

Mr. W. H. Loerpabel, Manager
American Smelting and Refining Co.
Box 229
Tucson, Arizona

MacDonald Manganese Prospect
Socorro County, New Mexico
Socorro

Dear Sir:

The above property was visited on Sept. 29th. The delay in reporting is due to a delay in receiving assays.

The property, which consists of 26 unpatented claims are owned by:-

John MacDonald, merchant and mine operator, Magdalena, N. M.

Andrew Andreas, state geologist, Socorro, N. M.

Thomas Van Cleave, Socorro, N. M.

The claims lie in the northern part of the Coyote Hills and about one mile south of the oiled highway between Magdalena and Socorro. The distance to the Santa Fe Station at Socorro is about 9 miles.

The manganese mineralization occurs in reddish rhyolite and tuffaceous breccia as narrow veins. At the north end of the claims an open cut has been driven about 40 feet along a fault zone, one wall of which is rhyolite and the other tuffaceous breccia. There is a zone of breccia about 3-4 feet wide containing boulders of a rare manganese-lead oxide mineral called coronadite. Some sorted material ran 39.1% Mn, 11.3% Pb, 3.6% Zn. This, of course, will not meet the specifications on manganese shipping ore, but may possibly be of some value as a lead ore. The coronadite mineralization is very shallow, however, since many of the boulders are well banded with a manganeseiferous carbonate in the central portions.

At the south end of the property on the apparently same fault system there are scattered showings of psilomelane. The manganese oxide is very lensey and varies from a knife edge seam to 18 inches wide. In this area the rhyolite is viscular and has breccia fragments. The mineral here is probably psilomelane as a sample ran 42.3% Mn, 0.6% Pb, 0.1% Zn.

Mr. MacDonald wants \$12,000 for two of the northern claims- that is those with the coronadite. This property may produce some ore if a market can be found for the coronadite, however, I do not believe there is enough promise to interest us.

Very truly yours,

L. P. Entwistle
Geologist

LPE:ej

CC: HAGuess

FMStpehens

FCBlickensderfer

FWRichard