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ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES AZMILS DATA

PRIMARY NAME: TOM AND DICK

ALTERNATE NAMES:
ARIZONA CENTRAL MINING CO.

YAVAPAI COUNTY MILS NUMBER: 1100A

LOCATION: TOWNSHIP 12 N RANGE 1 W SECTION 19 QUARTER E2
LATITUDE: N 34DEG 22MIN 05SEC LONGITUDE: W 112DEG 24MIN 20SEC
TOPO MAP NAME: BATTLESHIP BUTTE - 7.5 MIN

CURRENT STATUS: UNKNOWN

COMMODITY:
GOLD

BIBLIOGRAPHY:
LINDGREN, W. ORE DEPTS JEROME & BRADSHAW MTN
QUADS USGS BULL 782 1926 P 126
ADMMR TOM AND DICK FILE

ARIZONA CENTRAL MINING COMPANY

REFERENCES

YAVAPAI COUNTY
HASSAYAMPA DIST.
T12N R1W Sec. 19

Yavapai County MILS Index #1100A

AKA: Tom and Dick

USGS Bull. 782, p. 126

Battleship Butte, AZ 7.5' Topo (included in file)

Topographic map of a section of Arizona, showing terrain, roads, and landmarks. The map is overlaid with a grid. Handwritten text in the center reads "Ariz. Central Mining Co. T2N R1W Sec. 19". At the bottom, handwritten text reads "BattleShip Butte 7.5". The map includes features such as Spence Spring, Bodie Mine, Elouise Mine, Bodie Spring, Pine Mountain, and various trails and ridges. The map also shows contour lines and elevation points.

369

25' R 2 W R 1 W

374

372

360 000 FEET

688.2

24

Spence
Spring

10

6538

20

76218

SLM
1804

25

 $\times 5829$

x 5848

Elouise Mine

Gates
Spring

Prospe

Bodie Mine

100

x 5848

02

646.

x 5955

* 5865

36

6 / 62

५३

USLM
1550

3

Bodie
Spring

Good Pine Mountain

Pine
Spring

Battleship Battle 7.5

06212

May 27, 1957

✓
ARIZONA CENTRAL MINING CO.

YAVAPAI COUNTY

No information on this property. - Idle.

MARK GEMMILL

See: U.S.G.S. Bulletin #782 p 126

ARIZONA CENTRAL MINING COMPANY

The property of the Arizona Central Mining Company, consisting of twenty-three mining claims, is located in the Hassayampa mining district, in Yavapai county, State of Arizona, about twenty-one miles south east of the city of Prescott. The claims are all unpatented. The location, designated by the number 81, is shown on Plate II, which accompanies Bulletin 782, of the United States Geological Survey.

The county road known as the Senator Highway is used as far as Palace Station, which is approximately 1.7 miles from the lower camp on the company's Old Kentucky claim. From Palace Station to the lower camp is a passable road which should be improved before any volume of heavy hauling is undertaken. From the lower camp to the principal workings on the Mineral Hill and Tom and Dick claims, the company is now building a truck road.

At the lower camp there is a comfortable frame house, assay office, garage and stables. At the upper camp there is a frame boarding house and a log storehouse. At the old workings there is a small mill, not in good repair, and a combined boiler and hoist house. Near the new shaft there is a small shop for sharpening tools.

In addition to several springs on the property there is water in Crooks Canon, insuring an abundant supply for all camp purposes. As exploration is carried deeper, enough water will probably be developed for any milling requirements.

There is a fair stand of timber on the ground, consisting chiefly of pine, juniper and oak. The pine is suitable for mine timber but is not of long life underground.

The country rock is Yavapai schist and granite-gneiss, through which there are dike-like masses of diorite and quartz-diorite. This very complex formation is described, under the heading of "Crooks Complex" in the Bradshaw Mountain Folio U.S. Geological Survey Folio No. 126.

In the gold-quartz veins there are three varieties of quartz. Taken in the order of the relative abundance they are (a) dense, white, massive or "bull quartz"; (b) crystalline quartz, showing drusy and rare comb structure; (c) a massive, dense quartz of grey color and greasy appearance, in small, overlapping lenses.

The massive white quartz forms the most conspicuous outcrops but so far as is known carries little or no values. In width these outcrops may reach as much as fifteen feet. It is very hard and resistant to erosion. It breaks into coarse, irregular fragments, and except for iron oxide stains, seems to carry no mineral.

The crystalline quartz occurs in widths up to three feet and is closely associated with the first named variety. Examination of this material has shown visible grains of gold, unmistakably primary, gold bearing pyrite, an occasional crystal of galena and also minute grains of tetrahedrite.

An intermediate variety of quartz, crystalline in part, though showing some of the characteristics of the massive "bull quartz" is to be seen in the drift on the Tom and Dick vein from the tunnel north of the old shaft. It is often heavily stained by iron oxides and may contain moderate sized crystals of pyrite (rarely chalcopyrite) but does not carry any other ore minerals.

