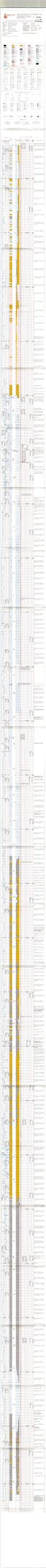
Wireline Formation Tester

Schlumberger

Mark Proett
Wilson Chin
Gerald Hill
Jeffrey Kasap
Jeffrey Kosman
Houston, Texas, USA

Oilfield Review Autumn 1999

Wireline formation testers have been used for more than 40 years to measure formation pressure and collect fluid samples. Recent developments in formation testing tools and methods have greatly increased the value of the data obtained. Modular tool designs allow operators to configure tools for specific applications. Advanced pressure gauges and probes provide high-quality pressure measurements in a wide range of formations. Fluid analysis and sampling tools can identify and collect samples of the fluids of interest. Pressure and fluid data can be used to identify reservoir compartments, determine fluid gradients and contacts, and predict fluid flow.

Introduction
Tool Configurations
Pressure Measurements
Fluid Analysis and Sampling
Applications
Conclusions