

KRYVALIS™

INTEGRATED PACKER SOLUTIONS FROM METROL

The KRYVALIS is retrievable well testing packer system which provides the features and performance of a permanent production packer for drillstem testing. It is primarily run in a single trip, it is retrievable and designed to be compatible with the PARAGON suite of wireless tools for use in single DST's, multi-zone DST's and production wells.

DESCRIPTION

The KRYVALIS high-integrity single-trip packer is set by opening a port to a hydrostatic setting chamber and allowing well pressure to act on a piston. This pressure provides the setting force and movement of the packer components during transition, also releasing the seal stem assembly, allowing the packer to be spaced out.

The packer can be set by bursting a rupture disc or opening the setting port using a wireless telemetry activation command.

The packer is retrieved by applying tension to the seal stem, shearing out the tool, collapsing the slips and creating an area for the packing element to relax whilst opening a flow bypass to prevent swabbing.

FEATURES & BENEFITS

- > Single-trip, hydraulically set, no requirement for drill collars and simplifies DST string design as it eliminates the need for running numerous Slip Joints, Jars and Safety Joints.
- > No requirement to rotate the string to set packer, so ideal for deviated or subsea wells.
- > Subsea tree and gun positioning before isolation packer setting.
- > Stinger seal engagement in sealbore at all times.
- > Several packers can be set allowing multi-zone DST options.
- > No need to stab and unstab seals from sealbore for major string space out.
- > Non elastomeric premium seal unit on locator may be body tested in any locator space out.
- > Simple adjustment of locator space out; no subs or crossovers required.
- > Built-in contingency release.
- > Data from gauges positioned below packer is retrieved wirelessly and not subjected to string movement.
- > Barrel slip design.

SPECIFICATIONS

Validation grade:	ISO 14310 level V3
Quality grade:	ISO 14310 level Q1
Packer differential pressure rating:	15,000psi
Temperature rating:	176-350°F (80-177°C)
Hydrostatic chamber rating:	20,000psi
ID nominal:	2.250"
Gauge OD max for casing 7" 29-32#:	5.895"
Gauge OD max for casing 7" 35-38#:	5.720"
Locator stroke:	20ft
Space-out increment:	5ft
Length:	47ft
Setting method:	Hydrostatic pressure, minimum required 4,500psi
Release method:	Straight pull
Release load:	Field adjustable
Service:	NACE compliant

