

# Greater Ekofisk P&A Challenges – Casing Removal

Havtil Fagdag 8<sup>th</sup> May 2025

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# Cautionary Statement



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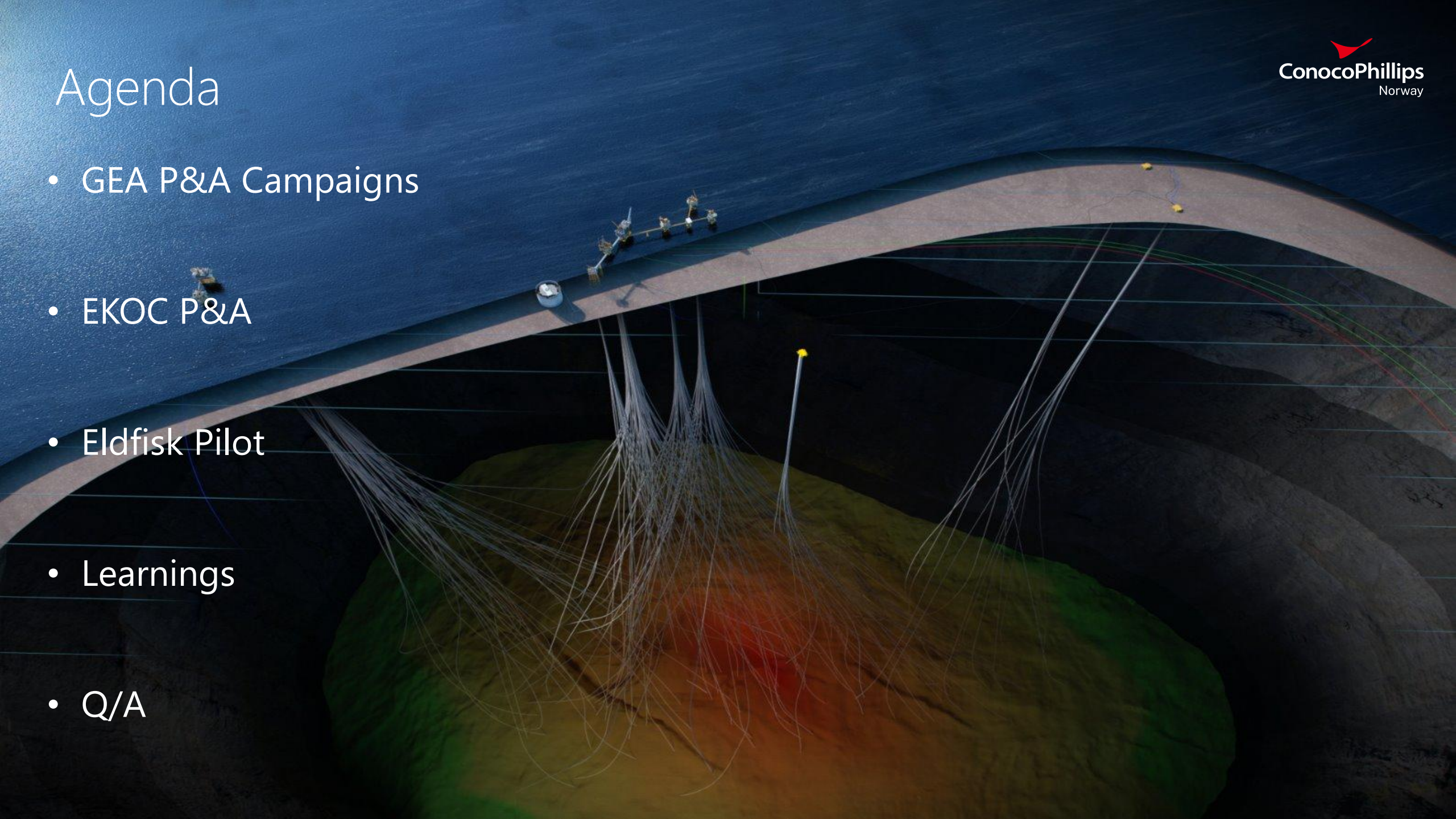
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# Agenda

