

rongly, and the system can be traced for a distance of over three miles by float, outcrops, and openings, and wherever encountered impress one with their strength. In all cases, these veins are well defined and show zinc and lead ore in about the same quantity and quality, and at every point where a vein has been opened to any extent, the metal contents have increased with depth.

The principal, and practically the only real development in the field, is the Federal mine. This property has made great progress in its development and has proven at least sixteen different veins within an area a little over fifty acres with widths of from four to sixty feet and traceable on their strike in some cases for over three thousand feet. These veins generally strike a little east of north cutting across the strike of slates.

The present camp of the Federal mine is situated on the crest of a hill 450 feet above Berry Mountain brook. This hill is fractured to a remarkable extent, showing a regular network of veins, each carrying practically the same zinc and lead contents.

At a number of places in the drifts and crosscuts of the Federal mine the slates are crushed to a marked extent by cross-fissuring and then cemented with a dolomite quartz carrying a good percentage of blende and galena. This breccia follows the strike of the veins and at places is over 100 feet wide. The