

MINI-SOSIE, A NEW SEISMIC SOURCE FOR GOOD RESOLUTION OF NEAR SURFACE FORMATIONS

by

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ABSTRACT

Mini-Sosie, a new seismic source for good resolution of near surface formations.

The application of geophysical methods for the exploration of geological formations is based on sufficient distinction of the physical properties of these formations.

In general rocksalt formations are particularly suitable for use in seismic exploration methods. A good example is the investigation of the contours of a salt dome. But in case of undep and relatively thin salt layers normal reflection or refraction seismic will easily fail.

Akzo currently tested a new seismic source for the recording of seismic sections in one of its salt concessions in the eastern part of Holland. The results of this seismic test programme on a 50 metres thick and approximately 400 metres deep salt formation were very promising in comparison to the dynamite reflexion programme shot in 1965.