



human energy®

# Outlook for Offshore Oil & Gas Development

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# Growing Demand

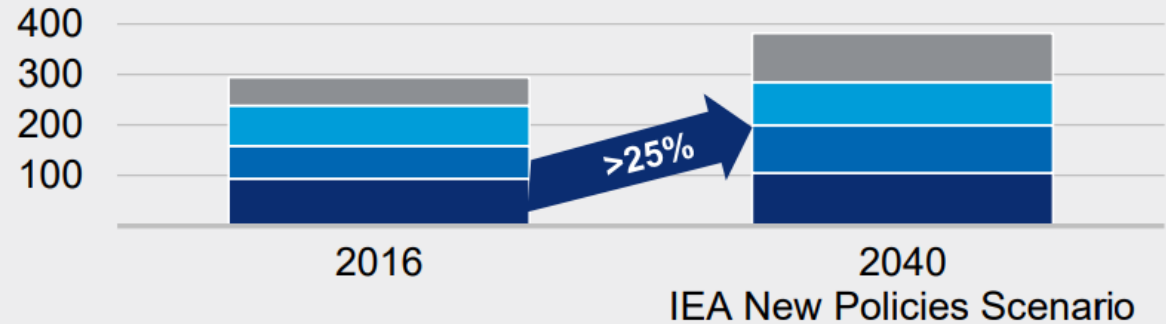
The world needs more energy to enable economic development

Demand for our products is growing and will continue to do so.

New sources of oil will need to be developed

## Global energy demand

Million barrels of oil equivalent per day



## Global crude oil supply & demand

Million barrels per day





# The Energy Industry



# The Chevron Way





# Chevron's Commitment to Safety

## Safety Principles

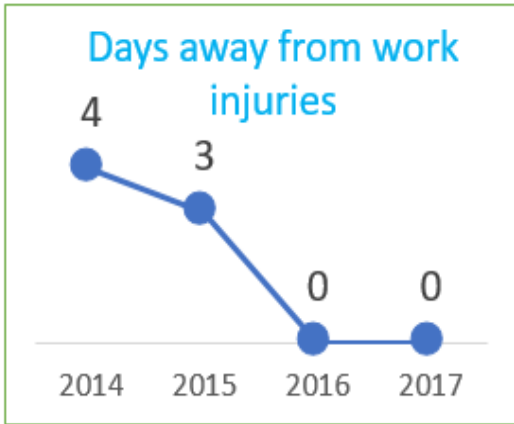
- All incidents are preventable
- Do it safely or not at all
- There is always time to do it right
- 10 Tenets of Operation which apply to all situations

## Stop Work Authority

Any person on a Chevron site is responsible and authorized to stop any work that does not comply with our safety standards

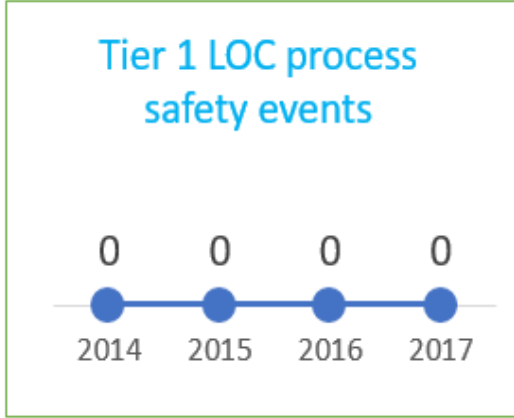
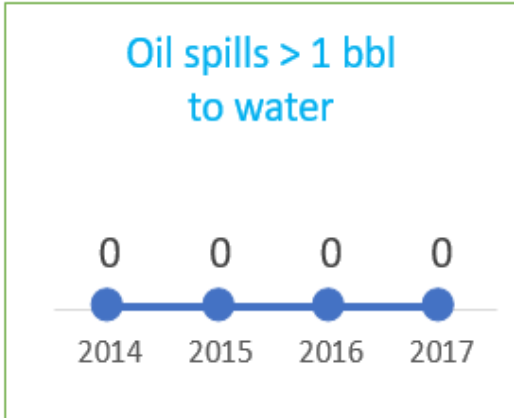
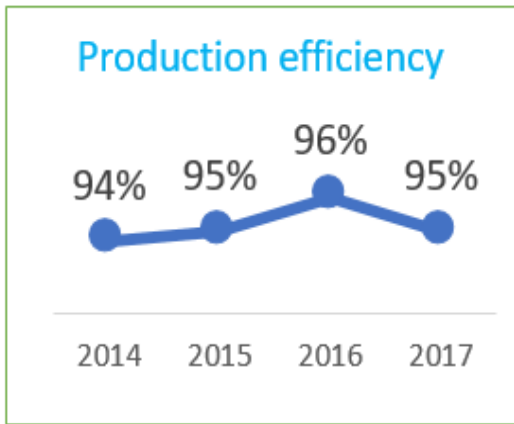


