### **AV**The Gulf of Mexico Advantage\*

### E.A. Levendecker<sup>1</sup>

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Posted May 12, 2014

### **Key Points**

- Geologic Advantage
  - Prolific Deepwater Basin
  - Great Petroleum System
    - World Class Source Rock
      - Restricted basin
      - Paleoclimate
      - Oil prone
    - Thick Tertiary Section
      - · Rapid deposition
      - Excellent reservoirs
      - Multiple objectives
    - Salt Tectonics
      - Structural complexity
      - Migration pathways
      - Traps & seals
- Commercial Advantage
  - High-Margin Oil
  - Fiscal System

<sup>\*</sup>Adapted from oral presentation at Discovery Thinking Forum, AAPG Annual Convention and Exhibition, Houston, Texas, April 6-9, 2014

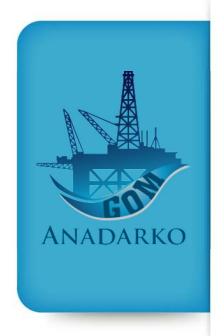
<sup>\*\*</sup>AAPG©2014 Serial rights given by author. For all other rights contact author directly.

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- Access
- Competitive Advantage
  - Extensive Infrastructure
  - Comprehensive Service Sector
  - Skilled Workforce

### **Discovery Thoughts**

- Keys to Success
- Land is the Basis for all Wealth Build Running Room
- Oily Basins...Keep Giving
- Petroleum Systems...All Elements are Critical
- Drill Good Prospects Near Good Infrastructure
- Drill Good Geology not Good Seismic Images
- Unknown Unknowns
- The Absence of Evidence is not the Evidence of Absence





# The Gulf of Mexico Advantage

Discovery Thinking Forum - AAPG Convention

April 2014

# Introduction

# Acknowledgements

- AAPG
- Management
- The Anadarko Team

# Exploration at Anadarko

- Insight, themes, concepts
- The Gulf of Mexico
- Discovery thoughts



# **Cautionary Language**

### **Regarding Forward-Looking Statements and Other Matters**

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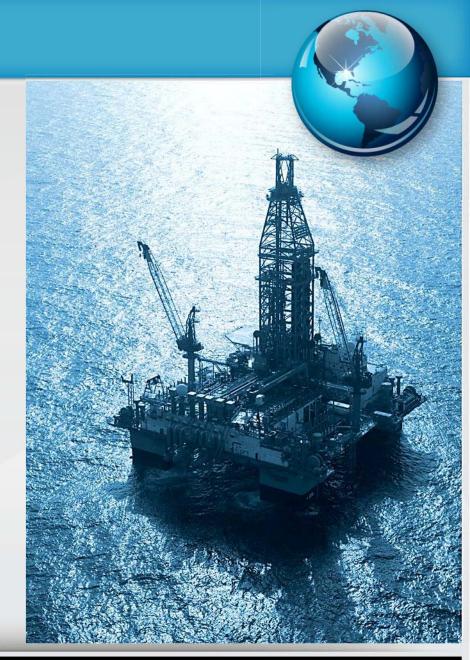
# **Driving Exploration Value Creation**

- Identify and Capture Opportunities
- Create Value Through Commercial Discoveries
- Provide Optionality to Realize and Enhance Value



# **Keys to Success**

- Experienced Oil Finders
- Proven Strategy
- Leverage Success
- Multi-Year Balanced Program
- Value Acceleration



# It All Starts with People

\*Profitable exploration requires wise investment of risk capital in people's ideas'

\*1992 Marlan W. Downey AAPG



# **Core Values**

- Integrity and Trust
  - Servant Leadership
    - People and Passion



Open Communication









# **Proven Exploration Strategy**



# Growth Optionality Materiality

### Consistent Approach

- Focus on Strengths
- Risk Assessment and Mitigation
- Commercial Approach
- Early Low-Cost Entry
- Optimal Working Interest
- Consistent Economic Evaluation
- · Portfolio-Based Decisions
- Focused on Value Creation

### Commitment

- Consistent Funding
- All Levels Understand Exploration Risk/Rewards
- Future Focused
- · Focused on Value Creation

### Culture

- Talented Oil Finders
- Learning Organization
- Science Based Approach
- No Bureaucracy/Quick Decisions
- Stakeholder Alignment
- Focused on Value Creation



