

Conveying Long Guns on Electric Wireline

MENAPS 2016-20

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AGENDA

- Introduction
- Job Design
- Execution
- Summary

Introduction

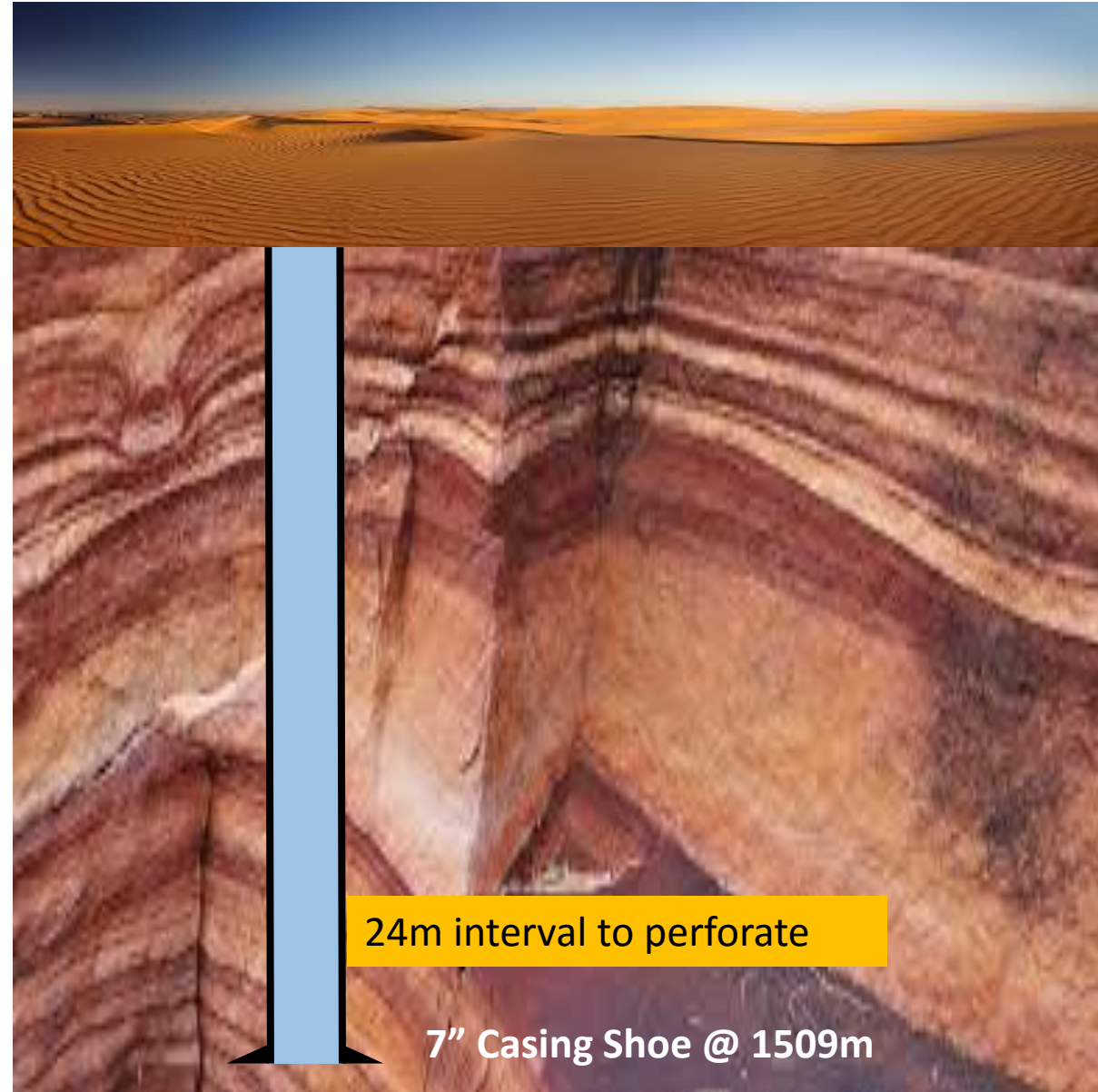
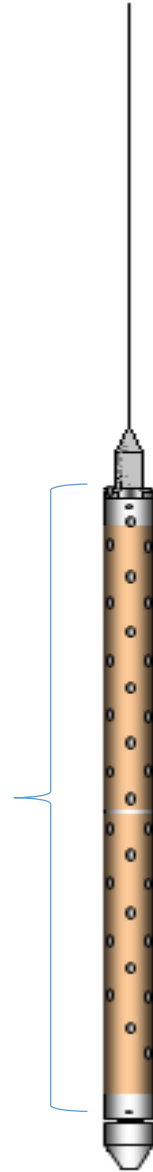
- ❑ Development field in South Oman.
- ❑ Vertical wells depth 1000-1400m
- ❑ Typically 4.5" HSD guns on electric wireline
 - ❑ Multiple runs of up to 12.5m per run
 - ❑ Gross perforating length of 20-30m
 - ❑ 2-3 runs. Each run up to 1.5-2.0 hours
- ❑ What if all combined into single run ?