# GOM Industry-Leading Performance



**Industry leading safety, reliability and spill performance**

**Winner of the Center for Offshore Safety Leadership Award in 2017**



*In accordance with the Chevron Way, we instill a culture of operational excellence that places the highest priority on the safety and health of our workforce and on the protection of our communities, the environment and our assets.*



# Industry Safety

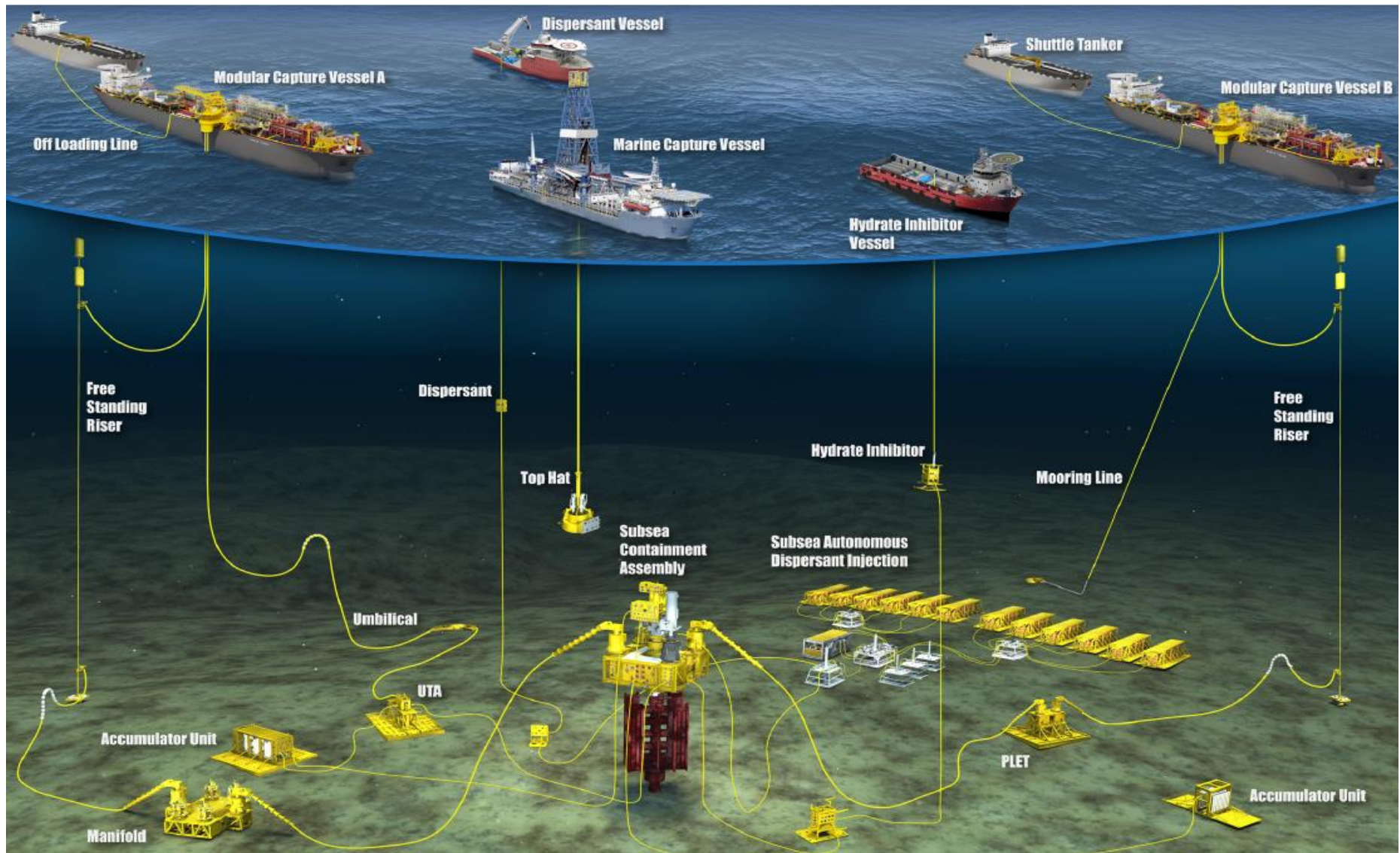
- **Since 2010, 100 new standards. Worked with BSEE on more effective regulations**
- **Center for Offshore Safety (COS)** – Promote highest level of safety for offshore drilling, completions, and operations
- **Marine Well Containment Company (MWCC)**
  - **10 member companies**
    - 500-10,000 feet
    - Cap and contain an incident well
    - Process up to 100,000 barrels of liquid per day and up to 200 million cubic feet of gas per day.
- **Helix Well Containment Group (HWCG)**
  - **16 member companies**
    - Depths up to 10,000 feet
    - Cap and contain an incident well
    - Process 130,000 barrels of liquid per day and up to 220 million cubic feet of gas per day.

