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ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES AZMILS DATA

PRIMARY NAME: MONTEZUMA & LA PAZ

ALTERNATE NAMES:

EMPRESS OF INDIA QUEEN OF SHEBA

SANTA CRUZ COUNTY MILS NUMBER: 113

LOCATION: TOWNSHIP 21 S RANGE 14 E SECTION 36 QUARTER E2 LATITUDE: N 31DEG 33MIN 46SEC LONGITUDE: W 110DEG 51MIN 22SEC

TOPO MAP NAME: MOUNT WRIGHTSON - 15 MIN

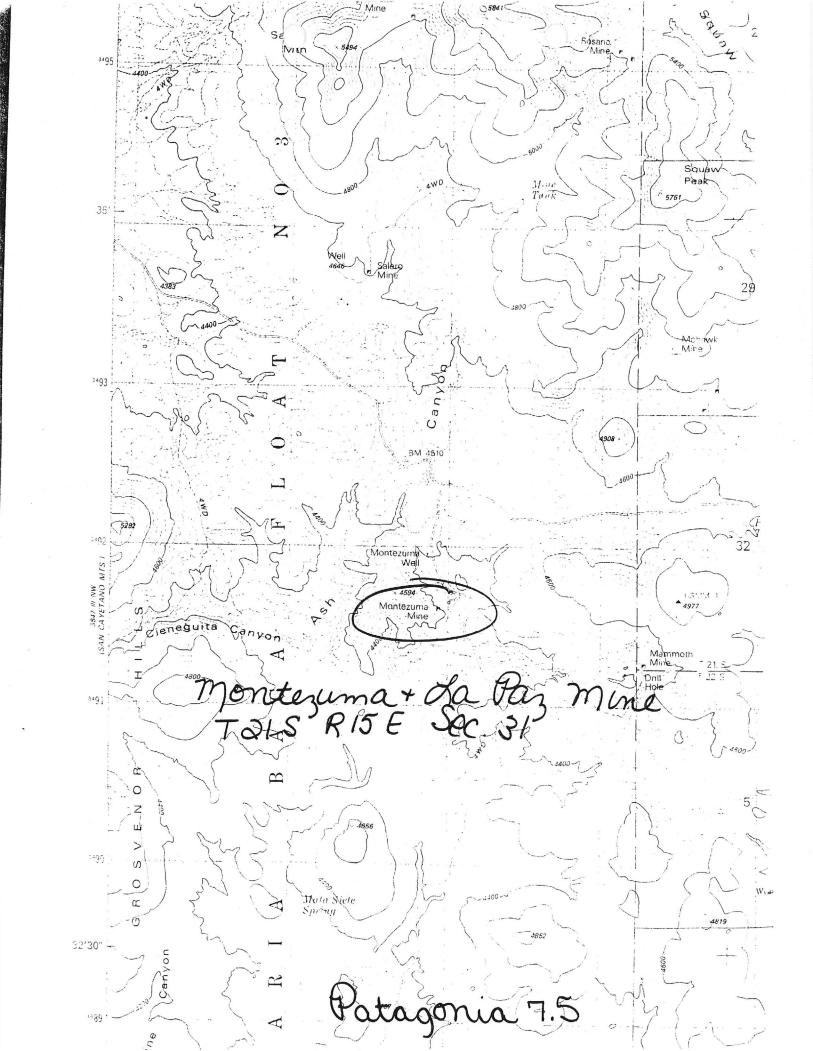
CURRENT STATUS: PAST PRODUCER

COMMODITY:

SILVER COPPER LEAD GOLD

BIBLIOGRAPHY:

KEITH, S.B., 1975, INDEX OF MINING PROP. IN SANTA CRUZ CO. AZBM BULL. 191, P. 86 AZBM CARD FILE SANTA CRUZ CO. SCHRADER, F.C., 1915, USGS BULL. 582, P. 212 ADMMR MONTEZUMA MINE FILE



