



WellHOP™

UK first use of new shallow application slickline system

– minimising the offshore footprint and achieving well to well transfer in only 40 minutes

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WellHOP™ overview

- Shallow application system
- ATEX zone 1 rated utility winch
- Side mounted drum c/w 3000ft GD31MO 0.125" slickline
- 6-5/8" 10k pressure rating
- Audible and shutdown alarm system for H₂S and CH₄



SNS intervention - HMV repair (single well)

Problem:

Leaking HVM discovered during pre start-up checks

Objectives:

Mobilise to set well barriers to allow for the repair of HVM and minimise delay to well start-up

Challenges:

- Mobilise asap
- First intervention
- Limited deck space
- Limited POB
- 12 hour days only (crew transferred to/from walk to work vessel)



Preparation – what do we need to consider?



- NUI
- Platform elevation
- Utilities
- Operation parameters

Preparation and logistics



- The WellHOP™ and associated equipment was planned for a 17 day, 12-hour operational work scope
- Equipment was successfully mobilised in only six main lifts
- WellHOP™ transportation frame c/w WellHOP™ system
- Tool container c/w with pressure test package
- Two open top containers c/w assembled PCE package, well control panel, WellHOP™ power pack/control unit and associated spares
- Generator for electrical power
- Compressor for air supply

WellHOP™ operations

- Equipment was spotted and prepared for skid deck for a stand-alone operation
- WellHOP™ system was rigged up and pressure tested successfully prior to any runs in the well
- Interwell simulated drift was deployed to a depth of 650ft RKB to confirm clear access for setting the deep-set BP
- 2 x 4.35” Interwell ME bridge plugs, shallow junk catcher set and tested successfully
- H MV repaired
- Catcher and bridge plugs successfully retrieved





CNS intervention – C77 block repair (multi well campaign)

Problem

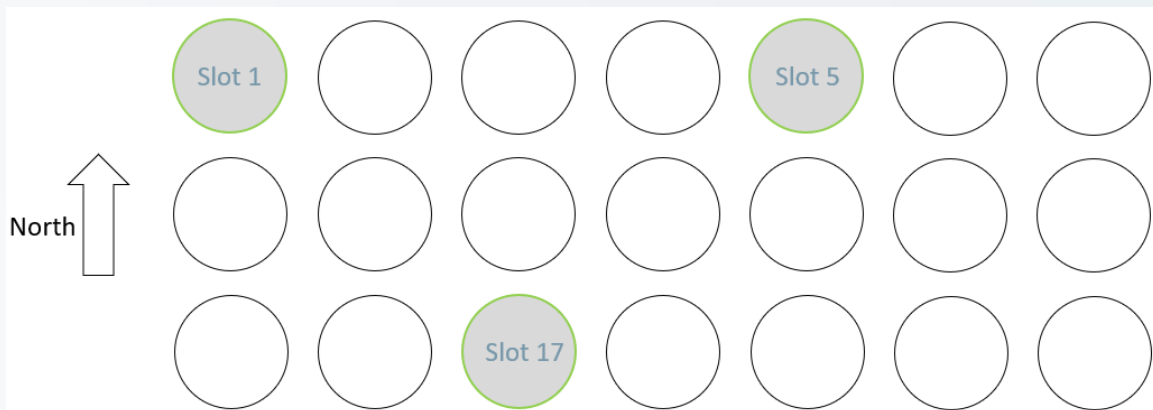
- C77 block leak on multiple wells

Objectives

- Mobilise to set well barriers to allow for the repair

Challenges

- Limited deck space/structural constraints
- Limited POB/time in plan



Application history

Wellvene were asked to mobilise the WellHOP™ system for the purposes of setting and inflow testing an Interwell bridge plug on two wells with storm choke integrity issues. Operations would include, but not limited to:

- Prepare equipment on platform skid deck
- Establish barriers and take control of Well #1. RIH to drift and tag storm choke @ 1729ft, set Interwell bridge plug (7") @1707ft
- RIH and set junk catcher above Interwell bridge plug
- Establish barriers and take control of Well #2, RIH to drift and tag storm choke @ 946ft, set Interwell bridge plug (5.5") @900ft
- RIH and set junk catcher above Interwell bridge plug
- Inflow test plugs, rig down and hand wells back to production



Application history

- Single lift operations were paramount to the efficiency of the platform operations for a two well campaign
- This was performed in 40 mins inclusive of having the WellHOP™ system operational



Any questions?

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