4195	131.2
3-31-42	.496	.42	119.4	.2083	69.2
5-4-42	1.358	.47	132.4	.6383	179.8
5-18-42	1.6965	.46	137.9	.7821	233.9
5-18-42	1.375	.06	25.5	.0325	35.1
5-23-42	.8065	.09	30.4	.0726	24.5
6-5-42	3.610	.40	125.1	1.1472	452.6
6-25-42	5.7305	.11	32.6	.6304	186.8
6-27-42	3.0895	.28	79.1	.8651	241.4
7-18-42	3.7965	.17	42.8	.6454	182.5
8-31-42	1.81	.15	49.6	.2715	89.5
9-15-44	1.2375	.10	26.4	.1238	32.7
	<u>28.241</u>	<u>.719</u>	<u>61.4</u>	<u>6.1950</u>	<u>1817.7</u>

- c. All the mine workings are in good condition and accessible.
- d. General features of deposit:

This ore deposit was discovered in 1941 by the applicant and apparently was not known by others before then. It seems that during the summer of 1941 when the applicant and his partner were working other base metal claims high on the Chiricahua Mountains, they chanced on finding a metal bearing boulder in Pinery Creek when the water was higher than normal. They took the specimen, broke it into smaller pieces and submitted it to Wexley and Wexley, assayers at Douglas, Arizona. An unbelievable amount of silver, 600 ounces, was recorded. Neither the applicant nor the assayer believed each other. Nevertheless, the applicant then attempted to find the outcrop from which the silver ore came. Although there have been no 600 ounce samples, it is believed that the applicant has found the vein. Applicant has made some small shipments that assayed over 100 ounces per ton.

The ore deposit is in rather a rugged country, with steep hill slopes that are covered with pine and oak. Although the quartz vein, which in places measures 25 feet thick and can be traced for considerable distances, is covered with sod. Applicant has spent considerable money trying to find an ore shoot along the vein. Most of the vein is mineralized, but low grade, and to find a high grade shoot requires lots of surface trenching and digging. From what little can be seen it is believed that applicant is now near one of the high grade shoots that can occur in this type of mineralization.

Only a little information can be obtained on the geology because of the scanty amount of crosscutting and the overburden. It appears however that a large quartz vein approximately 25 feet thick may have followed a fault fracture in older Mesozoic volcanics and which was covered by younger (Tertiary) volcanics. In the vicinity of the property along Pinery Creek the young volcanics have been

The mineralogy is typically Tertiary and epithermal, similar to the argentite-gold deposits described by Spurr from the Tonopah mining district of Nevada. One of the most important features that distinguish this type of mineralization is the character of the quartz. Picking up specimens of ore, one is struck by the closely banded texture of the quartz with dark ribbons of sulfide following the crystallites. Conch structure and crustification are common features. Calcite is present and has been replaced by quartz.

The dark fine-grained blotches in the white quartz apparently contain argentite. However, small specks of pyrite, chalcopyrite and galena were observed under the lens. Also a little ruby silver was identified.

On top of the ridge the applicant found some specimens of free gold by breaking off the outcrop. I have one of these specimens, as well as Mr. Roy Moore of the Coronado Copper & Zinc Company. The outcrop is indistinct and the particular small ledge from which the specimens were broken off could not be found in the short time I had for the examination. But they can be found.

There is no assurance that a bonanza stope may be found, but there certainly are mineralogical characteristics that might lead to one with a little work.

NAME OF MINE: ✓ EL TIGRE		COUNTY: Cochise	
OWNER:		DISTRICT: ✓	
		METALS: Pb, Ag	
OPERATOR AND ADDRESS		MINE STATUS	
Date:	✓ W. Samson, 14th & G Sts.,	Date:	
11/44	Douglas	11/44	Shipping
		6/46	Developing

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
FIELD ENGINEERS REPORT

Mine El Tigre Mine

Date Feb. 15, 1956.

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

Subject: Present Status

Location Chiricahua Mts.

Owner W. Samson, 14th and G Streets, Douglas, Arizona.

Principal Minerals Lead and Silver.

Present Status Assessment work being kept up by the owner, Mr. Samson.
No other work reported.

Note Same ownership as reported in June, 1946.

Ralph Pursley says that he is building a road with a bulldozer to the El Tigre Mine (Pinery Canyon, Chiricahua Mts., Cochise County). Prospecting for silver. El Tigre used to be known as the Lucky Strike and has a 500' tunnel with 350 raise to surface, with 150 drift off the raise about $\frac{1}{2}$ way up.