## Rapid deployment and capping



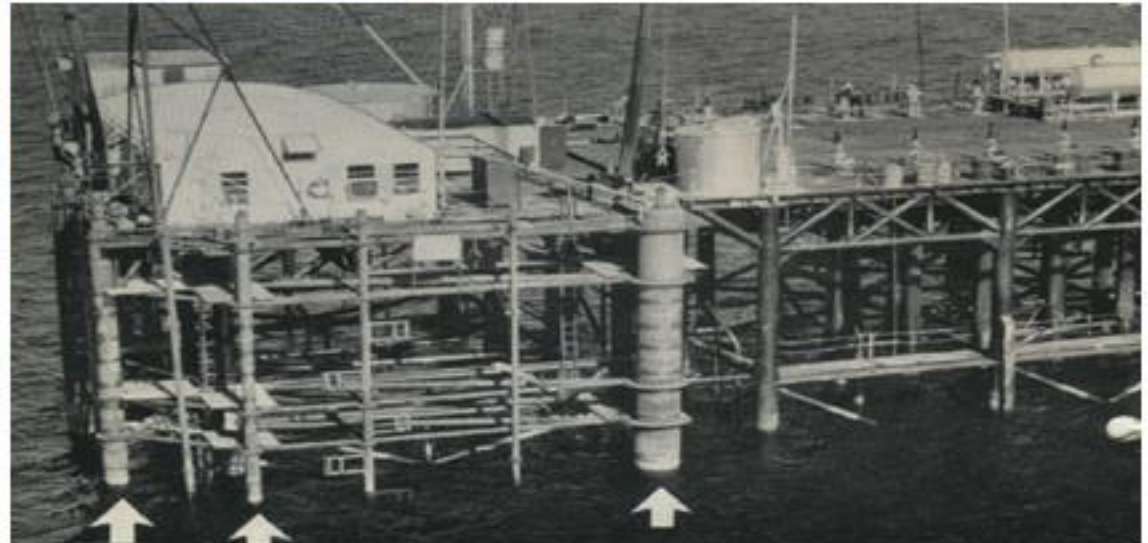


# Industry Resources

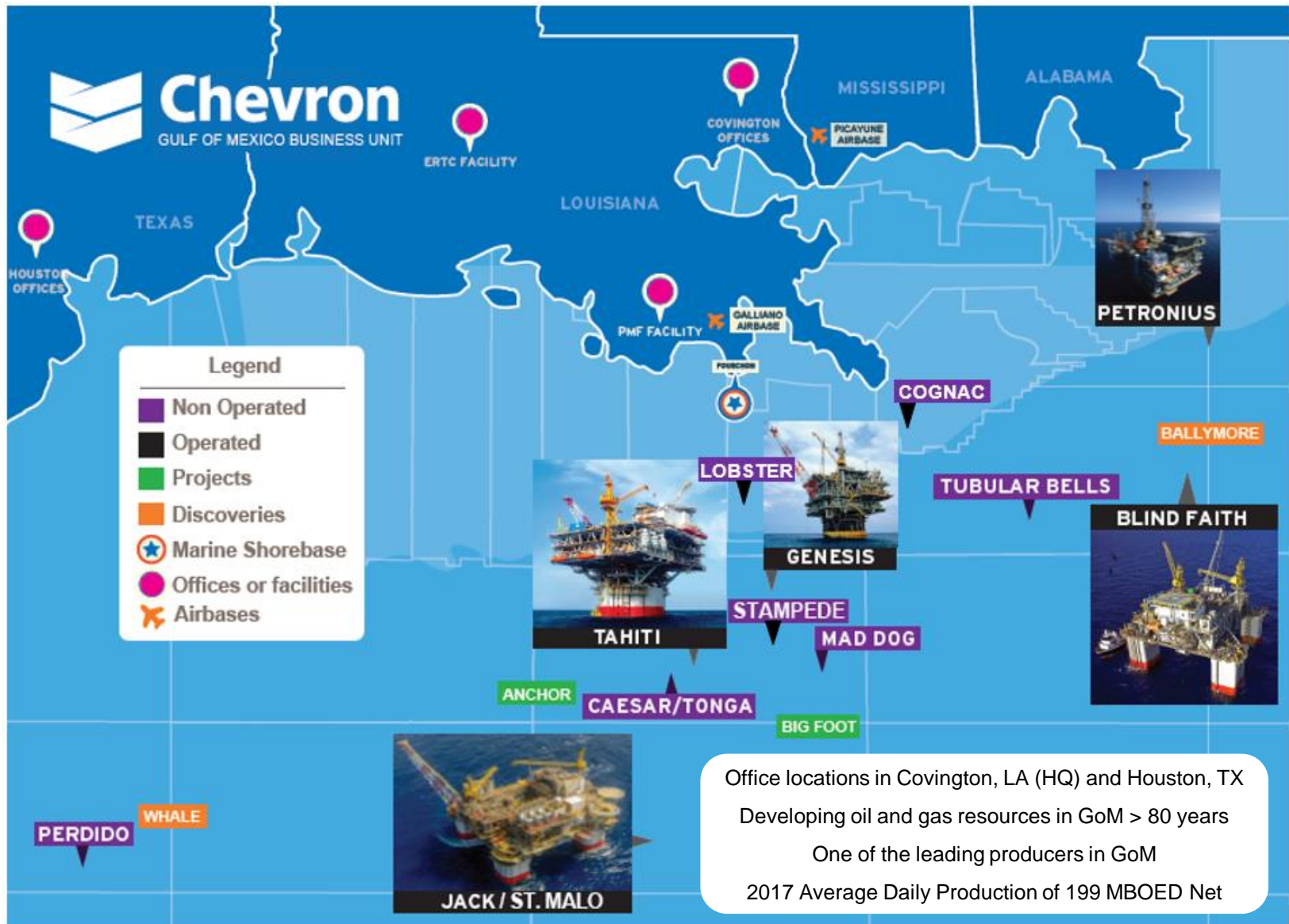




# History in the Gulf of Mexico

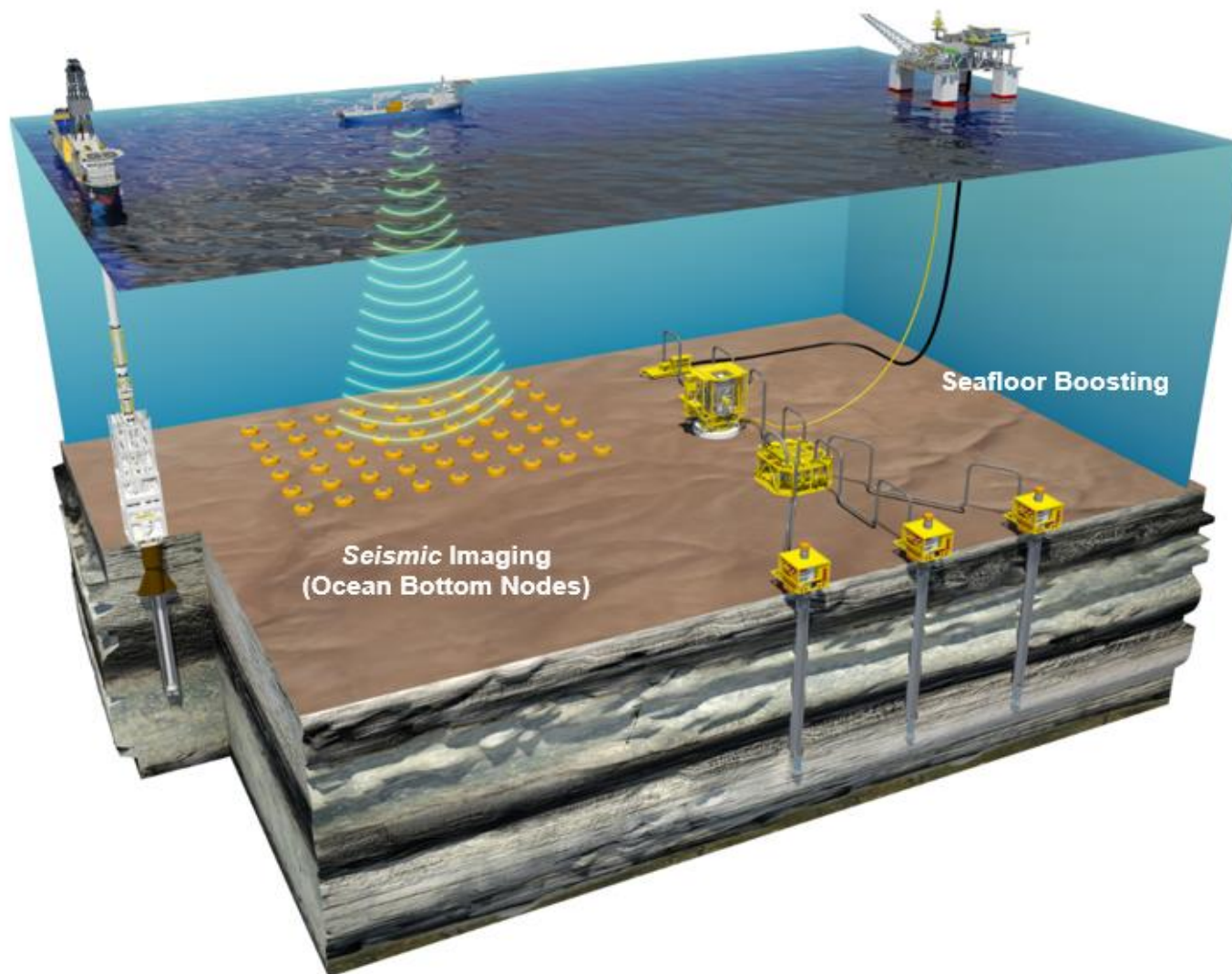


# Chevron's Gulf of Mexico Business Unit





# Technology

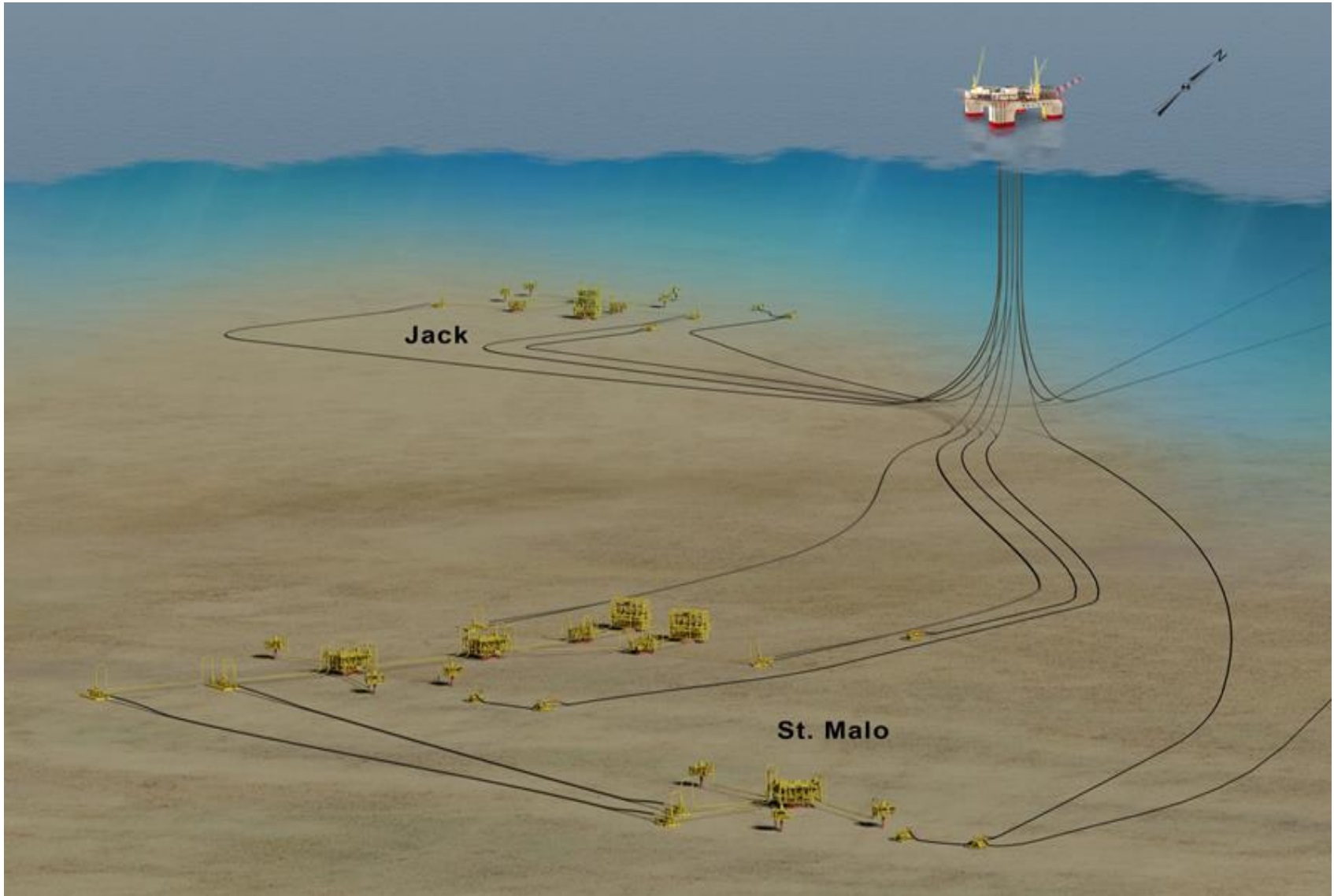


