

# Credit Suisse

## Energy Summit 2011



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Exploration and Production

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# Cautionary Statement



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*Certain terms, such as “resources,” “undeveloped gas resources,” “oil in place,” “recoverable reserves,” and “recoverable resources,” among others, may be used in this presentation to describe certain oil and gas properties that are not permitted to be used in filings with the U.S. Securities and Exchange Commission.*

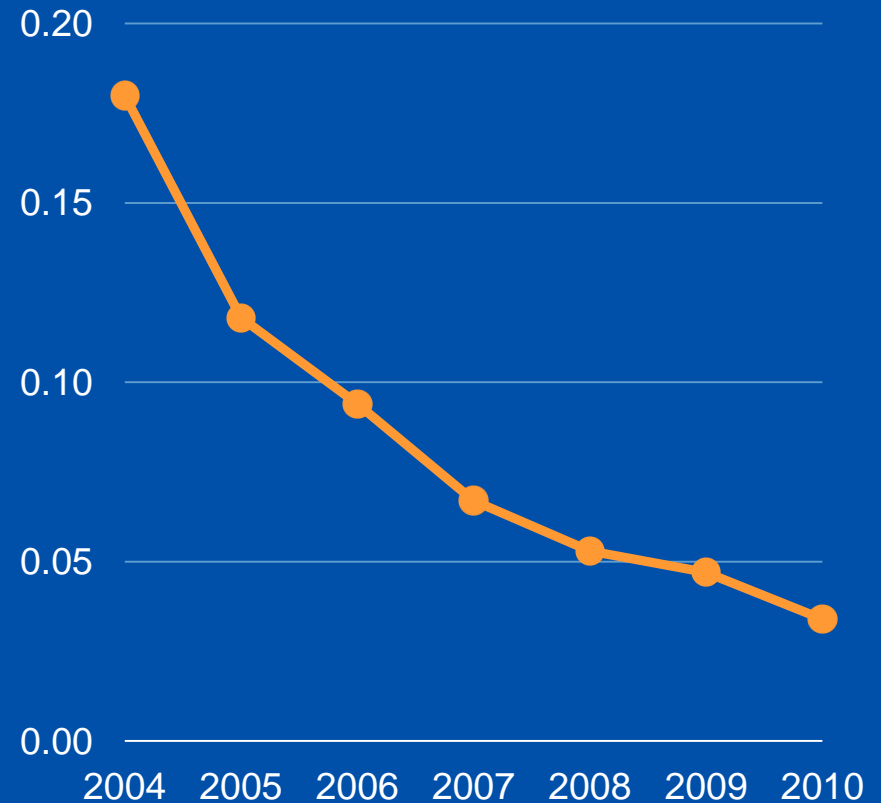
# Chevron's Strong Safety Culture



Do it **safely** or  
not at all.