Well-36

- ❑ Trial of single run.
- ❑ 24m of 4.5" HSD guns in single run.
- ❑ Weight 2150 lbs

25.3m
including
adapters

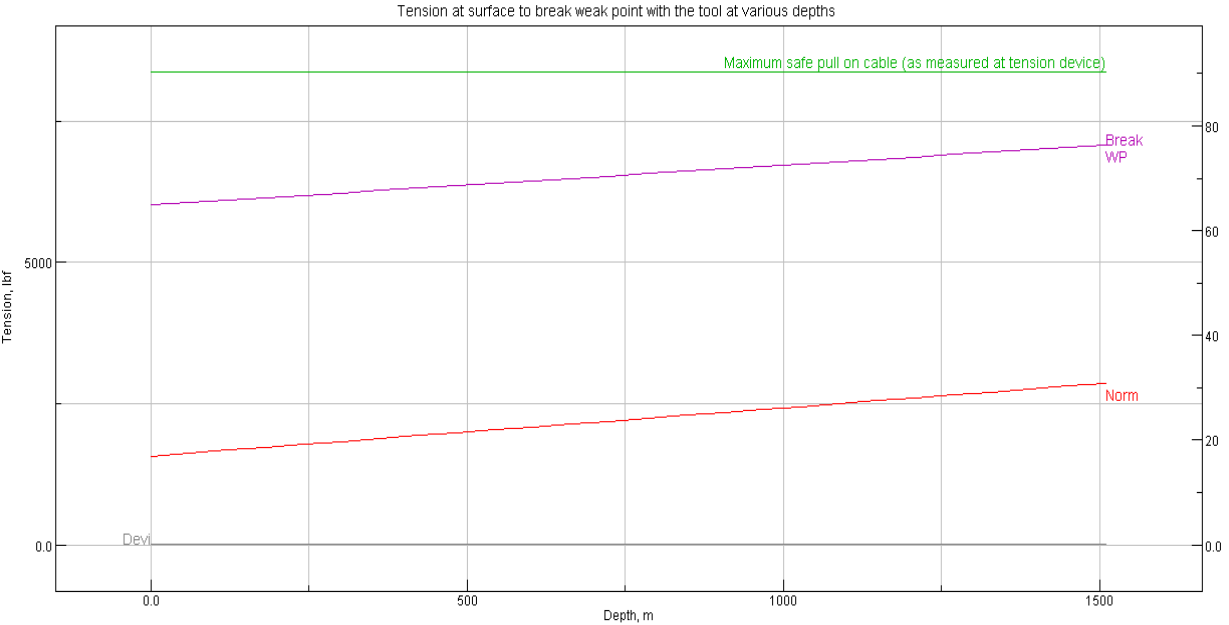
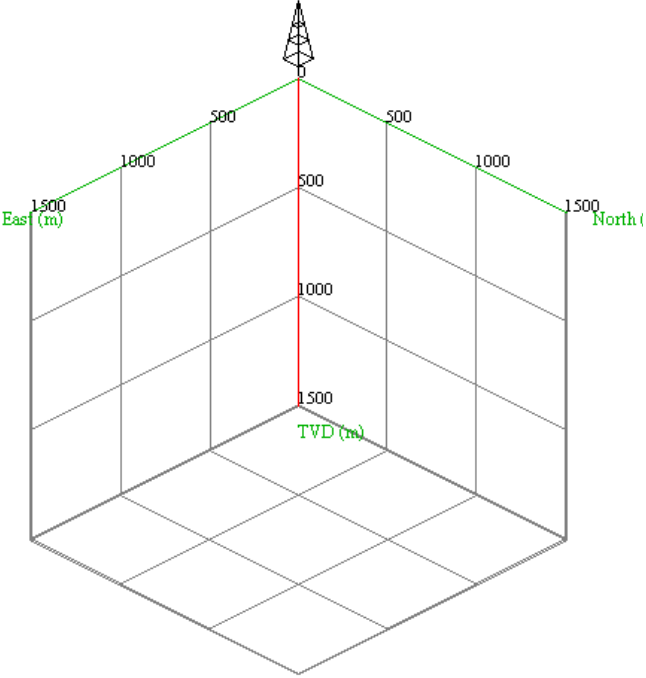


