

Technology

John McDonald
Vice President and Chief Technology Officer



Leverage Technology to Deliver Superior Performance and Growth

Proprietary
Technology

Strategic
Partnerships

Venture Capital
Investments



Differentiated Performance Through Technology

Seismic Imaging

Drilling

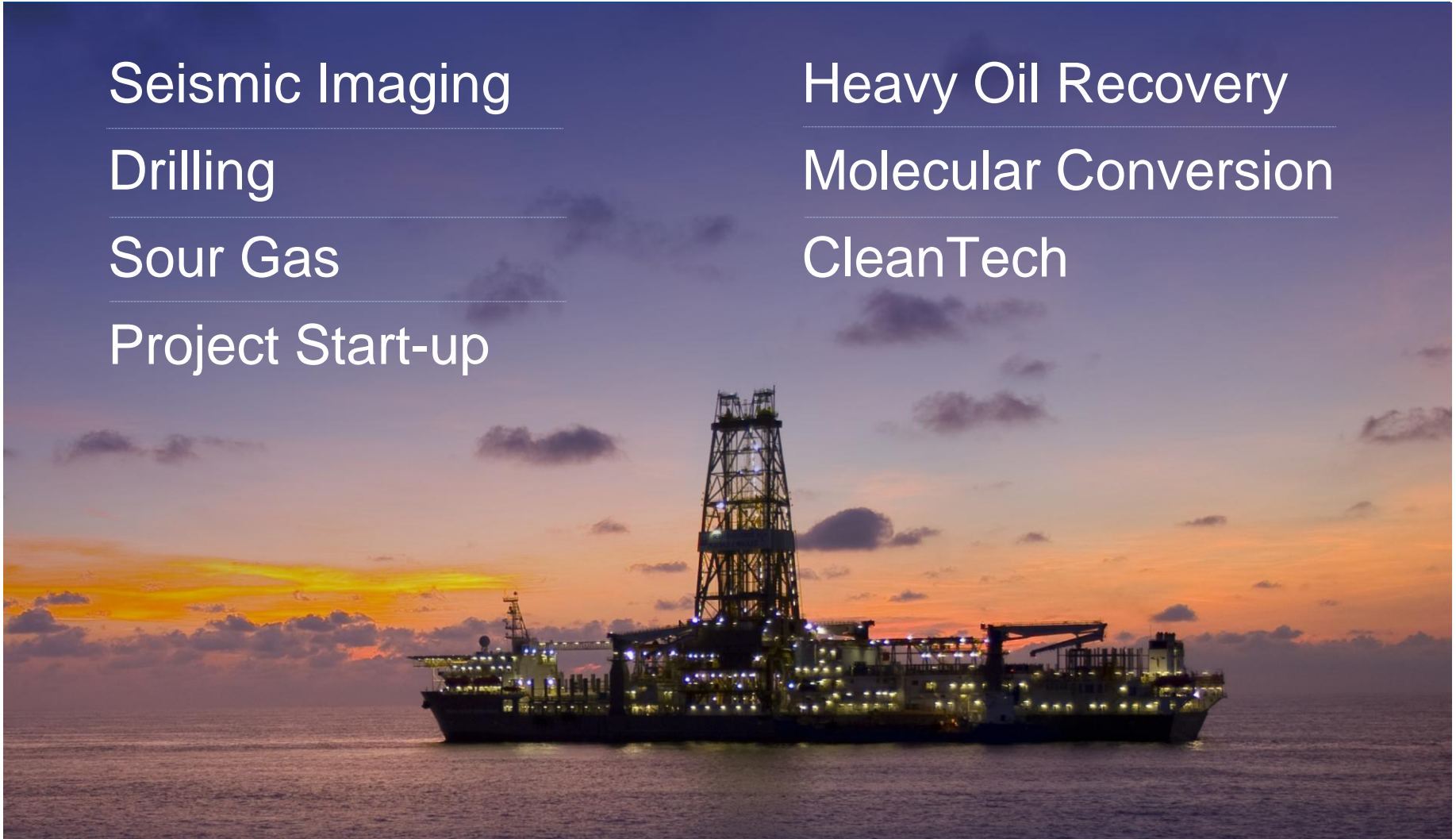
Sour Gas

Project Start-up

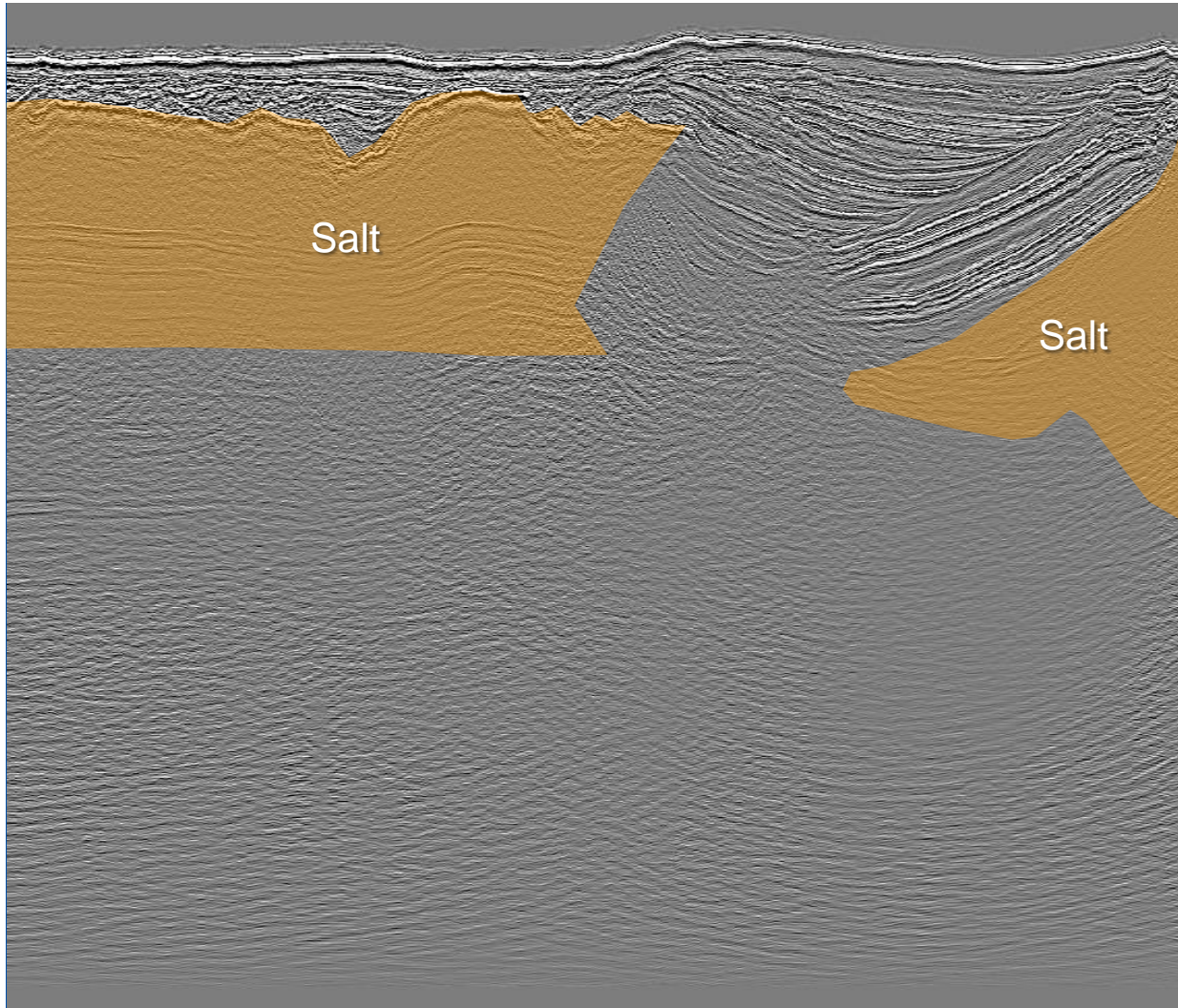
Heavy Oil Recovery

Molecular Conversion

CleanTech



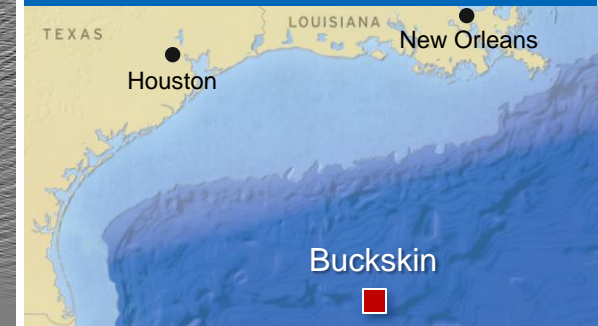
Proprietary Imaging Leads to Exploration Success