GWI WR and Note (9/20/65)

Reported that Mr. Pursley was trying to ship a carload of ore from the El Tigre mine - no confirmation.

GWI WR 2/4/66

Ralph Pursley is reported to be doing a little work at the El Tigre.

GWI Quarterly Report 3/1969

DEPARTMENT OF MINERAL RESOURCES

REPORT TO OPA ON ACTIVE MINING PROJECT

Date 3/22/45
Name of Mine El. Type
Owner or Operator W. D. Danson
Address 14 1/2 + Blue Douglas
Mine Location

Filing Information

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

PRESENT OPERATIONS: (check X)

Production [checked]; 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
If in distant future check (X) here

EQUIPMENT OPERATED:

Table with 4 columns: Type, Quantity or Horse Power, Miles or Hours Per Month, Gallons Required Per Month. Includes rows for Personal Cars, Light or Service Trucks, Ore Hauling Trucks, Compressors, and Other Mine or Mill Eqpt. Handwritten note: 475 gal per mth.

PRODUCT PRODUCED OR CONTEMPLATED: Name metals or minerals.

[checked] Lead silver

REMARKS:

ARIZONA DEPARTMENT OF MINERAL RESOURCES

By George A. Sullivan

DEPARTMENT OF MINERAL RESOURCES

REPORT TO OPA ON ACTIVE MINING PROJECT

Date..... 10-13-44
 Name of Mine..... El. Type
 Owner or Operator..... W. A. Sampson
 Address..... 142 1/2 S Sts Douglas
 Mine Location..... Cherokee Mt

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 12
 Approx. present rate per 3 months
 Anticipated rate next 3 months
 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	Approx 40	800	
Light or Service Trucks			
Ore Hauling Trucks	20		
Compressors			225
Other Mine or Mill Eqpt.			

PRODUCT PRODUCED OR CONTEMPLATED: Name metals or minerals.

Lead, silver

REMARKS:

This application was made about 10-3-44 and tentative approval was pending collection of this data

ARIZONA DEPARTMENT OF MINERAL RESOURCES

By..... George A. [Signature]

W no from

4-12-74

*gw
R*

JERRY W. IRVIN
Field Engineer
Department of Mineral Resources
STATE OFFICE BUILDING, TUCSON, ARIZONA

TO: EL TIGRE

NONCO

Now OR NEVER CO.

Star Rte Pearce 85625

Ralph Purley Supt.



DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
FIELD ENGINEERS REPORT

Mine El Tigre Mine Date Feb. 15, 1956.
District California (Chiricahua) Dist., Cochise Co. Engineer Axel L. Johnson
Subject: Present Status

Location Chiricahua Mts.

Owner W. Samson, 14th and G Streets, Douglas, Arizona.

Principal Minerals Lead and Silver.

Present Status Assessment work being kept up by the owner, Mr. Samson.
No other work reported.

Note Same ownership as reported in June, 1946.

ARIZONA DEPARTMENT OF MINERAL RESOURCES
Mineral Building, Fairgrounds
Phoenix, Arizona



- 1. Information from: Ralph Purvisley & Mine Visit
Address: _____
- 2. Mine: EL TIGRE 3. No. of Claims - Patented _____
Unpatented: ?
- 4. Location: ~~Here~~ ~~see~~ Approx 1 mile W. of Onion Saddle
- 5. Sec Unsurveyed Tp 17 S Range 29 E 6. Mining District _____
- 7. Owner: R. Purvisley & Several others
- 8. Address: ~~Des Co~~ Willcox Via Dos Cabezas
- 9. Operating Co.: NONCO
- 10. Address: See Az Range News Vol 90 No 32 11/18/73
- 11. President: _____ 12. Gen. Mgr.: _____
- 13. Principal Metals: Silver ~~Ag~~ 14. No. Employed: 0
- 15. Mill, Type & Capacity: _____
- 16. Present Operations: (a) Down (b) Assessment work (c) Exploration
(d) Production (e) Rate _____ tpd.
- 17. New Work Planned: Not working at time of visit.
- 18. Misc. Notes: Note a 300' drift or lower tunnel was driven on the the lower end of vein & is reported to have a raise extending to the upper tunnel no estimate was given of the level interval probably 150' to 200'

Date: 3-27-44

[Signature]
(Signature)

(Field Engineer)