



North Sea Decommissioning Conference St Andrews, November 2023

ALARP Design – why should you care?
Matt Jenkins – Chief Operating Officer



Where is the value in P&A??



Pump less cement?



Maximise Reuse/Recycling?



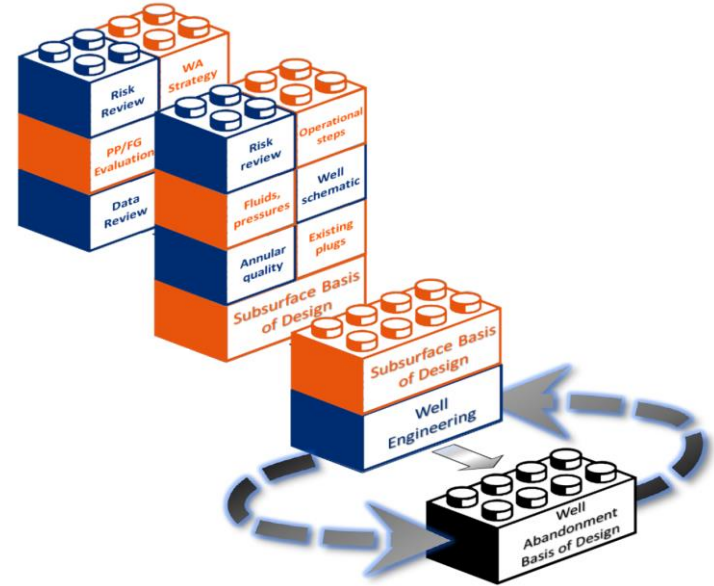
Perfect the logistics?



Squeeze the supply chain?



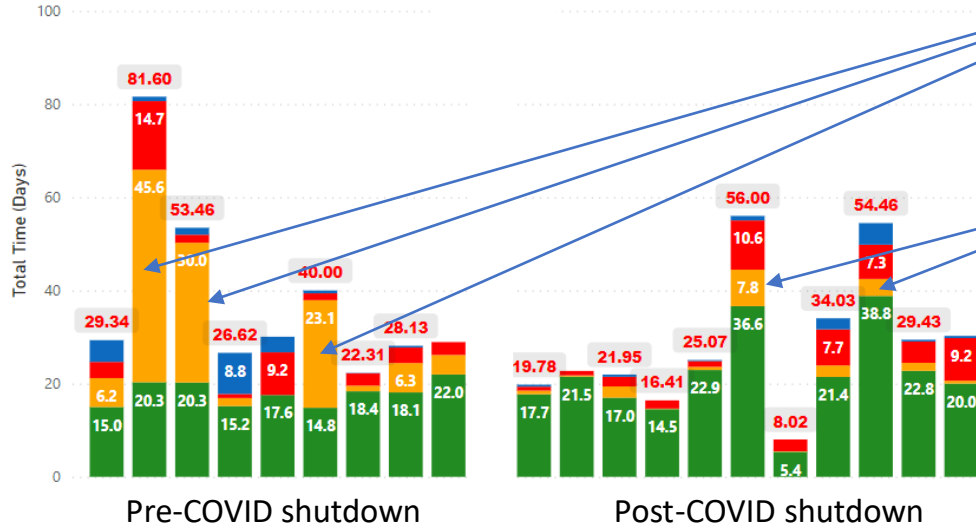
Optimise the design?



Imperfect design – then the reset...

Operational Time Summary

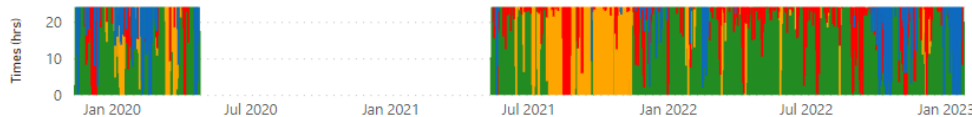
Time Name ● Planned Time ● Contingency Time ● Non-Productive Time ● Waiting on Weather



