



CASE HISTORY

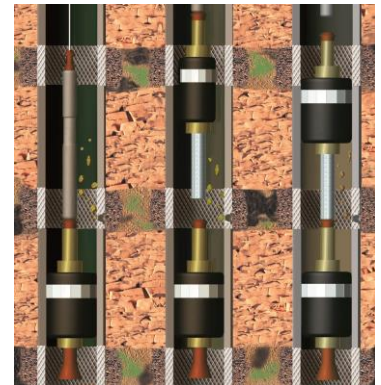
Well Intervention

Inflatable Scab Liner

SCREEN SECTION DAMAGED

Inflatable Scab Liner Run to Straddle Failed Section

Location: Cabinda, Angola



Inflatable Scab Liner

CHALLENGE: A Cabinda offshore gravel-packed completion had a damaged screen section and began producing sand.

SOLUTION: An inflatable scab liner was run to straddle the failed section and restore the well to production. The lower packer was run on e-line and inflated below the failed completion screen. Blank pipe was then run and latched into the lower packer. The upper packer was then run and latched into the blank tubing spaced across the damaged section, inflated, and the running tools were retrieved. (Note: The scab liner can be run using slickline, e-line, coiled tubing or work string. The scab liner can be run in segments to reduce lubricator height. Interval tubing can be replaced with screen if desired.)

RESULTS AND BENEFIT: The well was restored to production without sand production at 230 BPD oil production. Due to small platform sizes in the shallow water fields, lift boat and e-line operations were easier and less expensive than rig operations.