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02/28/95

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES FILE DATA

PRIMARY NAME: THUNDERBIRD CLAIMS

ALTERNATE NAMES:

PERALTA  
COLEMAN PROPERTY  
OWEN ADAMS CLAIMS

MARICOPA COUNTY MILS NUMBER: 545

LOCATION: TOWNSHIP 6 N RANGE 3 E SECTION 36 QUARTER NW  
LATITUDE: N 33DEG 49MIN 23SEC LONGITUDE: W 112DEG 00MIN 37SEC  
TOPO MAP NAME: NEW RIVER SE - 7.5 MIN

CURRENT STATUS: DEVEL DEPOSIT

COMMODITY:

COPPER OXIDE  
GOLD  
IRON HEMATITE  
MERCURY

BIBLIOGRAPHY:

USGS NEW RIVER SE QUAD  
ADMMR THUNDERBIRD CLAIMS FILE

THUNDERBIRD CLAIMS

CAVE CREEK, MARICOPA COUNTY

John D. Coleman reported that the old workings on the Owen Adams (Peralta) claims (purchased by Coleman recently) had been repaired. He said the vein ranged from 2 to 6 feet wide and was composed of iron oxides carrying copper and gold values and some platinum. He plans to work the copper gold if he is unable to turn the property. These workings lie on a strong fracture zone which trends NE and is nearly vertical. Several shafts have been sunk on this over a length of 1000 feet. The old Peralta workings are at least 150' deep.

MEMO - LEWIS A. SMITH - 2-2-62

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WR GW 12-7-77-Pat Padilla, Phoenix, came in to learn how to stake a claim, saying he had found the Lost Dutchman and the Peralta mine. He wants to protect the area by staking 4 claims and recovering the artifacts for their historical value. 12-13-77 bh

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DEPARTMENT OF MINERAL RESOURCES

STATE OF ARIZONA

FIELD ENGINEERS REPORT

Mine Thunderbird Mine

Date September 16, 1961

District Cave Creek District, Maricopa Co.

Engineer Lewis A. Smith

Subject: Mine Visit.

Mr. Coleman has made several bulldozer cuts west and northeast of his shaft. One of these is 200 feet long and a few feet up to 10 feet deep. This cut shows considerable veining of copper oxides in the laminae of the schist. The other cuts mainly crosscut minor copper oxide bearing veins. Coleman has been cleaning out an old shaft but has not reached bottom although he is now down 75 feet. He is in a yellow-red iron oxide which carries gold, silver and a little quick-silver. A few small pockets of high grade ore have been found, according to Coleman. Two areas now appear to be most prospectable. One near the shaft has much iron stain and boxes which indicate copper. Another 1000 feet northwest of the old shaft shows a fairly wide but lenticular vein, which might be developable.

*Actual 10-1961*

**DEPARTMENT OF MINERAL RESOURCES**  
**STATE OF ARIZONA**  
**FIELD ENGINEERS REPORT**

Mine    Thunderbird Mine

Date    June 5, 1961

District    Cave Creek District, Maricopa Co.

Engineer    Lewis A. Smith

Subject:    Interview with J.D. Coleman, Owner.

Mr. Coleman is still cleaning out an old shaft, and is now down 70 feet. He has been following an old pipe line and has thus far failed to reach the bottom. The shaft, according to him, is following a well defined fracture which is accompanied by a wide gouge zone (width as yet uncertain) which in turn is heavily saturated with red limonite. This zone contains podlike bunches of chalcocite which at 70 feet is still strongly oxidized in places. Malachite, cuprite and chrysocolla are the copper oxides. The red limonite carries a little gold but a yellow limonite in the footwall assays better gold, carries some quicksilver, but is low in copper content. Certain cellular boxworks seen in a suite of specimens are indicative of chalcopyrite and some bornite. On the whole this capping holds some promise in depth. According to Coleman, the copper bearing bunches are increasing in size with depth. The mineralized zone is traceable for a considerable distance (more than 2000 feet) without noticeable disjuncting even though it is crossed by at least 3 transverse faults. The zone is penetrated by several old shafts, the deepest according to Coleman, being over 200 feet. All of these, except the present working shaft, are in bad condition, but can be entered with extreme caution. According to Coleman, he has been down into the old Paralta shaft to 200 feet, but without a great deal of repair work, he would not try it again. He stated that he had found one stringer (2-6 inches wide) which contained good gold values and another band which carried considerable oxide copper. The oldtimers stopes sporadically up to 10 feet of width in places. The stopes are irregular and are, in places, partly gobbled. Mr. Coleman has found copper values in several places in the claims, but he thinks these appear to be lenses which are controlled by cross structures. The Pre-Cambrian intrusives and schist structure variably trends NE-SW while the later fracturing trends NW-SE.

