

0480 0057

NAME OF PROPERTY

Black Eagle, Black Rock, and Nigger Joe Group

Western Alloys, Inc. - owner
P. A. Mattingly, President
502 Phelps Building
Salt Lake City, Utah

LOCATION

Battle Mountain Mining District, Lander County, Nevada, about 19 miles from Valmy.

GEOLOGY

Manganese both in the form of carbonate and oxide occurs as a replacement of limestones and limey shales along their contact with massive chert beds. The ore appears from the outcrops to occur in two bodies separated by an unmineralized but highly silicified shale. The shape of the mineralized area itself is roughly tabular, the shape of the two known ore zones appears to be rudely lozengelike. The walls of the enclosing rock are massive and strong and should stand well to reasonable depths. Mineralization of this deposit is typical of many manganese deposits in that the gangue consists of little else but silica, which is so intimately associated with the manganese minerals that its liberation and elimination in making a manganese concentrate of ferro grade presents a formidable ore-dressing problem.

DEVELOPMENT

Numerous surface cuts.

Ore reserves estimated at 52,000 tons averaging 16% Mn.