MUNTEZUMA AND LA PAZ MINE

SANTA CRUZ COUNTY TYNDALL DISTRICT T21S R15E Sec. 31

REFERENCES

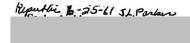
See: USGS Bull. 582 Page 212, 213

ABM Bul. 191, p. 86

MILS Sheet sequence number 0040230291

USGS PP 748, p. 11-12

Patagonia 7.5 (included in file)



Exploration work is in progress at the Montezuma mine, a part of the Baca Float Mineral Segregation, in the Tyndall district of Santa Cruz County, Arizona. The mine is under lease and option to Larry Drake, Tucson, Ariz. At present, two inclined shafts are being sunk; one is an extension of an old 50-foot shaft, and a depth of 300 feet on a 50 to 55° incline is projected for both. Earlier exploration work completed included about 1,500 feet of diamond drilling, and several carloads of copper-silver ore have been shipped. Seven men are employed in the current work.

Taken from MINING WORLD, August, 1961, p 49.

COMMODITY INFORMATION							
*COMMODITIES PRESENT C10 (A.G. W.C.) WP - WALL W - W.							
*ORE MINERALS C30 < SILVER ALL CO R GATINGE, MALAGEMENTE, MAGES IE, SILVER ALL CO.							
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PRESENT/LAST OPERATOR A13 (
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WRIGHTSON BROTHERS (1831 30), Maries and Company							
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PROMINENT MINES : OWNED BY R.R. HANSEN							

REFERENCE 1	FI (<u>USBM FILES</u> N		C LA PAZ MINES			
REFERENCE 2	F2 (SCHRADER F.C			13		
REFERENCE 3	F3 (KEITH, S.B. 19	75, ABM BULL.	191 p. 86			
REFERENCE 4	FA (BLM DISTRICT A	MINING SHEET S	88			
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	NEAREST PROMINENT LOCALITY A82 _ MENTS A83 \ <i>ABOUT/4_P</i>			1.0 MILE WN	W OF MAMMOTE	MINE

^{*} ESSENTIAL INFORMATION
+ ESSENTIAL SOMETIMES OR HIGHLY RECOMMENDED

TWP

DEPARTMENT OF MINERAL RESOURCES STATE OF ARIZONA FIELD ENGINEERS REPORT

Mine Montezuma Mine

Date March 9, 1961

District Tyndall District, Santa Cruz Co.

Engineer Axel L. Johnson

Subject: Field Engineers Report. Information from Larry Drake and Personal Visit.

References U. S. G. S. Bulletin B-582 "Mineral Deposits of the Santa Rita and Patagonia Mountains" -- pages 212 and 213.

Location Sec. 31 - T 21 S - R 15 E. About 13 miles NW of Patagonia. From Patagonia take Highway No. 82 for a distance of about 4 miles. Turn right (NW) and drive about 9 miles to the mine. The mine is on Baca Float Mineral Segregation.

Number of Claims Mineral rights are privately owned.

Owner : Virginia Rutherford, Box 725, Patagonia, Ariz.

Lease and Option Larry Drake, 1902 Irane Vista, Tucson, Ariz.

Principal Minerals 'Copper, Silver, & Gold.

Present Mining Activity Shaft sinking in two inclined shafts. 7 men working.

Geology and Mineralization Bull. 582 describes the country rock as medium grained irongray quartz-bearing diorite. However, Mr. Drake states that he has had it tested at the University, and that they have reported it as quartz porphyry and quartz monzonite porphyry Shaft no. 1 is being sunk in a vein, which appears to be from 3 to 4 ft. wide, although the walls are quite irregular. The strike is about N 80 E and the dip is vertical to 80°N. The materials in the vein consist of silicified, sheared and crushed fragments, interspersed with narrow high grade stringers of malachite, chrysocolla, chalcocite, cuprite, hematitize, and possibly argentite. Shaft no. 2 is being sunk in a vein or local enrichment about 4 ft. wide. The strike and the dip is quite indefinite, but the strike appears to be S 80 E and the dip almost vertical. This appears to be a different vein or enrichment from the one at the no. 1 shaft, and Mr. Drake believes that the two veins will meet at some distance east of the no. 2 shaft. The vein at the no. 2 shaft also contains narrow high grade stringers of copper carbonates and silicates, with some cuprite and chalcocite.