4 THUNDERBIRD MINE

720  
MARICOPA COUNTY  
CAVE CREEK

J. P. Coleman brought in specimens from the Thunderbird Mine, Cave Creek. These represented copper iron gossans and were predominately indicative of pyrite. Coleman stated that the area from which these came carried some quicksilver (around 3 pounds to the ton). He continued the sinking of a prospect shaft which is now 75 feet deep.

LEWIS A. SMITH, Weekly Report - 2-3-61

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# DEPARTMENT OF MINERAL RESOURCES

STATE OF ARIZONA  
FIELD ENGINEERS REPORT

Mine Thunderbird Mine

Date December 19, 1960

District Cave Creek, Maricopa County

Engineer Lewis A. Smith

Subject: Interview with A. C. Coleman

Mr. Coleman has now taken up 24 claims and has done the work on all of them. He has made several bulldozer cuts and sunk several pits. He states that he has come up with two areas, the first of considerable extent. This zone carries from 1 up to 4% copper along with some gold and silver. The second zone along a strong fissure vein, shows good quicksilver ( 3 to 8 pounds per ton) along with gold values. The first zone lies in the higher western portion of the property. The second zone extends on a N 20° E trend for at least 3000 feet. The mineralization is pockety, or in fairly long, narrow lenses in the fault. He plans to further develop the west or copper zone by trenches. Often the copper values do not outcrop but are encountered at 2-5 feet below the surface.

✓  
PERALTA MINE

CAVE CREEK

✓  
Mr. Owen Adams was in relative to his Peralta Mine, Cave Creek. He wanted data on what type of equipment would best suit his gold ore. Since the gold is, so far, affiliated with hematite and limonite and is free, it was recommended that he consider grinding, screening, and amalgamation. Since there is 3-5 lbs. of quicksilver in part of the ore, the problem may be complicated by the presence of a natural amalgum, a condition which he strongly suspects from his tests. He also reported that he had some 4 feet of siliceous copper ore.

L. A. SMITH  
Weekly Report  
7-9-58



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L. A. SMITH  
Weekly Report  
7-9-58

DEPARTMENT OF MINERAL RESOURCES

STATE OF ARIZONA

FIELD ENGINEERS REPORT

Mine **Thunderbird Mine**

Date **March 31, 1958**

District **Cave Creek District**

Engineer **Lewis A. Smith**

Subject:

**Location:** 4 miles west on New River Road, thence 1 mile north.

**Owners:** J. D. Coleman, 2605 W VanBuren, Phoenix  
✓ Owen Adams, Partner - same address

The deposit lies in a sericitic schist belt intruded by diorite dikes and masses. A strong shear fracture traverses the schist for 2000 feet in a N 20° E strike. The shear mineralization is from 2 to 10 feet wide and consists of limonite with some manganese. The principal values are gold with localized areas containing oxidized copper minerals and from 2-4 pounds of Hg per ton in certain places.

In such deposits quicksilver values under 7 lbs. to the ton are considered by many, to be uneconomic, but gold values up to \$20.00 might make the better portions of the zone workable. The manganese lies along side of the shear zone, particularly along the SW half. There are localized spots which run up to 20% of MnO<sub>2</sub>.

The property is open to lease on a royalty basis.

# DEPARTMENT OF MINERAL RESOURCES

STATE OF ARIZONA

## FIELD ENGINEERS REPORT

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# DEPARTMENT OF MINERAL RESOURCES

STATE OF ARIZONA

## FIELD ENGINEERS REPORT

Mine Thunderbird and Peralta Mines X  
(Adjoining Properties)

Date November 18, 1957

District Cave Creek District (S W Portion) Maricopa Co. Engineer Lewis A. Smith

Subject: Examination of Property

Location: 5 miles due west of the town of Cave Creek  
Sec. 27, 34, T 6 N, R3E 1 mile north of New River - Cave Creek Road.

