

Core Acidizing (CA-S30)



Description:

The core acidizing system is designed to make it possible to inject an acid solution into the rock sample at reservoir conditions to modify the natural permeability of the rock by dissolving some minerals present in the rock. Since the material is Hastelloy, it is possible to determine the efficiency of different HCl-HF formulations and study the effects of flow rate and temperature on the permeability of the core samples.

Technical Specification:

Hassler core holder
Core diameter: 1.5"
Maximum core length: 6"
Maximum working pressure: 1000 bar
Maximum confining pressure: 1000 bar
Pressure transmitters
Pressure transmitter accuracy: 0.25% full scale
Differential Pressure transmitters
Gas Back Pressure
Maximum working temperature: 100°C
Fluid Accumulator: 750 cc (Stainless Steel 316L)
Wetted parts: Hastelloy C-726 and stainless steel 316L
Computer System: Equipped with software for automatic data acquisition and monitoring system