OVERVIEW
The FiberLog™ Wire Line (WL) service offers the capability of monitoring wells for various applications during the different phases of a well. FiberLog WL service delivers a more efficient and cost effective method for continuously monitoring in dynamic hole conditions, as compared to other conventional monitoring methods. The service would be a cost effective alternative to traditional PLTs.

The service employs an electro-optic wireline cable that is built to be deployed in deep deviated and horizontal wells. The cable comprises of an electrical conductor next to a multiple-fiber optical cable embedded in a wireline armoring. The conductor can be used to power the tractor to reach to depth in deviated and horizontal wells and run other mono-conductor wireline sensing tools. The fibers in the optical cable are used to monitor wells using the advanced distributed sensing technologies, Distributed Temperature Sensing (DTS) and Distributed Acoustic Sensing (DAS). The fibers can also be used for high speed communication for the wireline sensing tools.

APPLICATIONS
» Leak Detection/Wellbore Integrity Monitoring
» Injection Flow Profiling
» Production Flow Profiling

Equipment Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cable Diameter</td>
<td>5/16 in. (+0.005 in. -0.002 in.)</td>
</tr>
<tr>
<td>Maximum Voltage</td>
<td>1,500 VDC</td>
</tr>
<tr>
<td>Conductor AWG Rating</td>
<td>15</td>
</tr>
</tbody>
</table>

FEATURES
» Ultradeep well monitoring capability
» Low weight and small footprint for offshore use
» Cable terminations according to safety standards
» Multi-technology surveys where distributed fiber optic sensing is combined with conventional point sensors in one run
» Enable future developments of high data rate logging tools

BENEFITS
» Industry standard wireline size making it easy to implement distributed fiber optic sensing technologies in existing intervention plan
» Compatible with standard electric line pressure control equipment
» Compatible with mono-conductor Cased-Hole Logging Tools
» Compatible with Wireline Tractors

For more information, contact your local Halliburton representative or visit us on the web at www.halliburton.com