Decommissioning

Subsea Abrasive Water Jet Cutting

Case Study
Project Description

• Multi Operators approached Oceaneering to review well schematics of 8 subsea wells in UKCS and propose a solution for the safe and efficient recovery.

• Upon review of information for each well, each recovery would face its own challenge (access / Non H4 profile / Cement Patio’s / unknowns – lack of cement in annulus etc).

• Oceaneering proposed a methodology for each well including contingency options for each.

• Project took place October/November 2015.

• Customer also indicated that pricing was to be submitted as a lump sum campaign.
Primary Equipment: Internal Multi-string Cutting Tool (IMCT)
Challenging Wells
Cement Patio Break Up Tools
Challenges: Lack of Cement in Annulus
Challenges: Recovery/Non H4
Pile Dredging
External Wellhead Cutting
Wellhead Recovery
Wellhead Protection Structure
Recovered Structure
Conclusion

• Through the extensive time spent up-front prior to mobilisation, we were able to ensure the correct equipment including all contingency equipment was onboard to cover all eventualities.

• With the correct equipment onboard, we were able to complete these 8 challenging wells within budget, on time (1 day on WOW) and without any requirement to sail to port for further equipment mobilisations.

• Successful completion of this project using this pricing strategy shows a step change in how these work scopes can be completed and favour all parties.

• Currently bidding further work for client based on success of operation.
Driving Efficiencies in Decommissioning

Day Rate v Lump Sum:

- High amount of wells to be Decommissioned in the UKCS – next 5 years account for large % of decommissioning activity.

- Decommissioning is here and now.

- Risk v Reward.

- Is it feasible to bid the final (or other) stages of decommissioning on a lump sum basis?

- Do you fully know & understand your risk?

- Known knowns, known unknowns, unknown unknowns.

- Weather Risk – W.O.W