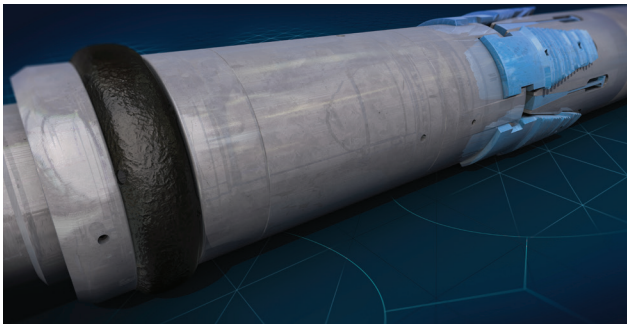
release operation allows the slips and packing element to disengage for efficient, reliable removal. *bakerhughes.com*



**The Baker Hughes BASTILLE HP/HT removable production packer was engineered to reliably separate from the casing, even after years of exposure to harsh conditions. (Source: Baker Hughes)**

## Wax inhibitors, PPDs deliver results

Water-based polymers are dispersed in water using a Dow proprietary dispersion technology. The products work as a crystal modifier technology for long chain and/or problematic waxes present in crude oil. The ACCENT products also provide high active concentrations to reduce logistical costs, no flammable organic solvents and an environmentally friendly profile to oilfield chemical treatment programs. These value-differentiated pour point depressant (PPD) products can provide excellent freeze protection stability, even at -40 C (-40 F), and can be easily pumped without clogging the injection lines, even in arctic-type environments. Dow understands that all crude systems are different and can provide an ACCENT PPD Test Kit to test and select the best product for a waxy crude. *dowoilandgas.com*

## Ultraconductive ceramic proppant designed for harsh environments

KRYPTOSPHERE LD is an ultraconductive or low-density ceramic proppant technology that significantly exceeds the conductivity, compressive strength and durability of existing low-density proppant. It consists of precision-engineered strong durable round mono-sized and smoother proppant grains and is a single-mesh-sized product manufactured to any size required to suit well conditions. KRYPTOSPHERE LD creates a fracture with more uniform pore throats and more space for hydrocarbon flow. It maintains the highest flow rates and levels of conductivity for the productive life of the frack and reduces flow path tortuosity to reduce nonDarcy impacts and improve overall conductivity. KRYPTOSPHERE LD offers improved proppant transport and higher propped volume compared to intermediate-density proppant, significantly less erosion during pumping, and less wear and tear on equipment and tools. The higher flow rates and larger propped volume increases recovery and return on investment, lowering finding and development costs per barrel of oil equivalent. *carboceramics.com*

## Proppant pack delivers enhanced flow

FUSION proppant pack consolidation technology creates a bonded, high-integrity proppant pack with or without closure stress. The technology provides well integrity critical to inject and produce at the ultrahigh rates required to improve well economics and increase EUR. With FUSION, E&P operators no longer need to limit water injection rates to protect the integrity of the annular pack and safeguard the well, removing unnecessary limitations that reduce production rates and EUR from the reservoir. FUSION offers durable high-conductivity ceramic proppant with proprietary resin coating, enabling controlled bonding of the proppant pack using a unique chemical activator. The bonding process forms a strong, flexible bond without compression even in low-temperature environments to create a high-integrity pack that withstands stress cycling to sustain long-term pack integrity. FUSION technology also bonds with closure stress, allowing a single resin-coated proppant to be used in a continuous frack and pack operation. *carboceramics.com*

## Fluid loss cell offers improved capabilities, safety features

**Chandler Engineering's new Model 4300 Fluid Loss Cell measures the fluid loss properties of muds and cement slurries. (Source: Chandler Engineering)**

Fluid loss from muds and cement slurries to a permeable formation can significantly impact performance or damage the formation. If the cement slurry loses too much fluid, its strength can be compromised and require costly remedial intervention. The Model 4300 Fluid Loss Cell from Chandler Engineering measures the fluid loss properties of muds and cement slurries in accordance with American Petroleum Institute procedures. Chandler developed the Model 4300 Fluid Loss Cell to eliminate safety issues that have been associated with traditional fluid loss instrument designs. The cell is designed using threaded end caps that eliminate the dangers associated with set screw-style cells and pop-off valves within the hardware design to prevent overpressure scenarios. *chandlereng.com*