Job Design

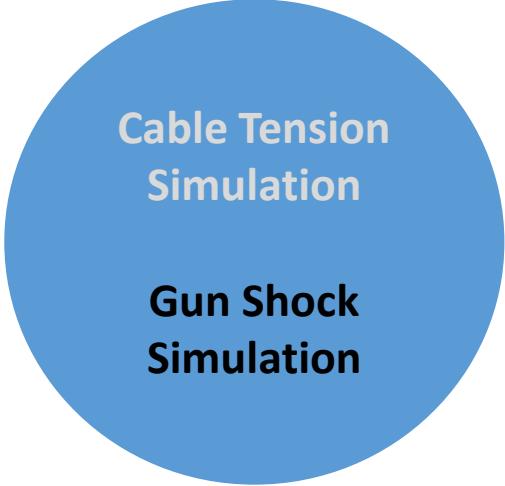
- Cable Tension Simulation
- Gun Shock Simulation
- Accessories Selection

Job Design

Cable Tension Simulation



Job Design



Cable Tension
Simulation

Gun Shock
Simulation

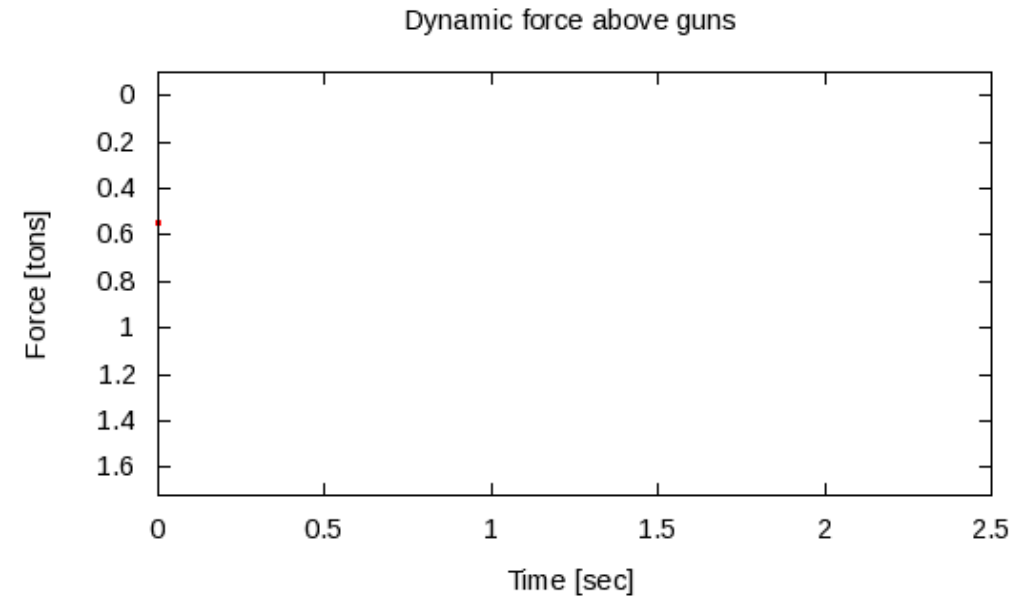
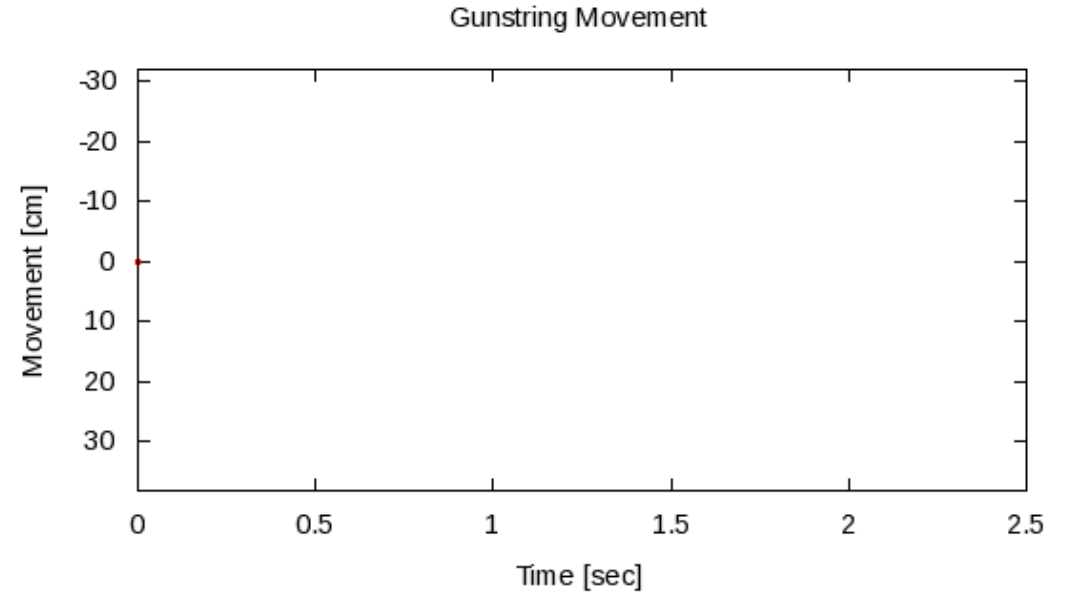
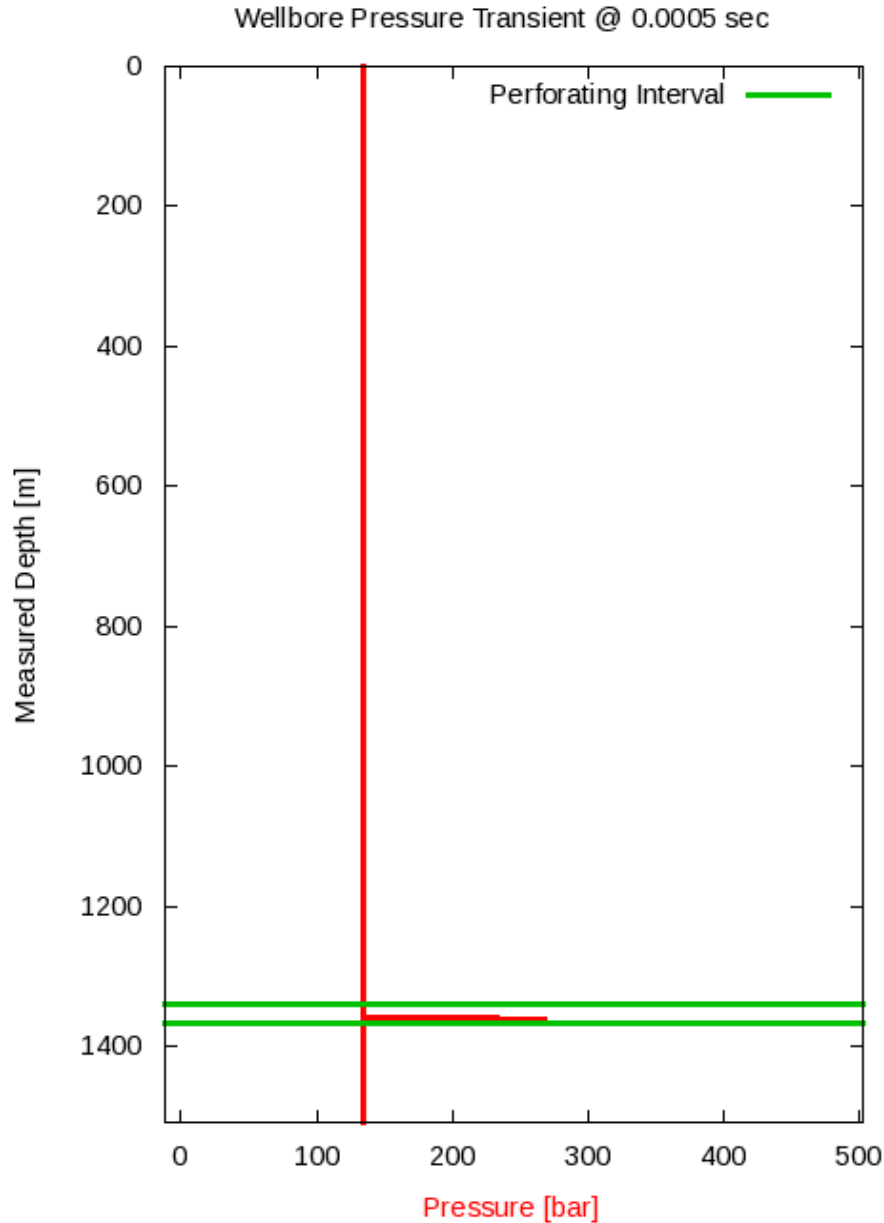
- Wellbore dynamics
- Load on cable and weak point