# **Focus on Strengths**

### **Execution**

- Prospect Generation
- Drilling & Operations
- Project Management

# Risk Management

- Geotechnical
- Commercial
- Portfolio Diversity



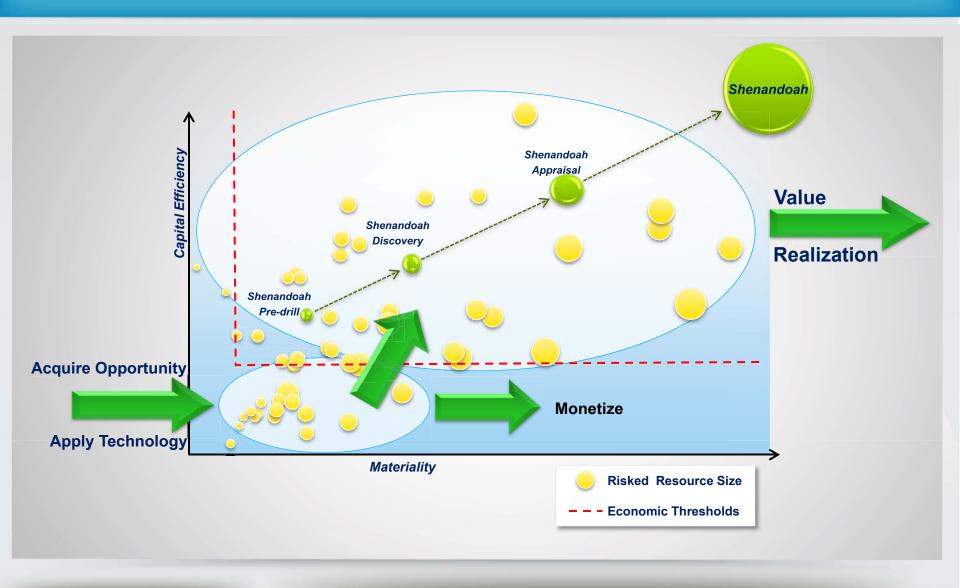
### **Technical Evaluation**

- Science Based Approach
- Technology & Data
- Creativity & Innovation

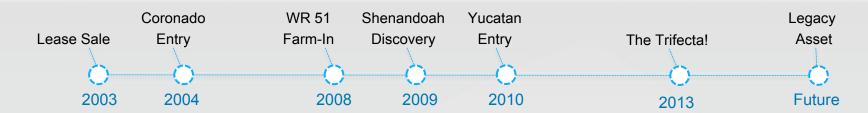
# **Business Continuity**

- Long-Term Presence
- Track Record
- Learning Organization

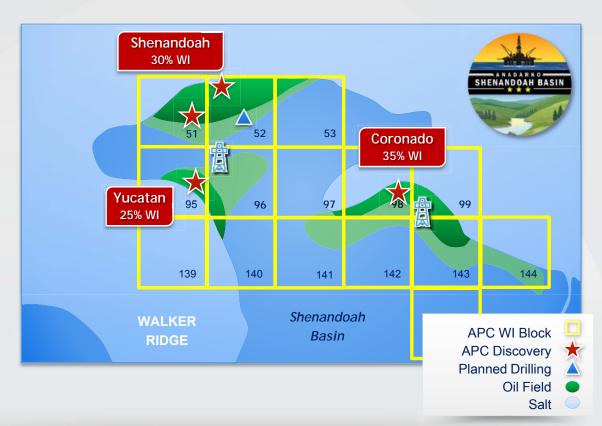
# **Multi-Year Portfolio in Motion**



# **Shenandoah Basin: Potential Giant Resource**



- Significant Value Creation
- Excellent Transmissibility
  - Permeability
  - Thickness
  - Fluid Viscosity
- Strategic Position in Basin
- 2014 Planned Activity
  - Drill 3 4 Appraisal Wells



# The Gulf of Mexico Advantage

# Geologic Advantage

- Prolific Deepwater Basin
- World-Class Reservoirs
- Great Petroleum System

# Commercial Advantage

- High-margin Oil
- Fiscal system
- Access

# Competitive Advantage

- Extensive infrastructure
- Comprehensive service sector
- Skilled workforce



# The Basin that Keeps on Giving

### World Class Source Rock

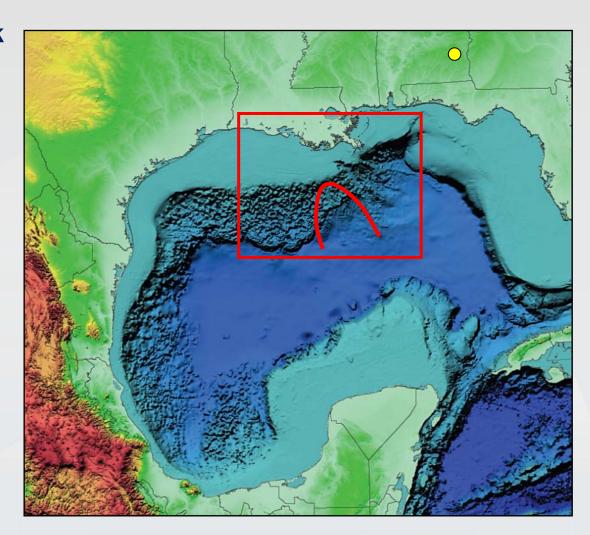
- Restricted basin
- Paleoclimate
- Oil prone