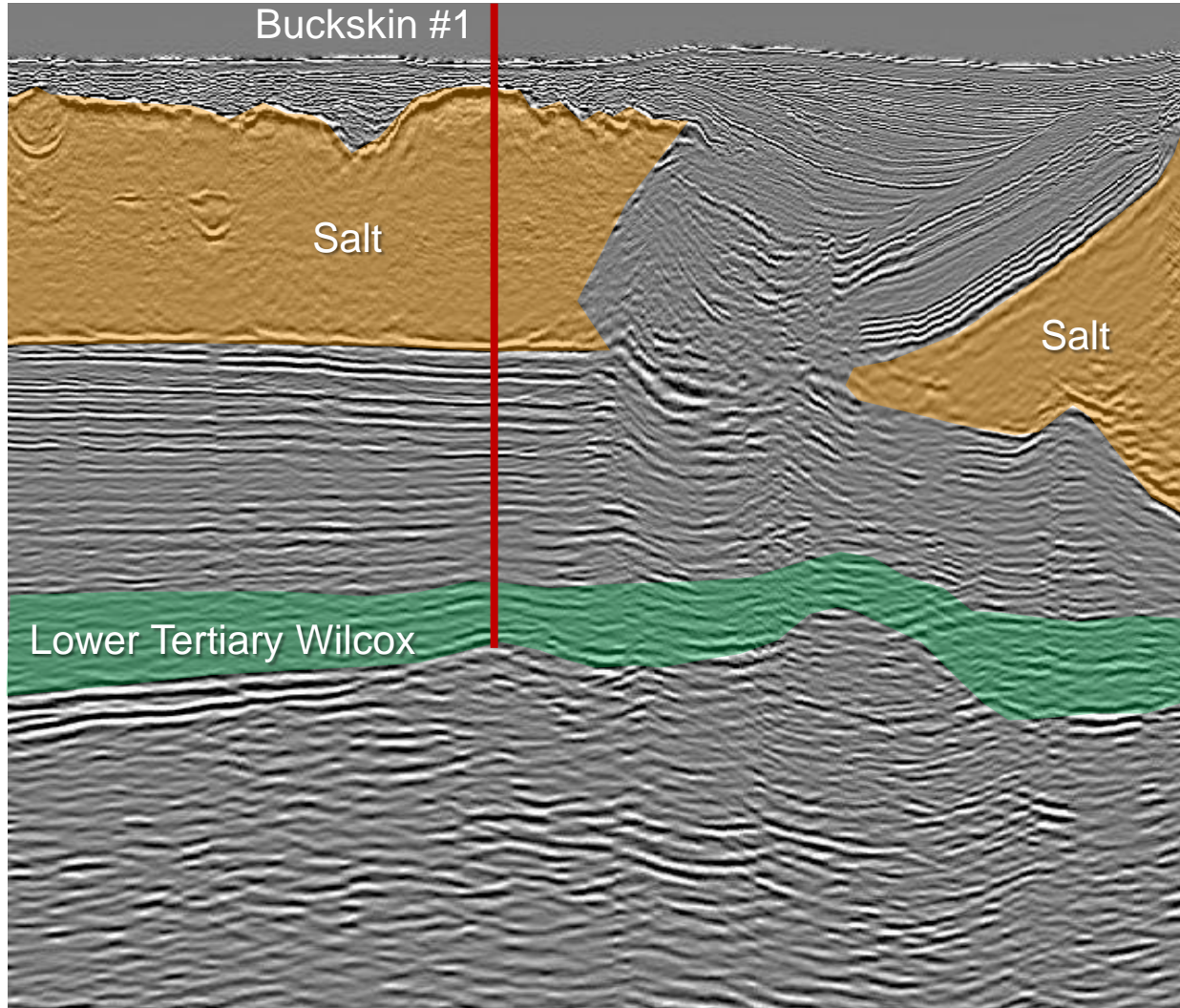
Buckskin
Lease 2002

Narrow Azimuth Seismic
Time Migration

Buckskin Location
U.S. Gulf of Mexico



Proprietary Imaging Leads to Exploration Success

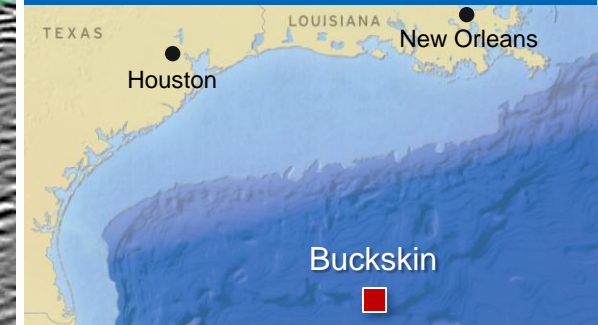


Buckskin #1 Discovery