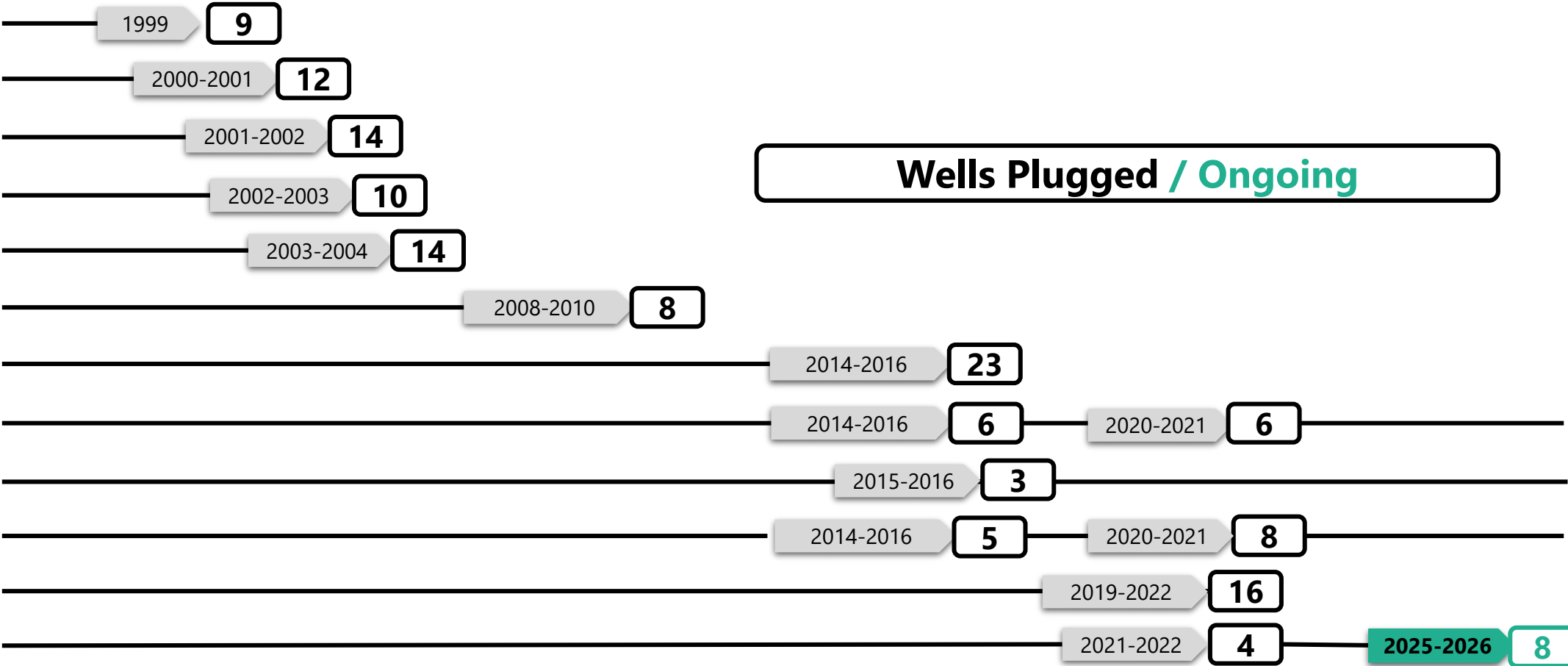
- GEA P&A Campaigns
- EKOC P&A
- Eldfisk Pilot
- Learnings
- Q/A



