

# **T e Pa f E e g B a g N -Idea E e**

Lex L. Udy and C. Mick Lownds

Several classes of commercial explosives and blasting agents behave non-ideally, especially in diameters near their critical diameter. A direct and convenient measure of non-ideal behavior is the detonation velocity (VOD); if the VOD is less than the ideal value, usually obtained by calculation, then the explosive is detonating in the non-ideal mode. Such lowering of the VOD is usually due to both valeral loss of energy and post-CJ release of energy.

The second of these factors, namely slow release of chemical energy, is of most interest in