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ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES AZMILS DATA

PRIMARY NAME: BOSTON MILL SITE

ALTERNATE NAMES:

COCHISE COUNTY MILS NUMBER: 910

LOCATION: TOWNSHIP 20 S RANGE 21 E SECTION 23 QUARTER S2  
LATITUDE: N 31DEG 40MIN 45SEC LONGITUDE: W 110DEG 10MIN 12SEC  
TOPO MAP NAME: FAIRBANK - 7.5 MIN

CURRENT STATUS: UNKNOWN

COMMODITY:  
MILL

BIBLIOGRAPHY:  
ADMMR BOSTON MILL SITE FILE  
AZBM BULL 143, P. 44

BOSTON MILL SITE

COCHISE COUNTY

MG WR 4/2/82: Visited the office of Bauer Metals, Inc. The company has essentially finished its program to recover silver and gold from the tailings at the abandoned mill site. Although this program was apparently successful, it is doubtful that the company will treat tailings at the other abandoned mill sites in the Charleston-Fairbank area. Over the years the San Pedro river has eroded many of the tailings sites and/or deposited sand and silt on the tailings. In addition vegetation has grown over the mill sites.

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Mr. Lichtenstein <sup>was</sup> were in to discuss their mill tailings retreatment program at abandoned mills in Charleston. They want to recover silver and they have an agreement with Teneco, owner of the San Juan de las Boguillas y Nogales land grant where the tailings dumps are located. MG WR 1/9/81

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Mr. Immanuel Lichtenstein in to discuss possible silver-leach operations in Arizona. He reports his Charleston project is due to begin in about two weeks. The old mill tailings near Charleston will be vat leached for their silver content. The tailings are chiefly coarser than 100 mesh; they will be milled to (-) 100 mesh. The company doing the work is Bauer Metals, Box 56, Tombstone, AZ 85638; Phone 457-2261. Mr. Jim Jones is Manager. MG WR 2/27/81

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MG WR 4/2/82: Visited the office of Bauer Metals, Inc. (see Boston Mill site). The company has essentially finished its program to recover silver and gold from the tailings at the abandoned mill site. Although this program was apparently successful, it is doubtful that the company will treat tailings at the other abandoned mill sites in the Charleston-Fairbank area. Over the years the San Pedro river has eroded many of the tailings sites and/or deposited sand and silt on the tailings. In addition vegetation has grown over the mill sites.

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**ZONA DEPARTMENT OF MINES & RESOURCES**

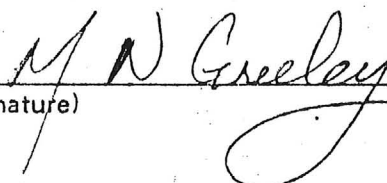
**Mineral Building, Fairgrounds**

**Phoenix, Arizona**

1. Information from: Mrs. Pam Jones (Office 457-2261/Mill site 457-3742)  
Address: near State of Maine mine, Charleston Rd
2. Mine: Boston mill site mine 3. No. of Claims - Patented \_\_\_\_\_  
Unpatented \_\_\_\_\_
4. Location: New Boston (Empire mill) site on east side of San Pedro river (Cochise Co.)  
(Protracted)
5. Sec 23, SW $\frac{1}{4}$  Tp 20S Range 21E 6. Mining District \_\_\_\_\_
7. Owner: Tenneco Oil Co (owns the San Juan de las Boquillas y Nogales Land Grant)
8. Address: \_\_\_\_\_
9. Operating Co.: Bauer Metals Inc.
10. Address: 195 Nassau St., Princeton, N.J. 08540; (609) 924-0536
11. President: Immanuel Lichtenstein 12. Gen. Mgr.: Mr. Jim Jones
13. Principal Metals: Ag-Au 14. No. Employed: 11
15. Mill, Type & Capacity: \_\_\_\_\_
16. Present Operations: (a) Down  (b) Assessment work  (c) Exploration   
(d) Production  (e) Rate 40-60 tpd.
17. New Work Planned: When all tails have been leached, they will be rinsed to recover residual cyanide solution and remaining silver. May move to another abandoned mill site by the San Pedro river if cheap power available.
18. Misc. Notes: Mill tails from original milling of Tombstone ores being re-processed. Began moving in equipment and screening tails (chiefly to remove vegetation) in Feb. 1981; production began in mid-May. After screening, tails are run thru a ball mill, grinding down from 35 mesh to 400 mesh, thru a cyclone and into an agitation leach tank approx. 4' X 6' in size. Cyanide leach solution then goes to settling pond and then pumped to holding pond. Solution is then run thru Merrill-Crowe precipitation plants. Precipitates are melted and electrolytically refined at office near State of Maine mine. Plan to finish by mid-September.  
After blending, the Boston mill tails average about 4 oz Ag/ton; recovery is about 65%. Solution pH is kept between 9 to 10.

Date: 8/27/81

(Signature)



(Field Engineer)