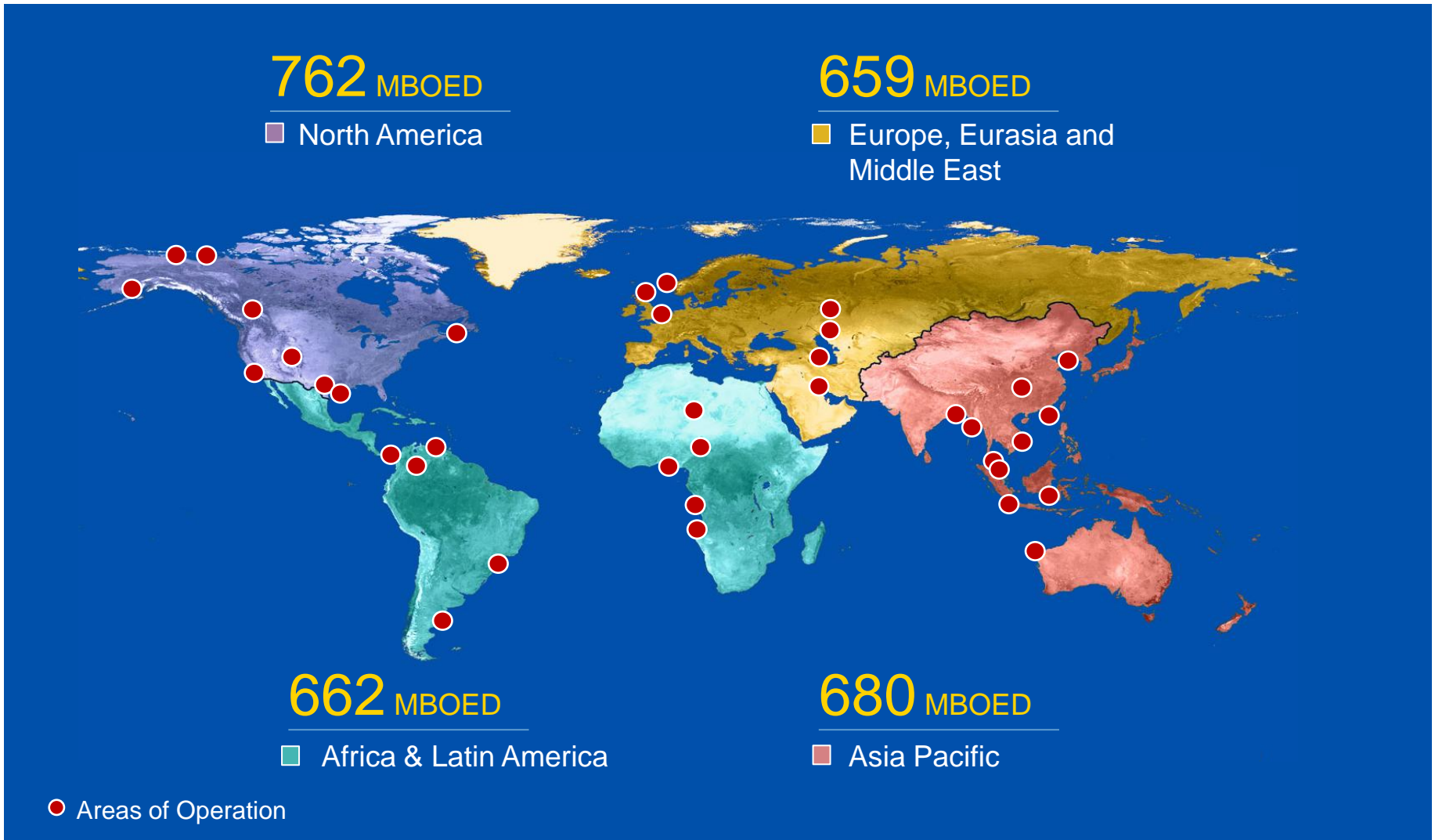
There is **always** time  
to do it right.