The third variety of quartz, the massive, greasy-textured quartz, is

Thin sheets of tourmaline-quartz, usually associated closely with the small lenses noted above, are reported to carry high gold values. This has not been verified by assay, though a panning of one such specimen did show a number of grains of gold.

Little silver occurs with the gold. So far all of the gold that has been extracted has been of a fineness of over 800.

In the further prospecting of the gold veins there are two places where it would seem advisable to do more work. The first is in the new shaft begun in 1930 and now sunk to a depth of fifty feet. The other is on the Bonnie Bell claim. These will be referred to later.

The most extensive development work on the property dates back to a number of years. It was done on the Mineral Hill claim. It consists of a vertical shaft 165-ft deep from which there is approximately 300-ft of lateral work, much of it not on the vein. All of this work is inaccessible now.

In the sinking of this shaft some ore was taken out which was put through the small two stamp mill. No record of the exact amount milled is available but it is known to be small.

More recently a tunnel was begun north of the shaft at a lower elevation on what was thought to be the Tom and Dick vein. After driving some 300-ft a crosscut of 200-ft was made to the east to the real Tom and Dick vein. This crosscut passed through the Yaller Gal vein at about 60-ft before it reached the Tom and Dick vein. A short drift was driven on the Yaller Gal vein. On the Tom and Dick vein a drift was driven south which does not reach a point abreast of the shaft by about 135-ft.

Some ten years ago, a large amount of work consisting of a long crosscut tunnel and some open cuts was done on the Joiner claim on the Yaller Gal vein. None of this work gained sufficient depth to be of much value. This vein is a copper vein and must be explored below the water level.

The most recent work (1930) is a 50-ft shaft on the Tom and Dick vein approximately 500-ft south of the original shaft. Various open cuts have been made along the strike of this vein to determine the width. These open cuts are about 150-ft apart.

Numerous open cuts, short tunnels and shallow shafts are on other parts of the property. They are partly or wholly closed. Some are reported to have carried good gold values, notably the Bonnie Bell tunnels.

To further explore the Tom and Dick vein the new shaft should be sunk at least another two hundred feet. The extent of the drifting would be determined by the results obtained but should be sufficient to thoroughly explore the vein along its strike.

It would seem to be well worth while to drive an adit on the Bonnie Bell vein, north of the location. No surveys have been made of the situation but it is believed that at least two hundred feet of depth can be had in from four to five hundred feet of drifting.

For the time being the prospecting should be confined to the gold-quartz veins as indicated above.

Phoenix, Arizona,
September 10th, 1930.

Respectfully submitted,

A. C. Flagg

ASSAYS

ARIZONA CENTRAL MINING COMPANY.

1. Shallow pit on T & D vein, south of new shaft, about 4-ft deep; across 10" on foot-wall side, - 2" brown jasperoid, 6" clay streaked schist, 2" red compact schist. 0.05 oz gold
2. Same location as No.1; across 30" of quartz in center of pit and east of No.1 0.04 oz gold
3. Same location as No.1; across 14" light colored schist with small quartz lenses. 0.07 oz gold
4. From pile of quartz on dump north of new shaft, representing about 35-ft of open cut along the strike, north and south of the new shaft, prior to sinking operations. 0.04 oz gold
5. Sample of separate pile of ore, representing 18" width of vein at point between 21 and 25 feet from collar of new shaft, where the vein changed its dip. 0.05 oz gold
6. Across 50" of white "bull quartz" on outcrop 20-ft south of the 4th Jennings stake, south of old shaft. (Stakes are at 50-ft intervals) 0.02.oz gold
7. From outer portion of Yellow Gal crosscut dump, from the last 10 feet of the 145-ft crosscut. 0.01 oz gold
8. From dump north of Bonnie Bell discovery; vein reported to be from 14" to 48" in 140-ft tunnel, now closed. 0.02 oz gold
9. From across 16" of outcrop about 20-ft south of the location on the Bonnie Bell. 0.38 oz gold
10. North drift at 50-ft level new shaft; 24" of quartz and schist alternating on f-wall side of streak about 40-in wide. 0.02 oz gold
11. Same locality as No.10; 18" of dark schistose material with greasy quartz lenses on hanging-wall side. tr gold
12. Across 14" of "bull quartz" in center of crosscut from the 50-ft level of new shaft. 0.02 oz gold
13. Across 18" white quartz in face of south drift from bottom of new 50-ft shaft. 0.14 oz gold
14. In open cut about 50-ft north of new 50-ft shaft or ft south of original shaft; 46" of vein with 2" quartz stringers. 0.01.oz gold
15. At open cut 175-ft south of old shaft, below new road; narrow quartz lenses in schist. 0.03 oz gold
16. Across full width of toe left in open cut, 150-ft south of old shaft, shows 14" greasy quartz on foot-wall 0.01 oz gold
17. At same location as No.16; schist next to the quartz streak in No.16. Tr gold
18. At same location as No.16; across 16" of schist on hanging-wall side with 2" quartz streak 0.01 oz gold

