

Chevron

Morgan Stanley Energy Summit: Deepwater Gulf of Mexico



Stephen Thurston
Vice President, Deepwater Exploration and Projects
Chevron North America E&P Company

August 29th, 2012
Houston, Texas



Cautionary Statement

CAUTIONARY STATEMENTS RELEVANT TO FORWARD-LOOKING INFORMATION FOR THE PURPOSE OF "SAFE HARBOR" PROVISIONS OF THE PRIVATE SECURITIES LITIGATION REFORM ACT OF 1995

This presentation of Chevron Corporation contains forward-looking statements relating to Chevron's operations that are based on management's current expectations, estimates and projections about the petroleum, chemicals and other energy-related industries. Words such as "anticipates," "expects," "intends," "plans," "targets," "forecasts," "projects," "believes," "seeks," "schedules," "estimates," "budgets," "outlook" and similar expressions are intended to identify such forward-looking statements. These statements are not guarantees of future performance and are subject to certain risks, uncertainties and other factors, some of which are beyond the company's control and are difficult to predict. Therefore, actual outcomes and results may differ materially from what is expressed or forecasted in such forward-looking statements. The reader should not place undue reliance on these forward-looking statements, which speak only as of the date of this presentation. Unless legally required, Chevron undertakes no obligation to update publicly any forward-looking statements, whether as a result of new information, future events or otherwise.

Among the important factors that could cause actual results to differ materially from those in the forward-looking statements are: changing crude oil and natural gas prices; changing refining, marketing and chemical margins; actions of competitors or regulators; timing of exploration expenses; timing of crude oil liftings; the competitiveness of alternate-energy sources or product substitutes; technological developments; the results of operations and financial condition of equity affiliates; the inability or failure of the company's joint-venture partners to fund their share of operations and development activities; the potential failure to achieve expected net production from existing and future crude oil and natural gas development projects; potential delays in the development, construction or start-up of planned projects; the potential disruption or interruption of the company's net production or manufacturing facilities or delivery/transportation networks due to war, accidents, political events, civil unrest, severe weather or crude oil production quotas that might be imposed by the Organization of Petroleum Exporting Countries; the potential liability for remedial actions or assessments under existing or future environmental regulations and litigation; significant investment or product changes under existing or future environmental statutes, regulations and litigation; the potential liability resulting from other pending or future litigation; the company's future acquisition or disposition of assets and gains and losses from asset dispositions or impairments; government-mandated sales, divestitures, recapitalizations, industry-specific taxes, changes in fiscal terms or restrictions on scope of company operations; foreign currency movements compared with the U.S. dollar; the effects of changed accounting rules under generally accepted accounting principles promulgated by rule-setting bodies; and the factors set forth under the heading "Risk Factors" on pages 29 through 31 of the company's 2011 Annual Report on Form 10-K. In addition, such statements could be affected by general domestic and international economic and political conditions. Other unpredictable or unknown factors not discussed in this presentation could also have material adverse effects on forward-looking statements.

Certain terms, such as "unrisked resources," "unrisked resource base," "recoverable resources," and "oil in place," among others, may be used in this presentation to describe certain aspects of the company's portfolio and oil and gas properties beyond the proved reserves. For definitions of, and further information regarding, these and other terms, see the "Glossary of Energy and Financial Terms" on pages 58 and 59 of the company's 2011 Supplement to the Annual Report and available at Chevron.com.

