

**Dropped Joint of Casing while using a Casing Running Tool (CRT).**

**ALERT 5-21**

**WHAT HAPPENED:**

The Rig Crew was in the process of running 5.5" casing with 3<sup>rd</sup> party hydraulic power tongs and external Casing Running Tool (CRT), filling up the casing approximately every 1000'. The driller picked up a joint of casing to approximately 30 feet when the CRT tool backed out at the bottom of extension sub causing the CRT to fall to the rig floor.

On rig floor at time of incident were: 3 employees, 2 third party employees, and 1 employee of the Drilling Contractor. The closest employee to the dropped CRT was the 3<sup>rd</sup> party tong operator 5 ft away from the point of impact. No one was injured as a result of the event.

**CONTRIBUTING FACTORS:**

- 3<sup>rd</sup> party CRT was not adequately torqued between the sub and the CRT.
- 3<sup>rd</sup> party Casing Company does not have a way to confirm torque of the connection between the CRT and the sub.
- The manufacturer of the CRT can provide a Tether Swivel Accessory and/or a Tool Joint Clamp but neither were installed on the CRT that was in use.
- CRT wasn't used for casing connection make-up, which would have transferred torque through the CRT and sub connection, which wasn't properly made-up.

**LESSONS LEARNED:**

- If torque of the connection between the CRT and the sub cannot be verified, the Rig Superintendent must be notified. Proper torque must be applied and verified through the CRT and sub, just as is required between the sub and the Top Drive.
- If there is no Tether Swivel Accessory or Tool Joint Clamp (Secondary retention) installed on the CRT to be used for Secondary retention, the Rig Superintendent must be notified.
- A properly installed Tool Joint Clamp across a rotary shouldered connection of correct size can increase the torque required to back out the connection.