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ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES AZMILS DATA

PRIMARY NAME: MEX HILL

ALTERNATE NAMES:

MARICOPA COUNTY MILS NUMBER: 570C

LOCATION: TOWNSHIP 6 N RANGE 5 E SECTION*18 QUARTER W2
LATITUDE: N 33DEG 51MIN 51SEC LONGITUDE: W 111DEG 53MIN 25SEC
TOPO MAP NAME: CAVE CREEK - 7.5 MIN

CURRENT STATUS: PAST PRODUCER

COMMODITY:
GOLD LODE

BIBLIOGRAPHY:
ADMMR MEX HILL MINE FILE
WILSON E, CUNNINGHAM J, & BUTLER G AZBM
BULL 137 P 164 copy in this file.

36517 (N.A.)
HUMBERT

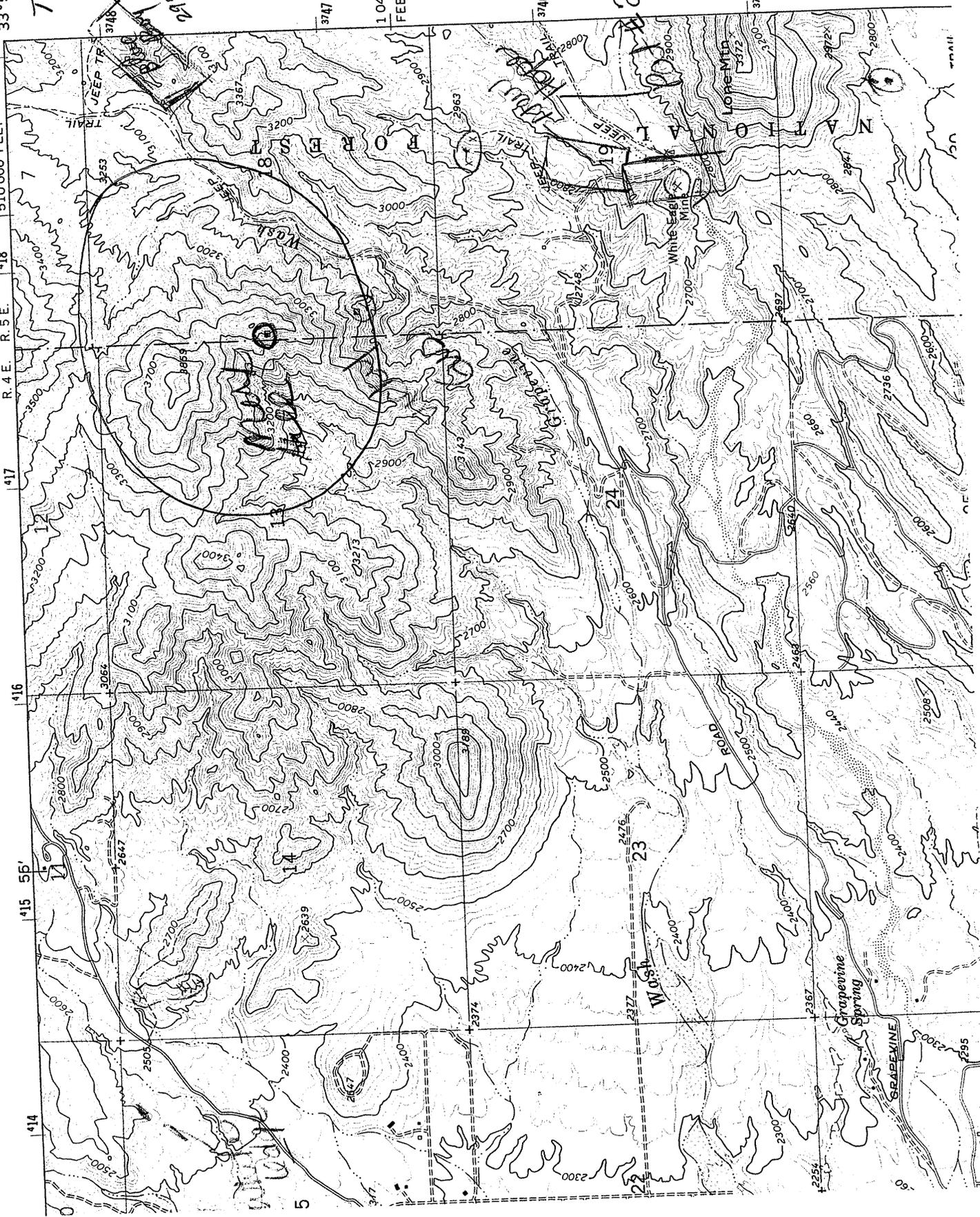
CAVE CREEK QUADRANGLE
ARIZONA - MARICOPA CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)

