

ANTELOPE

CentraMax® RT1, Better Technical Solution To Centralizer Subs With Enormous Cost Savings

Deepwater - Gulf of Mexico

The Challenge:

Operators face tough challenges when centralizing casing in tight tolerance deepwater wells. Among those tough challenges is the product decision to help guide casing to bottom and achieve a successful primary cement job.

While drilling in the Gulf of Mexico, Chevron faced a challenging casing string application that required them to run a very deep/ heavy weight 16" liner to a record depth, in a deviated and under-reamed well bore.

Rather than utilize centralizer subs (a more standard offering), Chevron opted to run Antelope's proprietary On-The-Pipe-Solution™ for a technically superior alternative. Additionally, Chevron was able to secure a superior product with a substantial cost savings to them.

Well Parameters:

In the Walker Ridge Field, drilling in 7,000' of water, Chevron was required to run the 16" casing through an 18.25" ID restriction at the 18" supplemental hanger and through an 18.125" ID restriction at the 22" casing shoe track. The 16" liner was to be run to 24,000' and centralized in a 21" under-reamed hole with 22° of inclination. The liner was a mixed string of 16" 97# and 16.15" 127# casing and weighed well over 2,000,000 lbs. The weight was such that Chevron would not have been able to POOH after the shoe reached 19,000' making the centralization even more critical.

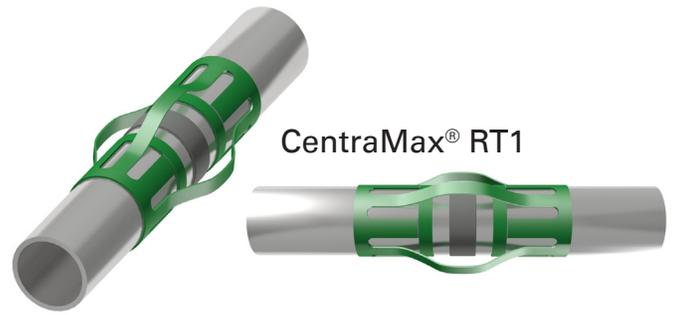
The Solution:

Antelope's team recommended using the CentraMax® RT1 single piece, centralizer with WearSox® internal thermal spray metal stops.

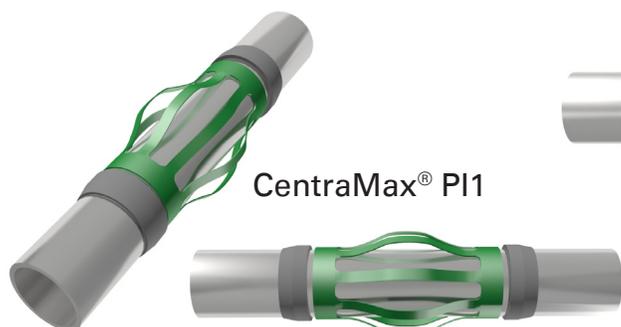
The CentraMax® RT1 is Antelope's On-The-Pipe-Solution™ that provides Operators a technically superior alternative to in-line centralizer subs. It is pulled in both directions when used with WearSox® internal stops.

The Result:

Using the CentraMax® RT1 Centralizer with a WearSox® internal stop, the customer was able to run the casing to the bottom and accomplished their objective of a successful primary cement job. In addition to a successful job, Chevron also realized a savings of greater than 60 percent, by installing centralizers directly to the casing, as opposed to the expense of using in-line centralizer subs.



CentraMax® RT1



CentraMax® PI1



CentraMax® PT1