Strong Safety Culture

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

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

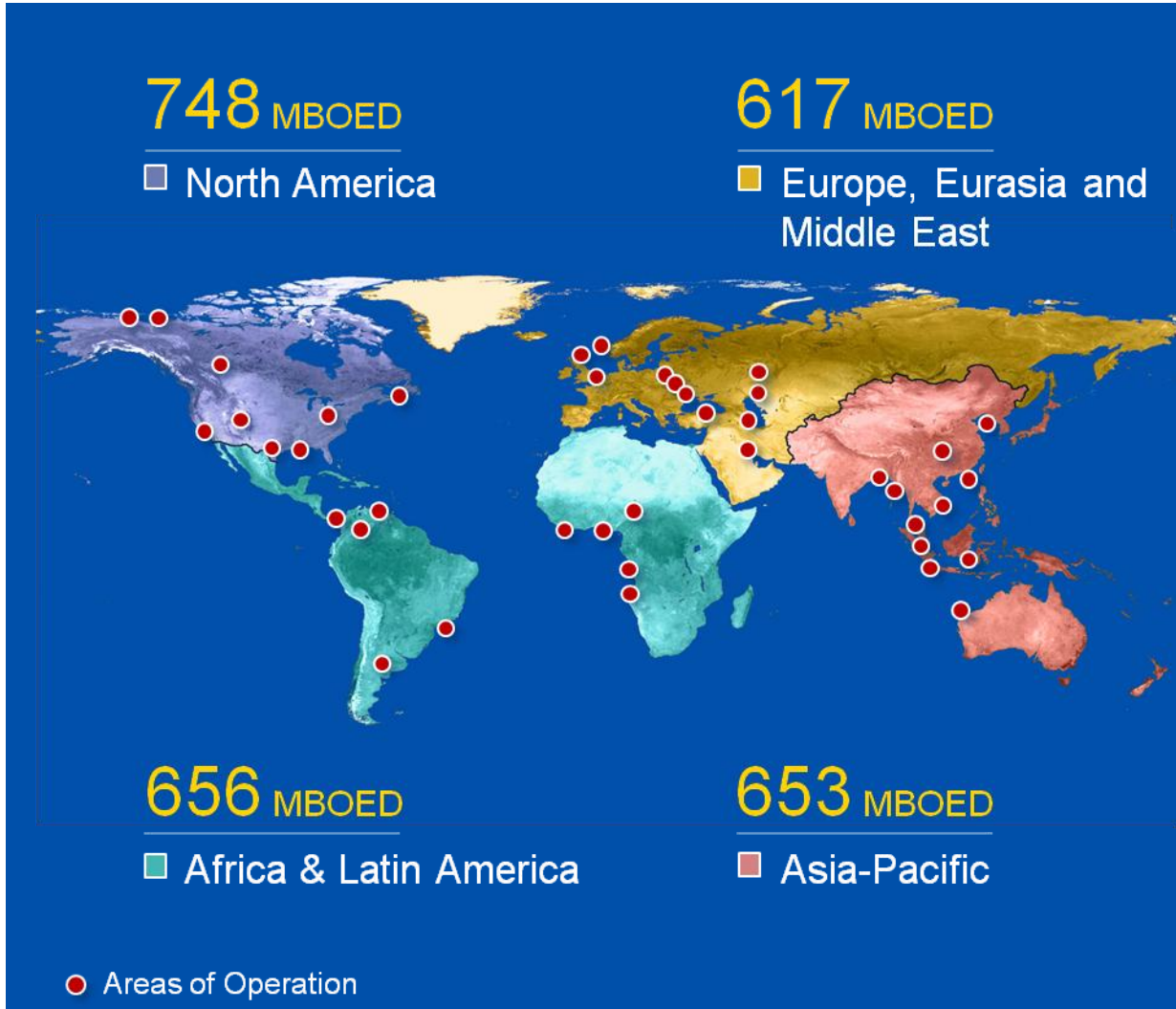
Total Days Away From Work Rate



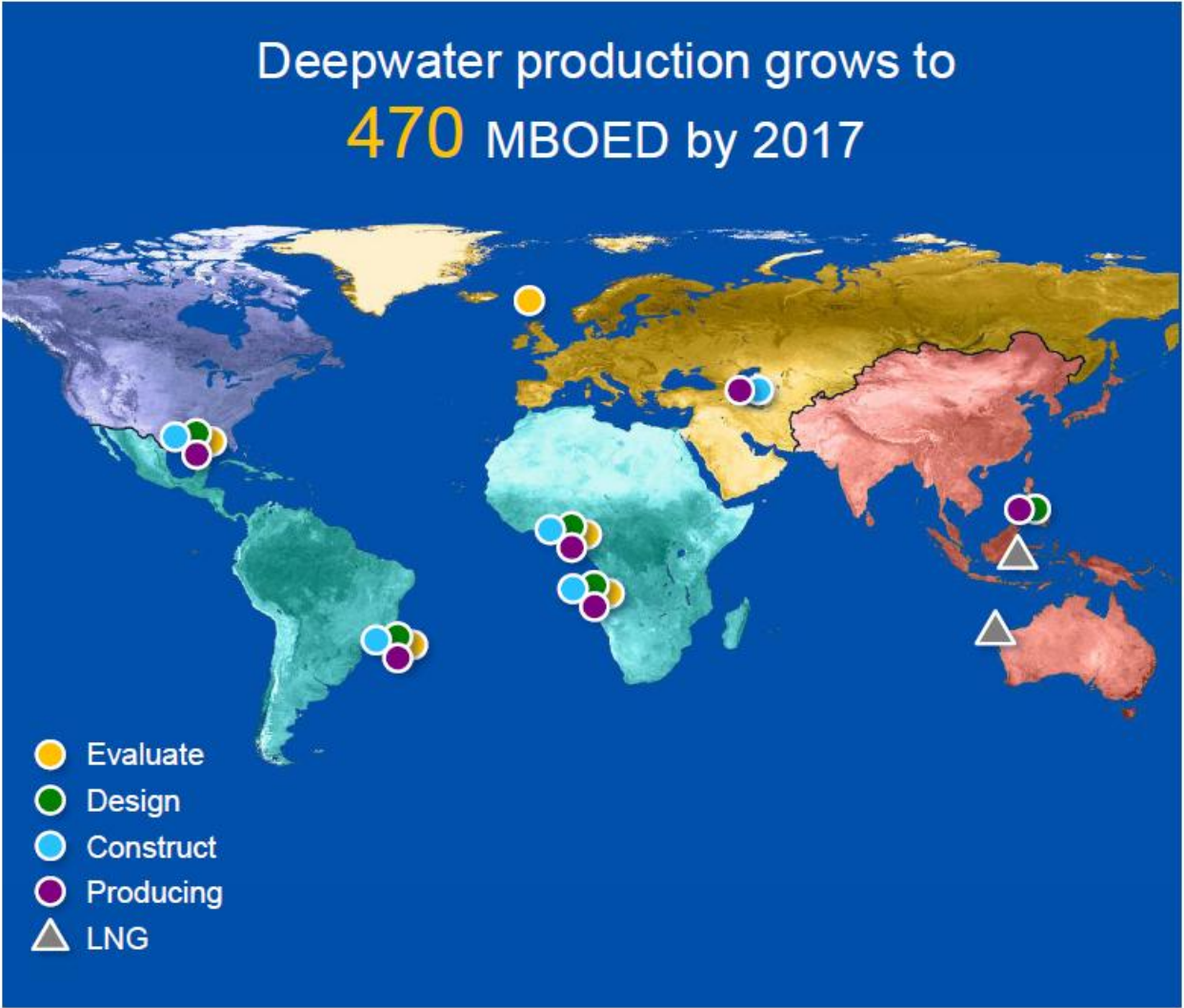
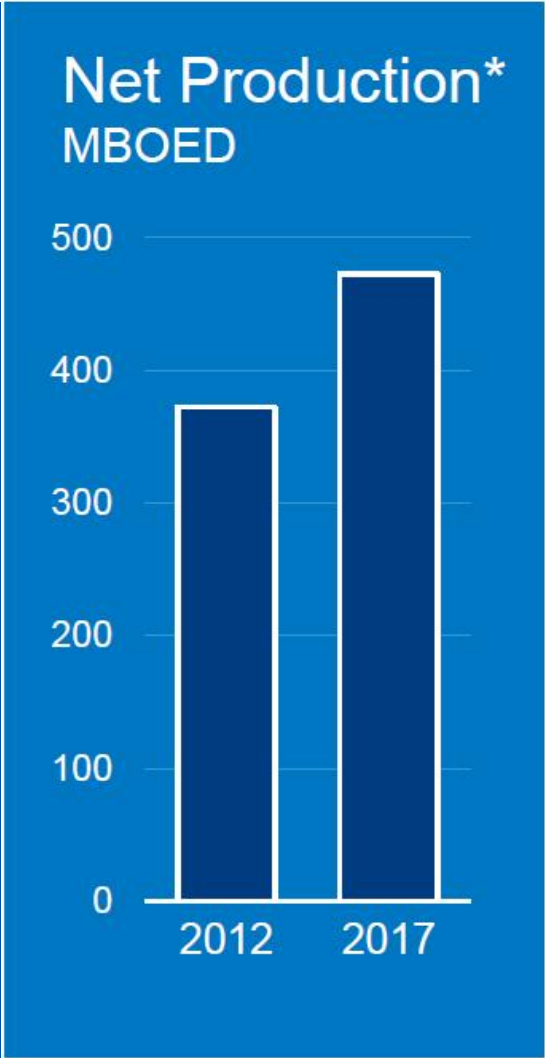
1 CVX Ranking Relative to Competitors
1 being the lowest rate