## Total Days Away From Work Rate 2004 – 2010

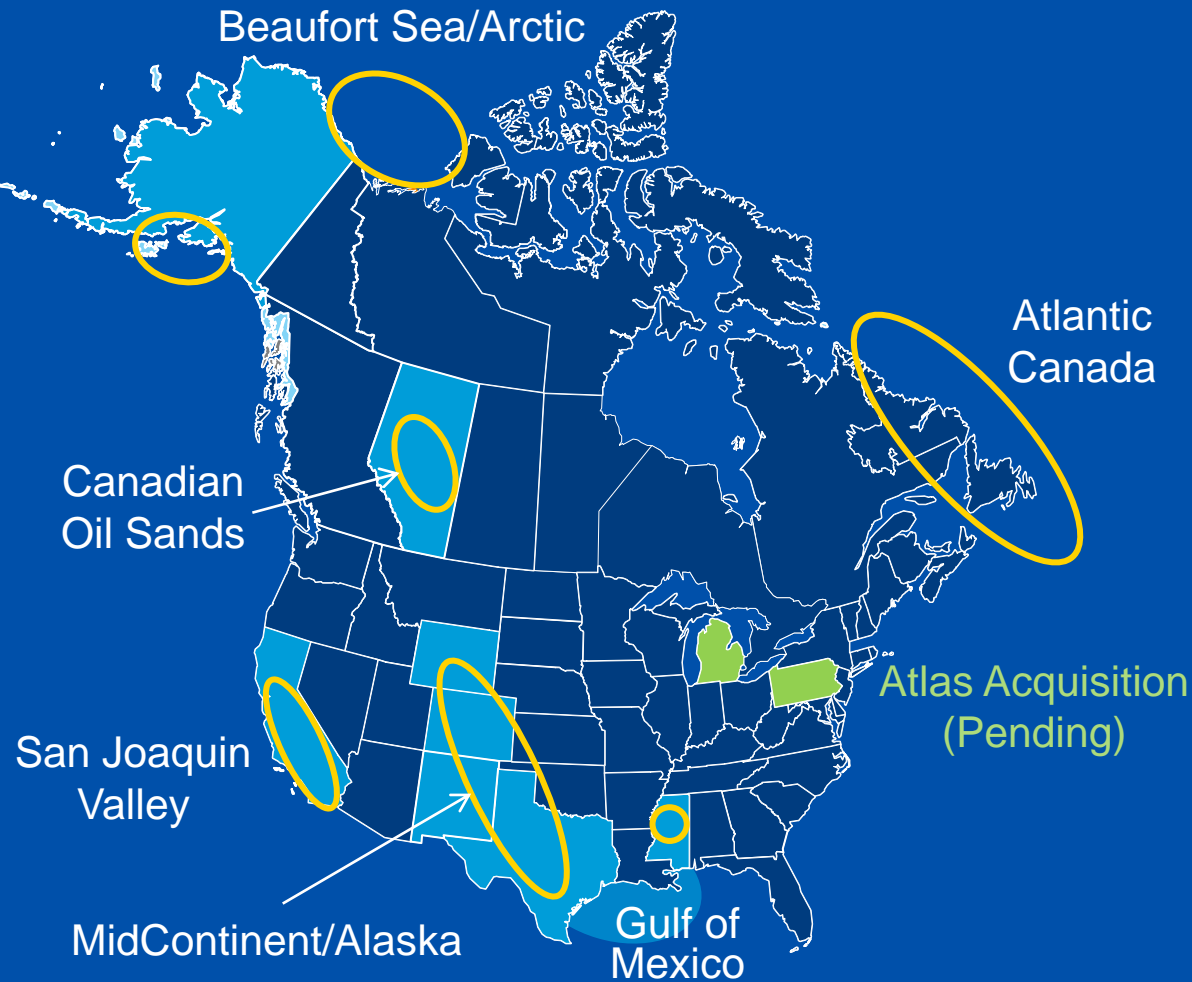


# Chevron Upstream Overview

## 2010 Net Production – 2,763 MBOED



# North America Upstream Operations





# Canada



2010 net production:

**54,000** BOED

Key operating areas

- Northern Canada
- Atlantic Canada
- Western Canada



- Athabasca Oil Sands Project
  - 255,000 BOED capacity
  - Chevron non-operated: 20% interest
  - Jack Pine Mine ramp-up in 2010
  - Scotford Upgrader expansion startup expected in 2011
- Atlantic Canada
  - Hibernia
    - Southern extension planned
    - Chevron non-operated
  - Hebron
    - Entered FEED in 2010
    - Chevron non-operated



- Chevron Activity Highlight
- Crude Oil Field
- Oil Sands

# United States

## San Joaquin Valley, California



Largest producer in California

2010 net production:

**199,000** BOED

Key operating areas:

- Kern River
- Midway Sunset
- Cymric
- McKittrick
- Lost Hills
- Elk Hills





# United States

## San Joaquin Valley, California



- Legacy asset for more than a century
- Recovered net production: 7 billion barrels of oil-equivalent
- Heavy Oil Center of Excellence
- Key projects
  - Kern River
    - mature steamflood operation
  - Cymric/McKittrick/Midway Sunset
    - heavy oil diatomite reservoirs
  - Elk Hills