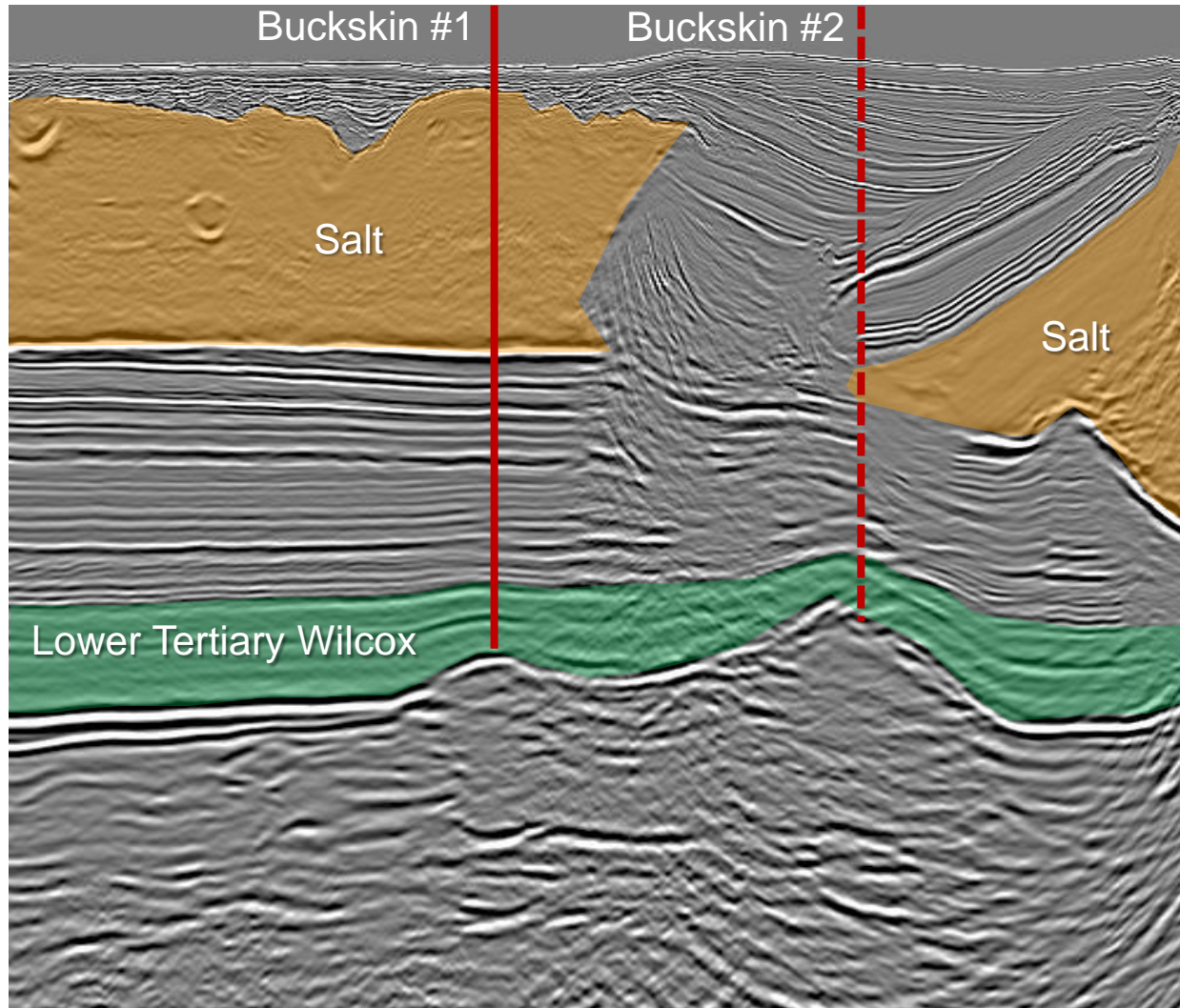
Narrow Azimuth Seismic
Depth Migration

Imaged with Chevron
Proprietary Earth Model

Buckskin Location
U.S. Gulf of Mexico



Proprietary Imaging Leads to Exploration Success

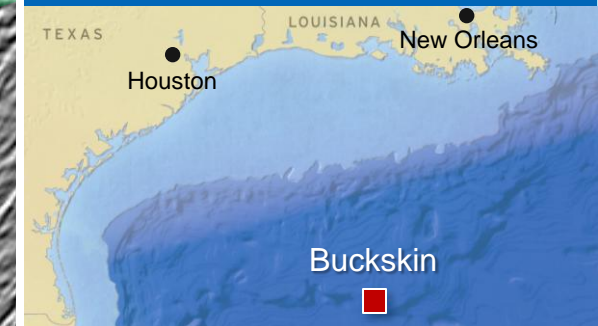