T6N
R5E
Sec 18W2

111°52'30"
33°52'30"

1:50,000 FEET

1:1,040,000
FEET



16

Cave Creek
Lone Mt

Grapevine Spring

GRAPEVINE

Wash

23

24

22

21

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19

18

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ARIZONA LODE GOLD MINES AND GOLD MINING

by

ELDRED D. WILSON, J. B. CUNNINGHAM, AND G. M. BUTLER

THE ARIZONA BUREAU OF MINES

BULLETIN 137

Revised 1967

THE UNIVERSITY OF ARIZONA
TUCSON

CAVE CREEK DISTRICT

The Cave Creek district is from 25 to 45 miles by road north of Phoenix. It is in a group of low, moderately rugged mountains composed of schist, gneiss, and granite and overlain on the north by volcanic rocks.

This district contains deposits of copper, gold, silver, lead, tungsten, molybdenum and vanadium, but only the copper and gold deposits have been notably productive. The gold production, which probably amounts to about \$250,000, was mostly made prior to 1900. During recent years, the district has yielded only a few thousand dollars' worth of gold.

The largest early-day gold producers of the district were the Phoenix and Maricopa properties, which are a few miles north of Cave Creek post office, on the gentle slope east of the main creek. Their country rock is altered schist, intruded by dikes of granite-porphry and rhyolite-porphry. The gold was apparently associated with fine-grained, grayish quartz in silicified brecciated zones of northward strike and steep dip.

The *Phoenix* mine was opened by several thousand feet of workings that are now largely caved but are reported to be distributed over a width of about 300 feet and to extend to a depth of 90 feet. According to A. S. Lewis,²²⁵ it produced about \$100,000 worth of bullion with a 20-stamp mill and, in the nineties, was equipped with a 100-stamp mill and a cyanide plant.

The *Maricopa* property, which joins the Phoenix on the south, is reported to have been opened by some 600 feet of workings that extended to a maximum depth of 100 feet. Its present owner, A. S. Lewis, states that, prior to 1900, it produced about 5,000 tons of \$15 ore. He states that the ore shoot was from 6 to 8 feet wide and contained, besides gold, about 0.5 per cent of molybdenum and a little vanadium.

The *Mormon Girl* mine, one mile south of Cave Creek, is on a notable old copper deposit that, in places, contained considerable gold. It is reported to have yielded three carloads of ore in 1931. According to A. S. Lewis,²²⁵ the ore from the 300-foot level contained 5 per cent of copper and 0.5 ounce of gold per ton.

The *Copper Top* mine, 2½ miles southwest of Cave Creek, is on a copper-gold-silver-lead deposit that is reported to have produced some rich gold ore during the early days. A. S. Lewis²²⁵ states that its workings include two shafts, 300 and 100 feet deep.

The *Mex Hill* property, on upper Rowe Wash, is reported to have yielded about \$3,000 worth of rich gold ore during the early days. Recently, U. Moss has explored this ground with a 350-foot tunnel.

