

BOREHOLE DEVIATION STUDY IN A LONG-HOLE STOPE

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Abstract

Does a 76 mm \varnothing hole drilled over 45 m deep remain straight? This is the question asked by the Engineering department at Placer Dome's Dome Mine in Timmins, Ontario before they could lay out the initiation sequence in a long-hole production stope. Everyone realized that the holes would wander over such great depths, but it was important to know where they went.

Placer Dome personnel, along with ICI Explosives Canada Technical Representatives, set out to measure the deviation of all 76 mm holes with depths greater than 27 m in this stope. This paper examines the results of this work and discusses some of the information revealed by the hole surveys. We will also discuss how the stope was blasted and go over results up to the writing of the article.