



CONOCO PHILLIPS, MALAYSIA

TUR CENTRALIZERS ARE PULLED THROUGH A FMC SUB-MUDLINE RECEPACLE WITH A 17.183" RESTRICTION WITH NO ISSUES

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| Region: | South East Asia |
| Field: | SB311 |

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| Country: | Malaysia |
| Type: | Deep water |

THE CHALLENGE

A vertical (2 degree) well with a depth of 1,110 in Malaysia. A FMC sub-mudline receptacle with a restriction of 17.183" was in the 20" casing at ~920m.

THE SOLUTION

The customer ran 600m of 16" liner with 1 Centek TUR 16" x 20" centralizer per 4 joints in open hole (based on inclinations <1deg). Aside from the initial push required to get the shoe centralizer into the wellhead, no issues were observed running the centralizers through the wellhead and the SML hanger restriction. Unfortunately a problem was encountered when landing the SML hanger in the receptacle and the liner had to be pulled back.

The customer encountered no problems pulling all the centralizers back through the 17.183" restriction, subsequently re-running them through the restriction and into the hole again.

THE RESULT

The liner was not pulled back far enough to verify the condition of any of the centralizers and stop collars but there was no Centek equipment bunched up underneath the hanger proving that all centralizer equipment stayed in place and worked as intended.

“ Again, Centek equipment has shown itself to be well-suited to a difficult application ”

Luke Morris, Conoco Phillips



TUR – Under-Reamed Centralizer

- Single piece, laser cut non-weld unit
- Reduced restart force in RIH
- Reduced running force and drag, saves rig time RIH
- Durability allows for make-up at the pipe yard or on the pipe rack improving efficiency and safety versus make-up on rig floor
- Positive location in under-reamed or wash out conditions with excellent stand-off performance

EXCELLENCE TO THE CORE