



VisiTrak reservoir navigation and analysis service

Optimize well placement by mapping your reservoir architecture to surface seismic data

In complex formations, optimizing wells can be difficult and often results in increased nonproductive time, well placement uncertainty, and suboptimal recovery.

With advanced geospatial navigation technology, however, it's possible to map multiple bed boundaries and reservoir architecture in real time without the need for pilot holes.

The **VisiTrak™ reservoir navigation and analysis service** uses low-frequency, omnidirectional and azimuthal resistivity measurements to provide operators with a real-time, 360° view of the wellbore, enabling detection, measurement, and visualization of the reservoir architecture and multiple bed boundaries from 100 ft (30 m) away. This reduces seismic uncertainty in real time.

The VisiTrak service consists of four key components— dual-module assembly, Reservoir Navigation Services modeling software, multicomponent real-time inversion modeling software, and advanced, three-dimensional (3D) visualization software.

This fully integrated, LWD modeling package links to the operator's 3D earth model to facilitate fast, interactive updates and full interpretation of complex geological scenarios, as well as real-time collaboration on critical geosteering decisions.

The service's extended-range signal propagation and detection identifies and gathers precise, reliable data that are reviewed and analyzed immediately by experts to allow operators to not only see the target, but to drill straight to it and stay in it.

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67247 Rev. 11/17

Applications

- Deepwater
- Complex geology with channelized sands
- Horizontal and deviated wells

Benefits

- Maps multiple beds at a seismic scale up to 100 ft from the wellbore
- Provides enhanced azimuthal sensitivity for remote boundaries
- Predicts measurement responses and decision points
- Delivers full, real-time geological interpretation
- Improves well-construction efficiency
- Provides independent determinations for each layer's true, vertical, and horizontal resistivity
- Eliminates pilot holes and geological sidetracks
- Identifies and avoids water contact boundaries