- Chevron Activity Highlight
- Crude Oil Field

# United States Mid-Continent / Alaska

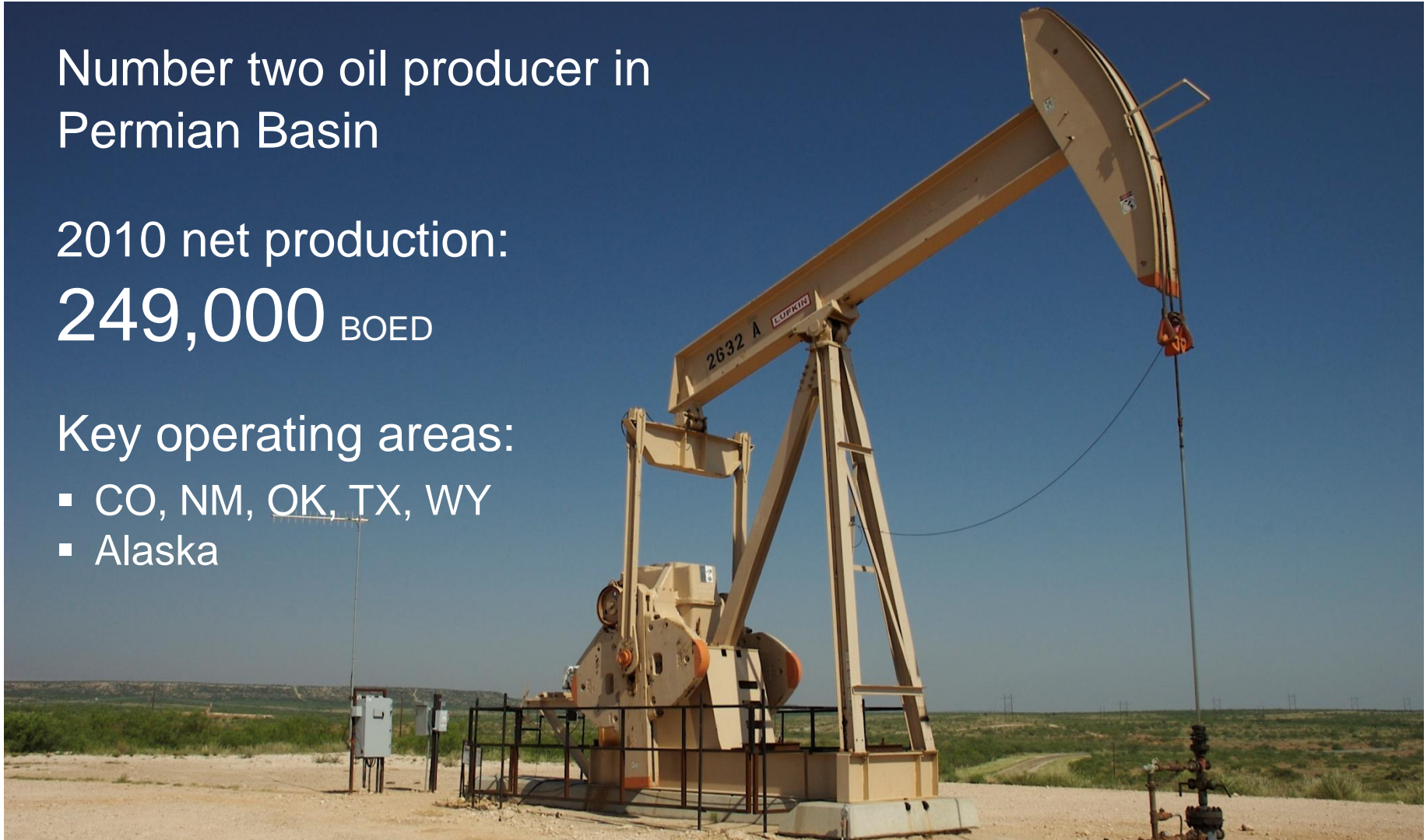


Number two oil producer in  
Permian Basin

2010 net production:  
**249,000** BOED

Key operating areas:

- CO, NM, OK, TX, WY
- Alaska



# United States Mid-Continent / Alaska



- Recovered net production:  
12 billion barrels of oil-equivalent
- Recently achieved 5 billion barrel net production milestone in Permian Basin
- Conventional resources
  - CO<sub>2</sub> enhanced recovery projects in New Mexico, Colorado, West Texas
- Key unconventional resource plays
  - Wolfcamp trend, Permian Basin
  - Piceance, NW Colorado
  - Haynesville, East Texas



