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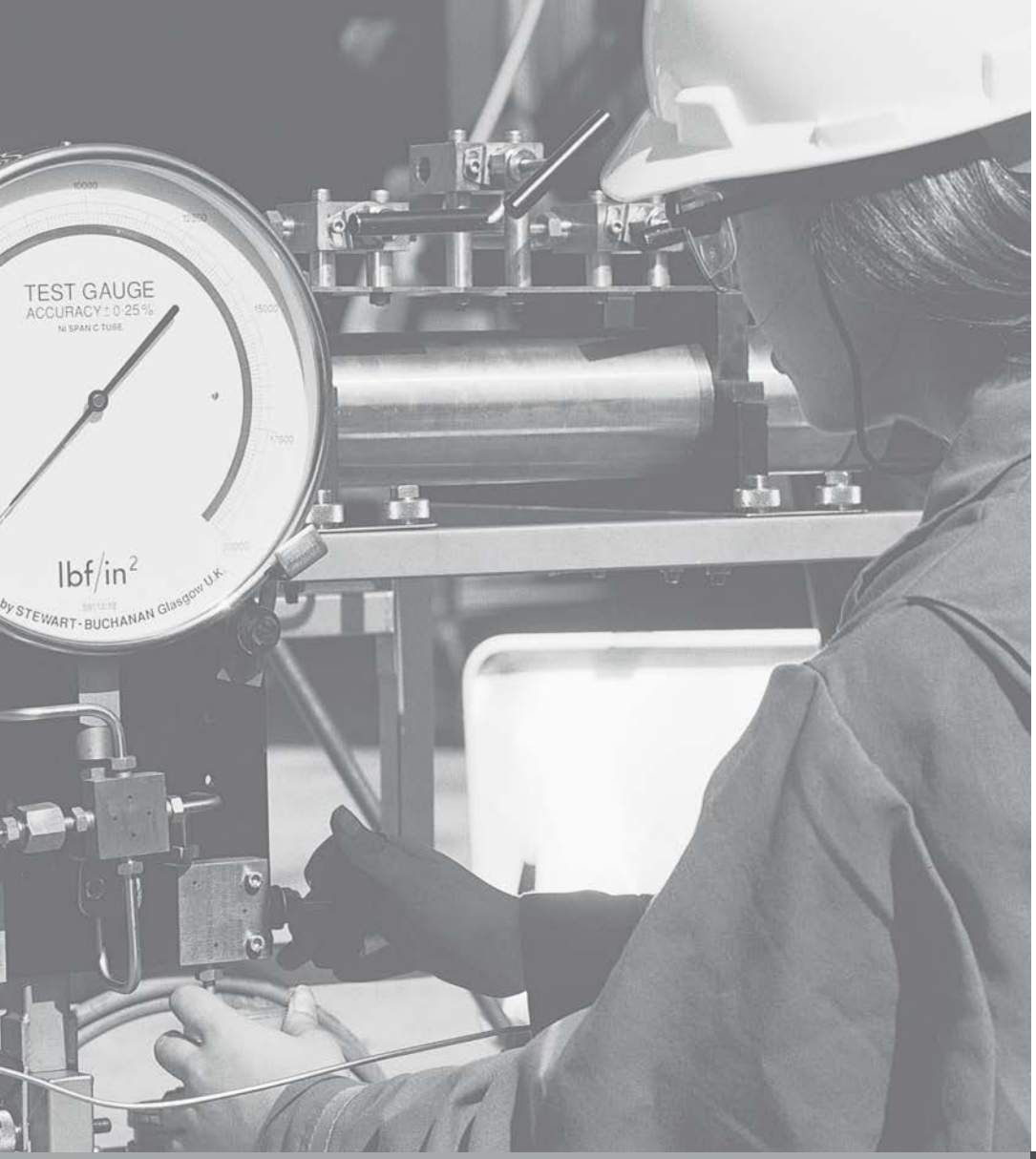
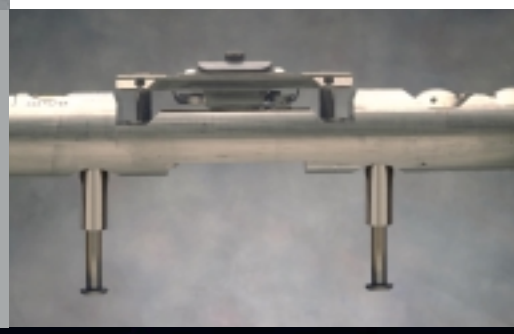


SRFT Slimhole Repeat Formation Tester



Accurate pressure measurements and fluid sampling in small-diameter boreholes

Applications

- Formation pressure measurements and fluid sampling in
  - short radius horizontal wells
  - unstable or restricted wells

