

SEV-SET PACKER

PRODUCT 402

The **TechWest Sev-Set Packer** is a tool designed with the ability to be inflated and deflated several times in a run and they are fully retrievable. The Sev-set Packer can be used for several applications in open or cased hole.

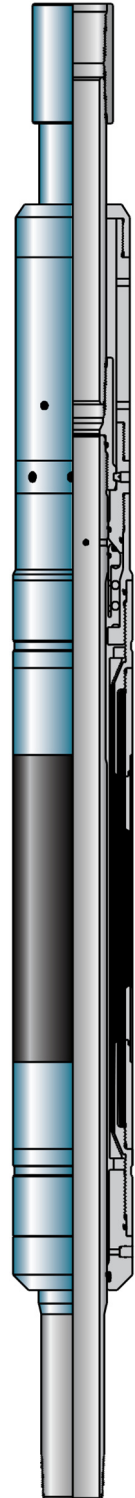
The Sev-Set packer can be deflated and inflated multiple times due to the construction of the elements which is made using cable reinforcement and they come in the fully covered or partially exposed elastomers which are also suitable for both normal and sour service. The tool is re-set by dropping specially designed darts.

FEATURES

- Hydraulic set, suitable for high-angle and horizontal applications
- Fully reinforced element
- Can be partially exposed for firm anchoring inside casing
- Straight forward and easy redress for additional runs on location
- Suitable for sour service
- Suitable for open and cased holes

SPECIFICATIONS

402 SPECIFICATION GUIDE		
Tool OD in	Tool ID in	Thread Connections
4.25	1.995	2-3/8 EUE BOX X PIN
5.50	2.441	2-7/8 EUE BOX X PIN
7.50	2.922	3-1/2 EUE BOX X PIN



APPLICATIONS

ZONAL ISOLATION

The Sev-set packer is a reliable, simple and cost-effective means of isolating several zones in either openhole or casing and performing various operations ranging from testing to determining flow rates and fluid production.

CASING PATCH TESTING

After a casing patch is set to repair damaged casing, the Sev-set Packer can be used as a reliable tool to test the patch by setting the tool just below the patch and applying pressure to the annulus. This confirms that the integrity of the well is maintained after repairs.

CEMENT RETAINER FOR SQUEEZING OR TREATING FORMATIONS BELOW THE TOOL

Squeeze cementing is used to repair casing leaks, remedy a deficient primary cement job like incomplete coverage or under-achieving top of cement, change the water/oil or gas/oil ratio by shutting off the breakthrough zone, seal lost-circulation zones, modify injection profiles, abandon a non-productive or depleted zone or even the entire well.

The Sev-Set Packer is used to inject or squeeze cement into a problematic void space at a desired location in the well. This versatile tool is used at any time during the life of the well: drilling, completions or production.

The Sev-Set is typically set above the zone to be treated but depending on the remediation need, squeeze cementing operations can be performed above or below the fracture gradient of the exposed formation (high pressure squeeze and low-pressure squeeze, respectively).

OPEN HOLE TESTING

The Sev-Set packer is used for testing in openhole to perform injectivity or flowback tests by isolating a section of the hole. This is mostly done in exploratory wells to gather valuable information about a reservoir.

WELL PRODUCTION

The Sev-Set Packer can be used for well production in cases where there is damaged casing due to collapse and the well requires production. A Sev-set Packer is simply run into well and set below the damaged casing and the well is produced through the packer.

BRIDGE PLUG

The Sev-set Packer is a versatile tool suitable to be run as a Permanent or Retrievable Bridge Plug for various applications in openhole or casing. Typical applications will include isolation in open hole or casing and then testing an interval for oil while blocking production from the heel and toe.