Job Design

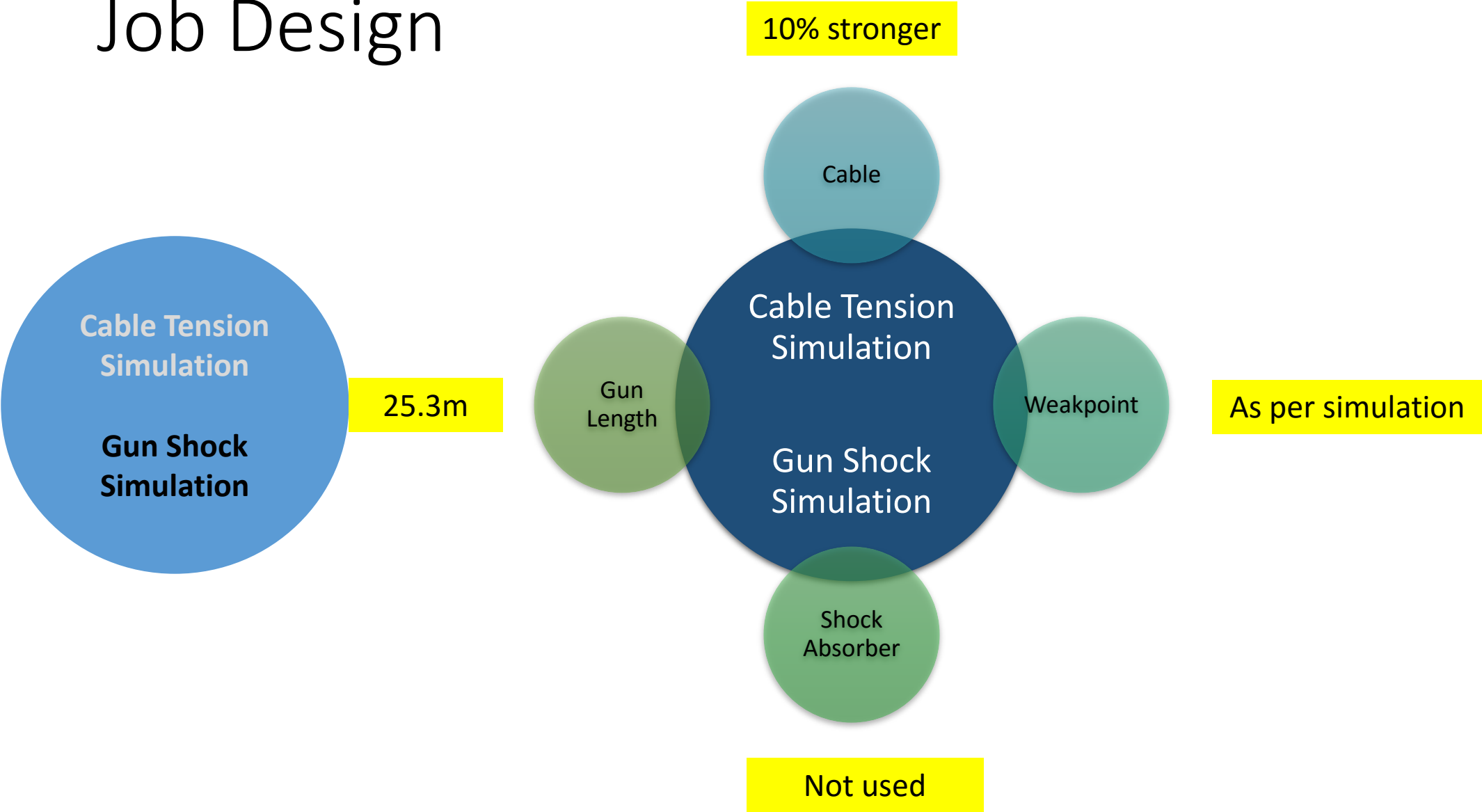
Cable Tension
Simulation

Gun Shock
Simulation

SPAN Shock V6.1 Wellbore Animation (c) Schlumberger - Job 7099652



Job Design



Summary

- ❑ Job executed successfully.
 - ❑ Typical 2 runs@ 5hours achieved in single run @ 2.5 hours.
- ❑ Each job is unique, requires design.
- ❑ Possibility of expanding the envelope.

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QUESTIONS?
THANK YOU!

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