

KWAT

Wireline Abandonment Tool

APPLICATIONS

- Wireline multi-zone abandonments
- Hole hunts for wellbore leaks
- Pressure testing plugs and existing downhole barriers

BENEFITS

- Wireline only operations
- 50% less installation times
- Reduced cost over standard abandonment operations
- Improved safety by reducing service footprint
- Reduced emissions

FEATURES

- Ability to pressure test in multiple locations in the same run
- Test any downhole barrier:
 - Cement Retainers
 - Packers
 - Permanent Plugs
 - Retrievable Plugs

TOOL SPECIFICATIONS

- Casing size / weight
 - 4.5" 9.5-15.1 #/ft
 - 114.3mm 14.14-22.47 Kg/m
 - 5.5" 14-17 #/ft
 - 139.7mm 20.83-25.30 Kg/m
- Temperature Rating: 110°C / 230°F
- Max OD 4.5" 92.7mm / 3.65 in
 - 5.5" 116.8mm / 4.60 in
- Length: 9.2 m / 30.2ft
- Pressure rating: 68.9 MPa/ 10 Ksi

ELIMINATE ALL THE EXTRA STEPS, TIME, AND COST!

Allowing for wireline only multi-zone abandonments by simultaneously setting and pressure testing the bridge plug on wireline. The WACORP K-WAT tool sets and pressure tests the bridge plug eliminating the slower tubing run. Saving as much as 50% in both time and expense compared to current practice for a multistage abandonment.

While monitoring the pressure above and below the WACORP K-WAT tool seal, the bridge plug is set and confirmation of pressure integrity test is completed immediately. Pressure is increased between the K-WAT element and the set bridge plug element and recorded via the tool string and surface software. This allows abandonment operations to be carried out by a wireline truck only rather than requiring both a wireline unit and service/coil rig.

THE DOWNHOLE INFORMATION YOU NEED FOR OPERATIONAL SUCCESS!

Gamma Ray, Casing Collar Locator, Pressure, Temperature and Resistivity sensors.

The bridge plug is logged and set in place by pumping fluid from the wellbore above, thru the tool, to the area below. By default, the volume is minimal, and the pressure increases rapidly. Pressure below and above the tool is monitored continuously yielding a digital and paper record of the entire process. Confirming barrier integrity and regulatory board approved data files of the pressure test.

Improved reliability of pressure test confirmation and a drastic reduction in the abandonment timeline results in reduced cost and improved efficiency.