# Jack / St. Malo





# Jack & St. Malo Fields

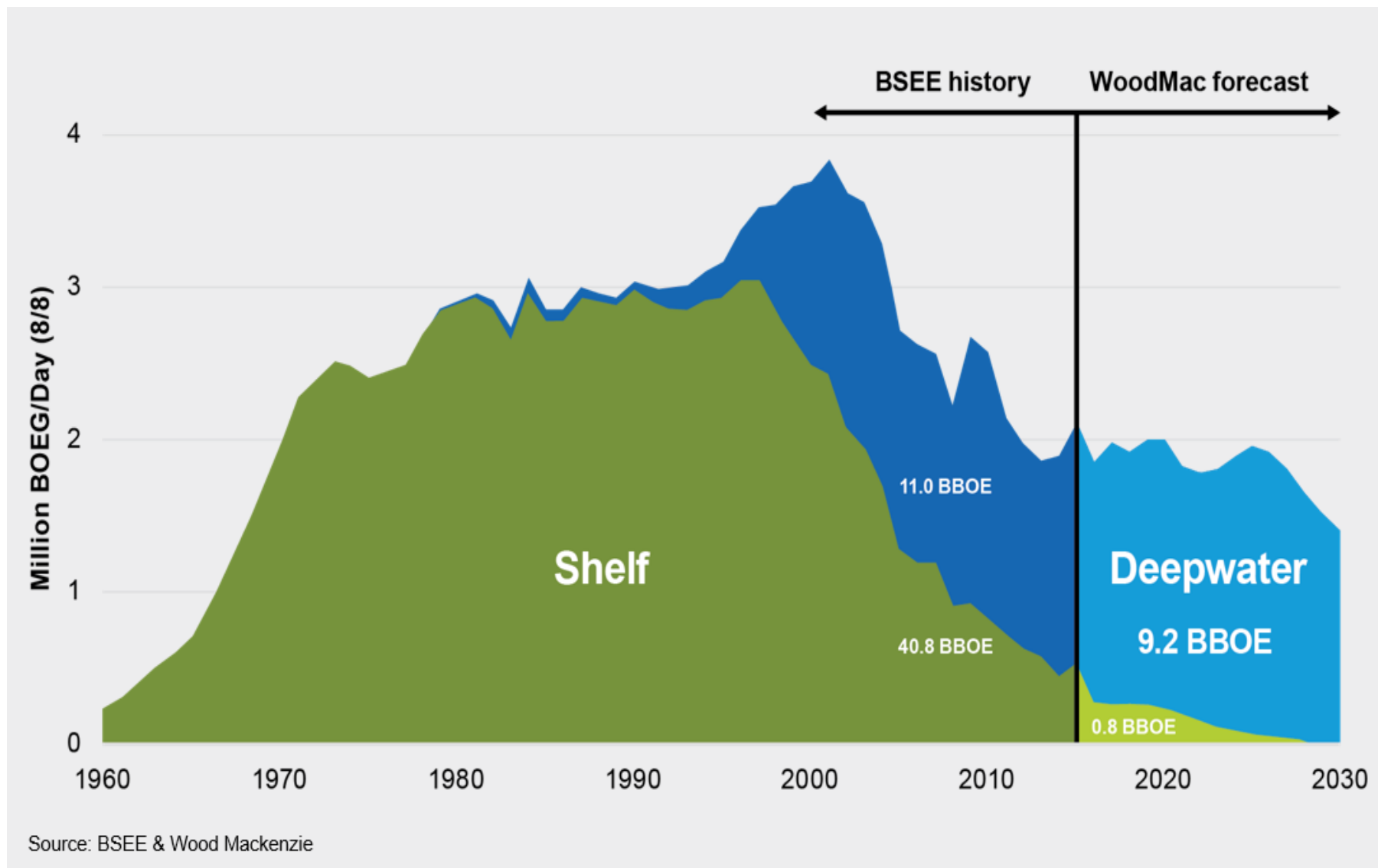


# Jack & St. Malo Scale





# Deepwater Growth



# Whale Discovery

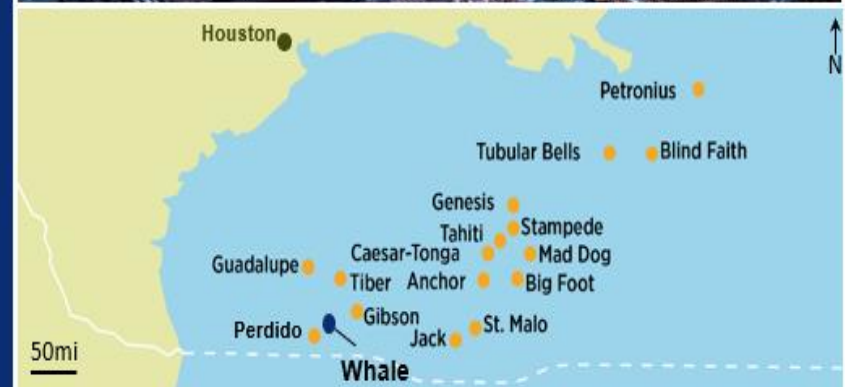
**1,400' of net oil**

**Water depth of 8,000', discovery