

PBL® Facilitated Safe Pooh To The Surface, Effectively Mitigating Full Well Control Through The PBL® Using The Dart



Challenge

While drilling the 12 ¼-in. hole section of a well in Egypt with an 8 ¼-in. PBL® tool in the string, the operator encountered plugged bit nozzles at a depth of 10,290 ft. At the time, the operation recorded a standpipe pressure of 2,800 PSI with a flow rate of 20 GPM.

Solution

To resolve the issue, the Operator activated the PBL® using a dart. This required multiple jerks while applying 1,900 PSI until the dart landed on the seat, successfully activating the PBL®.

The team worked the plugged string until circulation was successfully re-established through the PBL® tool. Operations continued at 200 GPM with a standpipe pressure of 250 PSI, after which the hole was safely pulled out (POOH) to change the bit.

Execution

Mobilization	July 6
RIH	July 9
July 12	First activation ball drop-in to inject LCM through PBL® to cure losses
July 18	Second activation ball drop-in to inject LCM through PBL® to cure losses
July 19	Third activation by dart-in. as string was plugged



PBL® Dart tool.