Competitor Range: BP, COP, RDS, XOM

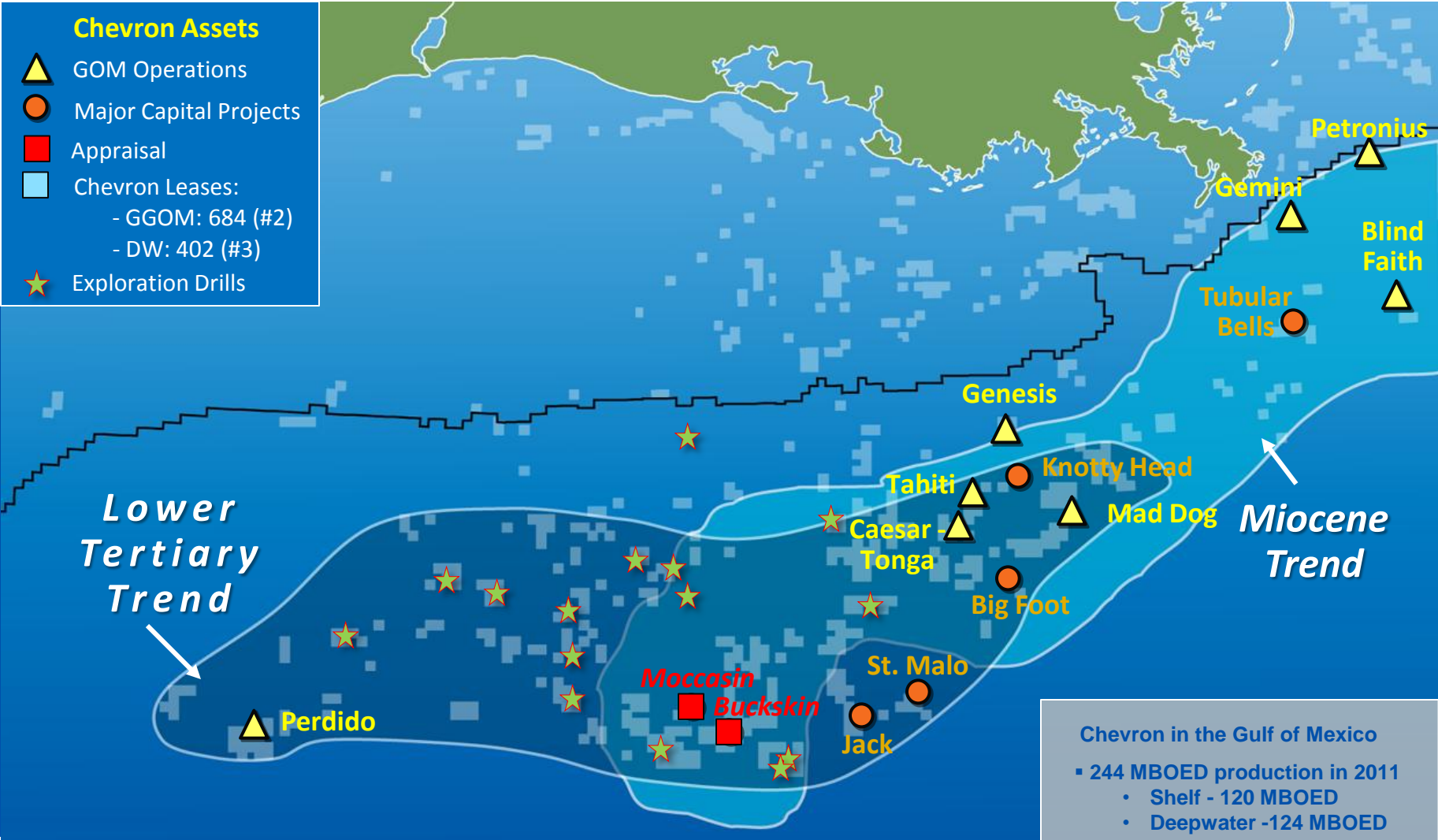
A Strong and Diverse Upstream Worldwide Portfolio