■ Chevron Activity Highlight

# United States Gulf of Mexico



Largest leaseholder  
One of the largest  
producers

2010 net production:

**260,000** BOED

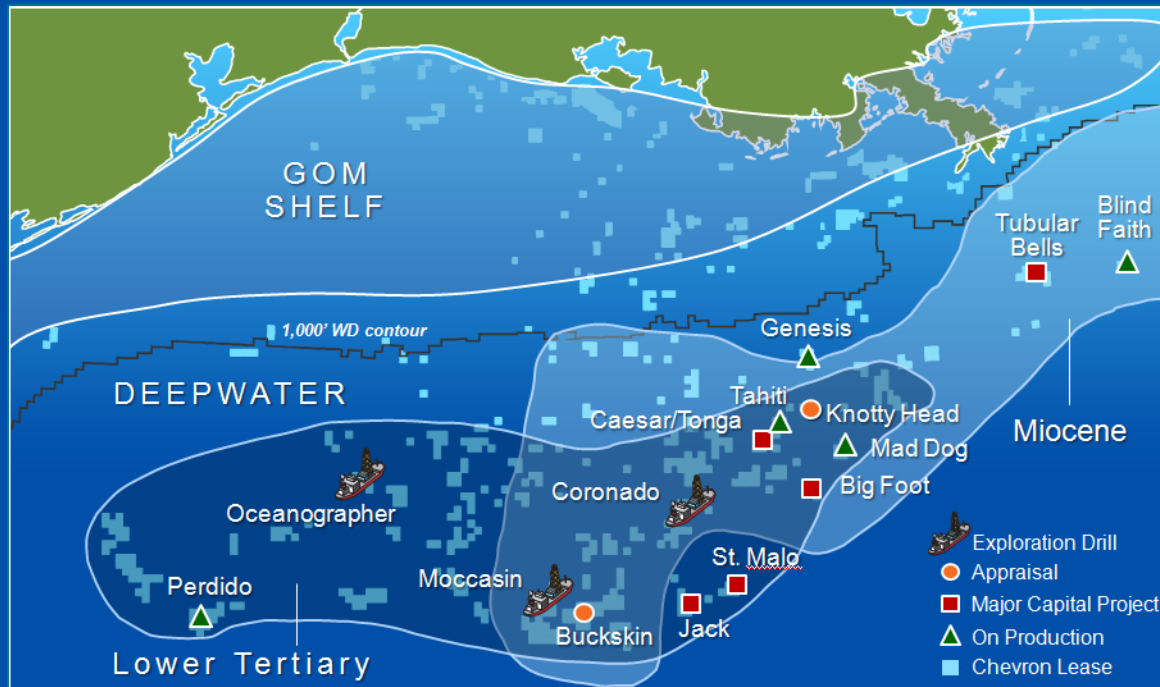
- Shelf – 123,000 BOED
- Deepwater – 137,000 BOED



# United States Gulf of Mexico



- Recovered net production: 9 billion barrels of oil-equivalent
- Substantial infrastructure enables deepwater development
- Ultra deep gas opportunities
- Wilcox trend provides significant growth opportunity





# Gulf of Mexico Major Capital Projects

## Jack/St. Malo



- FID October 2010
- Startup expected in 2014
- Three subsea centers tied back to a hub production facility
- Production capacity: 177 MBOED
- Total cost ~\$7.5 billion
- Chevron operated
  - Host facility: 50.67% interest
  - Jack field: 50% interest
  - St. Malo field: 51% interest
- Estimated >500 MMBOE total recoverable resource

