



ReLine HYD

Expandable Liner Strengthens Worn Casing

PROBLEM

Prior to sidetracking, the operator discovered significant casing wear inside their 13-3/8 in. casing from previous drilling. This worn casing needed to be strengthened the next sidetrack could be drilled.

SOLUTION

- Mohawk's premium expandable liner system ReLine HYD was deployed across two separate damaged sections
- The OD of the expandable liner was expanded to the drift of the operators casing to maximized the expanded liner ID
- Elastomeric seals at the top and bottom of each liner were used to ensure 100% isolation
- A whipstock was set across the lower expandable liner set from 7,580–6,191 ft
- With premium expandable connections, the expandable liner can be as long or as short as required

RESULTS

- Both of the expandable liners were successfully deployed covering a 4,057 ft interval
- The expandable liners isolated the worn casing sections while also providing mechanical support during the window cutting process for the sidetrack
- This well was successfully sidetracked and drilled to a TD of 22,000 ft

PROJECT DETAILS

Location: Gulf of Mexico, USA
Date: October 2010
Well Measured Depth: 22,000 ft
Casing: 13-3/8 in. 68 lb/ft
Patched Interval Length: 4,057 ft

Liner #1 Length: 1,389 ft
Liner #2 Length: 2,668 ft.
Expanded Liner ID: 11.583 in.
Whipstock: 7,520 ft

