

DPU[®] for Crown Plug Retraction

STRAIGHT-PULL SOLUTIONS FOR CROWN PLUG PULLS SLICKLINE AND RELAY[™] DIGITAL SLICKLINE OPERATIONS

OVERVIEW

The Halliburton Downhole Power Unit (DPU[®]) and Elite Downhole Power Unit (EDPU) can be set up to pull subsea horizontal wellhead crown plugs with a straight pull when jarring is not effective.

- » High linear pulling force
- » Extended stroke length to pull upper and lower crown plug from on set point
- » No-go shoulder or downhole anchor
- » Onboard key performance indicator (KPI) data
- » Can pull any size of SRP or SRP crown plugs
- » Gauge hangar (GH) pressure-release pulling tool
- » Small-footprint slickline setup for superior efficiency

FEATURES

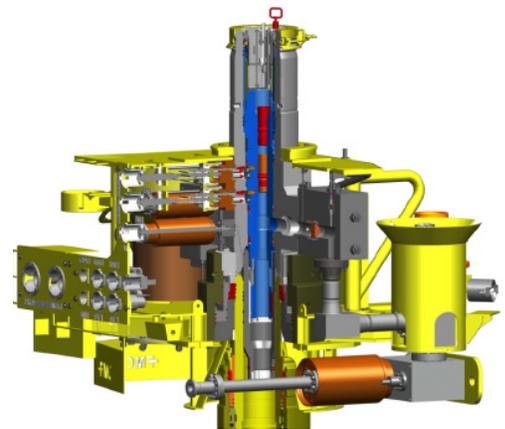
- » Pulling force of up to 80,000 lbf
- » 36-inch stroke length to pull upper and lower crown plug from on set point
- » Onboard memory to analyze setting force, motor voltage, motor current, stroke length, and elapsed time to provide a digital signature of the set
- » Anchoring via a no-go shoulder that lands onto a profile or the Elite Downhole Anchor Tool (EDAT)
- » An EDAT can be set up for multiple pipe sizes, and it uses three large pads to minimize force on the pipe
- » GH pulling can be released in the crown plug fishing neck by pressuring up
- » RELAY[™] digital slickline (DSL) system offers real-time depth correlation, surface readout KPI data, and on-command control for both the EDAT and EDPU

BENEFITS

- » Small-footprint slickline setup for superior efficiency compared to an e-line stoker or coiled tubing
- » Single rig-up where intervention can start with jarring and, if required, move to straight-pull a DPU or EDPU without rigging down or rigging up e-line
- » GH pulling tool is designed to release with pressure at the fishing neck if the reservoir is depleted, which makes retraction of the lower crown plug very difficult
- » Non-pressure-compensated design allows for a hydrostatic boost during crown plug retraction
- » Short tool design allows for easy rig-up for limited-height scenarios
- » Designed for a slow electro-mechanical set, and the tool is jarring tolerant
- » Setup support and shear stem, if required, to space out
- » Engineering support to space out DPU or EDPU with no-go shoulder or EDAT



3.59-inch DPU[®] with 36-inch stroke and GH pulling tool



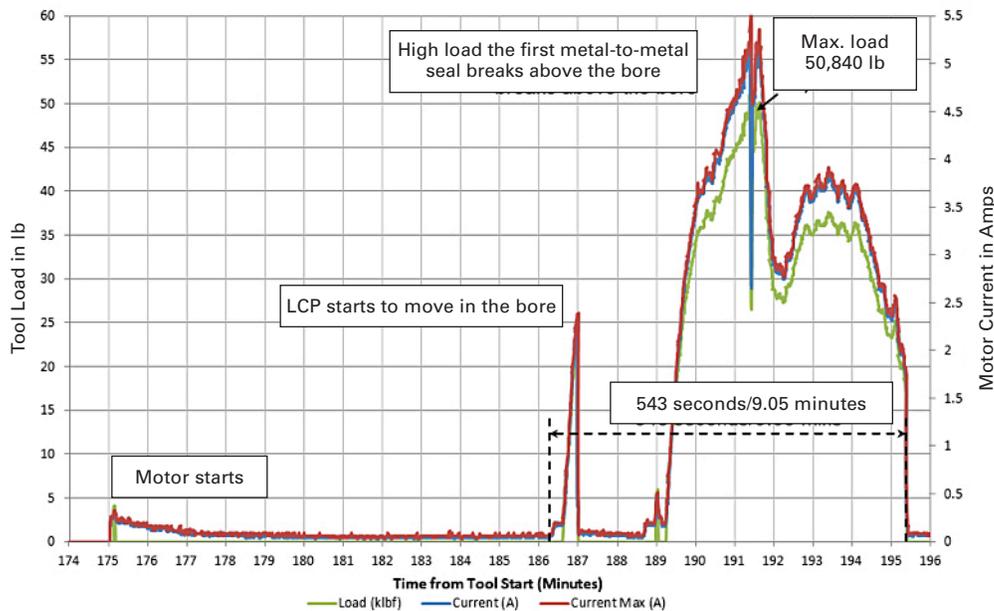
Subsea horizontal wellhead with crown plugs

Elite Downhole Power Unit (EDPU) Specifications

Tool Specifications	DPU 3.59-ES	EDPU 3.59-ES
Outside Diameter	3.59 in. (91.2 mm)	3.59 in. (91.2 mm)
Setting Force	60,000 lbf* (266.9 KN)	60,000 lbf* (266.9 KN)
Stroke Length	36.0 in. (914.4 mm)	36.0 in. (914.4 mm)
SL/RELAY™ DSL	SL (Timer Set)	RELAY DSL (On-Command Set)
Surface Readout (SRO) or Memory	Memory	Surface Readout
Anchoring	No-Go Shoulder	No-Go Shoulder or EDAT
Pressure Rating	10,000 psi (69 MPa)	10,000 psi (69 MPa)
Temperature Rating	329°F** (160°C)	329°F** (160°C)
Length	160.0 in. (4064.0 mm)	146.9 in. (3731 mm)
Weight	308.5 lb (139.9 Kg)	308.0 lb (139.7 Kg)

* Optional 80,000-lbf tool available

** Temperature rating of 329°F (165°C) with lithium batteries, and 250°F (121°C) with alkaline batteries



Digital signature plot of a lower crown plug retraction

For more information, contact your local Halliburton representative or visit us on the web at www.halliburton.com

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