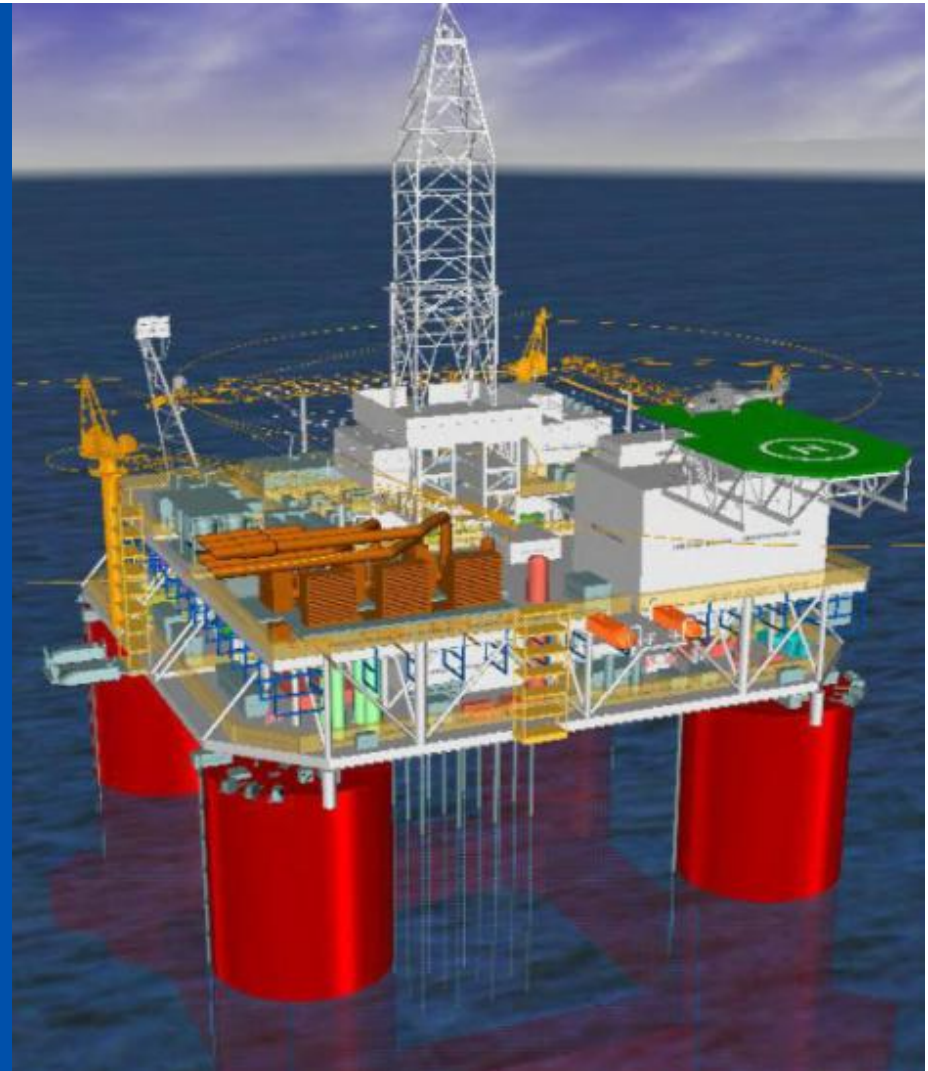


# Gulf of Mexico Major Capital Projects

## Big Foot



- FID December 2010
- Startup expected in 2014
- Extended Tension Leg Platform with onboard drilling rig
- Production capacity: 79 MBOED
- Total cost ~\$4 billion
- Chevron operated: 60% interest
- Estimated >200 MMBOE total recoverable resource



# Gulf of Mexico Major Capital Projects

## Tahiti 2



- FID September 2010
- Startup expected in 2011
- Second development phase for producing Tahiti field
- Extends Tahiti's plateau production
- 3 water injection wells and 2 additional production wells
- Total cost ~\$2 billion
- Chevron operated: 58% interest
- Estimated 400-500 MMBOE total recoverable resource (Tahiti field)





