Subsurface Safety Valve Saves the Day after Barge Collision, Leads to Valve Installations throughout the Field

Objectives
- Install Weatherford Model PB subsurface-controlled subsurface safety valves (SSCSSSVs) on 20 or more oil and gas wells in an inland water field. Leading up to the decision to install the valves was an incident involving a rogue tugboat that had pushed a barge into a well. Fortunately, the well was equipped with a safety valve, which prevented a major spill that would have had significant environmental and economic consequences. After reviewing the possible field-wide liability, the operator decided to immediately begin installation of Weatherford’s PB SSCSSSVs on all flowing wells in the field.

Results
- Weatherford modeled each well with nodal analysis to ensure the optimal emergency shut-in setting. The Model PB valves chosen for use are API 14A certified.
- Within one month, 15 PB SSCSSSVs had already been installed by slickline, with minimum downtime.

Value to Client
- Installation of the safety valves and Weatherford’s quick response provided the operator with protection against spills caused by accidents and storms, avoiding costly environmental damage and production losses.