Global Deepwater Portfolio is Delivering Production Growth



A Leading Player in the Gulf of Mexico

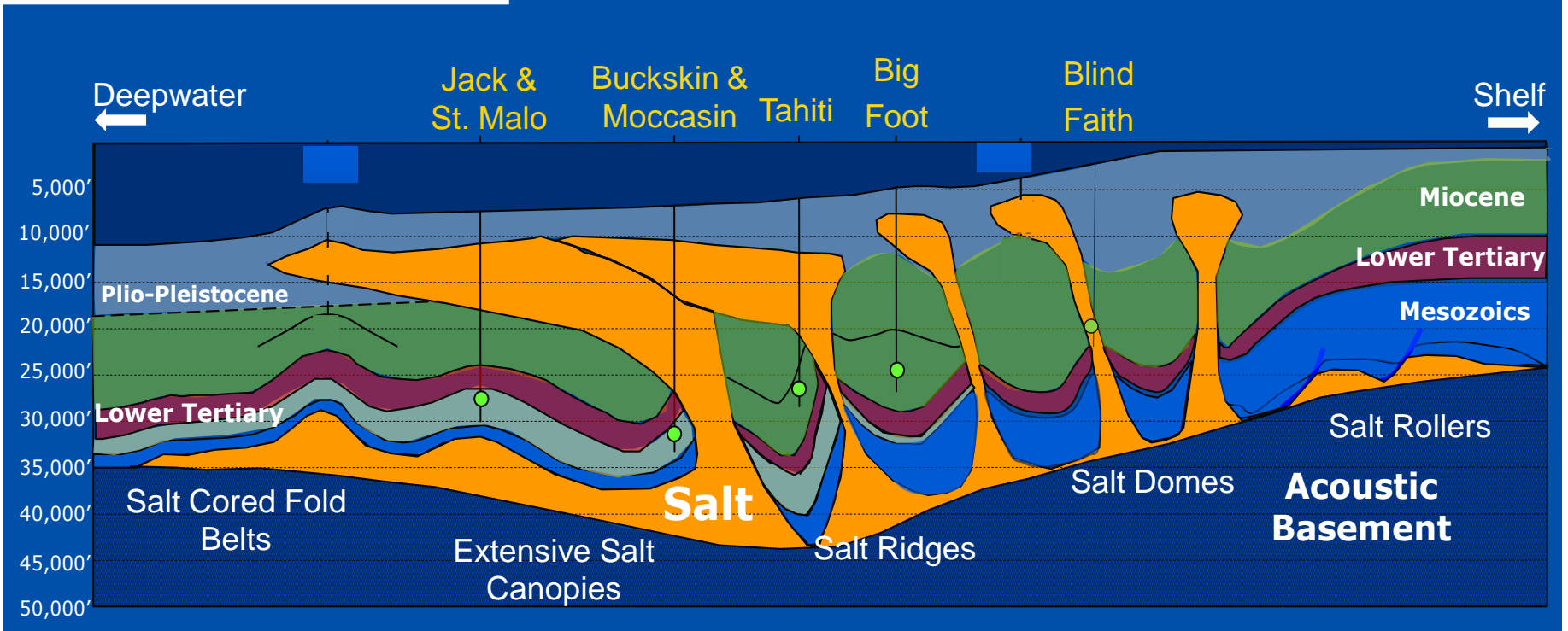


Where we Work: The Deepwater Gulf of Mexico



“World-Class” Petroleum Basin*

- 77 BBOE Discovered
- > 45 BBOE Produced
- Most challenging wells in the world
- Deepest water developments in the world



* Source: Bureau of Ocean Energy Management (BOEM)

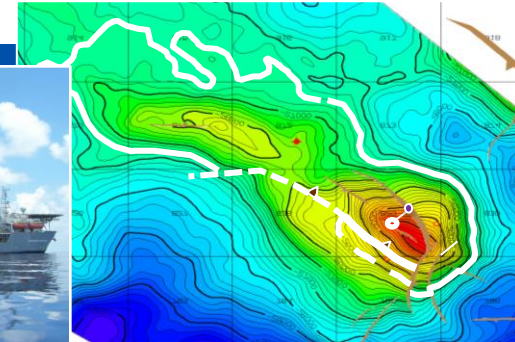
Superior Technical Competencies in all aspects of Deepwater