# Gulf of Mexico Major Capital Projects

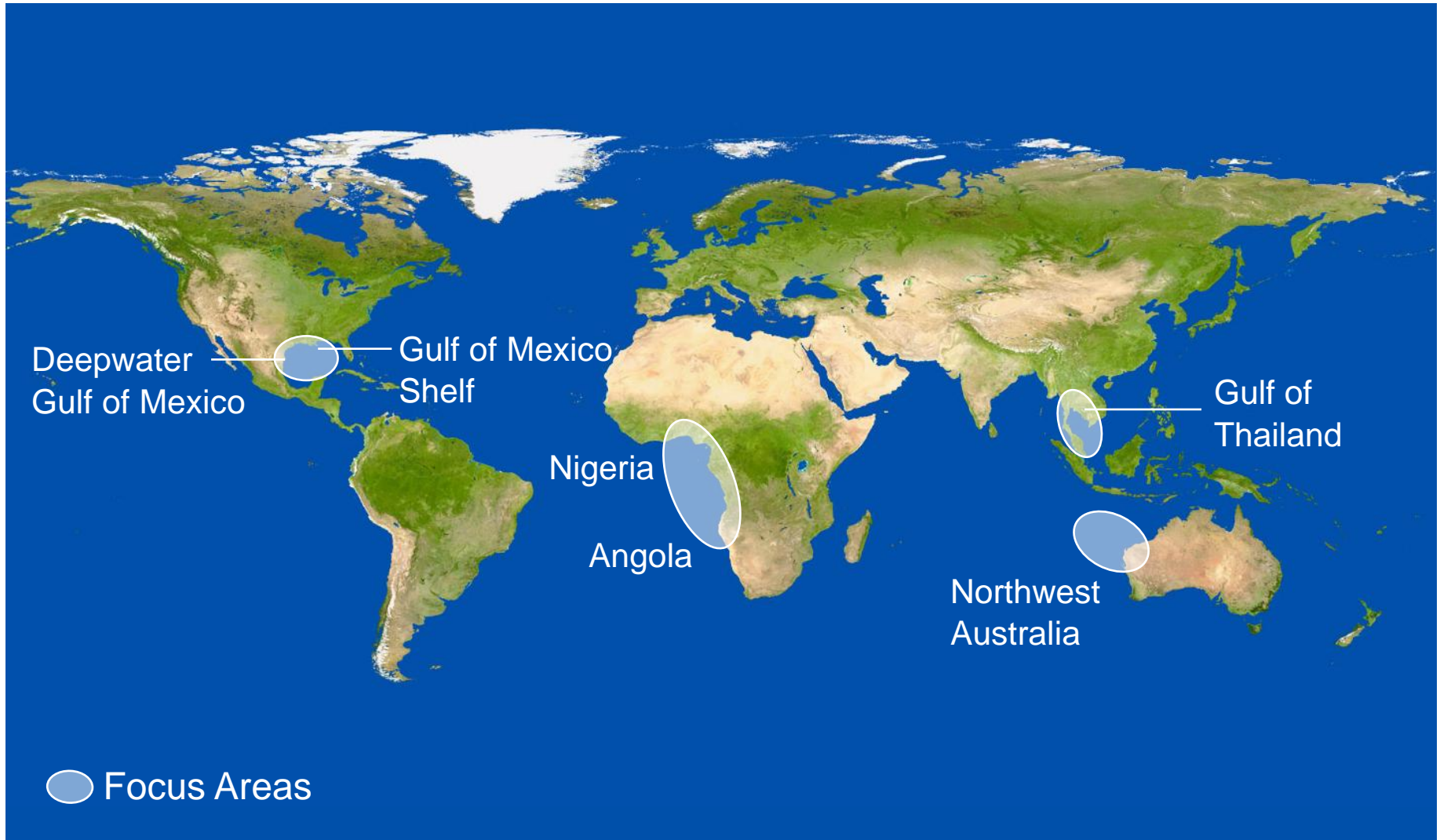
## Perdido Regional Development



- First oil March 2010
- Industry's first production from Lower Tertiary
- Subsea wells and separation facilities with tieback to a spar floating production facility
- Production capacity: 130 MBOED
- Total cost ~\$4.4 billion
- Chevron non-operated
  - Host facility: 37.5% interest
  - Great White field: 33.3% interest
  - Silvertip field: 60% interest
  - Tobago field: 57.5% interest



# Chevron's Exploration Focus Areas





# 2010 North America Exploration Activities



## Gulf of Mexico

- Deepwater: 50% equity position in top 45 Lower Tertiary prospects
- Shelf: deep gas exploration

## Canada

- Atlantic Canada (Orphan Basin)
- Arctic / Beaufort Sea
- Western Canada (shale gas)

## Enablers

- Next generation drill ships
- History of successful lease capture
- Technology advances



