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ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES AZMILS DATA

PRIMARY NAME: LOMA DE MANGANESE

ALTERNATE NAMES:

SANTA CRUZ COUNTY MILS NUMBER: 141B

LOCATION: TOWNSHIP 23 S RANGE 10 E SECTION 1 QUARTER E2  
LATITUDE: N 31DEG 27MIN 10SEC LONGITUDE: W 111DEG 16MIN 06SEC  
TOPO MAP NAME: ORO BLANCO - 15 MIN

CURRENT STATUS: PAST PRODUCER

COMMODITY:  
MANGANESE

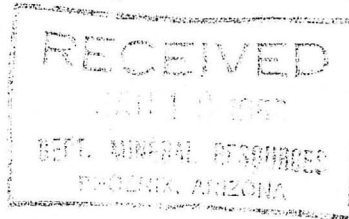
BIBLIOGRAPHY:

See: IC 7990 p. 178

See: ABM Bull 191, Pg. 64, T23S, R. 10E, Sec. SE 1/4 1

IC 7990, p. 178

DEPARTMENT OF MINERAL RESOURCES  
STATE OF ARIZONA  
FIELD ENGINEERS REPORT



Mine Loma de Manganese

Date Dec. 12, 1957

District Oro Blanco District, Santa Cruz Co.

Engineer Axel L. Johnson

Subject: Field Engineers Report. Information from Frank Otero and personal visit.

Location About 3 1/4 miles SW of Ruby. Drive on the Ruby-Arivaca road for about 1 1/2 miles NW. Turn left (south) and drive about 1 3/4 miles to the mine.

Number of Claims 5 unpat. claims.

Owners ✓ Frank Otero, 233 Sonoita Ave., Nogales ----- 1/3 interest  
✓ Edward Sheehy, Nogales, Arizona ----- 2/3 interest

Lessees & Operators Frank Otero, owner of 1/3 interest, leases the remaining 2/3 interest from Edward Sheehy, and ~~operates~~ operates the mine.

Principal Minerals Manganese ore in the form of pailomelane and pyrolusite.

Present Mining Activity Exploration and development work by means of drifting on the vein from inclined shaft. 2 men working.

Geology and Mineralization Vein, containing the manganese ore, is about 3 ft. wide, strikes ENE to WSW, and dips about 50 degrees to SSE. The wall rock on both sides of the vein appears to be diorite, which has been considerably weathered. The manganese is found in the vein as chunks and veinlets of fairly high grade manganese in a gangue of altered diorite. Hand sorting of the manganese ore produces some ore which is high enough in manganese to ship directly plus a somewhat larger amount of milling grade ore. Consequently, for best results, the ore should be milled.

Ore Values Mr. Otero reports that he shipped 49 tons to the Deming depot about 3 years ago, which averaged about 47 % manganese. He now has about 30 tons in a stockpile, which is milling grade ore (probably 20 to 25 %).

Ore in Sight & Probable Undetermined.

Milling & Marketing Facilities None.

Past History & Production Shipments to Deming depot of 49 tons (see above)

Mine Workings (1) 1 inclined shaft (incl. 50 deg.) ----- 25 ft. deep.  
(2) 1 surface trench ---- 30 ft. long x 10 ft. wide x 10 ft. deep.

Present Mining Operations Drifting on the vein, seeking to develop a body of manganese ~~ore~~ ore. Ore is hand sorted and stockpiled awaiting arrangements to have it milled.

Proposed Plans (1) To have the ore milled at some custom mill, and then sell the concentrates on the Car Lot Program.  
or (2) To sell the ore to Mohave Mining & Milling or Stovall Manganese Company, either f. o. b. mine or delivered.