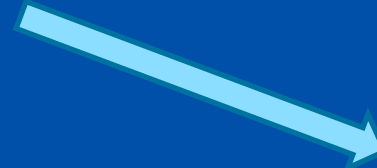
Explore & Lease



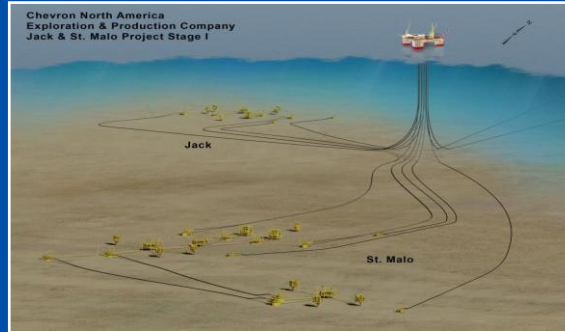
Drilling & Develop



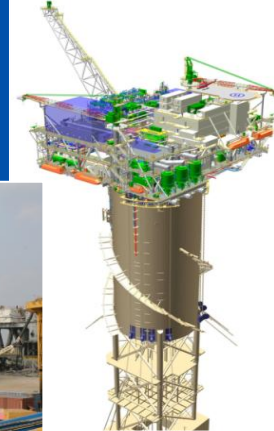
Drill & Appraise



Production Operations



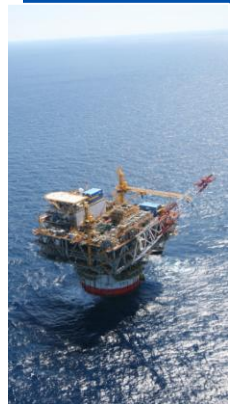
Design



HUC

Start Up & Ramp Up

Fabricate & Install



Deployment of New Deepwater Technologies from “Top to Bottom”

Seismic Imaging

- Reverse Time Migration
- Integration of 3D Basin and Mechanical Earth Models

Drilling & Completions

- Single Trip Multi Zone Frac Pack
- Dual Gradient Drilling

Subsea Systems

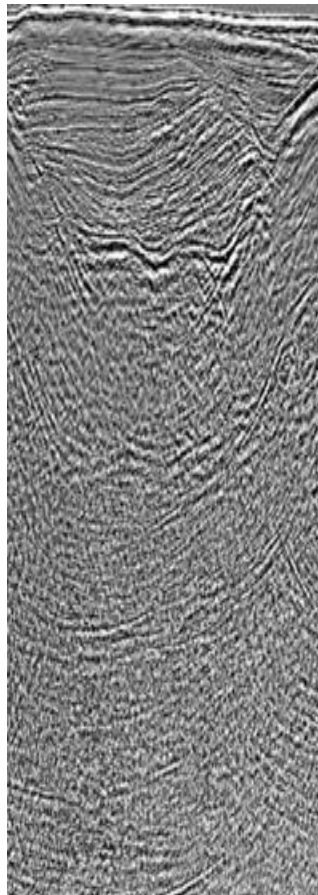
- Subsea Electrical Submersible pumps
- Single and Multi-Phase seabed pumping



