Rig-enabled cementing service

Improved efficiency through rig integration

Applications

- Land drilling operations
- Primary and remedial cementing jobs

Features

- Enhanced mixing capabilities
  - SLURRY CHIEF™ mark III cement mixer
  - Three centrifugal pumps for makeup, mix, and pressurizing pumps
  - Optimized mixing and averaging tubs geometry, enabled by embedded slurry and air separator technology
- Adjustable liquid additive system (LAS)
- Nonradioactive densitometers and flowmeters
- Automated density control and computerized acquisition system
- Generator interface box to easily power up mixing skid from the rig's generator

How it improves performance

- Increases efficiency by using a mixing skid fitted into the rig system and available through the entire well construction process
- Reduces or removes rig downtime, logistics delay, and frequent rig-up and rig-down activities
- Improves operational HSE by removing high-pressure system and reducing red-zone footage, lifting and tripping risks, and miles driven
- Improves reliability and simplifies logistics (mixing skid designed to be tail-boarded on and off a trailer and movable by forklift)
- Reduces carbon emissions from the elimination of transportation and engine idle by approximately 100 metric tons CO_2e per unit per year, compared with a conventional cementing unit

How it works

The rig-enabled cementing service provides the process to mix and transfer cementing slurry to the rig pumps using a powerful electric cementing mixing skid. This unit will be permanently installed at the rig site, which moves with the rig as needed. The cementing slurry is mixed onsite, along with chemical additives, and is delivered to the rig pumps for pumping downhole. Integrating the cementing delivery equipment and rig system simplifies maintenance, streamlines job execution, and reduces the logistics involved in the well construction process.

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