### Thick Tertiary Section

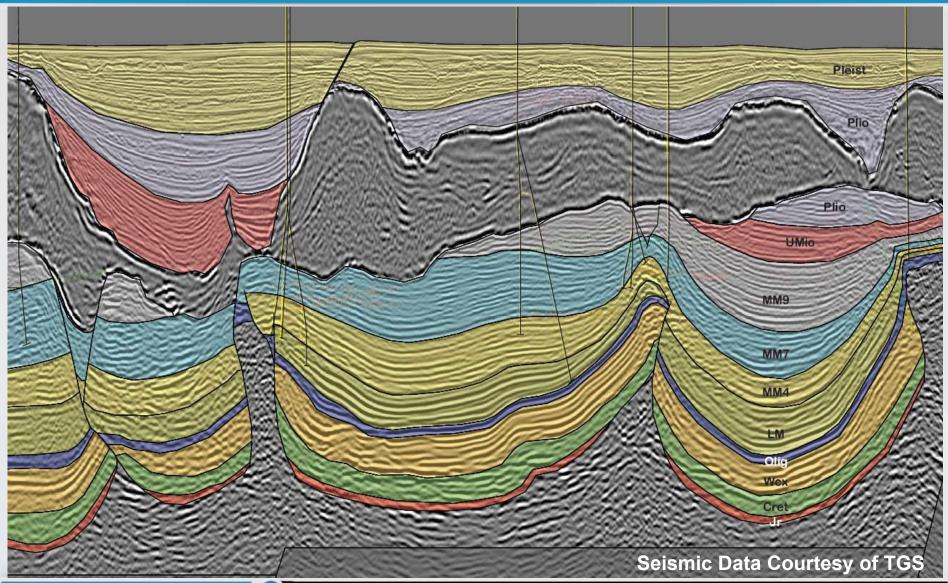
- Rapid deposition
- Excellent reservoirs
- Multiple objectives

### Salt Tectonics

- Structural complexity
- Migration pathways
- Traps & seals



# The Basin that Keeps on Giving



# **Commercial Leverage**

### Premium Product

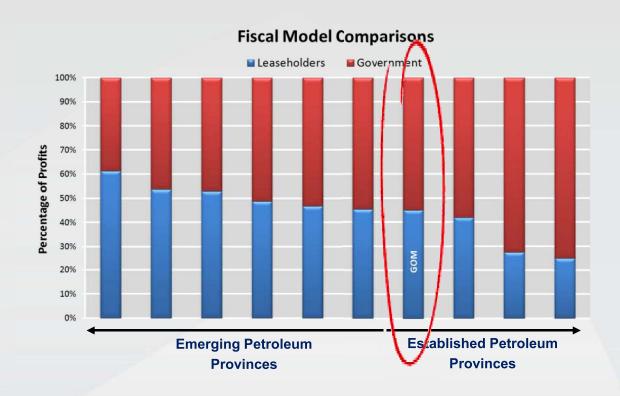
- Oil
- LLS pricing
- Proximity to market

# Fiscal System

- Stable
- Predictable
- Competitive

### Access to Resources

- Competitive lease sales
- Abundant opportunities
- Active secondary market



# **Infrastructure Advantage**



Photo courtesy of WesternGeco



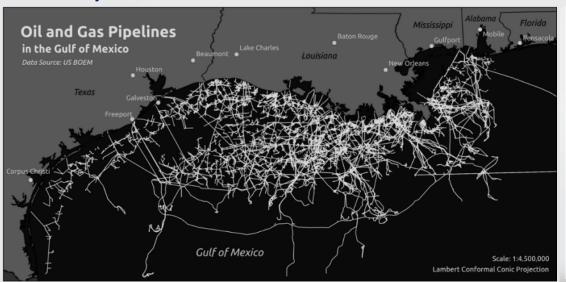
**Photo courtesy of Noble** 



# Infrastructure Advantage



Photo courtesy of Edison Chouest





### **Gulf Coast Oil Refineries**

Data Source: EIA

# **Discovery Thoughts...**

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