Benefits

- Negotiates slim holes and tight restrictions
- Delivers accurate pressure measurements for interpretation
- Reduces filtrate contamination of final sample
- Provides safe transport for sample bottles
- Saves rig time through safe and efficient operations

Features

- Operates in holes up to 8 in.
- Small tool OD of 3⅜ in.
- Improved CQG* gauge
- Segregated sampling using one 2¾-gal dump chamber and 450-cc sample chamber
- DOT-certified sample bottle
- Optional water cushion controls flow during sampling
- Optional backup shoes
- Combinable with other MAXIS* tools

SRFT tester overview

The SRFT* Slimhole Repeat Formation Tester—with a 3⅜-in. outer diameter (OD)—brings wireline formation tester services to small-diameter boreholes. It can also be run in wells where conventional tools cannot because of abrupt changes in angle, swelling formations, hole restrictions and other drilling problems.

The SRFT tool can be repeatedly set and retracted during a single trip in the well. Quick, accurate pressure measurements are provided by the CQG Crystal Quartz Gauge.

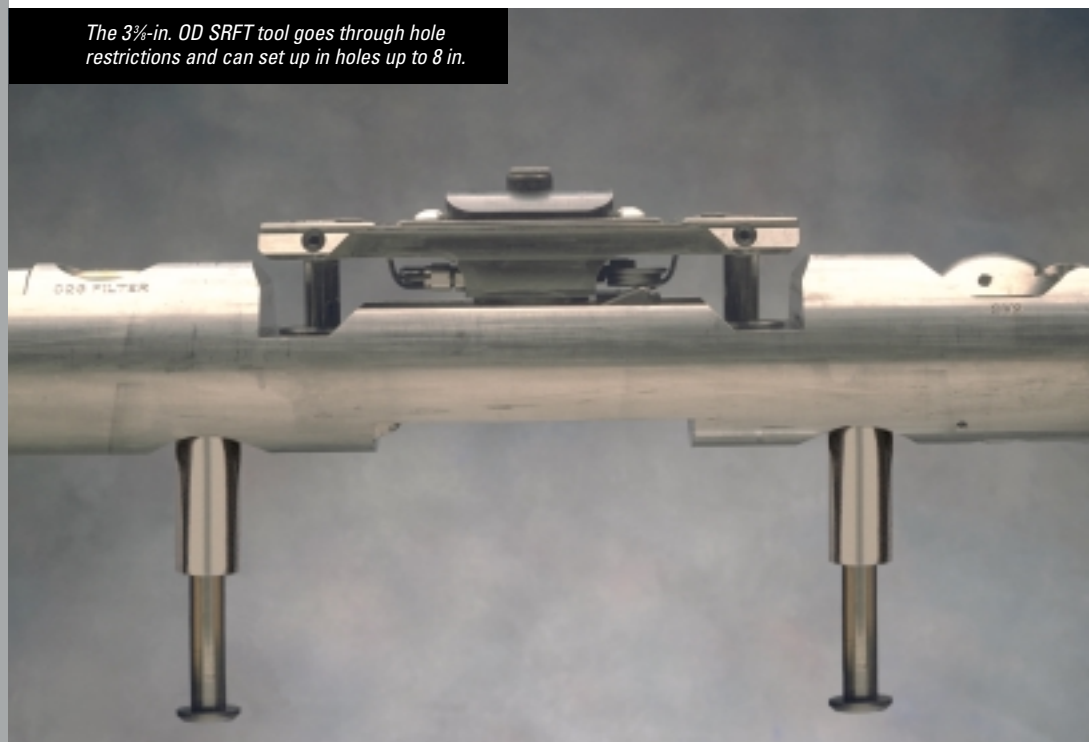
One segregated sample can be recovered in a sample bottle that is DOT approved for transport. Alternately, two fluid samples can be recovered from two different depths.

SRFT specifications	
Max pressure	20 kpsi
Max temperature	350°F [177°C]
Max hole size	8 in. (10 in. with large hole kit)
Pretest volume	5 mL
Sample options	450 mL and 2⅜ gal
Max OD	3⅜ in.
Length	46 ft
With water cushion	56 ft
Weight	900 lbm
With water cushion	1037 lbm

