

MR 42-181

Taylor Lease (Manganese) - Sec. 19, Twp. 47, Range 85, Johnson County -
Roberson, Muirhead.

Manganese oxides psilomelane and pyrolusite occurring in the Bighorn dolomite. A pit 25' x 10' and 15' deep. Here the dolomite is blocky and occurs as large chunks separated by smaller ones and loose material.

The manganese ore has entered along the areas between chunks and along fractures. It is present as thin (up to 1") streaks, stains, and fracture fillings. Probably only a few percent of the rock is manganese ore. The ore assays 15 oz. of silver and 45% Mn but this must have been a picked high-grade sample. Irregular - some pockets of pure Mn - (200 lbs.).

A certain amount of quartz (or chert) is present and this would have to be gotten rid of. The ore would then have to be concentrated.

Opinion - From what can be seen here there is not sufficient ore to be commercial. More work will have to be done before a definite opinion can be reached but it is doubtful whether this would be worth the money.

