

ABSTRACT

RISER CONNECTOR

There is disclosed a connector for releasably connecting tubular members connected to adjacent ends of riser pipes in end-to-end relation. The tubular members have locking grooves about their adjacent ends, and a split lock ring surrounds the adjacent ends of the tubular members, when in end-to-end relation, and has upper and lower teeth thereabout for fitting tightly within the grooves to hold the ends of the tubular members in end-to-end relation. The lock ring is moved between locking and unlocking positions by means of a cam ring having tapered conical cam surfaces thereabout for slidable engagement with follower surfaces about the lock ring. A support plate extends laterally from each tubular member, and pipes, which may be choke and kill/lines, one mounted on the plates to sealably interfit with one another upon movement of the tubular members into end-to-end relation. The pipes are directly locked to one another to prevent vertical separation independently of locking of the tubular members in end-to-end relation.

FIGURE 1