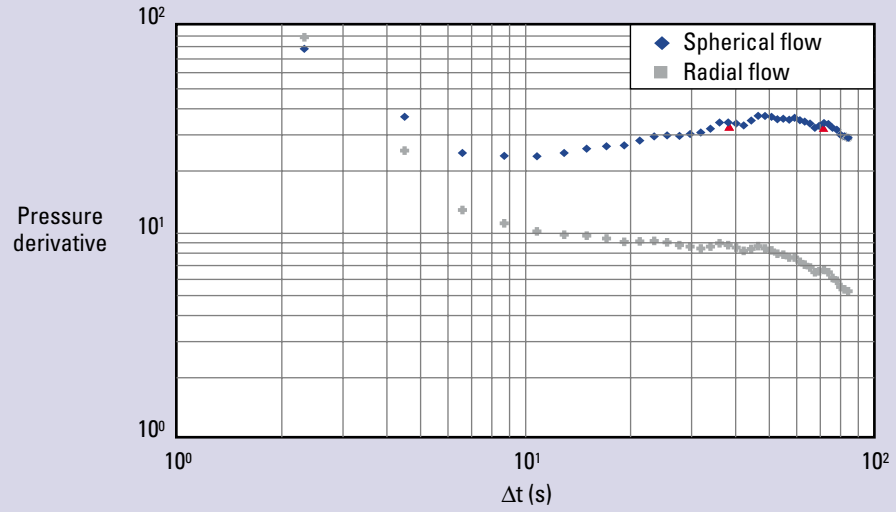
Pressure gauge specifications	
Strain gauge	
Range	0 to 5, 10, or 20 Kpsi
Accuracy	±0.1% full scale
Resolution	0.001% full scale
CQG gauge	
Range	0 to 15 kpsi
Accuracy	±2.0 psi ±0.01%
Resolution	0.003 psi at 1-s sampling rate

The easily detachable, DOT-approved transportable sampling bottle collects a segregated fluid sample or two samples from different depths.

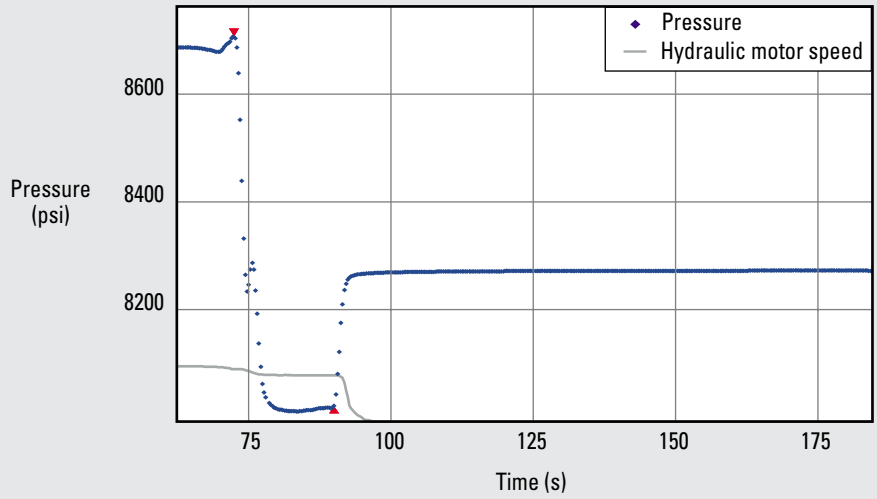
The 3⅜-in. OD SRFT tool goes through hole restrictions and can set up in holes up to 8 in.



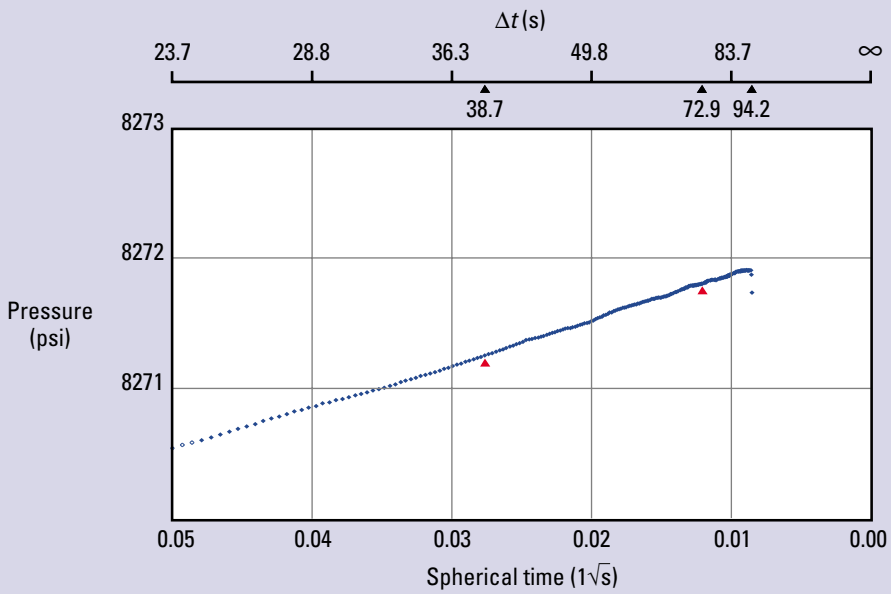
Real-time analysis identifies the flow regime.



Real-time plot of CQG pressure measurements versus time provides an estimate of drawdown mobility.



Depending on the flow regime, buildup mobility analysis can be conducted at the wellsite using data acquired by the SRFT tool.



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