

CASE STUDY



WHAT

ArticuLock

WHERE

South Africa

WHEN

Q3 2020

WITH

MODU

WHO

Anonymous

WATER DEPTH

1760m

WHY

Remove bending stress

Save Rig Time

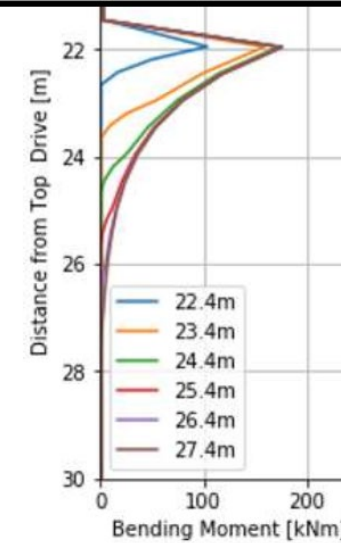
Extend dual operations capability

Optimise well execution

Increase environmental durability



Articulock placement



CHALLENGE

Auxiliary operations not possible with environmental loading subjecting bending load on the system during critical path operations on Main. 24 day top hole operation on previous well.

SOLUTION

ArticuLock used to de-couple the fixed MODU from the hanging conductors and surface strings, enabling dual operations.

RESULTS

Up to 317MT of surface casing and landing string suspended beneath ArticuLock for 75hrs with 4.3knots of current and up to 5m of significant wave height.

283m³ of cement slurry pumped through ArticuLock.

15kNm of torque to release CART

Saved 14 days from top hole operations.

Saved ~5 600 MT of CO₂