Owners: Thunderbird: (John D. Coleman, 2605 West Van Buren St. Phoenix)  
Peralta: (Owen R. Adams, 2605 West Van Buren St., Phoenix)  
These men are now partners.

Work: Peralta Mine: A deep shaft, on the south end of Main Vein, is 385 feet deep, and is water filled up to 128 feet. Considerable stoping for gold ore is evident near to the surface. Several cross-cuts into walls of vein were run many years ago. From this shaft, northeastward, are several other shafts which are, respectively, 65, 100, 135, and 65 feet deep. Some drifting has been done, along the vein, in the 100 and 135 foot shafts. The 65 foot shaft, (Coleman Property) on the northwest end, has connected with an old shaft which is believed to be about 180 feet deep and a drift is reported to connect with the 135 foot shaft. Work is now being done to open up the Coleman Shaft and to gain access to the drift. To the north and west of the Coleman Shaft are several shallow assessment shafts and cuts. On the second vein, which parallels the main vein to the northwest, two shallow shafts were sunk to a depth of 15 and 35 feet. The first shaft contains marketable manganese ore. Several shear zones have been transversely cut to shallow depths.

Geology: The area is one of Pre-Cambrian schists intruded by wide dikes of diorite porphyry. The schist laminations and veins trend N 35-40°E and vary, in dip, from vertical to 80°NW. The diorite porphyry dikes trend NE - SW at nearly the same strike as the schistosity, but trending N 20°E in the north part of the area. The shear zones parallel the schistosity. Two notable transverse faults cross the middle of the north half of the area.

The mineralization along both veins is composed of copper oxide minerals (Malachite, Cuprite, and Chrysocolla) near the surface but, deeper, chalcopyrite and pyrite are more common. Gold is present with quartz and limonite, both prevalent. Cinnabar shows up in a zone of yellow limonite in finely laminated sericite schist which lies west of the main vein and is about 100 feet wide. The gold was originally associated with pyrite. The main vein is 5-6 feet wide, but bulges, locally, to as much as 10 feet. It has strong well defined walls, and the filling is composed of finely laminated schist with alternate bands of limonite, hematite, quartz, and copper oxidized minerals. The very thin laminated schist has local areas which show "Cupritic" limonite in between the laminae, along with some gold.

The main vein shows considerable gold down for 385 feet down at the southwest end. Copper averaging 3.5%, parallels the main gold seams. Some portions of the gold area are said to have assayed \$60.00 up to several hundred in width, or 6 foot samples across the vein show from \$10.00 up TO \$30.00 in gold, and 2-3% of copper. Samples of the cuprite limonitic areas show 0.4 to 1.5% of copper which is mainly Cuprite in red limonite.

The Diorite-Porphyry weathers in spheroidal shapes along a conjugate fracture pattern. It is stained brown to yellow by limonite derived from the decomposition of the ferro-magnesian minerals and biotite. This rock has produced contact-metamorphism in the schist with the development of chlorite, epidote and some massive garnet. This contact zone is narrow and does not appear to contain much in the valuable minerals. However, the schist, near to it, shows evidence of copper-gold mineralization. The schist here has been intensely compacted to near slate, and it is in this belt that the "Cuprite" limonite areas appear.

Drilling seems to be demanded in order to economically prospect the ground, particularly to determine the downward strength of the fractures, how deep oxidation goes and the value of sulphides which may be present in marketable quantities. It is also advisable to test the thin laminated schists for deep copper mineralization. In view of the strong water flow in the shafts, drilling would be far less expensive than any other method, in view of present costs. With this in mind the property owners were referred to the Big Copper Companies. Miami Copper has had its geologists on the ground and A. S. & R. has expressed the desire to examine the area after Miami has decided what they wish to do.

Very good sericite mica was recently found on the Coleman Property and negotiations are under way to option this material to a syndicate interested in supplying paint manufacturers.

Red jasper bands parallel the schist laminae, especially in the coarser textured types.