

Dennis Denney, *JPT* Senior Technology Editor

### Large-Volume Sidewall Cores

Retrieving up to 50 1.5-in.-outside-diameter by 2.5-in.-long sidewall-core samples from a single descent into a well, the Schlumberger XL-Rock large-volume rotary sidewall-coring service (Fig. 2) closes the gap between core plugs from continuous conventional core and wireline-conveyed rotary sidewall cores. These large-diameter core samples deliver a rock volume equivalent to that of conventional core plugs, matching the industry's standard sample size for most special-core-analysis measurements and enabling key answers in less time and at lower cost than with conventional coring. This coring service enables collecting sidewall-core samples equivalent to standard laboratory core plugs. Each

sample is isolated for positive identification, and a summary output at surface lists all samples with the exact depth and time that each was taken. The real-time display at the logging unit confirms proper tool operation and sample acquisition. The coring tool is run in combination with a gamma ray tool to correlate with openhole logs for accurate, real-time depth control of the coring points. With this new coring capability, operators can characterize an extended reservoir interval in a single sidewall-coring descent instead of multiple sidewall-coring descents or multiple stands of whole-core retrieval. **JPT**

► For additional information, visit [www.slb.com/xlrock](http://www.slb.com/xlrock).

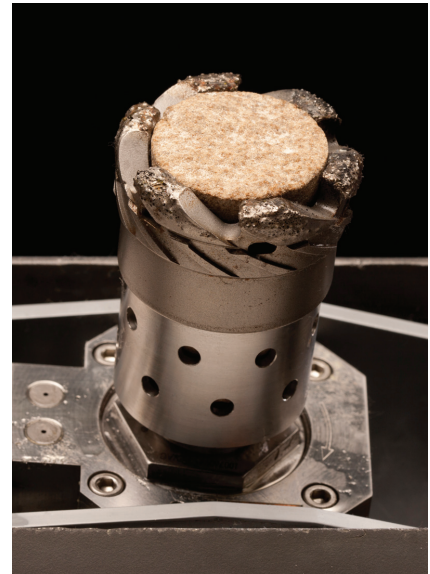


Fig. 2—Fifty high-quality large-diameter cores can be acquired on a single trip with Schlumberger's XL-Rock large-volume rotary sidewall-coring service.