

Momentum Kill concepts are best illustrated by Figures 5.12 and 5.13. Figure 5.12 illustrates a situation in which the outcome would never be

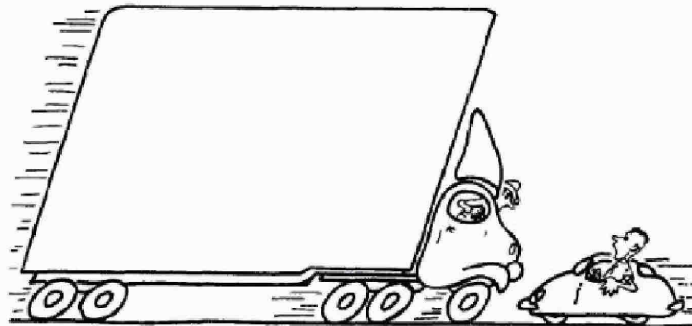


Figure 5.12

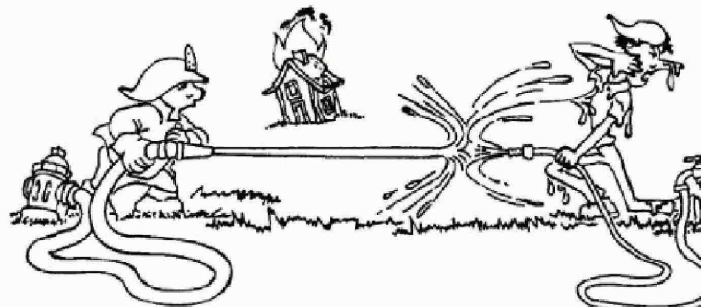


Figure 5.13

appropriate for modeling actual kill requirements. A kill process on the COFP is the more conservative approach. An AGFP accurately reflects the effect of the pressure draw down in the vicinity of the wellbore.

THE MOMENTUM KILL.

The Momentum Kill is a procedure where two fluids, the one with the greater momentum wins. If the greater momentum belongs to the fluid from the blowout, the blowout continues. If the greater momentum belongs to the kill fluid, the well is controlled. The Momentum Kill procedure is the newest and least understood of the kill procedures. However, the technique itself is not new. In the mid and early sixties, the air drillers of eastern Oklahoma thought pulling into the surface pipe to mud up an air-drilled hole to avoid the hazards associated with the introduction of mud to the shale.

Momentum Kill concepts are best illustrated by Figure 5.13. Figure 5.12 illustrates a situation in which the outcome would