

Background

During a workover operation on an offshore gas well, the operator needed to remove cement plug debris to bring the well back into operation. After cement plug milling, the residual debris in the wellbore needed to be removed and the well validated. Schlumberger suggested using the WELL SCAVENGER* vacuum debris removal tool from M-I SWACO, a Schlumberger company, to clean the cement debris from the hole. The operator used ACTive* real-time downhole coiled tubing services to provide real-time pressure and temperature measurements during milling and cleanout operations.

Technology

- WELL SCAVENGER vacuum debris removal tool
- ACTive real-time downhole coiled tubing services

Offshore Operator Runs WELL SCAVENGER Tool for the First Time Alongside Coiled Tubing Services

Vacuum debris removal tool removes debris from wellbore during workover



Run Number	WELL SCAVENGER Tool Debris				Volume Recovery, bbl
	Chamber, % Full	Screening Chamber, % Full	Screening Chamber Magnet, % Full	Screening Chamber Screen, % Full	
1	100	100	100	60	0.564
2	75	20	100	70	0.266
3	70	50	100	85	0.336
4	10	12	100	40	0.061
5	0	0	100	50	0.000
				Total	1.227

Because of the ACTive services used in this application, the operator was able to run the WELL SCAVENGER tool alongside the coiled tubing into the expected fill area. The tool recovered a total of 1.227 bbl of cement debris from the well.

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