



BLACKHAWK
SPECIALTY TOOLS
A division of Frank's International

Value vision

BLACKHAWK'S BRUTE® PACKER/CIRCULATING VALVE AND MULTIPLE DART CATCHER IMPROVES OPERATOR'S WELL INTEGRITY

PROBLEM

After running and performing a primary cement job on their 18-inch liner, an operator was unable to achieve a test on the casing and was uncertain where it was leaking. The operator needed a cost effective and reliable solution to successfully determine where to perform a cement squeeze.

SOLUTION

- Blackhawk's BRUTE® Packer and BRUTE® Unloader Circulating Valve were set and un-set multiple times along the length of the casing in an attempt to locate the source of the leak.
- Once the leak was located, a cement squeeze was initiated. Utilizing the Blackhawk Multiple Dart Catcher and two (2) Blackhawk Darts provided the operator with a mechanical barrier between the cement and mud, and an accurate indication to determine correct displacement on their cement squeeze.
- Blackhawk's Wireless Cement Head with SkyHook™ Cement Line Make Up Device was utilized to circulate the wellbore, set the BRUTE® Packer, make up the cementing line, and launch the top and bottom dart catcher darts wirelessly.
- The Blackhawk Multi-Service Operator (MSO) was available to provide services for all of the Blackhawk products on location, **greatly reducing personnel on board (POB) and associated costs.**

VALUE TO CUSTOMER

- The operator was able to successfully test the casing multiple times along the casing length to determine where to mitigate the casing leak.
- Eliminated extra trips in the riding belt by utilizing our wireless cement head with the SkyHook™ device, saving rig time, and improving safety.
- Simplified operations and improved cost efficiency by providing one MSO to service and run the cement head, dart catcher, and packer.
- Eliminated the need to run other costly drillable-type products that would require an additional trip and equipment to drill-out.
- The operator successfully squeezed and tested the 18-inch casing using a suite of Blackhawk solutions.



CUSTOMER

Gulf of Mexico Deepwater Operator

JOB TYPE

Deepwater GoM, ~4,710 ft. water depth

LINER SIZE

18 in.

SHOE DEPTH

~13,100 ft. MD

PRODUCTS/SERVICES

Wireless Cement Head, SkyHook™ Device, Multiple Dart Catcher, BRUTE® Packer, BRUTE® Unloader Circulating Valve