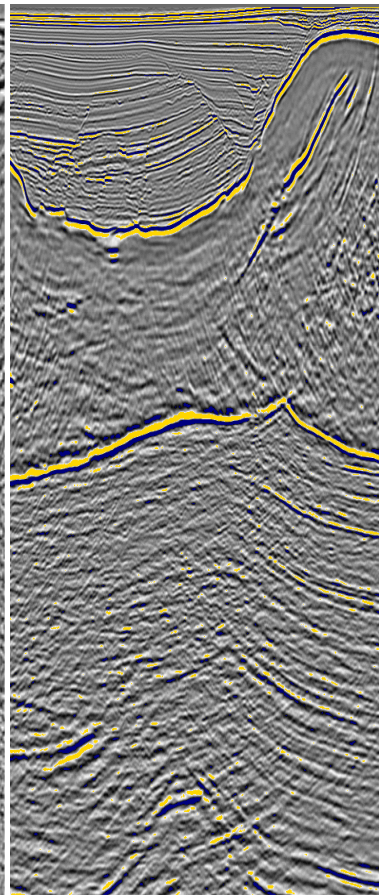
Technology Development

Seismic Yesterday vs. Today

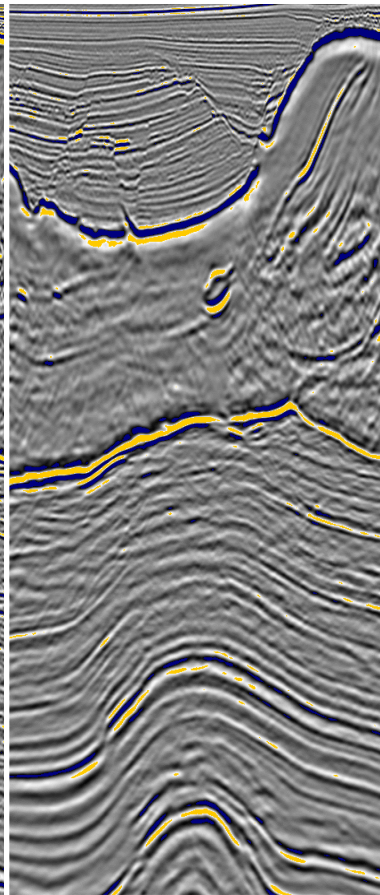
Late 1990's 2-D
Time Migration



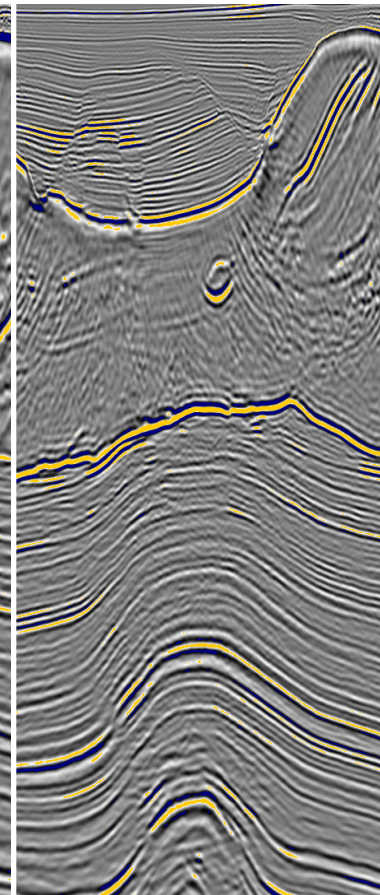
2006 - NATS
Chevron Image



2009 - WAZ
Vendor Image

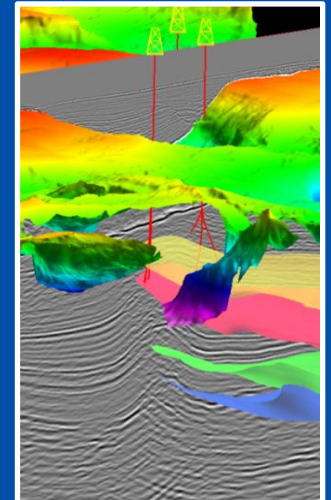


2010 - WAZ
Chevron Image



Chevron Proprietary Earth Science Technologies:

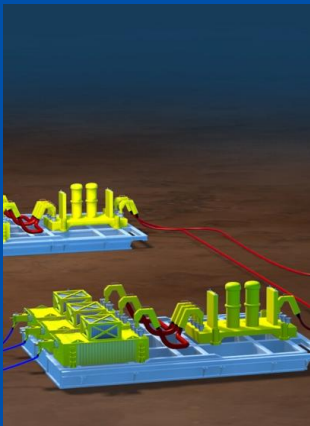
- Reverse Time Migration (RTM)
- Integration of 3D Basin and Mechanical Earth Models
- Compaction state prediction



