Enabling Wireline Abandonment in Restricted Wells using the Hunting Tubing Cutter

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Operational Summary

Background

- Preparing Andrew for Abandonment Operations. Complete P&L on 7 wells.
- Operational Objectives:
  - Bullhead tubing contents
  - Caliper tubing and set deep set plug below production packer
  - Cut tubing (as close to packer as possible)
  - Circulate to Inhibited Seawater (ISW)
  - Set shallow plug with pump through option
- Planned for operational issues:
  - Packer envelopes
  - Known scale restriction drifted to 3” previously
  - ….but we didn’t have a smaller non-explosive cutter

Hunting Opti-TEK Tubing Cutter

Technology Selection

Operational Requirements:

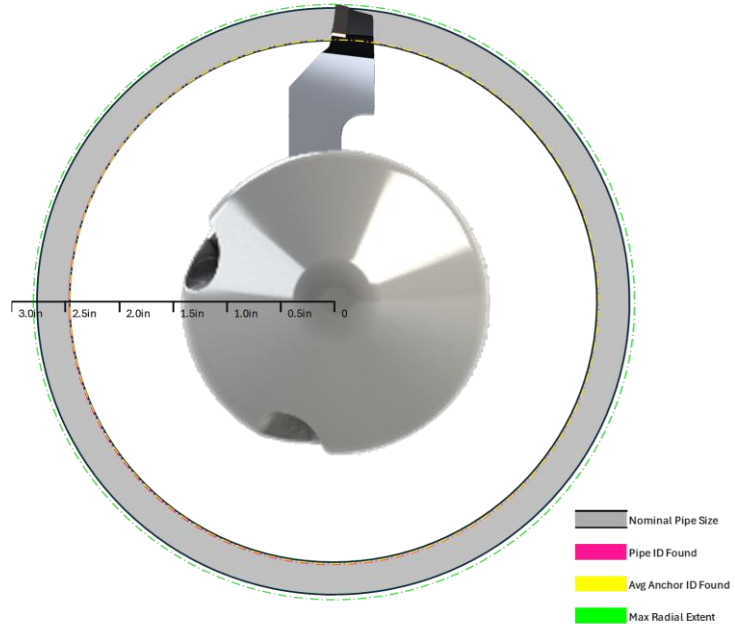
- Slickline/DSL deployable
- Cut 5-½” 17# tubing as close to packer as possible
- Pass through unknown restriction
- Cut verification during phase 0
- Minimise work scope creep

Hunting Opti-TEK Tubing Cutter:

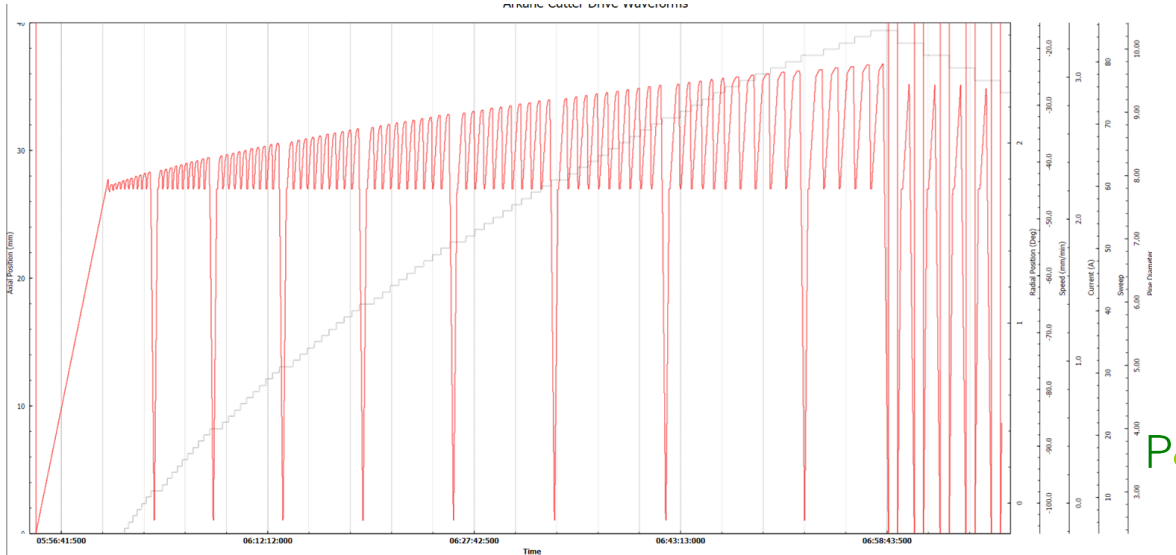
- Battery operated = conveyance independent
- Previously tested on 5-½” 20# tubing
- 2 7/8” Tool O.D.
- Tool data signature and report verifies cut
- No changes to mobilisation or operation:
  - No DGs - powered by Alkaline batteries
  - Tool only mobilisation
  - Equivalent operating procedure to other cutters used in campaign

Results

Testing, Mobilisation and Operation



- SIT performed at Hunting, Badentoy
  - Tool observed cutting 5-½” 17# tubing on battery
  - Test cut performed successfully
- Mobilised within 2 weeks of first demo
- Additional cutting run fitted seamlessly into planned well operations
- Cut performed as per programme, with data downloaded showing tool cut out beyond 5-½”
- Enabled entry and P&L of a well previously thought to be a HWU job – significant time and saving – optimising abandonment plan and reducing HWU days
- Demo at lunch time and stand 18 for more info

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