Formation Evaluation Combo Unit
Efficient Modular Design Reduces Rig Footprint while Enhancing Functionality
Introducing the Industry’s Only Combined Service Unit

Halliburton's formation evaluation (FE) combo unit is a powerful tool, enabling significant reductions in rig footprint, personnel requirements and required onboard tools. Seamlessly integrating with cementing, drilling fluids and other Halliburton services, the unit provides a fully optimized system with everything necessary to maximize functionality without introducing extraneous or redundant equipment.

With its unique, space-efficient modular design, the FE Combo unit provides outstanding, all-in-one capabilities for:

- Mud logging, enabling the reliable monitoring of surface parameters to provide insights and early warnings of any change in wellbore conditions
- Logging while drilling, providing reliable data to guide well placement and keep the wellbore in the zone of interest or most productive part of the reservoir
- Wireline services, using industry-leading technology for dependable cased-hole and openhole logging with a full range of resources

A UNIQUE CABIN DESIGN ENHANCES FUNCTIONALITY AND SAFETY

Halliburton’s combined-service cabin houses common mud logging, wireline and LWD personnel. To ensure continuity of operations, this single, cross-trained crew supports the full range of FE activities while minimizing staffing requirements. Further enhancing functionality, the cabin can be placed anywhere on the rig floor or in an operations area, increasing space efficiency with an additional improvement in safety.

Particularly noteworthy, a new, remotely controlled multifunctional wireline winch enables the remote operation of FE tools. This winch is equipped with surveillance cameras, digital communications and emergency overrides which help increase safety during operation. These remote-control capabilities permit senior staff to move from the rigsite to a Halliburton remote operations center where they can monitor and conduct services from a central location. This, in turn, reduces personnel on the rig, which also helps increase safety.
OPTIMIZED SOLUTIONS TO MEET YOUR SPECIFIC FE NEEDS

The process begins with a dedicated Halliburton team with expertise in every aspect of rig development. This team collaborates with manufacturers through all phases of development, establishing a single point of contact that helps ensure streamlined operations and facilitates timely decision-making.

By integrating Halliburton solutions into the initial design phase, rig configuration and manufacture can be simplified while operational capabilities are enhanced. This optimized approach can also help decrease nonproductive time and reduce costs through the entire process, from design through installation and operation. The results fully comply with all relevant industry specifications while making the most of every inch of rig floor space and optimizing equipment design, manufacture and rig installation.

At Halliburton, we have an in-depth understanding of rig-floor space requirements, the critical importance of manufacturing deadlines and the value of integrated equipment systems that optimize performance during operations.

Using the Insite Anywhere® data delivery system, the FE Combo unit can provide mudlogging, LWD and wireline services in one space, improving efficiency while reducing crew size.

As reservoirs become more complex and drilling operations become more expensive, the need to reduce both inefficiencies and costs for acquiring and analyzing high quality formation evaluation information is essential.

The new remotely operated, multifunctional wireline winch is separate from the cabin and includes a full range of surveillance cameras, digital communications and emergency overrides to enable the efficient, long-distance monitoring of FE operations.
For more information about how a Halliburton’s unique, multifunctional FE Combo unit can help improve your formation evaluation capabilities while increasing safety and functionality, contact Rajib Bora, Rajib.Bora@Halliburton.com