The *Lucky Gus* or old *Ed Howard* property, near the Grapevine road, northeast of Cave Creek, made a small production of

²²⁵ Oral communication.

rich gold ore several years ago. In May, 1934, it was being explored by a tunnel below the old 50-foot shaft.

The *A. B. Bell* property, at the head of Blue Wash, 12 miles northeast of Cave Creek, is reported to have yielded about \$2,000 worth of gold during the early days. It was operated for a few months during 1933 and produced a few hundred dollars worth of concentrates and amalgam with a 5-ton mill.²²⁶

The *Rackensack* mine, owned by L. E. Hewins, is in Rackensack Gulch, about 4 miles upstream from the Camp Creek highway bridge. In May, 1934, this mine was being worked through a tunnel by A. Verkroost. During the past three years, it has yielded more than \$1,000 worth of ore.²²⁶ This ore was packed for about 2 miles to the Dallas-Ft. Worth mill.

The *Dallas-Ft. Worth* property, now under option to Charles Diehl and Crismon Bros., is in Rackensack Gulch, about 2 miles upstream from the highway bridge. This property is said to have produced a few thousand dollars' worth of gold during the nineties. It is equipped with a small stamp mill.

The *Gold Reef* property, held by Dan Steele, is a few miles northeast of Cave Creek and 38 miles by road from Phoenix. In May, 1934, the Stuart Gold Reef Mines, Inc., was working the property and operating a 5-stamp unit of an old 10-stamp mill. The ore was being obtained from open cuts on a gently dipping vein near the top of the mountain, some 1,500 feet above the mill. Nine men were employed. This vein occurs in schist, east of a large stock of reddish granite. The ore is cellular, milky-white quartz with some black hematite. The gold, which is fine grained, occurs mainly in the cavities.

WINIFRED DISTRICT

JACK WHITE MINE

The Jack White mine is in the northern foothills of the Phoenix Mountains, about 18 miles by road from the railway at Phoenix.

This deposit was located during the eighties. In 1913, J. White and associates organized the Eyrich Gold Mining Company which sank the shaft to a depth of 300 feet and ran some drifts. C. K. Barnes erected a 10-stamp mill on the property in 1928 and produced several thousand dollars' worth of bullion. In 1931, the Hartman Gold Mining and Milling Company sank the shaft to the 500-foot level, did considerable drifting, and shipped several car loads of ore that contained from \$12 to \$16 worth of gold per ton.²²⁷ A new mill, equipped for flotation and concentration, was built in 1932, but operations were suspended in October, 1933. When visited in May, 1934, the mine was being worked on a small scale by Mr. White.

²²⁶ Oral communication from A. S. Lewis.

²²⁷ Oral communication from J. White.

COLUMBIA METAL MINES CO.

Date 11-15-35

Daily Mill and Assay Report

Mexican Mine

(On Multi-shift Basis the Day Starts with the Morning Shift)

Mill Operated Hours..... Reason for Shut-down if Supposed to be Operating
 Mill Shut Down Hours.....
 Ore Milled Tons.....
 Table Conc. Produced, lbs.....
 Blanket Conc. Produced, lbs.....

SAMPLES

DESCRIPTION	GOLD		SILVER		TOTAL VALUE	
	Oz.	\$	Oz.	\$	Dollars	Cents
Mill Heads C. H. D. # 1	.08	2.80	.24	.19	\$ 2.	99
Conc. tails to tanks C. H. D. 2	.16	5.60	1.24	.96	6.	56
Cyanide tails C. H. D. 3	.08	2.80	.72	.55	3.	35
Table concentrates C. H. D. 4	.01	.35	.57	.39	.	74
Blanket concentrates C. H. D. 5	.01	.35	.89	.68	1.	03
C. H. D. 6	.02	.70	.98	.76	1.	46
C. H. D. 7	.04	1.40	1.12	.86	2.	26
C. H. D. 8	.06	2.10	.66	.50	2.	60

DIARY and REMARKS

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