well drilled to a total measured depth 22,948'**

**Shell (60%, Operator), Chevron (40%)**

**10-miles from Shell-operated Perdido platform**

**Offers combination of materiality and proximity to existing infrastructure**





# Ballymore Discovery

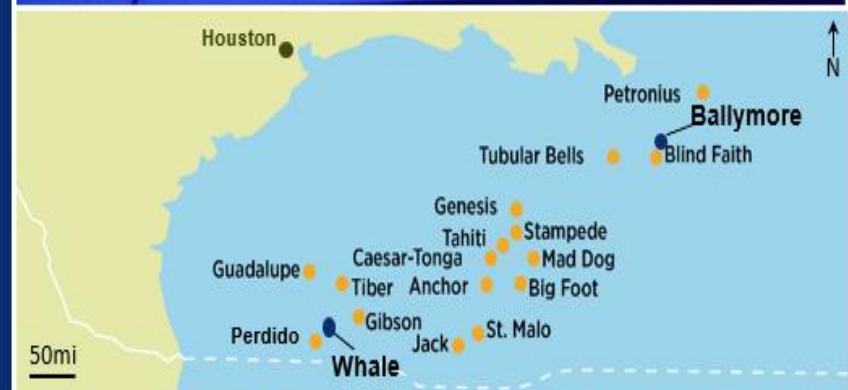