Buckskin #2 Appraisal

Wide Azimuth Seismic
Depth Migration

Imaged with Chevron
Proprietary Earth Model

Buckskin Location
U.S. Gulf of Mexico



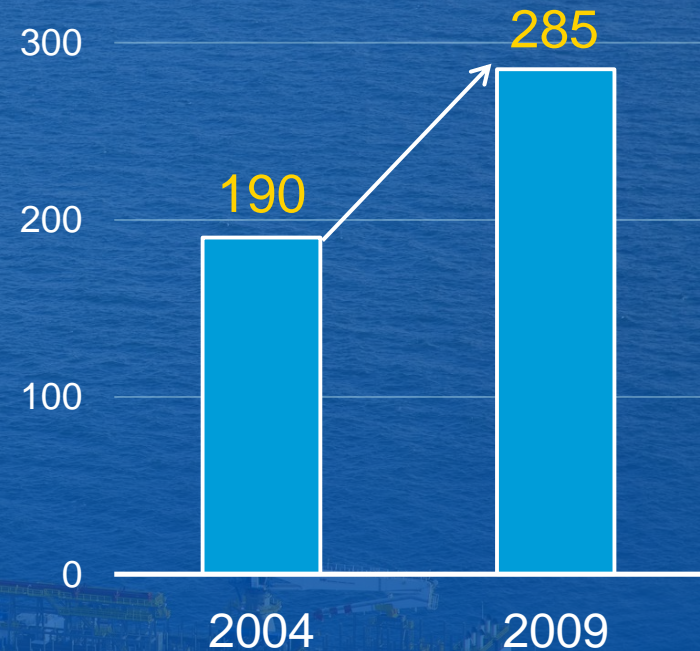
Improved Efficiency with Drilling Technologies