21. Same locality as No.19; across 30" of "bull quartz" lying next to No.20; no schist. 0.01 oz gold
22. Same locality as No.19; across 30" of schist with quartz lenses, next to No.21. 0.02 oz gold
23. From face of south drift on the 50-ft shaft. A new face about 3-ft in advance of No.13 2.01 oz gold
24. Across 30" "Bull quartz" in first cut to south of the new 50-ft shaft. 0.01.0z gold
25. Across 24" quartz in the face of the north drift of 50-ft level new shaft, about 8-ft beyond Samples 11 and 12. 0.03 oz gold
26. Across 8" of schist and quartz lenses on the east side of sample No.24. 0.07 oz gold
27. Across the full width of the north drift at the bottom of the 50-ft shaft, about 40" of vein. 0.05 oz gold
28. Across 5-ft in face of Yellow Gal drift from crosscut to the Tom and Dick tunnel. 0.02 oz gold
29. From the face of the drift on Tom and Dick vein in the T & D tunnel, width 5-ft 0.03 oz gold
30. From the face of the short north drift on the Tom and Dick vein in the tunnel of same name; width 48-in. 0.02 oz gold

Sample weights not less than 2-lbs to the foot.

Assayed in duplicate by E.A. Jacobs of Tucson, Arizona.

Phoenix, Arizona,
September 10th, 1930.

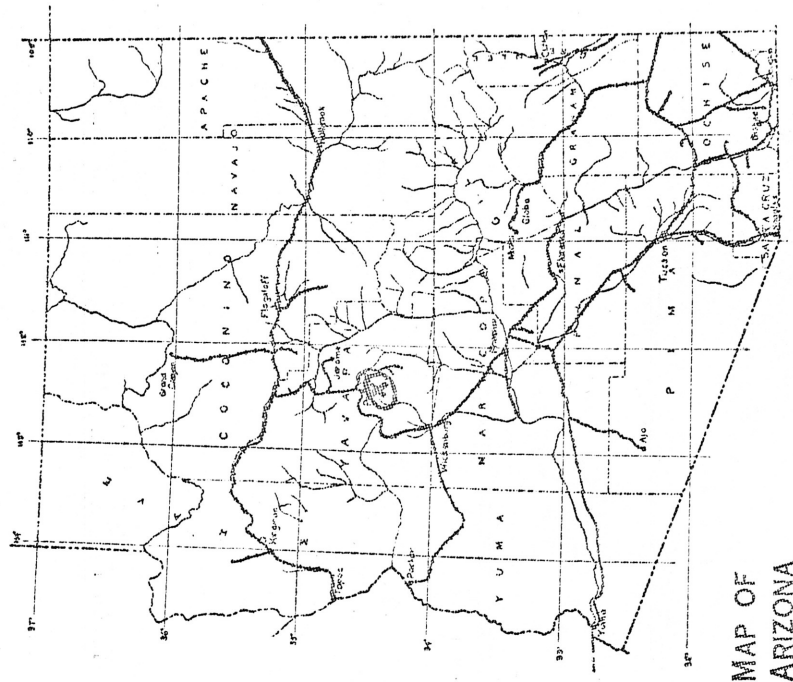
----- A. L. Flagg -----

See 29

IMPRINT MATERIAL {	PROPERTY <u>Arizona Central Mines</u> CARD _____	COUNTY <u>Yavapai</u>	TOWN {	DATE <u>10/5/27</u>	HAUL
	REPORTED BY _____			12 mis. south of <u>Prescott, Arizona</u>	
	INTERESTED <u>Chas. C. Miller, Prescott, Arizona</u>				
REF. _____					
HISTORY <u>Known as Zero Mine, and worked from 1890 to 1905. Present company incorporated under laws of State of Arizona, with 2,500,000 shares at 50¢ par</u>					
NO. CLAIMS _____ EST. ORE _____ ORE SHIPPED _____					
TOPOG. _____					
DESC. OF DEP. <u>Veins carrying Ag & Pb, owing origin to intrusion of granite and differentiation product. Strikes N 15° W, with dip varying from vertical to 80° W. Wall rocks of Yavapai Schist, granite, & porphyry</u>					
GEOLOGY <u>Yavapai Schist, Pre-Cambrian greenstone complex, intruded by a normal granite, contemporaneous with which intrusion a diorite grading into granite is found. Quartz porphyry later intruded the area as a series of dikes, with width of feet to 200 feet, and lengths of several hundred feet</u>					
MINING FACILITIES _____					
REMARKS _____					

ANALYSES		Cu.	Ag.	Au.	Pb.
Ni1	0.2	Ni1	Tr.	Ni1	Ni1
Ni1	38.14	Ni1	Tr.	Ni1	0.4
Ni1	0.27	Ni1	Ni1	Ni1	8.0
Ni1	0.25	Ni1	Ni1	Ni1	Ni1

TWP. 12 $\frac{1}{2}$ N R. 2 W SEC.



on file in the Newsclipping files @ the Bureau of mining
 there is a longitudinal Section thru the
 Skylock Shaft - Blueprint
 doesn't copy.