

Basic Reservoir Characterization Tester (BRCT)

GOWell's Basic Reservoir Characterization Tester (BRCT) is a third-generation product of the formation tester family, characterized by the function of Pump-Through.



BRCT Tool String

DESCRIPTION

The tool is composed of a surface system and a downhole sonde. The surface system includes the data acquisition and process software, PC, DC control panel and AC power supply. The downhole sonde is composed of:

- Upper electronics
- Mechanical mandrel
- Hydraulic section
- Sensor section
- Lower electronic (with standard configuration)
- 2z520cc large sampler with optional configuration

APPLICATIONS

The BRCT is compact, convenient, safe and efficient. It can partially replace Drill Stem Testing operations (DST) in order to save rig time. It provides economical and reliable solutions to formation evaluation for oilfield exploration and engineering. It can be run on any service company logging unit and only requires a winch, cable head and depth measurement system. In addition, all measurements will be provided in real time.

The BRCT includes the following recordings:

- Telemetry
- Gamma Ray
- Pressure recording

FEATURES

- Provides accurate formation pressure measurement
- Formation fluids multi-sampling
- Large sample capability (up to 1048cc)
- Pump-Through capabilities for sampling segregation
- Real time fluid analyzer including conductivity and fluid density measurements
- Controlled formation fluids flow rates

SPECIFICATIONS

BRCT - Basic Reservoir Characterisation Tester

General Specs

Maximum Pressure	16,000 PSI (110 Mpa)
Maximum Temperature	302 °F (150°C)
Diameter	5.5 in. (13.97 cm)
Length (Standard Configuration)	37 ft. - 8.8 in. (11.5 m)
Weight (Standard Configuration)	11,57.43 lbs (525 kg)
Maximum Tensile load	60,000 lbs
Maximum Compression load	10,000 lbs
Borehole Diameter Range	7"-18" (77.8 mm-457.2mm)
Quartz Pressure Gauges	Range: 0-16,000 PSI (0-110.3 MpA) Accuracy: ±0.01% F.S.
Strain Pressure Gauge	Range: 0-16,000 PSI (0-110.3 MpA) Accuracy: ±0.2 % F.S.
Resistivity Measurement	0.05 Ωm - 20.0 Ωm
Capacitance Measurement	0.05 mho/m - 20mho/m
Density Measurement	0.1g/cm3 - 2.0g/cm3
Multi-Sampler (Standard Configuration)	9X50CC, 4X150cc, 2X488cc, 1X1048cc
Large Sampler (Optional Configuration)	2X520cc, 4X520cc, 6X520cc
Cable	7 Conductor
Cable Head	3-3.8" Cable Head
Surface Power Supply	110VAC 60Hz

*Specifications are subject to change as tools are constantly being improved