Standardized
processes

Proprietary
technology



Deepwater Gulf of Mexico
Feet/day – Spud to Total Depth



50% improvement
in drilling feet/day

Increased Production and Recovery in Difficult Fields

Tengiz Field

High pressure, volume and
concentration sour gas injection

Unique facilities

Enhanced oil recovery



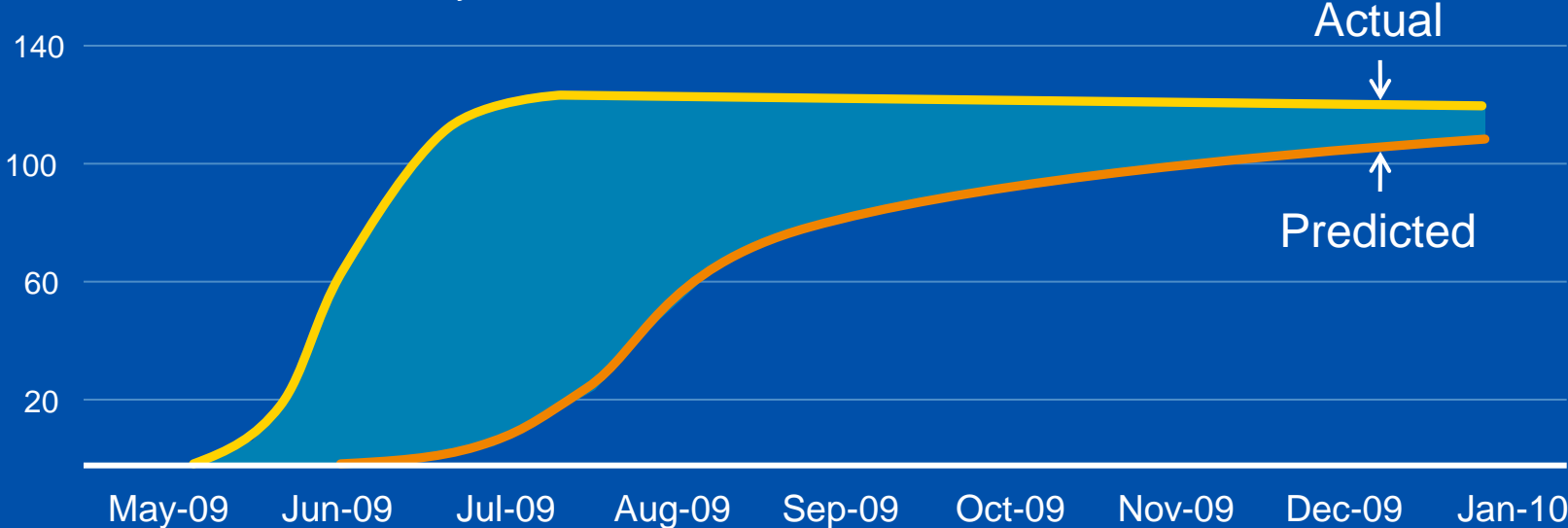
Accelerated Recovery at Project Startup

Commissioning
and startup skills

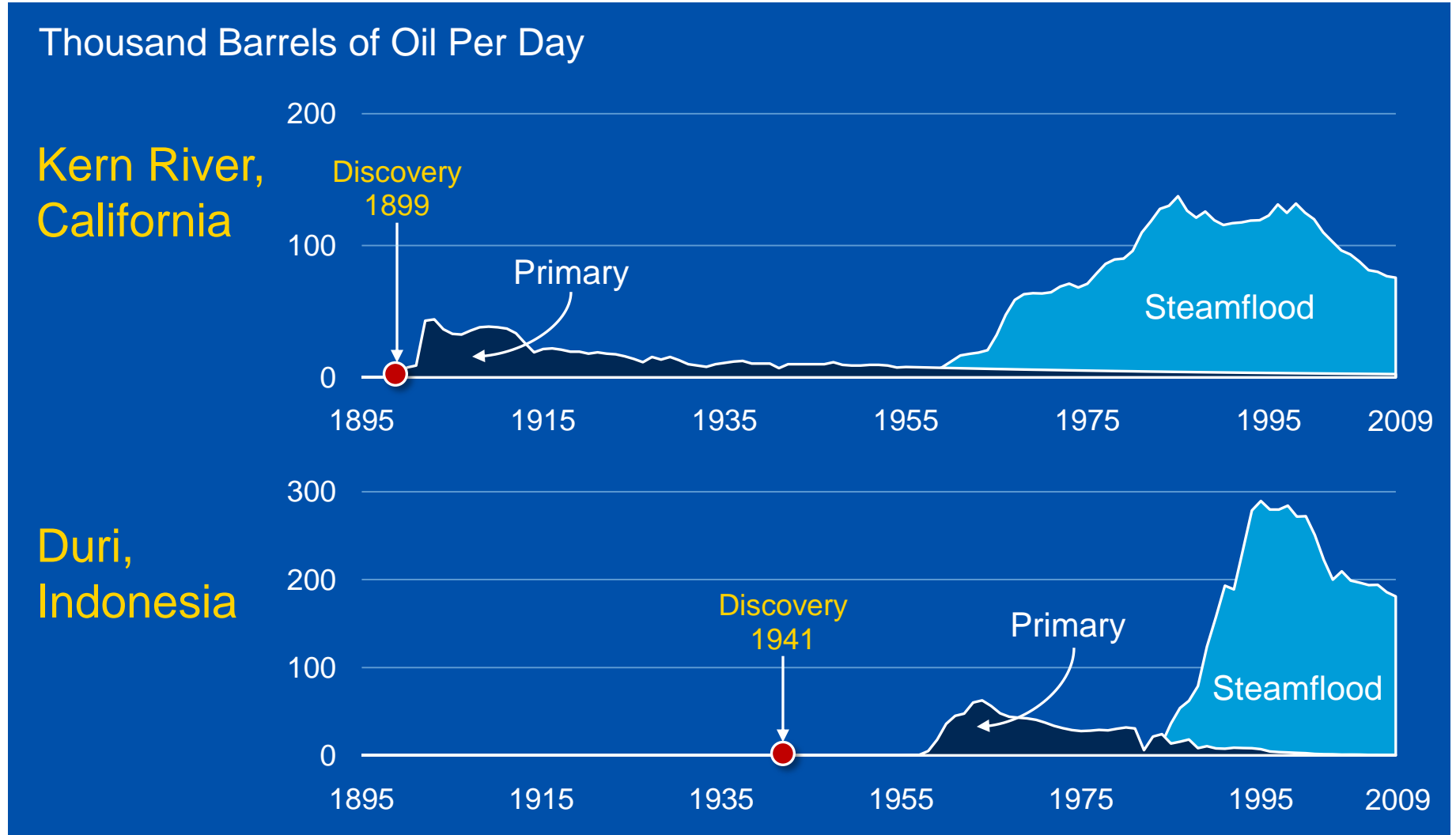
Automated
engineering
workflows

Rapid
production
ramp-up

Tahiti Gross Oil Rate
Thousand Barrels of Oil Per Day



Higher Recovery at Lower Cost with World-Class Heavy Oil Capability



Improved Performance with World-Class Hydroprocessing and Catalysis

Leading developer
of hydroprocessing
technology

Proprietary catalysts

Increased yields



Economic Investment in CleanTech

Geothermal

Largest producer



Energy Efficiency

30% efficiency improvement since 1992



Carbon Management

Largest CO₂ Sequestration Project at Gorgon



Biofuels

Molecular conversion with feedstock partnerships



Applying Technology to Deliver Superior Performance and Growth

Increased resource recovery & capture

Lower cost

Faster cycle time

Improved yields