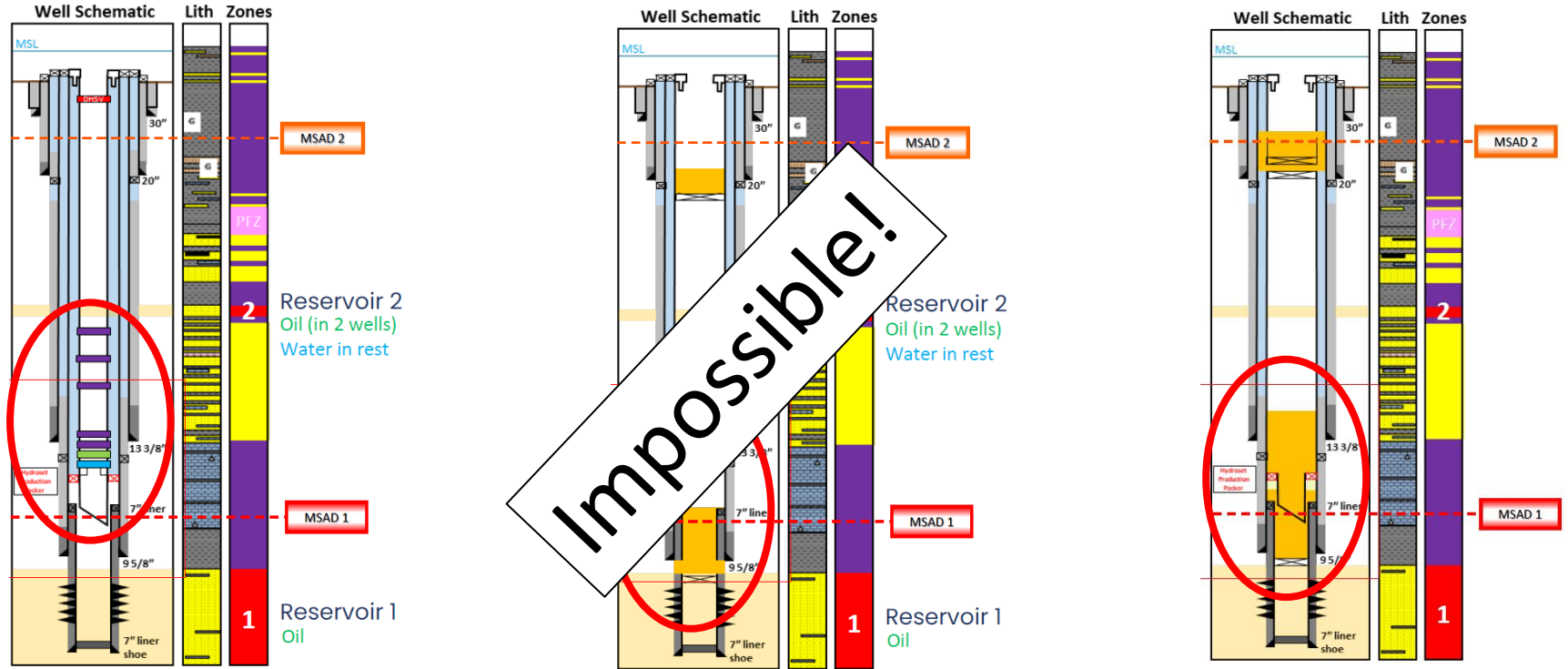
The design was causing us to attempt operations that were creating additional risks and time overruns

Having the time to optimise the design and learning lessons allowed a material improvement in performance

Operational Performance Timeline



Balancing the impossible



So what?



Pump less cement? **No, we pumped more**



Maximise Reuse/Recycling? **No, we left more in the well**



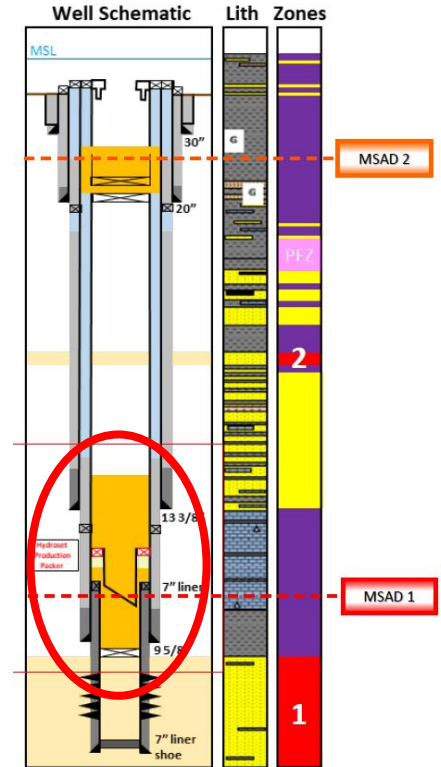
Perfect the logistics? **Not really**



Squeeze the supply chain? **Didn't need more supply chain**



Optimise the design? **Design was now both possible and ALARP**



So what?



~7 days per well saved



9 wells in the field benefitting from the design



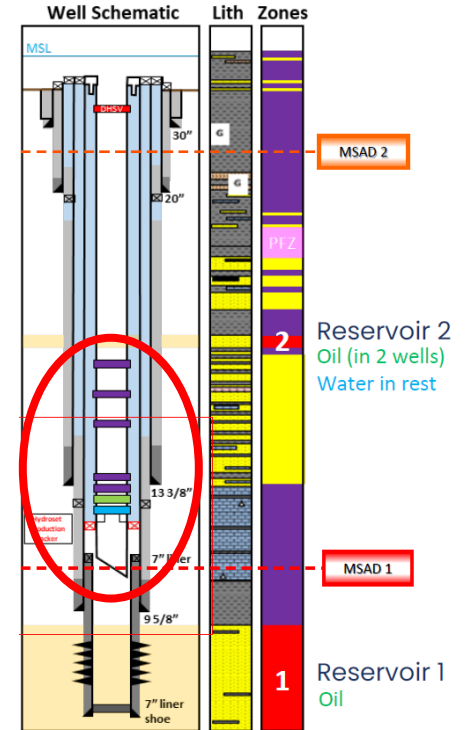
Spread rate of £300,000/day



£18.9mm of avoided cost – Opportunity



If 7 becomes 14? £18.9mm is the floor, not the ceiling



Summary

The optimum P&A design is rarely the perfect one, balance is necessary

A design that focusses too much on reducing risk, can increase it

Invest in learning lessons early, allow the team to try and fail

The value of good engineering is vastly outweighed by the cost of poor engineering



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