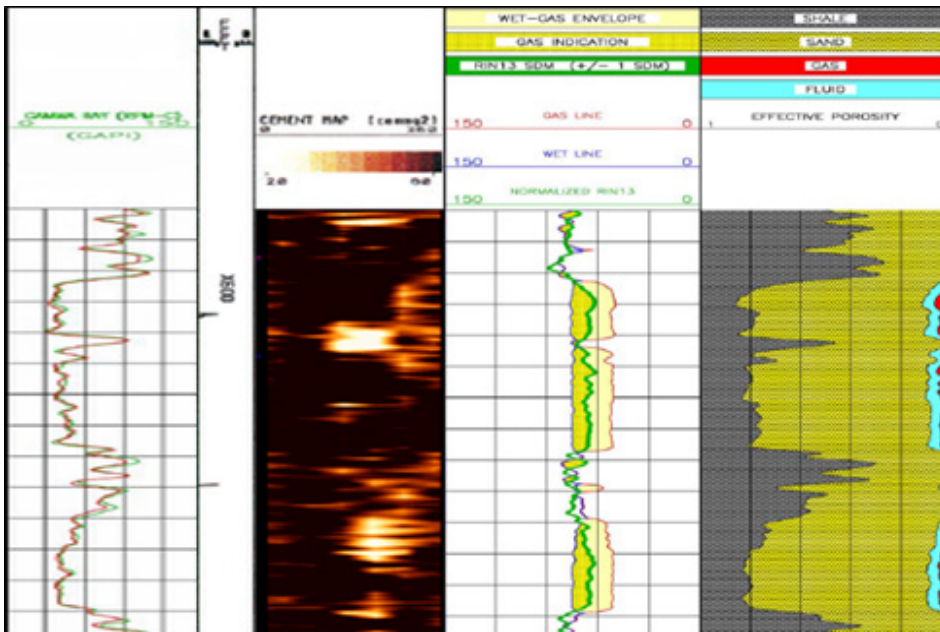


RPM CE concurrent cement and formation evaluation service

Evaluate cased-hole formations with confidence



The RPM CE service simultaneously evaluates cement and formations, which reduces formation evaluation ambiguities associated with the lack of cement bond information.

The Baker Hughes **RPM™ CE concurrent cement and formation evaluation service** provides an accurate formation fluid saturation analysis through the casing. Simultaneous cement bond evaluation with the **Segmented Bond Tool™ (SBT™)** and through-casing formation evaluation with the **Reservoir Performance Monitor™ (RPM™)** services optimizes data acquisition and provides an improved fluid saturation and petrophysical analysis.

Reduce ambiguity

The RPM service's response for varying formation fluid saturation conditions is characterized using Monte Carlo (MCNP) modeling to provide an accurate response in a wide range of borehole, casing, and cement scenarios. The unique **Dynamic Response Generator™** feature of the RPM CE service delivers accuracy and confidence in any reservoir condition.

Applications

- Wells with casing ID more than 4.5 in.
- Reservoirs requiring formation fluid monitoring during the production stage
- Gas cap buildup monitoring
- Accurate re-evaluation of pay zones
- Gas flood monitoring, including steam and CO₂ sequestration projects

Benefits

- Simultaneous cement bond and pulsed-neutron formation evaluation service
 - Accounts for variation in the cement bond while performing petrophysical analysis
 - Provides accurate formation evaluation and petrophysical answers
 - Reduces rig time with single pass data acquisition
- Pre-job MCNP modeling
 - Provides forward-looking curve response analysis under a variety of conditions, including cemented and uncemented borehole conditions
 - Increases reliability of processed data

The RPM CE service provides accurate cement bond log information, which accounts for cement variation behind the casing and reduces ambiguity in petrophysical analysis.

Log efficiently

The RPM CE service enables the logging capability of the SBT and RPM services to be run simultaneously—saving costly rig time. Pre-job modeling, using the Baker Hughes exclusive deployment management process, enables unassisted deployment on wireline, even in highly deviated wells, to save operational time and resources on tractor-assisted deployments.

Evaluate the formation through casing

The RPM service uses an advanced, slimhole, multi-detector, pulsed-neutron reservoir monitoring instrument. It is a versatile service that provides water saturation data with carbon/oxygen (C/O) and pulsed-neutron capture (PNC) measurements. The RPM service also delivers quantitative gas saturation using the **GasView™ service** and multi-phase formation fluid saturation using the **OilView™, FluidView™, and OmniView™ services**. Accurate knowledge of the cement bond augments the fluid saturation analysis provided by the RPM service.

Evaluate the cement bond in real time

The SBT service delivers real-time cement bond evaluation answers. It offers significant operating advantages over conventional and pulse-echo tools due to its insensitivity to heavy or gas-cut borehole fluids, emulsions, fast formations, tool eccentricity and heavyweight casings up to 1-in. thick.

For more information on how the RPM CE service can help in solving well integrity issues in your well, contact your Baker Hughes representative today or visit BakerHughes.com.

Specifications		
Length		80.91 ft (24.67 m)
Diameter	SBT	3.38 in (85.7 mm)
	RPM	1.69 in. (42.9 mm)
Pressure rating		20,000 psi (137.9 MPa)
Temperature		350°F (177°C)
Weight		947 lb (430 kg)
Minimum casing size		4.5 in. (114 mm)
Maximum casing size		12.25 in. (310 mm)

