Ken Brown showed Houghton’s groups $H_n$ are of type $FP_n$ but not $FP_{n+1}$ by examining the action of $H_n$ on infinite dimensional complex. We show his proof can be improved so that $H_n$ acts on horizontal level sets of a $n$-dimensional CAT(0) complex in view of Bestvina-Brady Morse function theory. We also show one can establish an isoperimetric inequality of the horizontal level set by using a certain pushing filling. (Received September 21, 2010)