Ore Values Mr. Drake reports the following assays: - At the no. 1 shaft ------ Copper -- 6.73 %; Silver -- 31.6 oz.; Gold -- 0.06 oz.; Silica -- 72 %. At the no. 2 shaft ------ Copper -- 5.33 %; Silver -- 33 oz.; Gold -- 0.06 oz.

Milling & Marketing Direct shipments to smelter (International Smelter at Inspiration.)

Past History See U. S. G. S. Bulletin B-582 -- pages 212 & 213.

Old Mine Workings See above references.

New Mine Workings (1) One inclined shaft (incl. 50 to 55 deg. to the west following the strike of the vein), size 7' x 7' ---- now down to a depth of 85 ft. This is an extension of an old shaft, formerly 50 ft. deep.

(2) One inclined shaft (incl. 50 to 55 deg. to the west following the strike of the vein), size 7' x 7' --- now down to a depth of 10 ft.

Montezuma Mine (continued)

March 9, 1961

Tyndall District, Santa Cruz Co.

Axel L. Johnson

Review of Recent Operations Mr. Drake reports that he started working in shaft no. 1 about one month ago (Feb. 10), and in shaft no. 2 about 10 days ago (Feb. 27). He has loaded 27 tons in one railroad car, now in the Patagonia RR siding, which is scheduled for shipment to the International smelter at Inspiration. He states that this shipment had to be limited to 27 tons, because he overestimated the tonnage of ore available for shipment. Mr. Drake estimates that the ore will run about 6% in copper, with fairly high silver values.

Proposed Plans To sink No. 1 shaft to a depth of 300 ft., and to sink No. 2 shaft approximately the same distance.

Exploration

The following exploration has been done to date:3 diamond drill holes were drilled by Boyles Bros Drilling Co.

1 -- 560 ft. deep -- inclined 45 degrees

1 -- 660 ft. deep -- inclined 45 degrees

1 -- 260 ft. deep -- inclined 60 degrees

Mr. Drake reports good ore in spots, and that the full distance of the holes showed mineralization and low grade ore.

Additional Mr. Drake is reported as wakex bargaining with Utex Exploration Co. of Moab, Utah regarding future operations of the property.

DEPARTMENT OF MINERAL RESOURCES STATE OF ARIZONA FIELD ENGINEERS REPORT

Mine

Montezuma Mine (Baca Float Min. Seg.)

Date

June 1, 1961

District

Tyndall District, Santa Cruz Co.

Engineer

Axel L. Johnson

Subject:

Present Status.

Information from Larry Drake

References

Report of March 9, 1961

Mr. Drake reports that he has discontinued operations at the Present Status. Montezuma, and is now operating at the Royal Blue and Double Eagle mines.

Mr. Drake also stated that he gave an option to Utex Oil Co., Salt Lake City, a subsidiary of Tintic Standard Mining Co., who put down some diamond drill holes in the vicinity of the Montezuma Mine, and later gave up the option. drilling was done by Boyles Bros. Drilling Co. Three of these holes were mentioned in the March 9, 1961 report, under "Exploration".

Mr. Drake claims that the diamond drill holes were put down in the wrong locations.

Correction to March 9, 1961 report

Under "Additional" on page 2 of report ---- should read Utex Oil Co. of Salt Lake City, Utah.

Mr. Drake stated that he may go back and operate this property later Proposed Plans on, and that he is retaining the lease on all of the "Baca Float Mineral Segregation".

USGS Bull. 582, p. 212, 213

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