# GEA P&A Campaigns

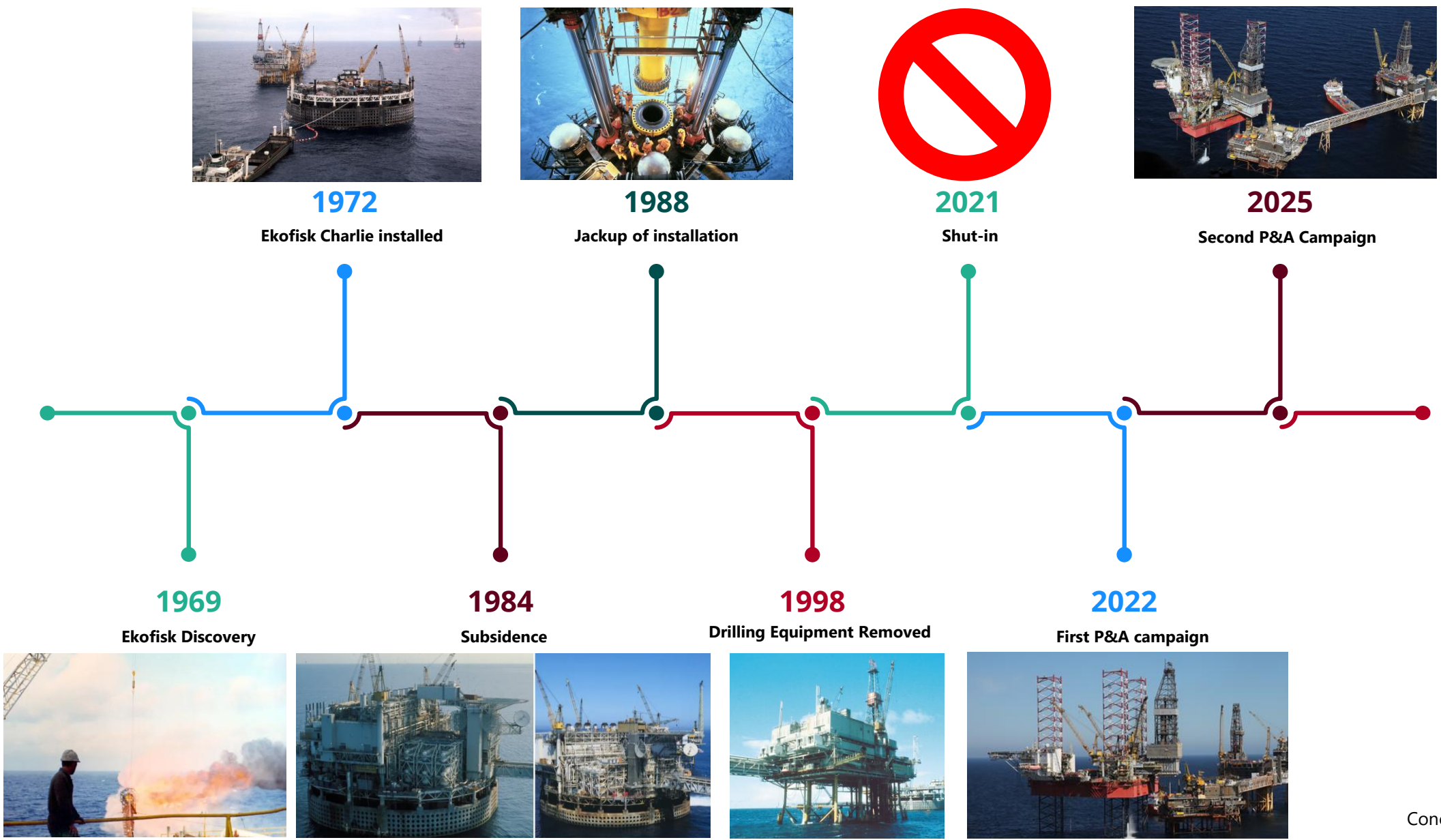


Platform
Cod
Albuskjell F
Vest Ekofisk
Edda
Albuskjell A
Ekofisk W
Ekofisk A
Eldfisk B
Eldfisk A
Ekofisk B
Tor
Ekofisk C





