

Well Construction

Frank's Tubular Running Services (TRS) - Casing Technologies

FC-1™ Fill-up and Circulating Tool

Features and benefits

- 4 1/2 in - 26 in fill-up and circulating capabilities for any weight or thread
- Accomplishes fill-up by pumping through the top drive
- Can accomplish fill-up during casing running
- Circulation is achieved by slacking down in order to place the packer cup inside the casing
- Reduces rig time by performing fill-up and circulation without rigging-up accessories
- Eliminates spilling drilling fluids after fill-up or circulating with a mud saver valve
- Improves safety by removing personnel near pressurized lines or valves during fill-up and circulating operations
- Axial movement to actuate the mud saver valve not required
- During flow-back operations, fluid is transferred from the casing annulus to the mud pits as the casing is lowered into the hole and may be used in tie-backs in cased-hole applications
- Flow-back application is intended for circulating conditions on liners and strings with sensitive pressure gradients
- Option to add push down plate to 4 1/2 in - 13 3/8 in capabilities in order to apply weight from the top drive/hook directly to the casing string to aid in pushing the casing through obstructions

