



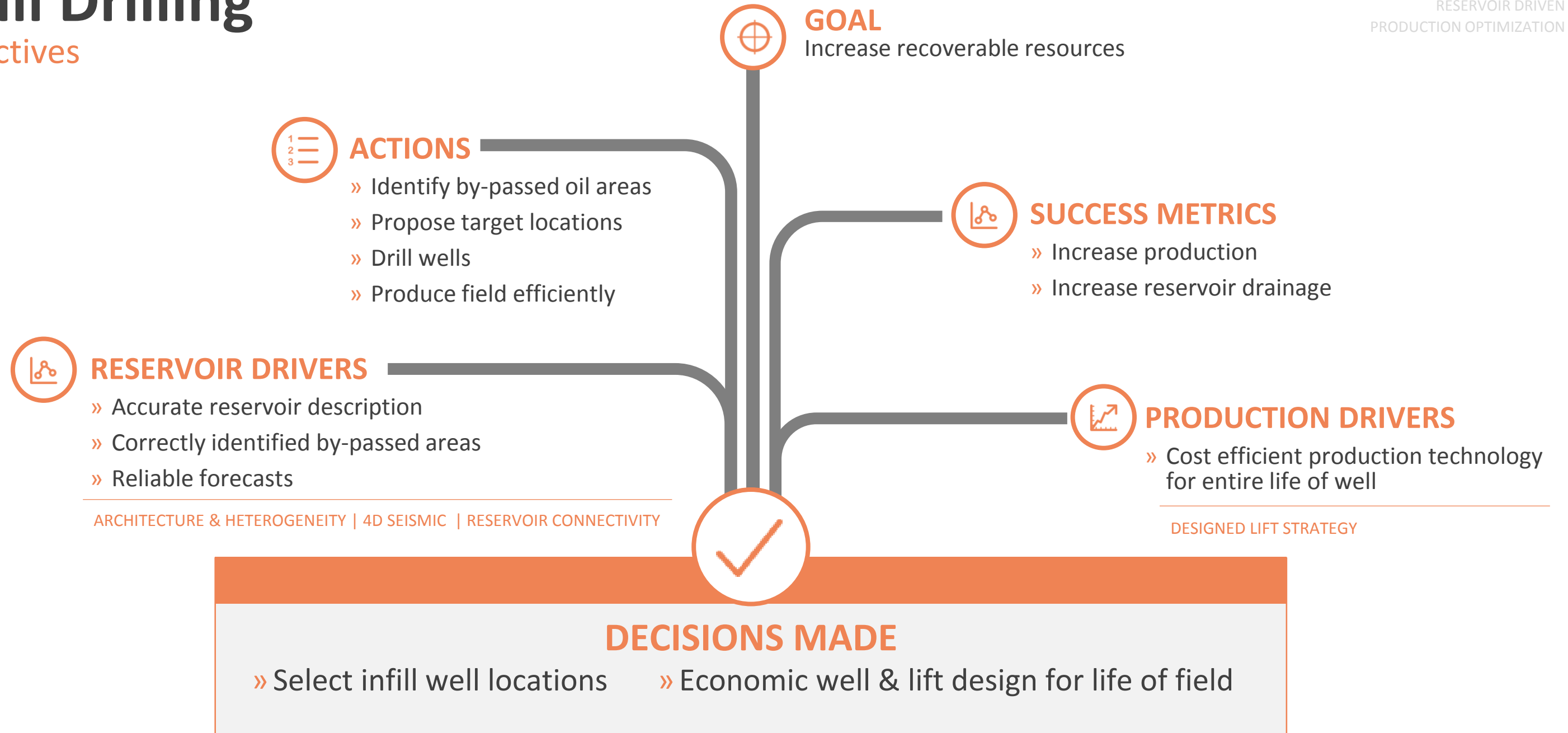
INFILL DRILLING



Infill Drilling

Objectives

INFILL DRILLING:
RESERVOIR DRIVEN
PRODUCTION OPTIMIZATION



Infill Drilling

Traditional Workflow

01

Seismic processing
Interpretation
Attributes

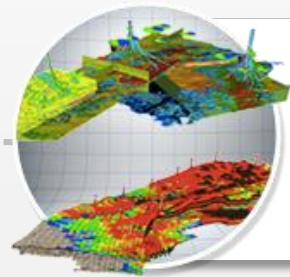
02

Well logs
Cores
Well tests

03

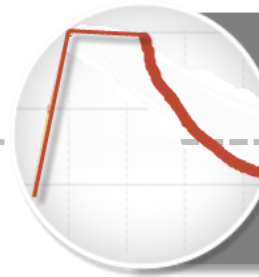
Geological knowledge

- » Understand subsurface by extracting maximum information from data including 4D Seismic
- » Build reservoir model
- » Identify sweet spots, compartments, flow barriers and highways



04

Reservoir Models



05

Dynamic Simulation

- » Calibrate model to production history
- » Propose locations



06

Production Monitoring

- » Optimize lift type over life of new well
- » Design lift type for life of well
- » Monitor production & optimize Lift sizing



Infill Drilling

Reservoir Driven Workflow

01

Seismic processing
Interpretation
Attributes

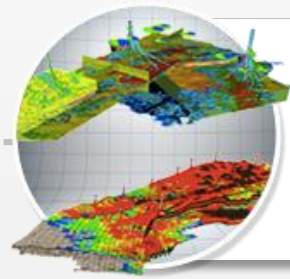
02

Well logs
Cores
Well tests

03

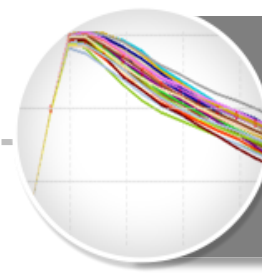
Geological knowledge

- » Understand subsurface by extracting maximum information from data including 4D Seismic
- » Reconcile through the construction of multiple possible realistic reservoir models
- » Identify sweet spots, compartments, flow barriers and highways



04

Reservoir Models



05

Dynamic Simulation

- » Calibrate models to production history
- » Investigate alternative geological scenarios
- » Propose locations and forecast



06

Production Monitoring

- » Optimize lift type over life of new well
- » Design lift type for life of well based on reservoir inflow prediction
- » Monitor production & optimize Lift sizing



Infill Drilling

Benefits

