RESERVOIR DESCRIPTION TOOL (RDT™) FORMATION TESTER

Enhanced Probe Section

ENHANCED DUAL-PROBE SECTION

The Enhanced Dual-Probe Section (EPS) offers increased efficiency through its ability to perform multiple tests with a single set of the tools and obtain quartz pressure from each probe depth. Dual Probes enable more reliable determination of formation pressure and mobility, as well as a more detailed understanding of heterogeneity and anisotropy.

ZERO-OFFSET GAUGES

Using an on-depth quartz gauge on each probe provides the ability to obtain pressure at each probe depth in a single station. Zero offset of the gauges removes errors introduced by the offset of the gauge to the probe depth.

DPS PROBE SELECTION

Complex conditions require unique solutions. Our customizable service allows formation pressures and anisotropy data to be collected with our standard Dual Probes. When sampling or downhole fluid identification is required, we offer the Oval Pad, the industry's largest single-pad surface flow-area probe. For minimizing rig time, nothing but the best is required. The Focused Oval Pad combines the extra-large surface flow area of the Oval Pad empowered by split-flow focusing. It delivers the lowest contamination samples possible with industry-leading efficiency.

FOCUSED OVAL PAD

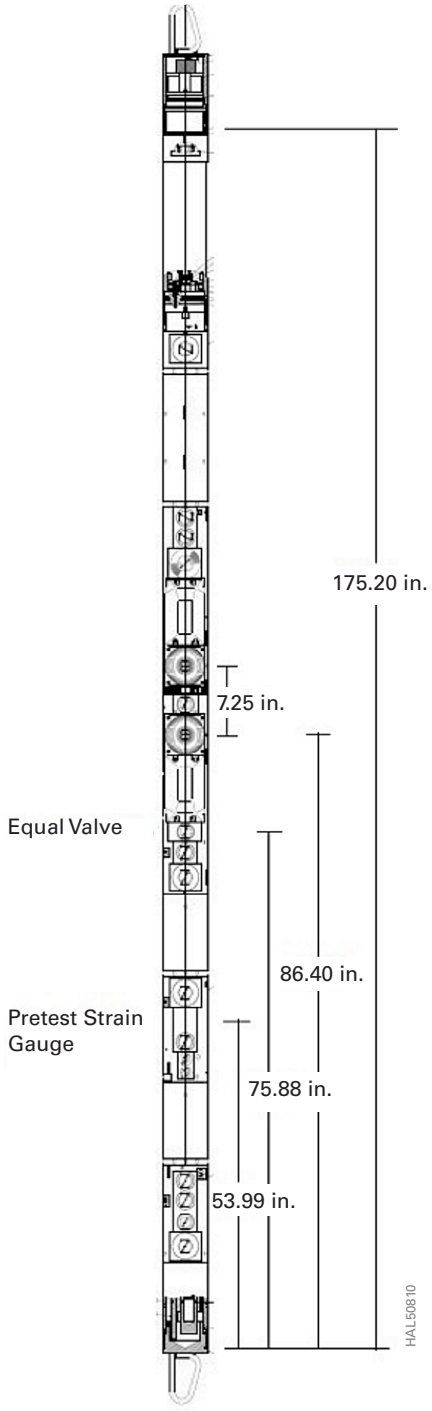
Cleaner, faster samples, even in low permeability

Combining the extra-large surface flow area of the Oval Pad and empowered by split-flow focusing, the Focused Oval Pad delivers the lowest contamination samples possible with industry-leading efficiency. With increased focus on high-quality samples in less rig time, the Reservoir Description Tool (RDT™) Focused Probe delivers ultraclean samples with the fastest pump rates and largest focused probe area.

DPS OVAL PAD

Running circles around the competition

Our proven RDT Oval Pad has the advantage in all environments due to its larger flow area and vertical straddle of the formation.



Dimensions and Ratings

Max Temperature	375°F (190°C)
Max Pressure	25,000 psi (172 MPa)
OD*	4.75 in. (12.07 cm)
Length	14.59 ft (4.44 m)
Weight	550 lb (249 kg)

* OD at probe dependent on hole size

Borehole Conditions

Borehole Fluids	Salt ■	Fresh ■	Oil ■	Air ■
Recommended Maximum Logging Speed	Stationary			
Tool Positioning	Centralized ■	Eccentralized ■		

Hardware Characteristics

Probe Spacing	7.25 in. (221 cm)		
Hole Size	5⅞ in. to 22.0 in. (19.37 cm to 55.88 cm)		
Probe Options	Dual Probe Oval Pad Focused Oval Pad	(5⅞ in. to 22 in.) (5⅞ in. to 17½ in.) (8½ in. to 12¼ in.)	(19.37 cm to 55.88 cm) (19.37 cm to 44.45 cm) (21.59 cm to 31.11 cm)
Pad Flow Area	Oval Pad (15.09 $in.^2$) / Focused Oval Pad (9.8 $in.^2$)		
Pretest Volume	100 cc	50 cc	
Pretest DD Pressure	10,000 psi (69 MPa)	20,000 psi (138 MPa)	
Pretest Rate	0.1 cc/sec - >12 cc/sec (Variable)		

Measurement

Strain Gauge Pressure Transducers	
Accuracy	Resolution
+/- 0.1% full scale	0.2 psi (1.4 KPa)
Pressure Transducer: Flowline	
Quartz Gauge Pressure Transducers	
Accuracy	Resolution
+/- 0.01% full scale	0.01 psi (0.07 KPa)
Dual On-depth Quartz Gauges on Probe 1 and Probe 2	

Physical Strengths

Hardware	Tool Joints
Tension	200,000 lb (90,719 kg)*
Compression	200,000 lb (90,719 kg)*
Torque	600 ft-lb (813 N-m)*

* Strengths apply to new tools at 70°F (21°C) and 0 psi.

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

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