Broken Pipe Blocker

Abstract of the Disclosure

An apparatus for blocking or capping a pipe (39) end is disclosed. The apparatus includes a tubular body (13) defining a central cavity (17) having an inlet (19), an outlet (23), and an axis (15). The apparatus also includes a plurality of conical blocker rings (33) mounted to an inner diameter surface of the tubular body (13) within the central cavity (17), at least some of the blocker rings (33) being rigid (35) and some of the blocker rings (33) being compliant (37). The blocker rings (33) are adapted to seal to a pipe (39) end inserted into the central cavity (17). The rigid blocker rings (35) have an outer diameter joined to an inner diameter of the central cavity (17), and the compliant blocker rings (37) have an inner diameter smaller than an inner diameter of the rigid blocker rings (35) and are adapted to seal around an exterior of the pipe (39) when inserted from the inlet (19).

Figure 1