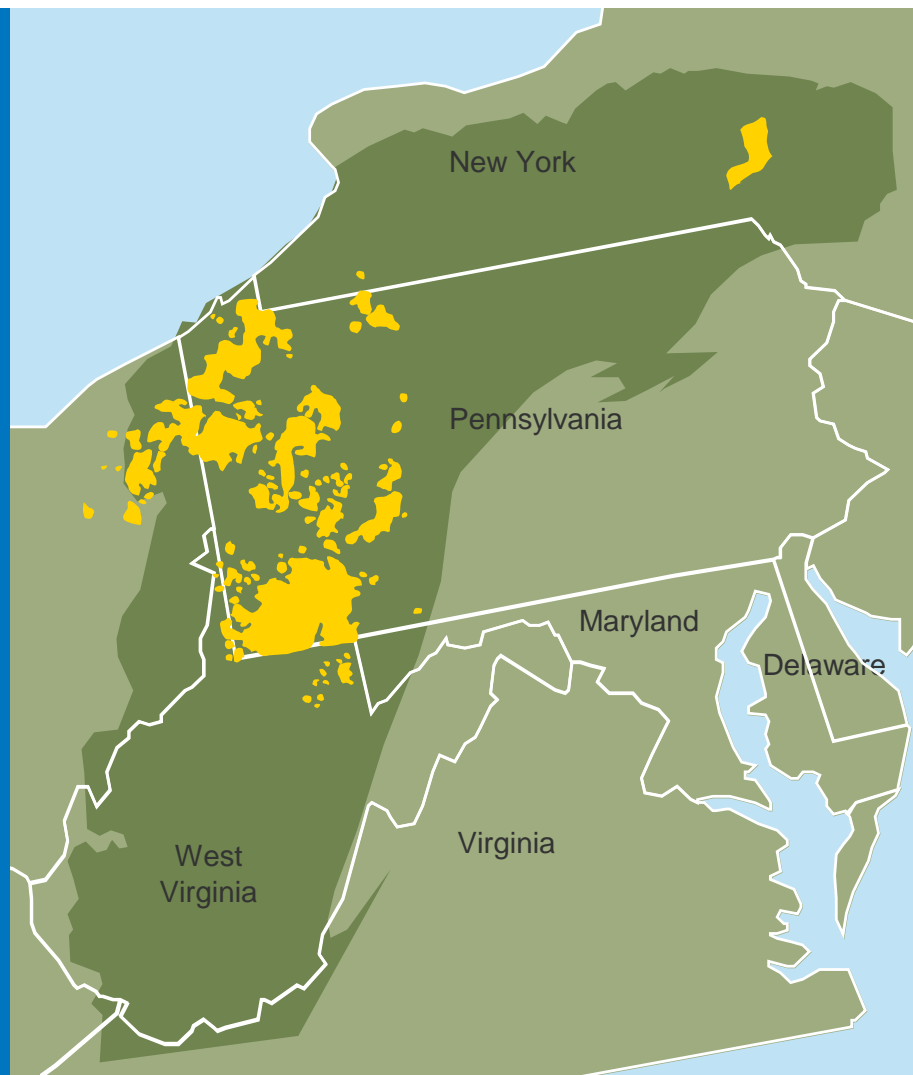
- Focus Areas
- Exploration Wells
- Appraisal Wells

# Atlas Energy Acquisition



## Assets in “Sweet Spot” of Marcellus Trend

- Appalachian Basin
  - 486,000 net acres of Marcellus Shale
  - 623,000 net acres of Utica Shale
  - 49% interest in Laurel Mountain Midstream, LLC
- Michigan
  - 100,000 net acres of Collingwood/Utica Shale
  - Antrim producing assets



# Atlas Energy Acquisition Strategic Drivers



- Targeted, high-quality asset
  - Low development costs
  - Includes midstream assets
  - Proximity to key markets
- Chevron-operated
- Limited near-term Chevron investment due to drilling carry
- High-performing workforce
- Enhances shale gas capabilities
- Complementary to recent international shale gas opportunities



# Well-Positioned for Today and Tomorrow



Robust **major capital project** queue

Focused **base business** operations

**Exploration** focus area

Capturing **new opportunities**

**Strong execution momentum**

**Well-positioned to compete**



# Questions?





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