Seismic courtesy of WesternGeco

Chevron's Technology Portfolio: Driving Improvements in Hydrocarbon Recovery

< 10%
recovery factor



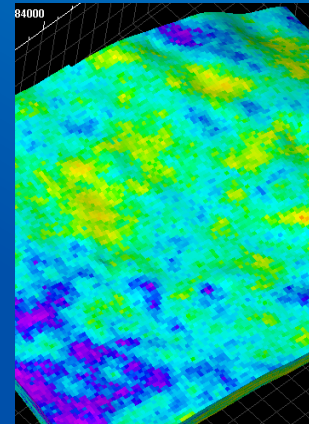
Natural Flow



Seafloor
Pumps

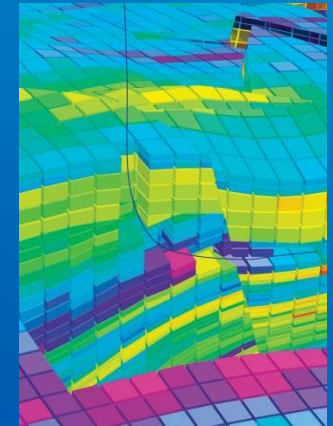


Long Life
In-Well Pumps



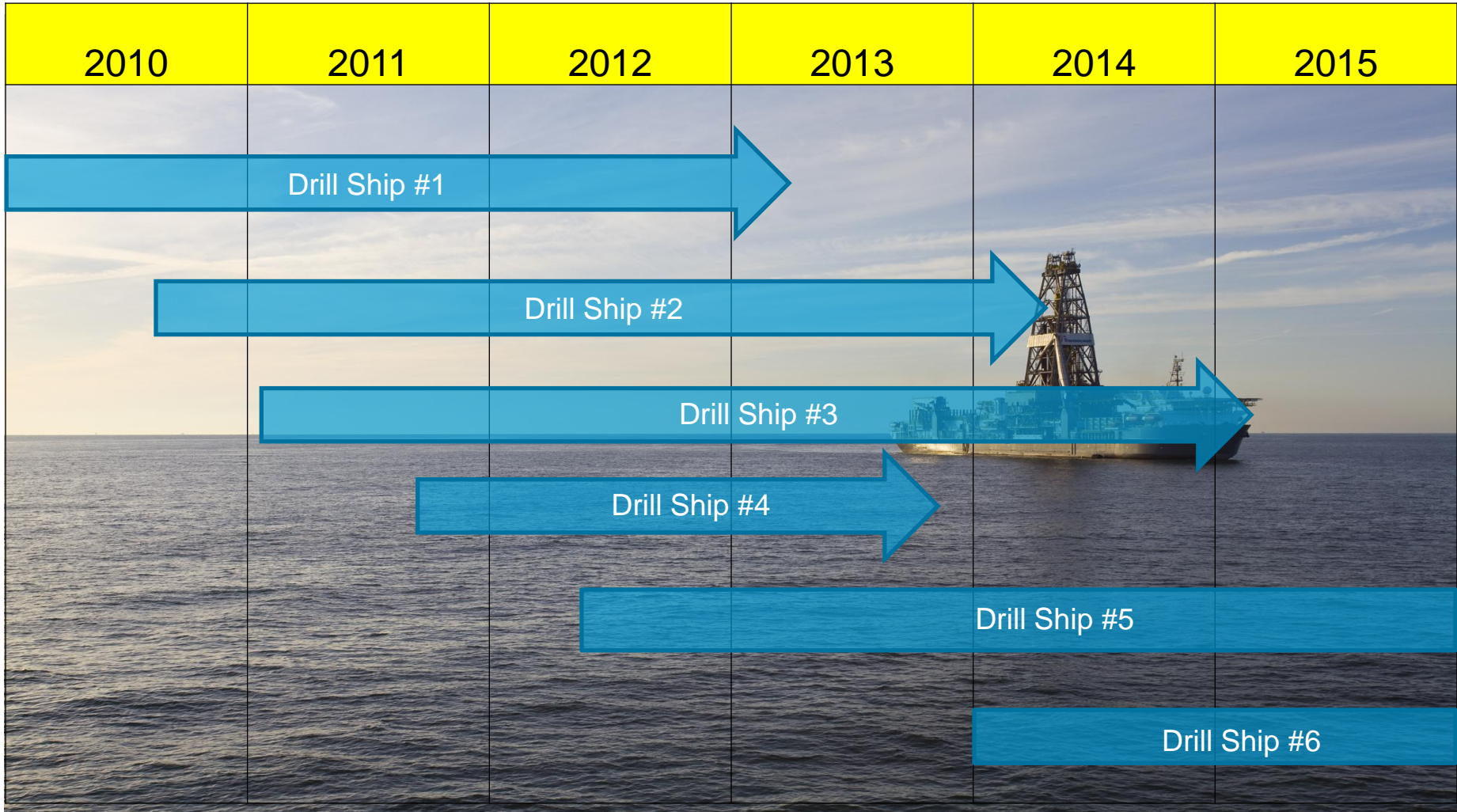
Optimized
Waterflood

> 20%
recovery factor



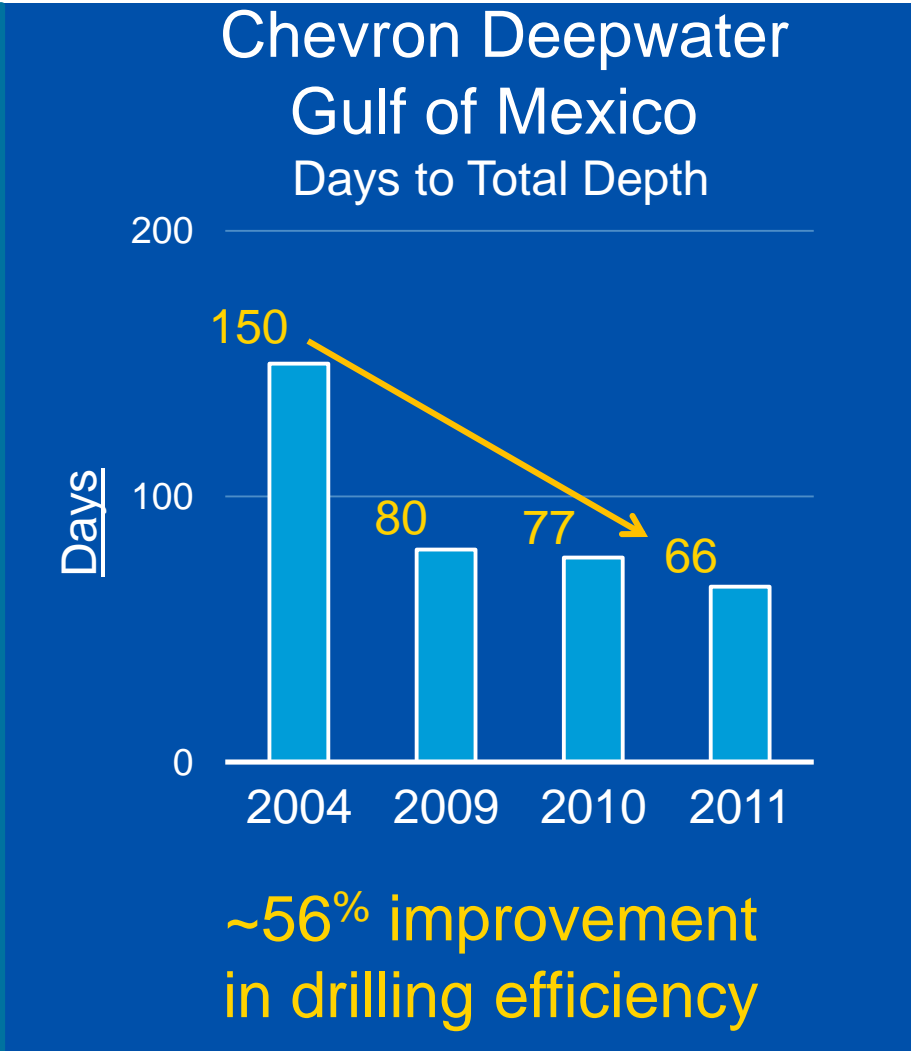
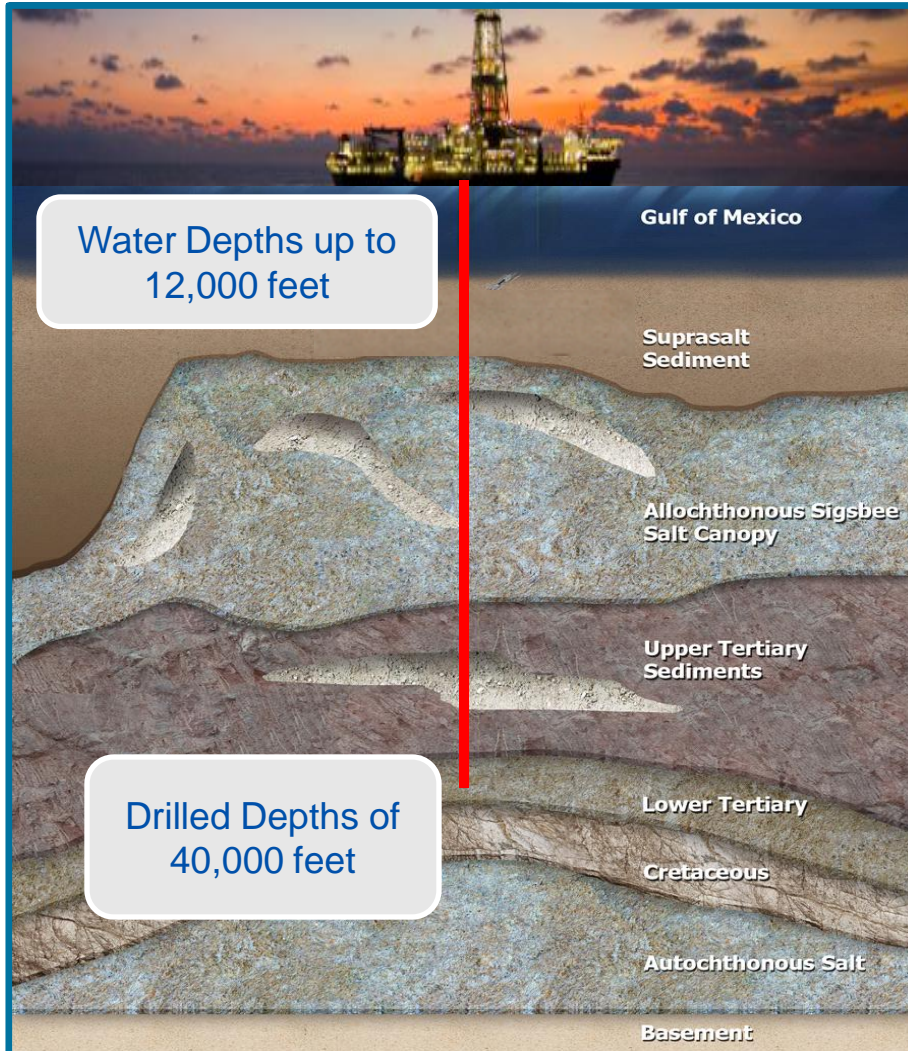
Gas Injection for
Enhanced Oil
Recovery