# Ekofisk Charlie



# EKOC P&A

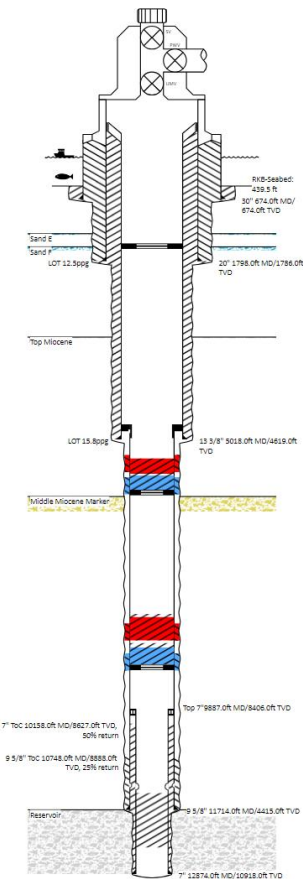


## Scope

~450 rig days / 8 wells

## High level P&A scope

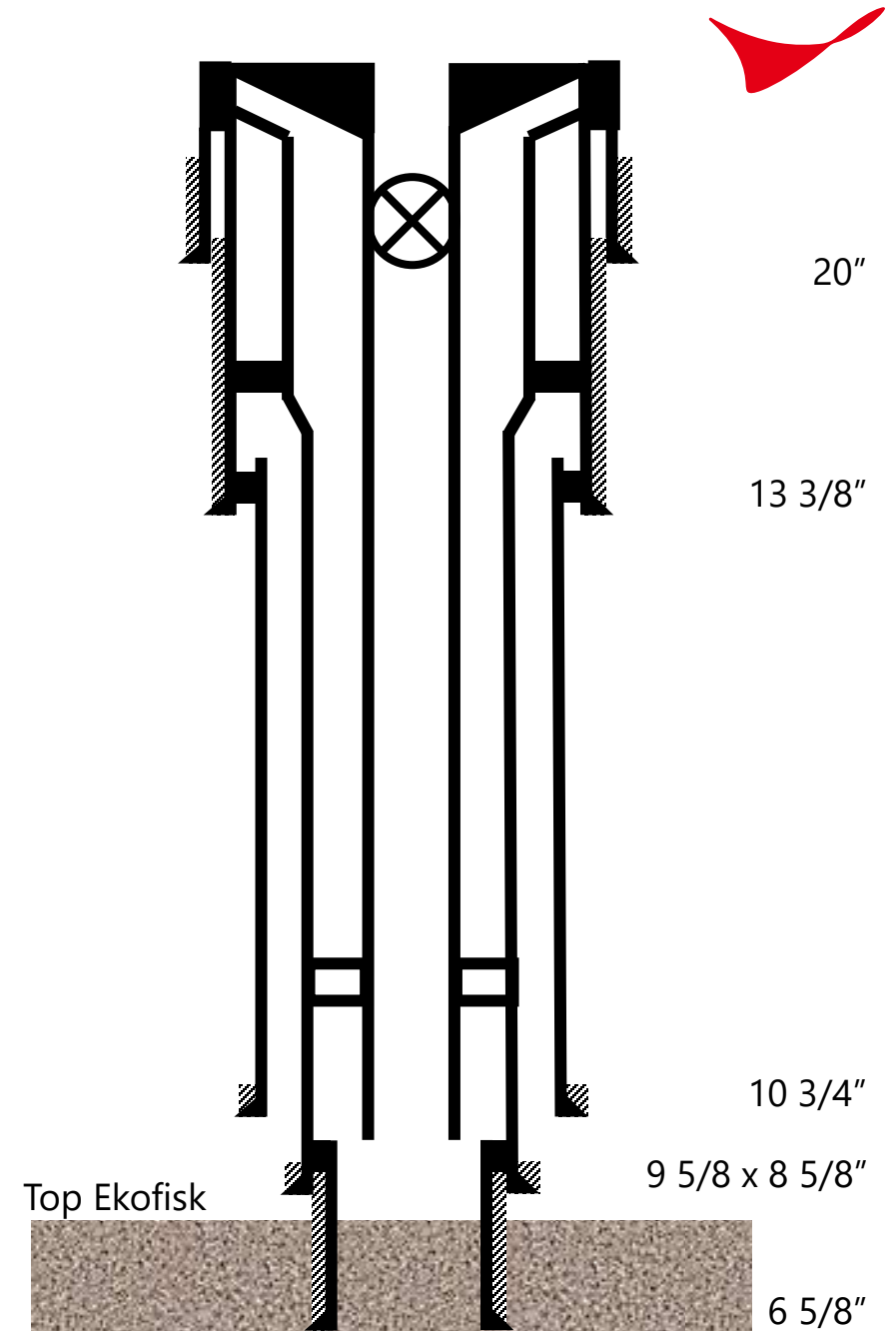
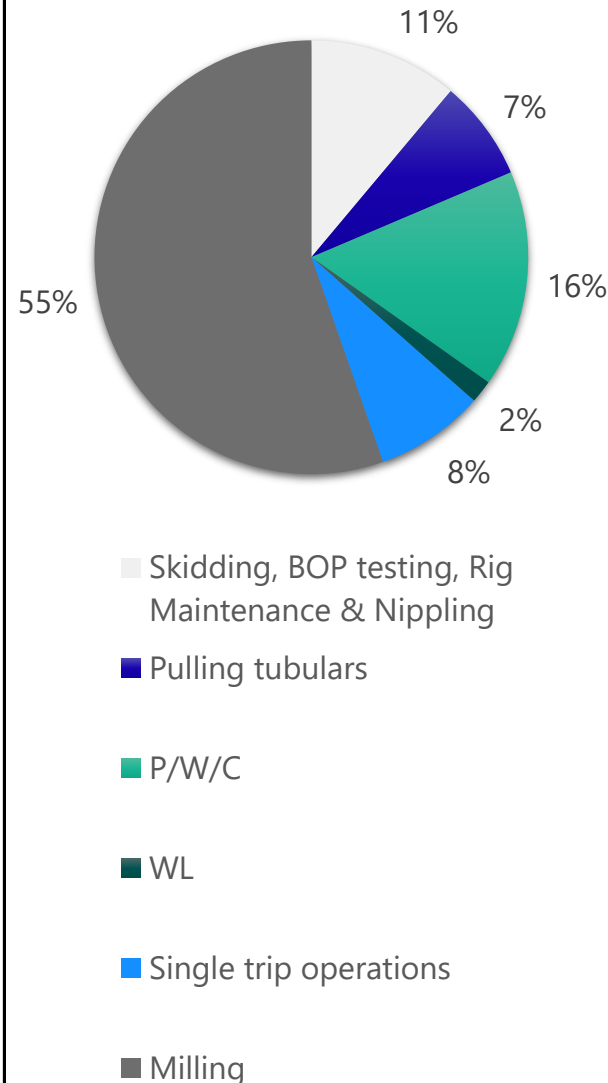
1. Circulate well to KWM
2. N/U on well
3. Pull completion
4. *Conditional – remove additional casing*
5. Place cross-sectional reservoir plugs
6. Place cross-sectional Miocene plugs
7. Suspend well with mechanical plug
8. N/D from well