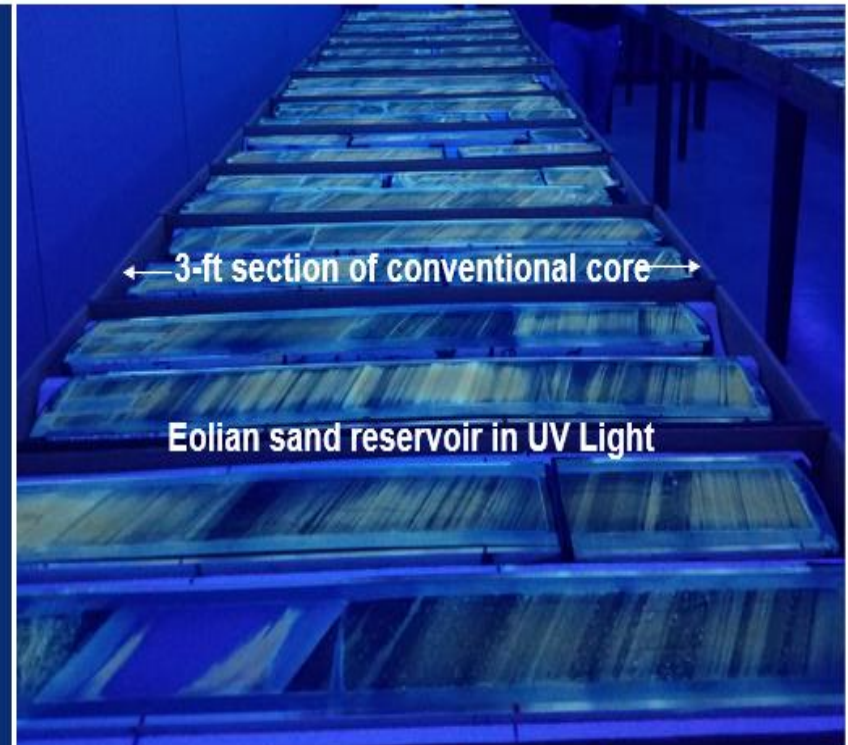
670' of net oil

Water depth of 6,536' and total measured depth of 29,194'

Chevron (60%, Operator) and TOTAL (40%)

3 miles from Chevron-operated Blind Faith platform

Excellent reservoir and fluid characteristics



