



Safety Slick Joint

Reducing risk—improving safety



A Safer Well Test:

With the effort to continuously improve process safety in the offshore environment, the industry has long sought for solutions to the hazards arising from compensator failure on a floating rig during operations such as well testing where the work string is fixed at the sea bed.

The safety slick joint offers a new cost effective and simple safeguard that will protect your facility against catastrophic failure of the landing strip in a tension, which could occur should the compensator system lock up during a well test operation.

Safety Slick Joint offers:

- Protection of personnel and facilities
- Simple and reliable design
- Readily interfaced to the test string

Concept

The safety slick joint is designed to permit the workstring to strip through the pipe rams in the event of a compensator lock up event thereby preventing catastrophic failure of the workstring due to over tension. This type of event has occurred in the past and some examples are documented in the [SPE paper 59216](#).

Lock up event with a Safety Slick Joint

If a lock up event occurs during a well test, the workstring will start to move upwards as the safety slick joint strips through the pipe rams, unlike the standard slick joint there is no upset at the bottom of the slick section, instead a set of bypass slots will strip through the rams allowing annulus pressure to vent to the marine riser, this is so designed so that the tester valve will close automatically rendering the situation safer. If the heave conditions are severe, the workstring will continue to strip upwards until the fluted hanger shoulders at the pipe rams. A shear collar situated directly below the fluted hanger will shear at nominal overpull value of 20,000 lbs, when this occurs the fluted hanger nut will

drop to the bottom of the safety slick joint providing the full length of the tool to strip through the rams thereby preventing an over tension.

Safety Slick Joint features:

- Fluted hanger keyed into slots
- Nut has up and down movement
- Desired space out can easily be achieved
- Tester valve shuts automatically
- Up to 3m of movement
- Avoids an over tension catastrophic failure

Complementary services

We offer a complete range of complementary solutions to support the oil and gas industry worldwide:

- Safety Bails
- Methanol fire detection and suppression system
- Air compressors & steam generators including Zone II
- Artificial lift completion systems
- Diving and ROV
- Inspection and monitoring
- Offshore equipment
- Marine services
- Mooring and fendering
- Safety and control systems
- Subsea services

For further details on the Safety Slick Joint contact our specialist consultant:

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