Operational Capability: Currently Operating Five Drill Ships in Deepwater



 Existing Contract

Overcoming Key Drilling Technical Challenges



Planning is the Foundation for Superior Drilling Performance

Superior Equipment

- Sixth Generation Drillships
- Up to water depths of 12,000 feet
- Thick wall 16" casing to 23,000 feet
- Maximum drill depths of 40,000 feet
- Dual Gradient Drilling Capability



Superior Planning

- Six months per well
- Detailed Shallow Hazards Analysis
- Complex Well Engineering
- Risk and Uncertainty Management Planning

Superior Execution

- Standardized Processes
- Well Control Fluency
- Rigorous Management of Change
- Operational Discipline

Chevron Permitting Highlights and Success in Gulf of Mexico

Chevron leading the industry in getting back to work post-Macondo:

- First permit to resume drilling, on the Tahiti injector well in September, 2010
- First revised Exploration Plan approved in December, 2010
- First approved permit for an exploratory well in March, 2011 – first new discovery for Chevron after the moratorium
- No delays in drilling due to waiting on drilling permits since May 2011 (with 5 rigs)
- 16 permits to drill new wells approved since March, 2011
- 3 batch set drilling programs including 25 wells approved

Existing Deepwater Assets Performing “World Class”

Blind Faith

Deep Draft Semi Submersible

- First Oil in 2008
- Deepest water operated development
- Chevron Operated
- Low Cost Development
- Operations & RM optimized through I-field technologies
- Facility capacity of 70 MBOED

Tahiti

Spar

- First Oil in 2009
- Largest single piece truss spar
- Deepest production wells in the Gulf of Mexico
- Chevron Operated
- 15,000 psi subsea trees
- World’s deepest water injection and intelligent completions
- Facility capacity of 135 MBOED

Perdido

Spar Host Facility with Drilling Rig

- First Oil in 2010
- One of the world’s deepest spar production facility in the world
- Subsea development to a shared host facility built to serve multiple fields
- Max. production of 130 MBOED expected to be reached in 2013

Caesar-Tonga

Tie Back to Constitution

- First Oil in 2012
- First application of steel lazy wave risers in the Gulf of Mexico
- Max. production expected to be 46 MBOED



New Major Capital Projects “On Track”

Jack/St. Malo

Semi-Submersible

- Single host floating production unit
- Long distance tiebacks
- High pressure sea floor boosting
- Production capacity of 177 MBOED
- Start up in 2014



Big Foot

Tension Leg Platform

- Gulf’s Deepest Water TLP
- Full capacity drilling rig for development wells
- Dry trees future interventions
- World’s deepest set electrical submersible pumps
- Prod. capacity of 79 MBOED
- Start up in 2014



Tubular Bells

Spar

- Subsea production wells plus water injection wells from two drill centers
- Peak production of 40-45 MBOED
- Start up in 2014



Growth Portfolio “On Track”

- Knotty Head progressing toward development
- Buckskin & Moccasin Appraisal program underway (Chevron op.)
- Chevron highest bidder on 30 new blocks in the Offshore Continental Shelf Lease Sale #222
- Significant Exploration Drilling Program: 2012-2015
- Industry leading Portfolio in the Lower Tertiary Trend

Key Messages

- 
- A large offshore oil rig, likely a Transocean vessel, is shown at sea. The rig is illuminated with yellow lights, and the name "Transocean" is visible on a structure. The background shows a clear blue sky and the ocean.
- **Significant focus on Operational Excellence, Planning, and Partnering**
 - **Unprecedented level of Chevron activity in deepwater Gulf of Mexico**
 - **Major Capital Projects on track to deliver next “step-up” in production and reserves in 2015**
 - **Significant commitment on developing and deploying new technologies**

Q & A