# Improving Deepwater Value

## Efficiencies

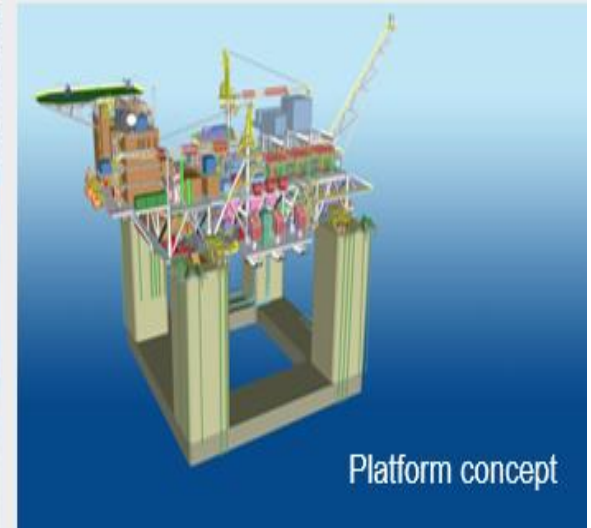
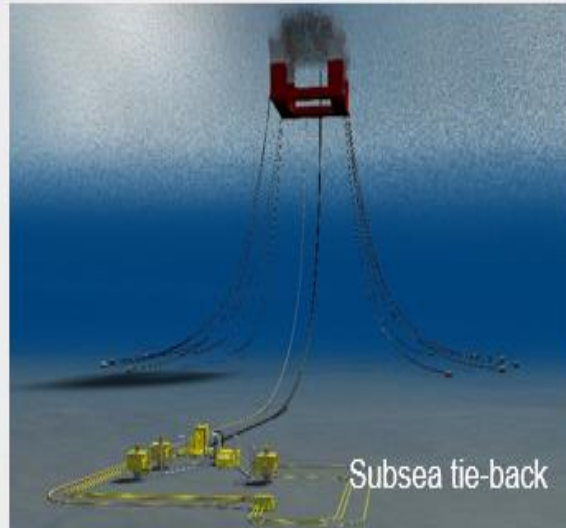
- Reduced completion time >40%
- Reduced unit operating cost by ~50%
- Reliability of ~98%

## Technology

- Extending subsea tie-back reach
- Real-time reservoir management
- Developing 20k psi equipment

## Standardization

- Subsea trees, equipment, topsides and floating systems
- Participant in joint industry effort



Driving development costs lower

Improving brownfield economics

Lowering greenfield cost to compete





# Social Investment





# Thank You