# EKOC Well Design

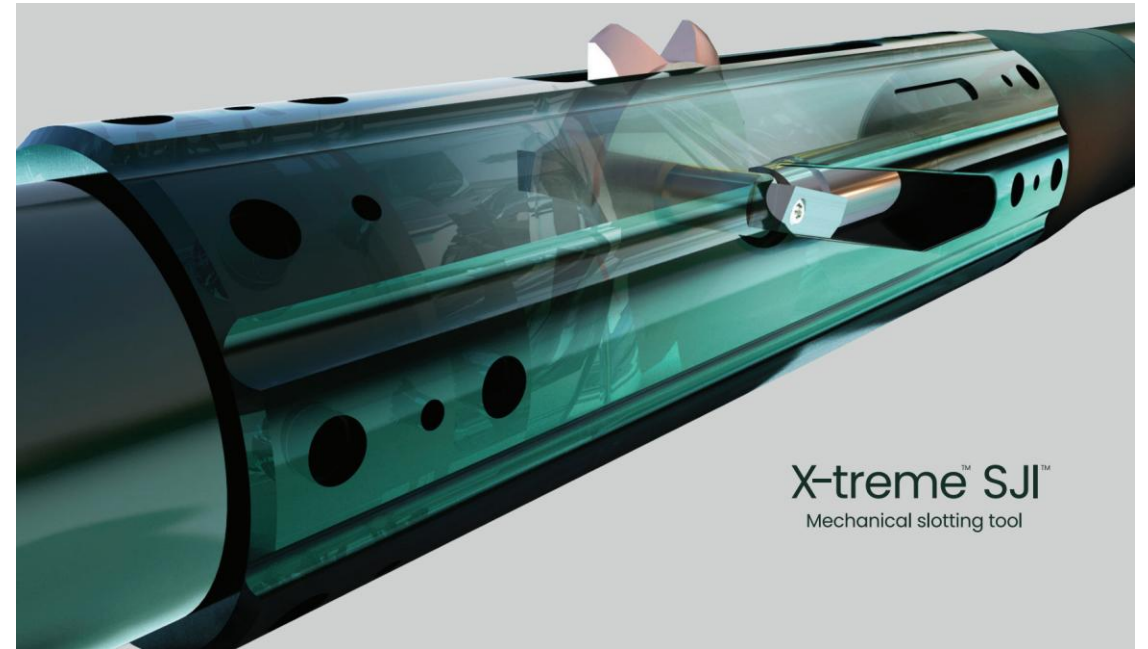
## High level P&A Scope:

1. Circulate well to KWM
2. N/U on well
3. Pull completion
4. Remove additional casing where required
  1. > 46 500 ft of casing
  2. ~55 % of scope
5. Place cross-sectional reservoir plugs
6. Place cross-sectional Miocene plugs
7. Suspend well with mechanical plug
8. N/D from well



# Potential solutions

- Cut & pull
- Milling
- Perforations & washing
- Mechanical punching & Washing

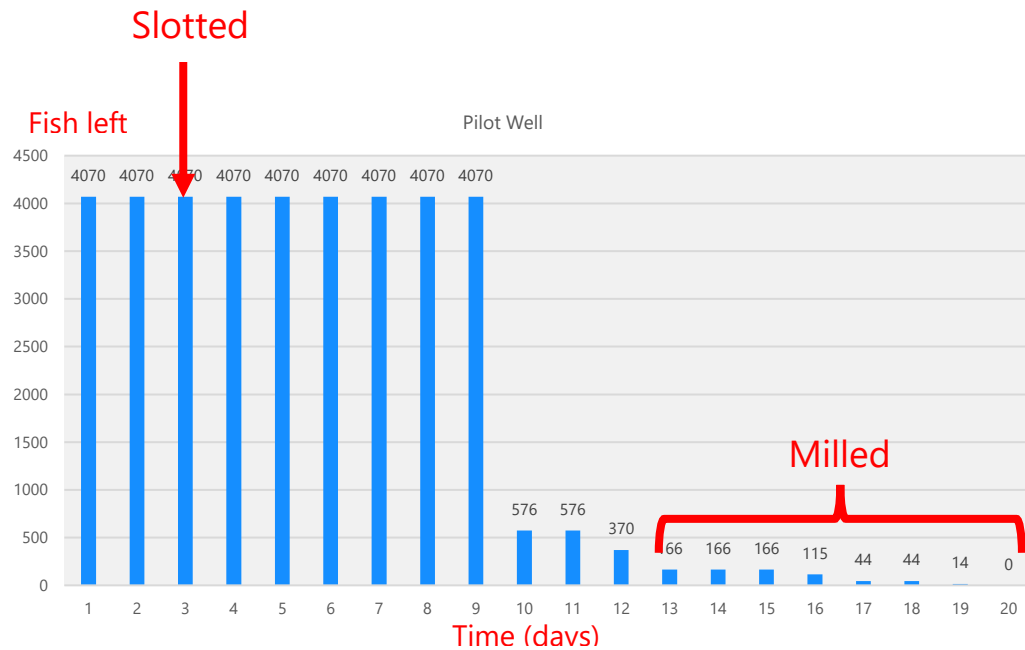


X-treme SJI mechanical slotting tool



# Eldfisk Pilot

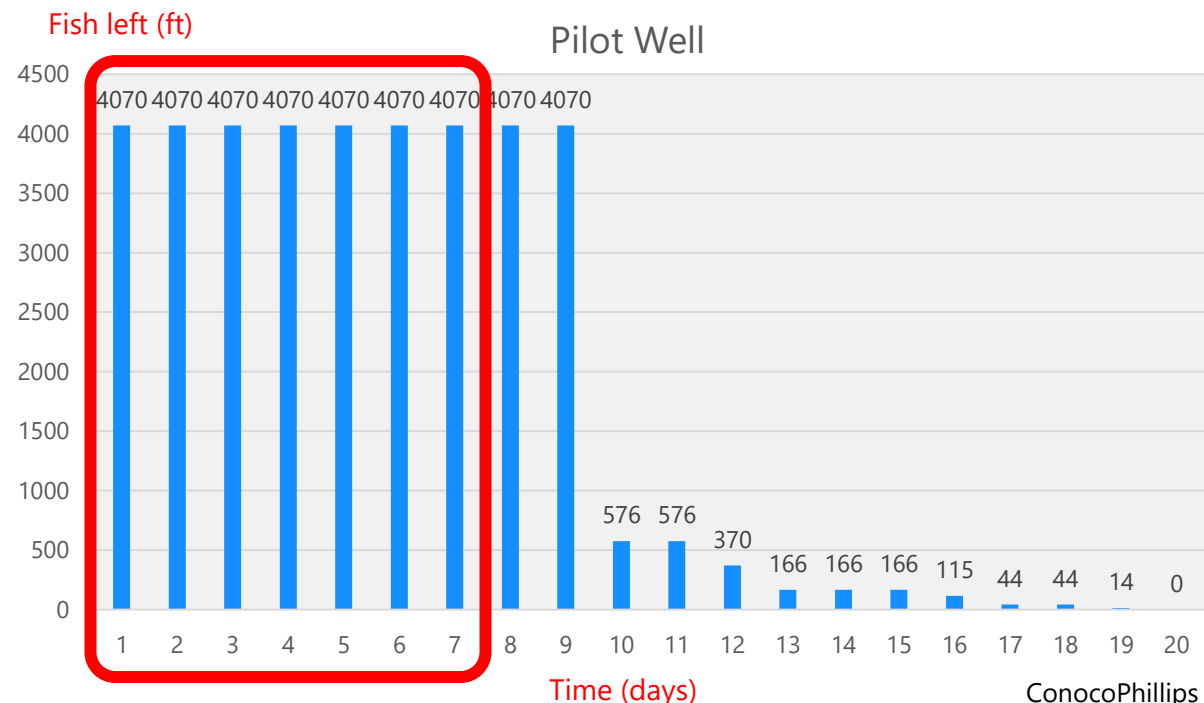
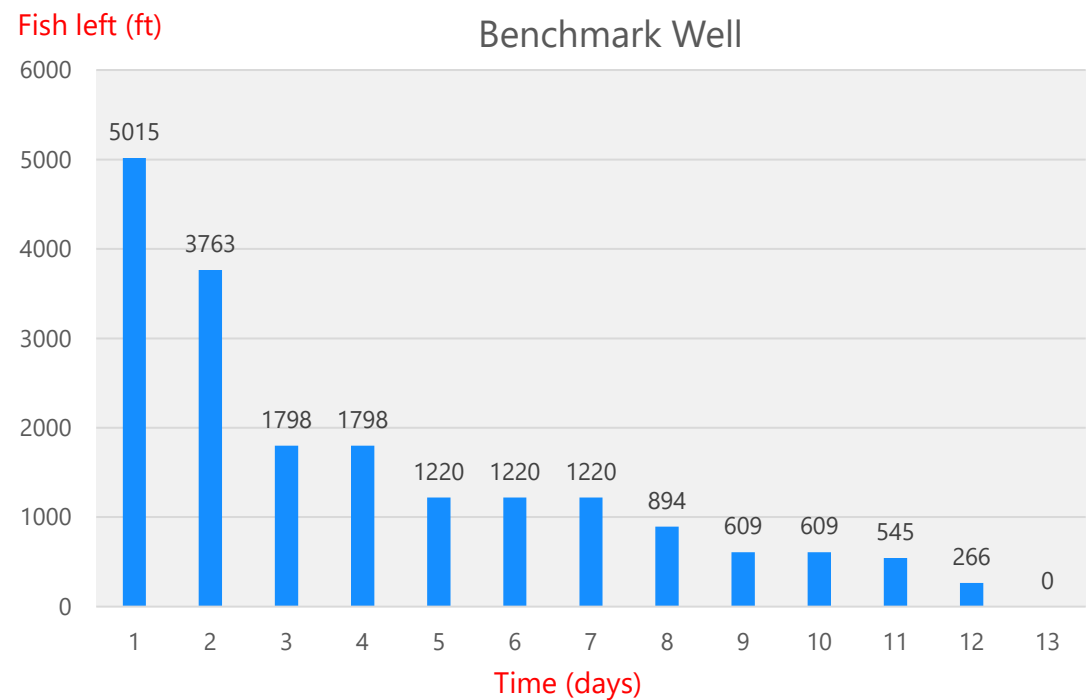
- Objective: Pull 4000 ft of 9 5/8" csg
- Operation
  1. Slot & Jet in separate run
  2. Wash and clear barite bridges
  3. Pull casing



# Lessons Learned & challenges



- Promising tech, but currently performing at same level as incumbent technology
  - Interpretation of surface logs
  - Slotting time < Washing time
  - Handling of slotted joints
- Working on modified tool
    - More flow and more nozzles
  - UIS/SINTEF work on solubility of barite and temperature effects ongoing



# Acknowledgements – PL018 Partners



**ConocoPhillips**

